On obscure diseases of the brain, and disorders of the mind : their incipient symptoms, pathology, diagnosis, treatment and prophylaxis.

Contributors

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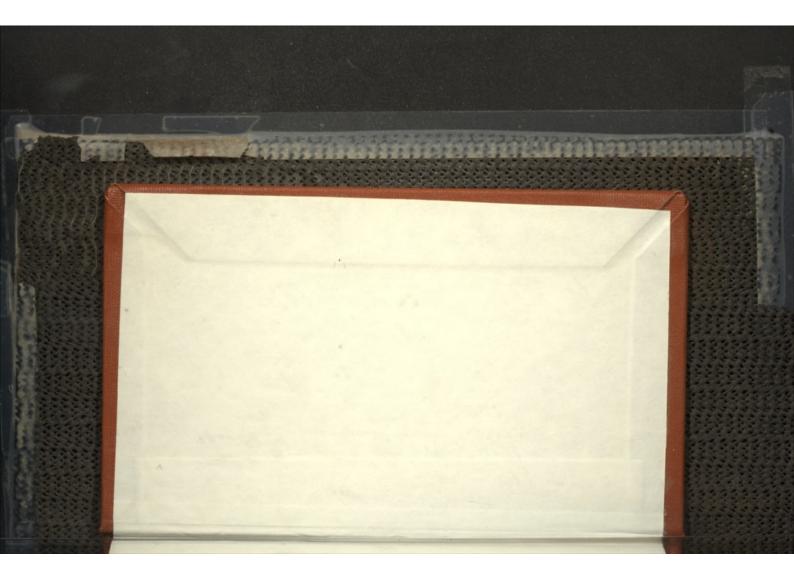
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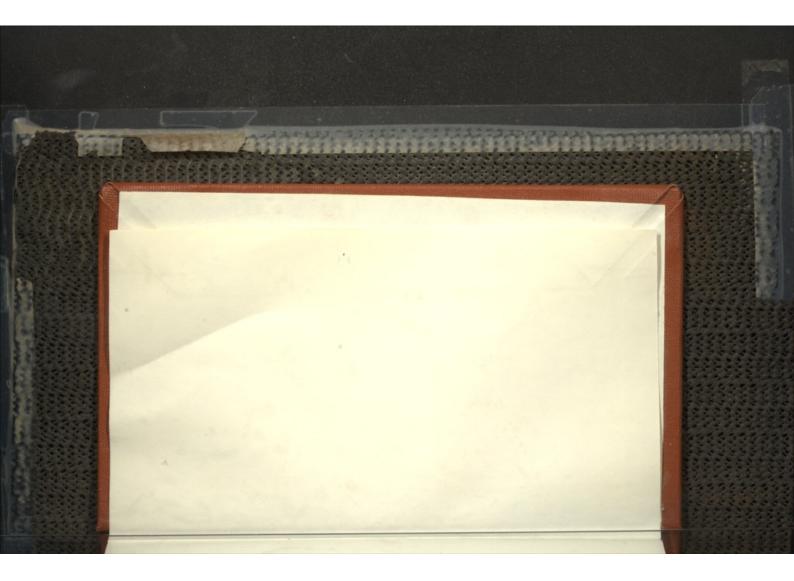


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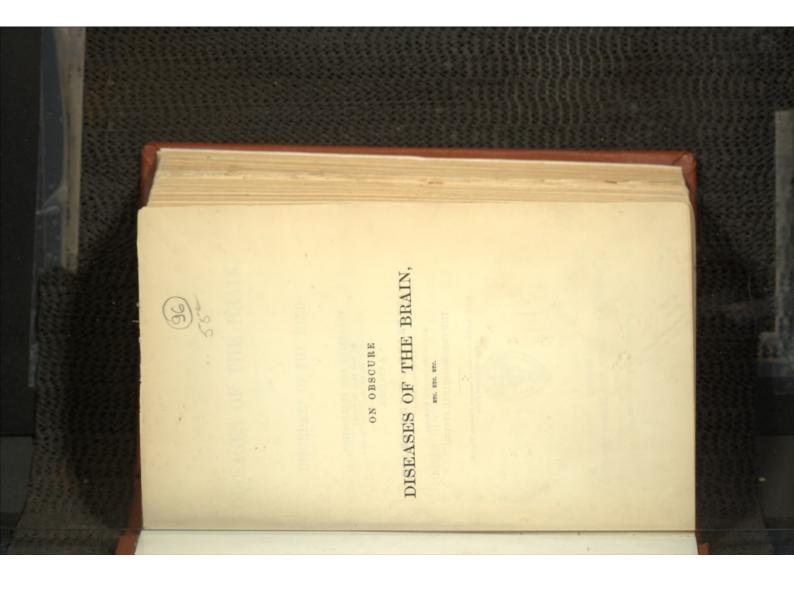


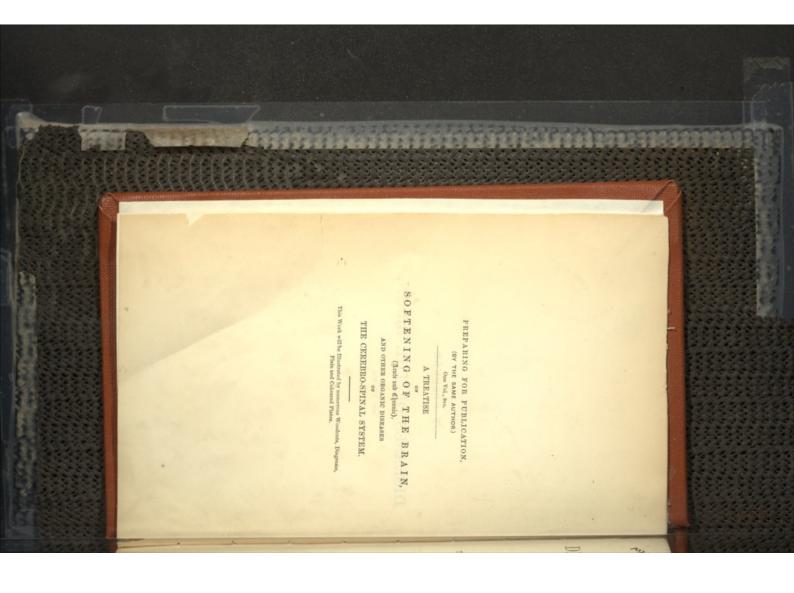


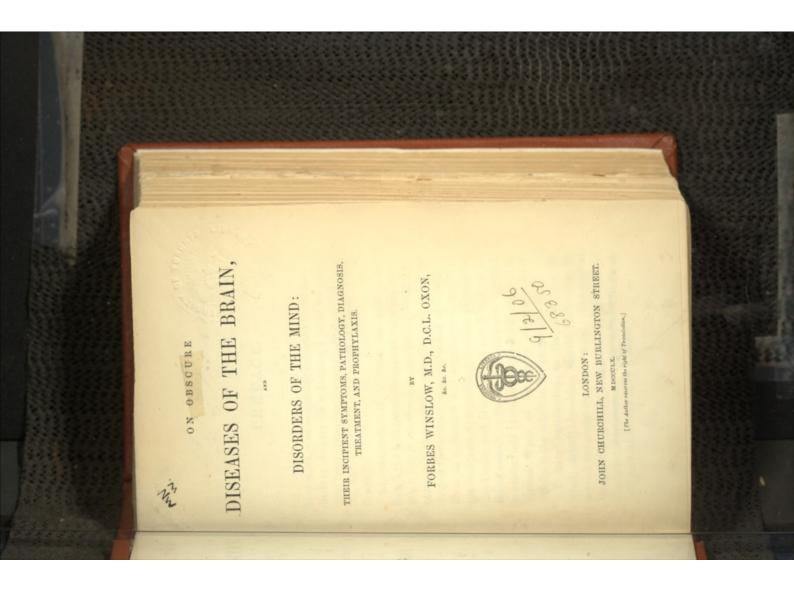














PREFACE.

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This work was originally intended as an introductory chapter to a treatise I have for some time been preparing for publication on "Softening, and other types of Organic Disease of the Brain."

In consequence of the great and unexpected length to which the contemplated prefatory essay extended, it occurred to me that it would be more consistent with a scientific analysis of the subject to continue my researches, and publish them in a distinct and separate volume, " On the Incipient Symptoms of Obscure Diseases of the Brain, and Disorders of the Mind," as an *avant courier*, or introduction to the work which is exclusively to relate to the specific and individual types of encephalic disease. Such briefly is the origin of the present treatise.

I have anticipated in the first chapter what, strictly speaking, should have been reserved for prefatory observation. The general design of this work, as well as my estimate of the great importance of the subject analysed, will be found there fully detailed.

PREPACE.

VI

The reader will perceive that I have endeavoured to confine myself to a *resumé* of the more prominent incipient symptoms of the various forms of cerebral and mental disorder. I could not enter more minutely into an investigation of these subjects without trenching upon *matériel* which will constitute the bases of two succeeding works : *viz.*, one on Organic Affections of the Brain, and the second on Disorders of the Intelligence, Cerebro-Psychical in their nature.

145

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In justice to the reader as well as to myself, I make this explanation, as an apology for the somewhat cursory manner in which I have been obliged to treat the more practical portions of my subject. I refer particularly to those sections of the treatise that relate to the medical treatment of incipient paralysis, apoplexy, softening, as well as other forms of organic cerebral disease and functional mental disorder. It was impossible for me, without greatly en-

It was impossible for me, without greatly enlarging this already too bulky volume, to enter, except in general terms, upon the consideration of the subject of therapeutics. If I had attempted to do otherwise, it would have been necessary for me to have excluded from the work much salient, illustrative, and relevant matter having a direct bearing upon the class of morbid phenomena under analytical investigation.

PREFACE.

VII

I am bound to confess that I fully and sensitively appreciate the many shortcomings and defects to be found in the following pages. It is not my duty, however, to point them out to the reader. His critical eye will no doubt soon detect all sins of omission and commission, and will, considering the vast extent of ground over which I have had to travel, make every

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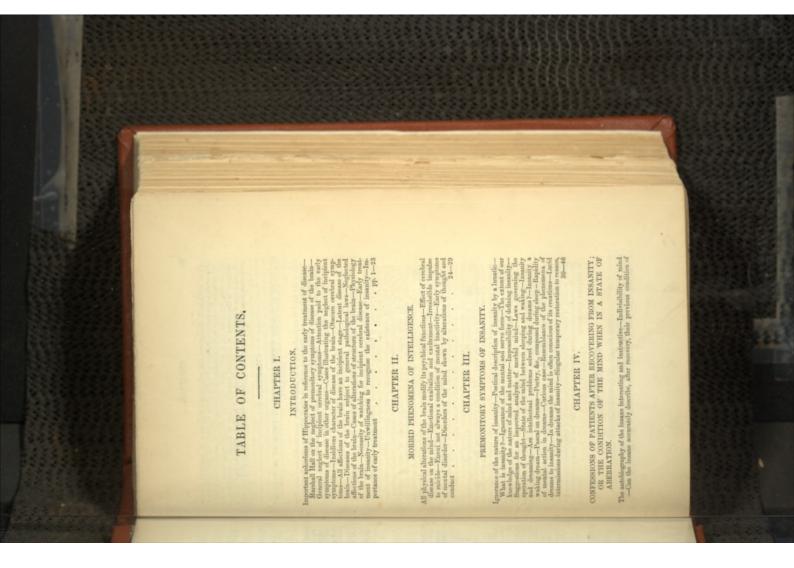
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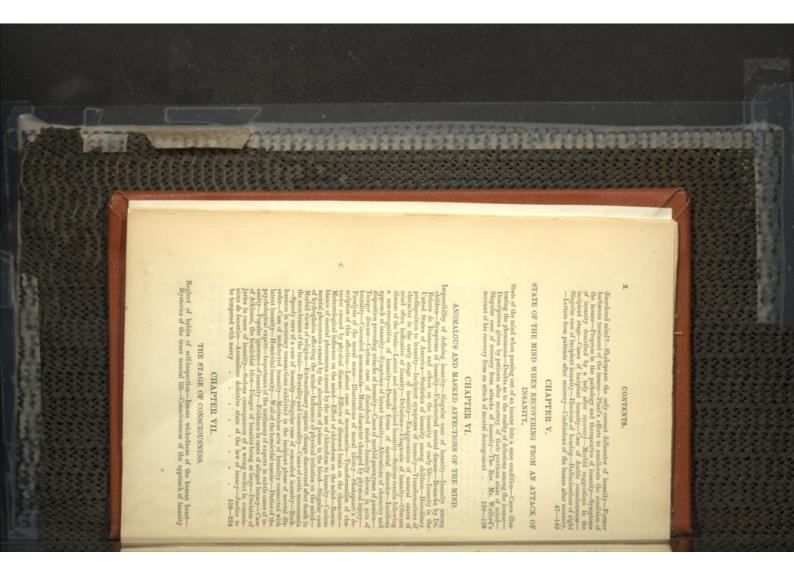
allowance for them. I sincerely trust that I shall not be exposing myself to the imputation of egotism, if I were to repeat what Goldsmith said in his preface to the "Vicar of Wakefield," — "There are an hundred faults in this thing, and an hundred hundred faults in this thing, and an hundred hundred least. A book may be amusing But it is needless. A book may be dull withwith numerous errors, or it may be dull without a single absurdity."

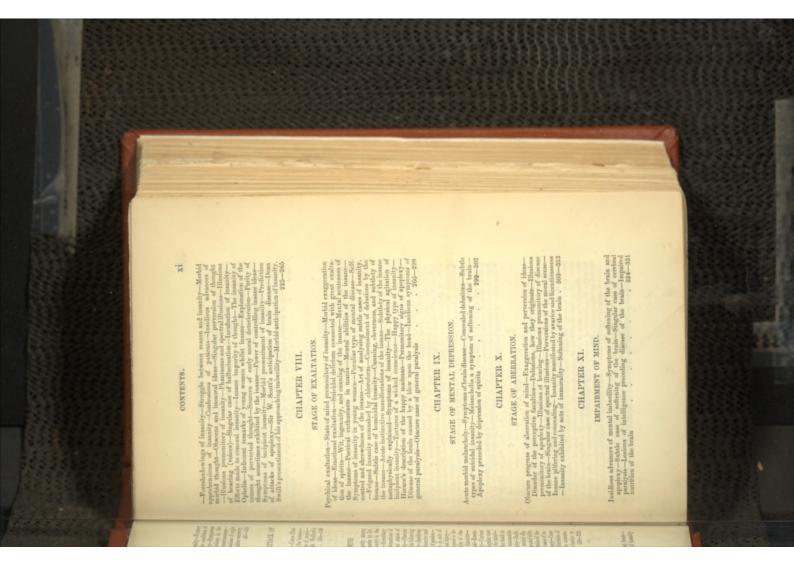
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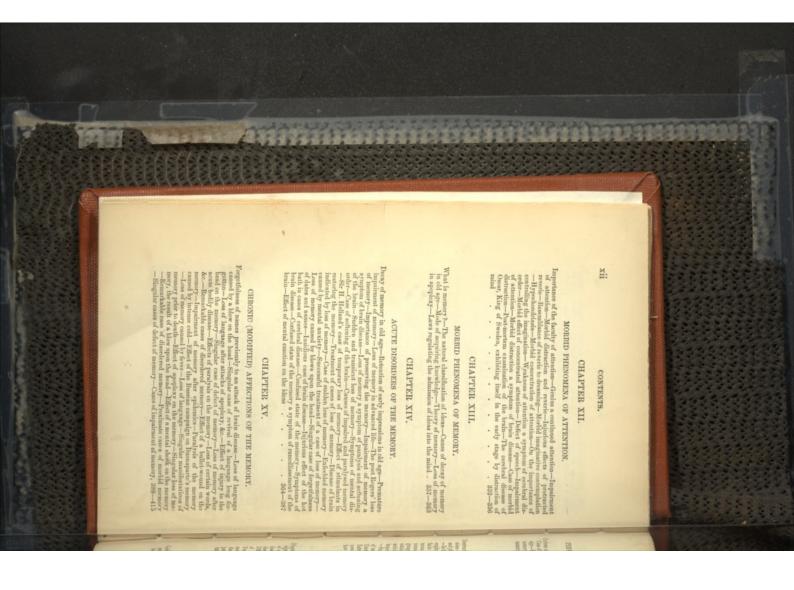
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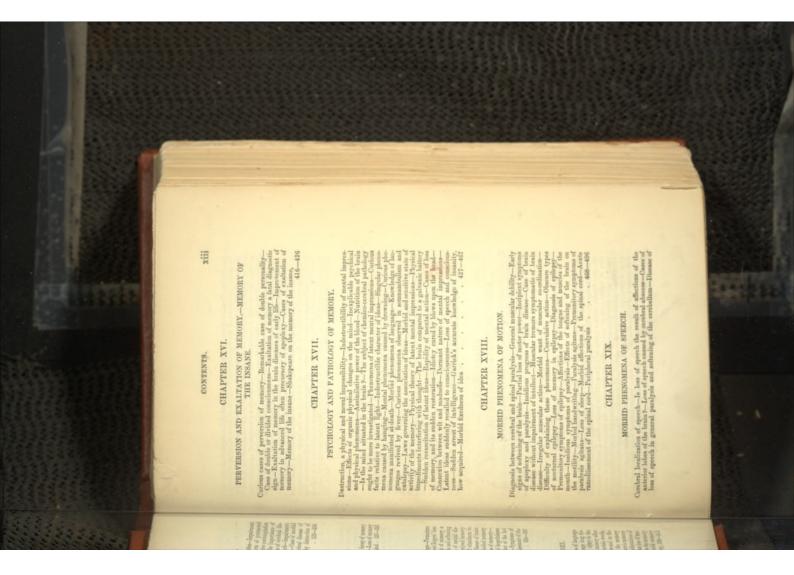


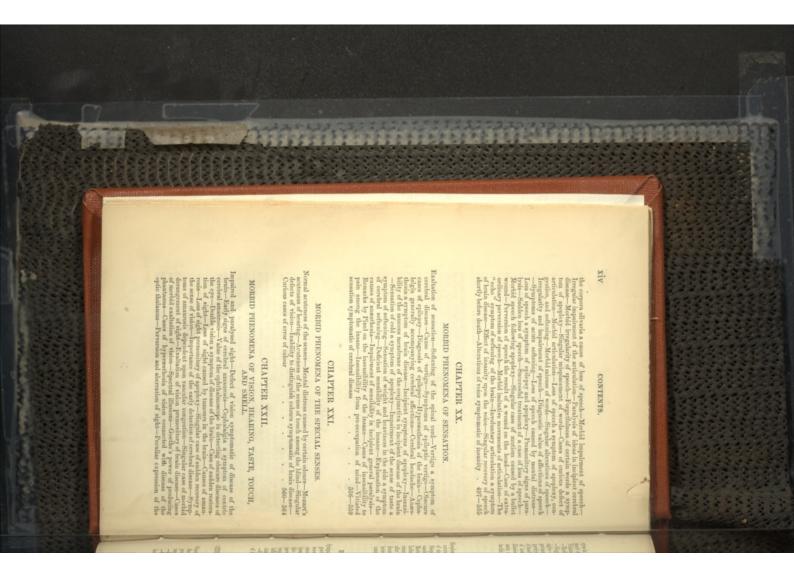


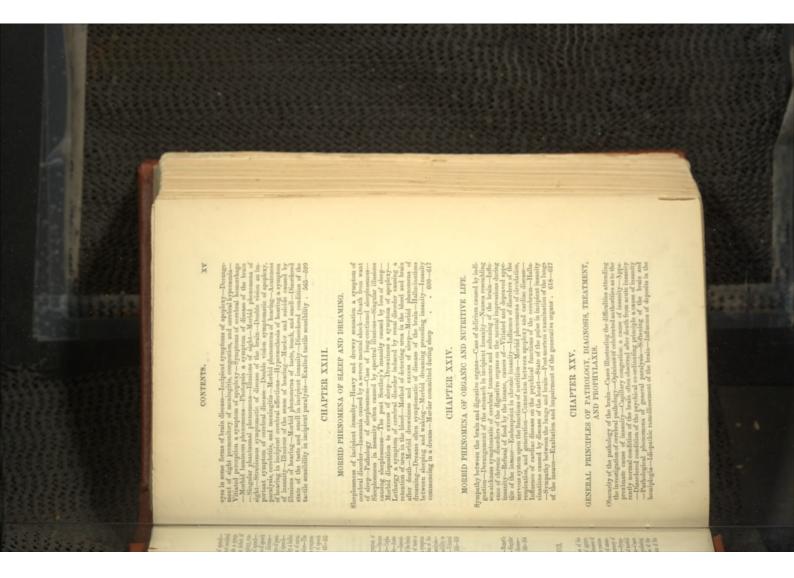


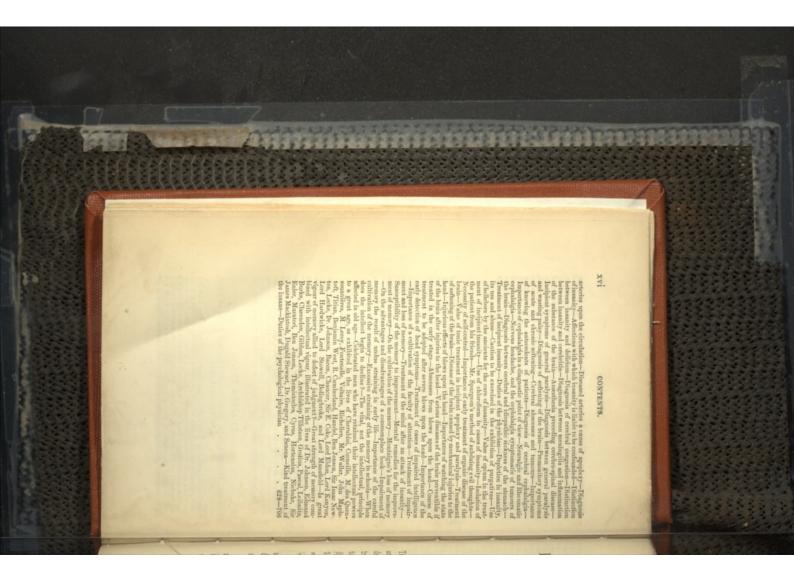












OBSCURE DISEASES OF THE BRAIN

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MIND.

CHAPTER I.

Introduction.

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THERE is not in the whole range of medical literature, ancient or modern, a passage that transcends in grandeur of conception, majesty of diction, and sublimity of truth, the exordium with which *Hippocrates* introduces to the reader his celebrated aphorisms: 1. O floc Barxie (Life is short); 2. 'H & riven pasch (Art long); 3. 'O & scapoc diffection; 1. 'H & riven equalspin (Experience fallacious); 5. 'H & riven yaburi (Judyment difficult).

"O & kupóc öçöc." How important it is, to fully appreciate, when considering the treatment of the diseases of all vital structures, the practical significance

of this great medical apophthegm. " *The occasion fleeting* /" Let this profoundly wise axiom ever be present to the mind, and engraven in imperishable materials, and in indestructible characters,

upon the memory. It these "fleeting" moments of inestimable, incalculable, and precious value, are neglected or triffed with; if serious morbid states of brain are overlooked, or, if serious morbid states of brain are overlooked, or, if

INTRODUCTION

25

recognised, not immediately subjected to proper treatment, chronic, irreparable, and incurable organic alterations in its structure may be the result, succeeded, when it is too late to remedy the mischief, by the bitterness of self-accusation, or the unceasing lamentations and regrets of those who ought to have been the first to observe and attack the fatal disease !

How often is the physician called upon to witness the melancholy consequences, to health of body and mind, life and reason, of a neglect of well-marked premonitory symptoms of cerebral disease 1. It is frequently his painful duty to hear both relatives and friends reproach themselves, when the time for action has, alas! passed away, for their criminal negligence in wilfully closing their eyes to the long-existing evidence of positive disease of the brain.

The late Dr. Marshall Hall, when addressing himself to the consideration of head affections, remarks—" A useful work might be written on the subject of insidious and impending diseases, with the view of making their first or antecedent symptoms known to the public, and of thus suggesting the care and means necessary for their prevention."*

No one was better qualified, by habits of thought, educational attainments, practical sagacity, and enlarged experience, to form a right estimate of the importance of an accurate acquaintance with the incipient symptoms of the diseases of the brain, and nervous system, than this justly distinguished and accomplished physician. It was his painful province, in the course of a long and brilliant eaver to witness the sol conservation of

* on Diagnosis," sect iv. "Diseases of the Head." Re Marchall Halt

"On Diagnosis," sect. iv. "Diseases of the Head." By Marshall Hall M.D., F.R.S. 1817.

NEGLECT OF INCIPIENT SYMPTOMS.

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relief of which his great skill and extensive knowledge was so often called into requisition.

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This able physiologist fully appreciated, that many of the fatal cases of brain disease with which he had to grapple formed so many sad illustrations of the neglect

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of premonitory symptoms. Upon investigating the history of the diseases of the encephalon, how frequently does the medical man discover that positive and unequivocal symptoms of brain affection have existed, and perhaps, during the early stage, been observed for months, and in some cases for years, without exciting any apprehension on the part of the patient, his family, or his friends!

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In the majority of these instances, clearly manifested head symptoms were entirely overlooked, and, if noticed, no right estimation was made of their value. My attention has been called to cases, in which serious mischief to the delicate structure of the brain and its investing membranes, has been thus allowed by the patient's friends to proceed uninterruptedly for years, no treatment being adopted to arrest the progress of the fatal disorganization!

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The brain, the most important, and exquisitely organized, of all the structures of the human body,

" The Dome of Thought ; the Palace of the Soul,"

the material instrument of the intelligence, the centre of sensation, the source of volition, is permitted to be in a state of positive disorder, in fact disease, without exciting anyattention, until some frightfully urgent, alarming, and dangerous symptoms have been manifested, and then, and not till then, has the actual extent of the mischef been appreciated, the condition of the patient recognised, and advice obtained for his relief ja g

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INTRODUCTION.

Other deviations from organic conditions do not, as a general rule, meet with similar systematic neglect. In affections of the stomach, liver, bowels, lungs, and skin, &c., the first symptoms of approaching disease, or departure from a healthy condition of those organs, are observed, and the patient, without loss of time, seeks the aid of his physician.

28

Under such circumstances, he does not hesitate to place himself under curative treatment; he feels no delicacy in describing his physical sensations; is not ashamed at being thought ill, and readily adopts the treatment suggested for his recovery. But when the brain is affected, and the patient is troubled with persistent headache, associated with some slight derangement of the intelligence, disorder of the sensibility, illusions of the senses, depression of spirits, loss of mental power, or modification of motility, his condition is, in many cases, entirely overlooked, or studiously ignored, as if such abnormal symptoms were signs of robust health, instead of being, as they undoubtedly are, indications of cerebral disorder requiring the most grave and serious attention, prompt, energetic, and skilful treatment!

It will be well to consider, briefly, the cause of the neglect to which the brain is subjected when under the influence of disease. It is a notion too commonly entertained, that many fatal cerebral diseases are *suddesly* developed affections, presenting no evidence of any antecedent encephalic organic change, and unaccompanied by a premonitory stage, or incipient symptoms.

It is indeed natural that such an idea should be entertained, even by educated professional men, whose attention has not been specially directed to a study of this class of disease, or whose opportunities of watching the

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ILLUSTRATIVE CASES.

progress of such affections have been limited, and circumscribed.

A man, apparently in vigorous health, mixing daily with his family, going to his counting-house, engaging in the active pursuits of commerce, or occupying his attention in professional or literary duties, whilst stepping into his carriage, or when entertaining his friends at the festive board, falls down either at his door in a state of unconsciousness, or quietly bows his head on his plate at the dinner table and dies, surrounded by his family, in a fit of cerebral hemorrhage ¹

A midwife, whilst sitting by the bed of a patient whom she is attending, suddenly exclaims, "I am gone," and immediately falls down in a state of apoplectic coma!

A gentleman during dinner, complains suddenly of A gentleman during dinner, complains suddenly of giddiness and sickness. He retires to another room, where he is found a minute afterwards supporting himself by a bed-post, confused and pale. Being put to bed, he soon becomes comatose, and dies.

A person in good health, after using rather violent A person in good health, after using rather violent exercise in the forenoon, returns home to dinner, and exercise in the forenon, returns home to dinner, and up, pushes his chair backwards with violence, exclaiming, "Oh, my head !" Immediately afterwards he falls ing, "Oh, my head !" Immediately afterwards he falls on the floor in a state of apoplectic insensibility.

A literary man, whilst speaking at a public meeting, is suddenly seized with an uncary sensation in his head. He says it feels "as if it would burst," "as if the brain was too big for the skull." He returns home, becomes apoplectic, and dies on the evening of that day. A clergyman, whilst preaching, is observed to stop, A clergyman, whilst preaching, is observed to stop, and put his hand to his head. He then attempts to

A clergyman, whits prenemus, is then attempts to and put his hand to his head. He then attempts to proceed with his sermon, but talks indistinctly, and has evidently lost his recollection. He keeps himself from

INTRODUCTION.

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failing by grasping the side of the pulpit. He is im-mediately removed from the church, and is found cold, pale, speechless, and paralytic. He dies in a few days after the attack.*

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her brother in Rotten Row. Whilst engaged in active slumber, and begins screaming, "Oh, my head! my head! my head!" Before his parents could be sumwithout being restored to a state of consciousness !+ moned into the room, he becomes insensible, and dies denly awakes from an apparent state of profound ill health, or of any uneasy head symptoms, sud-A lady, apparently in excellent health, is riding with A young lad who had not previously complained of

tion to take food. He has no headache, and can speak arrival home, he complains of nausea, and an indisposiof these symptoms, but they again pass away. On his during a three hours' journey, he has a slight recurrence and defective power of articulation. He, however, takes and who had been for many years engaged in elec-tioneering contests, is in the act of getting into a railway his seat apparently restored to his usual health. Once, carriage. He complains of vertigo, mental confusion, and dies on the following day ! culate. She is carried home, soon becomes unconscious, A gentleman who had formerly been in Parliament,

minutes afterwards it is found that she could not artigiddiness and sickness, and becomes deadly pale. A few and cheerful conversation, she suddenly complains of

• After death there was found in this case extensive extravanation of blood a the left restrictly, which had passed partly into the right, by lacention of he septum. All the arteries of the brain were extensively ossified,—

ILLUSTRATIVE CASES.

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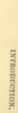
clearly and distinctly. As he resides some distance from a medical man, and as the symptoms are not such as to create any grave apprehension as to his state of health, nothing is done medically for the case. The gentleman, after partaking of a light dinner, retires in a cheerful state of mind to bed. About two o'clock in the morning, his wife is suddenly roused from sleep by her husband's loud stertorous breathing. She finds him in a state of profound coma. He dies before the surgeon, who is immediately summoned, could arrive. The brain exhibits symptoms, of what was assumed to be, organic disease of long existence.

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A medical gentleman of known reputation, and great personal worth, having been to one of her Majesty's levees, visits on the evening of that day the home of a friend in the environs of town. He appears, during dinner and afterwards, in excellent health and spirits. After playing a rubber of whist, he retires, with his wife, to bed, complaining only of general lassitude, but wife, to bed, complaining only of general lassitude, but exhibiting no other sign of bodily indisposition. In the endlele of the night he is found by his wife in a state of middle of the night he is found by his wife in a state of apoplectic coma. In the attempt made by her to place apoplectic coma. In the attempt made by her to place

expires! The history of these sad cases is carefully investigated, without, it is alleged, affording satisfactory evidence of any decided precursory symptoms, that would have justified the suspicion of the presence of any latent and dormant mischief within the head. It is possible and dormant mischief within the head. It is possible there may have been headache, defective articulation, dimness and loss of vision, giddiness, cerebral lassitude, and evanescent attacks of mental depression and conand evanescent attacks of mental depression and confusion, but of so trivial and minportant a character, as fusion, but of so trivial and minportant a character, as fusion, but of so trivial and minportant a character, as fusion, but of so trivial and minportant a character, as fusion, but of so trivial and minportant a character, as fusion is to awaken apprehension, or excite attention.

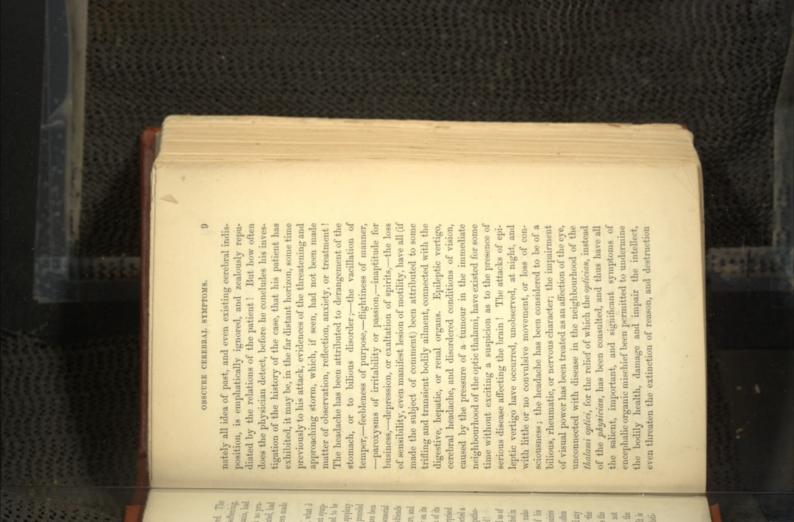
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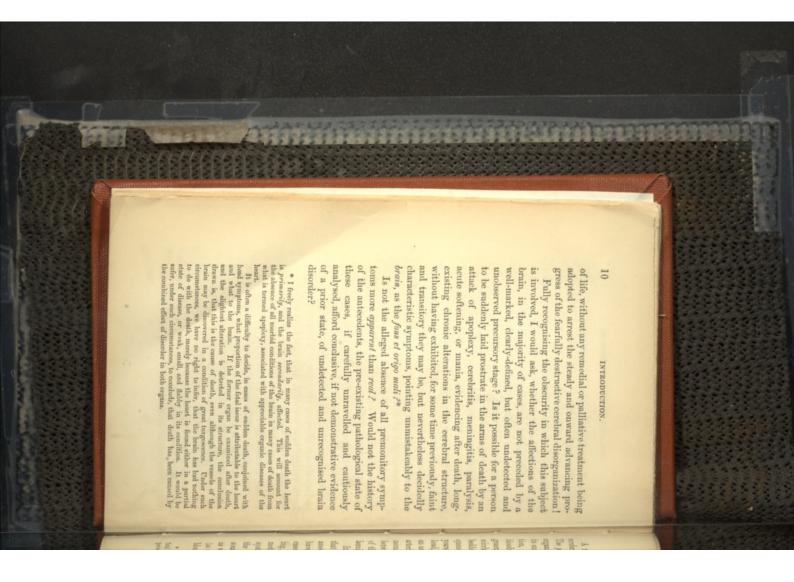
appreciable precursory stage could be discovered. The attack, whether it be one of apoplexy, acute softening, paralysis, epilepsy, meningitis, cerebritis, or mania, had all the characteristics of a *sudden* seizure, which no prudence could have anticipated or foresight prevented, had the patient's state of brain and general health been made the subject of careful and anxious analysis.

The occasionally happens, that in some cases, what à priori would be considered, as the most important symptoms of serious brain disorder, are represented to be altogether absent. For example : attacks of apoplexy and paralysis are alleged to occur without being preceded by any observable cerebral symptoms! There have been no headache, alienation of mind, lesion of the sensorial or motor power, to warn the unhappy patient or histriends of the approach of the enemy. The fatal, obscure, and insidious disease has crept quietly and stealthily on its victim, giving no sign of its advent, no indication of its advance, non oncice of its presence, until it has surprised the sentinels, boldly seized upon the outposts, effected a breach in, or scaled, the ramparts, and by an act of pathological coup de main, taken possession of the citadel 1. It is generally an object of physician, when consulted in a case of suddenly-developed brain disease, to make

It is generally an object of physiological, as well as of practical importance, for the physician, when consulted in a case of suddenly-developed brain disease, to make himself acquainted with the past condition of his patient. With this view, he institutes diligent inquiries into the invalid's pathological antecedents. To the often repeated interrogatories, "Have there been observed any previously manifested symptoms of disorder of the encephalon and nervous system?" how commonly is the response, "No, none whatever; the patient has not known a day's illness, his brain has never shown the slightest indication of any kind of disorder!" It is singular, in some cases, how pertinaciously and obsti-



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LATENT DISEASE OF THE BRAIN.

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A man dies of what is termed, a sudden attack of The organic change in the structure of the brain, which, from The post mortem examination reveals a state of serious its anatomical character, must have been of long durabloodvessels in the head are found in a state of fatty deears previously. An encysted abscess is detected in the membranes enveloping the encephalon, or dipping down cerebral hemorrhage, or acute softening of the brain. generation, or the seat of atheromatous deposits. A scirrhous tumour of some magnitude is discovered imbedded in the substance of the cerebral mass, the conselead, evidently not of recent origin. There may exist arteries, a considerable thickening, and opacity of the between its sulci, or, an extensive pulpy disorganization of the brain, involving a large portion of one of its quence of an injury inflicted upon the cranium some an aneurismal tumour connected with one of the cerebral tion, and of slow and progressive growth !* hemispheres.

It is not logical, upon à priòri reasoning, to conclude, that such a degree of fatal organic lesion, so serious an amount of positive structural disease of the brain, could have been developing itself for *months*, and, in some cases, for *years*, without impairing, deranging, disturbing, or modifying the recognised and admitted psychical, motorial, and sensorial functions, of the cerebro-spinal system. Has the intelligence in such cases been intact, the volition unenfeebled, the emotional powers in a sound state, the brain free from all symptoms of *physical* as well as *psychical* disturbance, the cerebral circulation (as respects the *quantity*, *quality*, and *momentum* of the blood sent to the brain) proceeding in healthy integrity :

 In mother work will be detailed several remarkable illustrations of fittal disease of the brain, the origin of which could be traced back for long periods, in one case for forty years 1

INTRODUCTION.

12

the sensibility natural, the organs of special sense, viz. : sight, smell, hearing, taste, and touch, in a normal state of activity; the life of relation, as well as the phenomena of nutritive and organic life, free from all signs of morbid derangement?

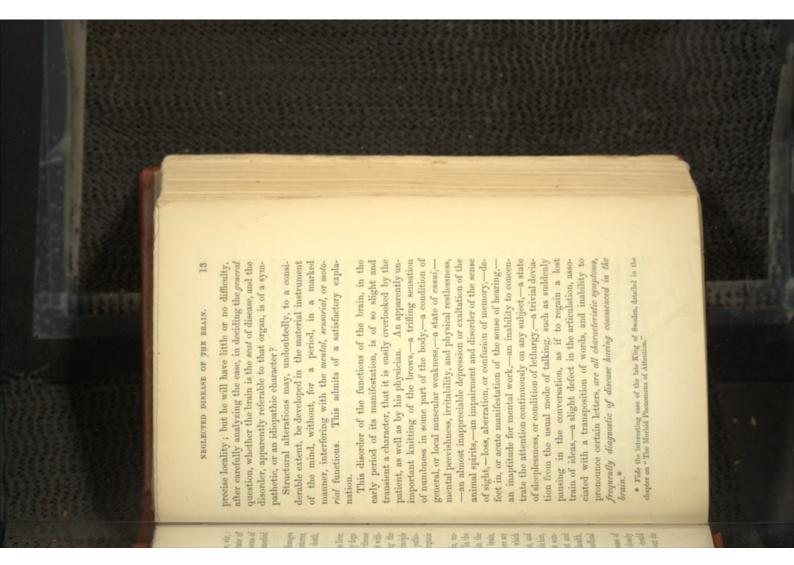
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It is generally admitted, that no structural changes can originate in the heart, lungs, liver, stomach, uterus, kidneys, or bladder, without presenting, prior to death, obvious symptoms of their existence.

Tubercular disease of the lungs, hydatids of the liver, cancer of the uterus, calculus of the bladder, fatty degeneration of the kidneys, hypertrophy, and valvular disease of the heart, cannot (in the majority of cases) exist without manifestly, and often seriously, disturbing the special functions of these organs. Upon what principle should the brain be an exception, to the general pathological and physiological laws, regulating other organic structures?

The affections of the brain have, I maintain, undoubtedly a premonitory, and precursory stage. In the majority of cases, the mischief established within the cranium, disorganizing the delicate tissue of the brain, may, upon careful examination, be detected. There are pathognomonic, and diagnostic precursory signs, which serve to guide the inquiring, diligent, observant, and intelligent eye of the practical physician, and enable him, with some degree of certainty, to discover the first scintillations of brain disease, even when the patient and those about him repudiate all idea of cerebral ill health, advice, or treatment.

I do not affirm, that in all cases of incipient disease of the brain, the physician, even if his attention were closely riveted to the existing pathological condition, could satisfactorily diagnose its exact nature, or point out its



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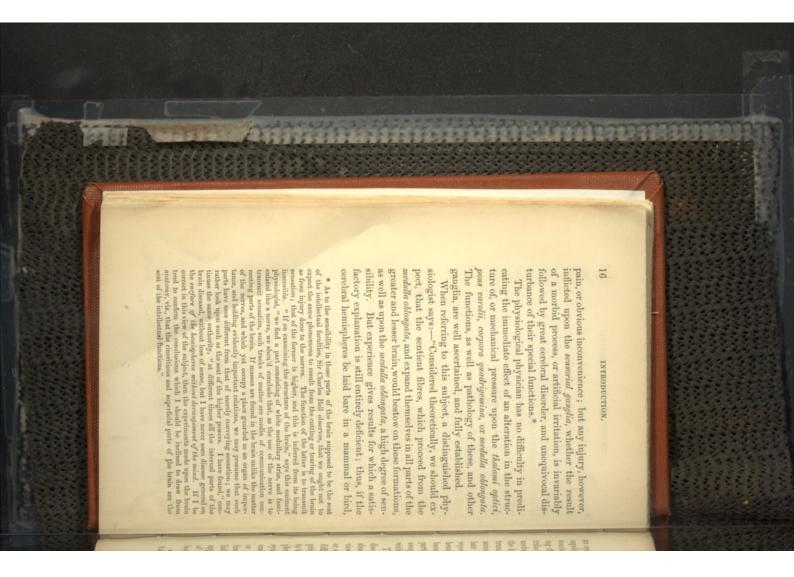
How often do we discover, when the history of a serious case of brain disease is investigated, that years prior to its *apparent* development, the patient has exhibited symptoms of eerobral disorder, somewhat similar to those just detailed, which have entirely escaped observation!

Slight epileptiform seizures,—marked deviations from healthy thought,—obvious impairment of the intelligence,—occasional either *anæsthesia*, or exaltation of sensation in some part of the body,—trifling loss of motor power, and headache of an acute type, have existed for some time previously to the *supposed* commencement of the disease, and yet have entirely escaped observation, and if recognised, been soon forgotten by the patient and his friends.

The alterations of structure so frequently observed after death on the internal table of the skull, *dura maler*, *pia maler*, *butica arachaoidea*, and in the fibrous, as well as in the vesicular structure of the brain, are commonly the results of long-continued irritation, expillary congestion, inflammation, (causing depositions of adventitious matter), *lozic* agents circulating in the blood producing modifications of cerebral mutrition, morbid changes in the coats of the bloodvessels of the brain (fatty degeneration) which have, in many cases, commenced years anteriorly to the attention being awakened to the state of this organ, and before death, has revealed to the state of the pathologist, the sad extent of fatal structural disorganization that has been progressing, almost unrecognised and untreated, within the cranium.

In considering this subject, we are bound not to ignore the fact, that the brain has great powers of accommodation, and is facile to the existence of a considerable degree of organic pressure, if equally diffused, and of structural lesion, provided it be restricted to "the medul-

15 lary matter, and has been of slow and progressive growth; but the smallest appreciable amount of sudden extravasation of blood, the effect of the rupture of one of the minute cerebral vessels on the surface of one of the hemispheres, or on the corpus striatum, thalami optici, pons varolii, or medulla oblongata, is immediately death itself. A considerable extent of pulpy disorganization, or softening of the cerebral structure, a large amount of fluid effused into the ventricles, a great exvesting the encephalon, as well as large collections of encysted pus, in the shape of abscesses, may, however, exist embedded in the substance of the brain, without apparently, for a period, disordering to any marked, sary, for a right appreciation of this subject, that we instrument of the mind, the seat and fountain head of followed either by paralysis, or convulsions, and often by tent of thickening and opacity of the membranes inpalpable, and serious extent, its functions. It is necesshould fully recognise, one of the laws regulating, and sions, made either upon the peripheral extremities of the nerves, remote from the encephalon, or of those conveyed impressions of other organs, is itself not conscious, in the Its sensibility, however, becomes most acute when its structure is diseased. Large portions of the hemispherical ganglia have been removed by the knife, and have even sloughed away, without giving rise to The encephalon, although admitted to be the material sensation, the organ which takes cognizance of impresthrough the special senses directly to the sensorial ganglia, is, when in a state of health, insensible to any kind of stimulus, or even laceration of its substance. The brain, whilst destined to perceive acutely the painful any appreciable disturbance of cerebral phenomena, incipient stage of disease, of the lesions of its own strucgoverning the physiological action of the brain. PHYSIOLOGY OF THE BRAIN. ture. - 三日日日 「「「「」」」 set of the set of all it 自主影会員發送通自 官 ------



PHYSIOLOGY OF THE BRAIN.

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medulla oblongata are accidentally touched. Again, if an operation which in itself in no degree destroys the capability of perceiving pain, we find that they can be touched and even transfixed without in the least disturbing the animal; it only struggles and cries out when the trifacial nerve, the crura cerebri, the optic thalami, or the animal remains as indifferent as if we were cutting a hair or a nail. The same phenomena have also been the hemispheres be removed by slices down to the centrum ovale or to the cavity of the lateral ventricle, the repeatedly observed in man; thus, a portion of the hemisphere projecting through a wound of the skull has been removed without producing any action ; and, again, parts of the substance of the hemisphere have been taken away by the surgeon in removing pus or foreign bodies without the patient's consciousness."*

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body and mind, we can have no difficulty in estimating the This sad neglect of well-marked symptoms of brain disorder may, to a degree, arise from the fact, that the or extravagances of natural conditions of thought. It is principle, that disturbed intelligence has the same relation pleura, and heart. The importance of detecting the earliest appreciating how slight, minute, and infinitesimal a degree of structural change in the nerve vesicle paralyzes both viewed in the light of healthy exaggerations, eccentricities, difficult for some to understand the important physiological cannot, in a practical point of view, be over-estimated or exaggerated. Considering the peculiar and special abnormal mental state of the patient is, in many cases to the brain, that disordered respiration has to the lungs symptoms of approaching, or existing disease of the brain. functions of this organ, and the close sympathy established between the sensorium, and other organic tissues

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* " Labrhuch der Physiologie des Menschen." Band 11. Von Dr. G. Valentin. P. 743.

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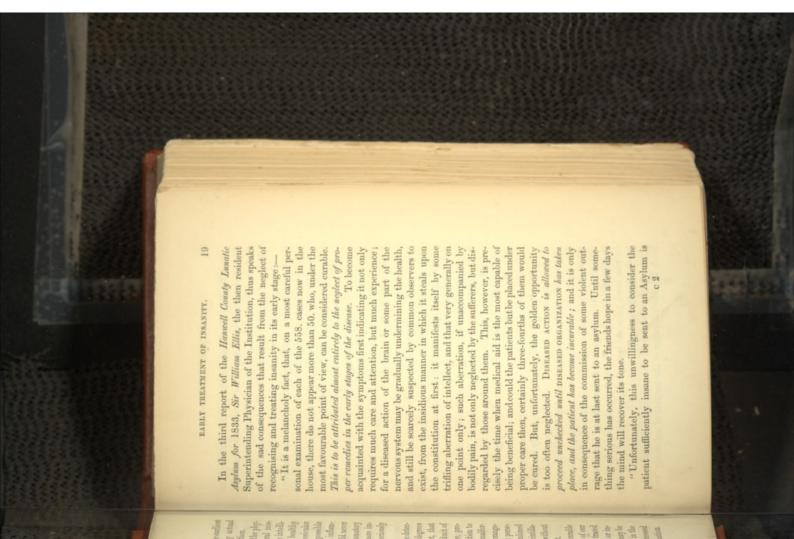
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value which should attach to the detection, at the earliest possible period, of the faintest scintillation of any actual disease existing in the delicate nervous organization.

How cautiously, zealously, and closely should the physician watch for the incipient dawnings of cerebral mischief! Who can guarantee the integrity of the intelligence, normal condition of the sensibility, and healthy action of the motor power, if the delicate vesicular structure is the seat of morbid action? Is it not possible to predicate with certainty the result of neglected inflammation of the periphery of the brain? We should never lose sight of the fact, that no irritation or inflammatory action can exist for any length of time, in the more important tissues, or ganglia of the brain, without seriously periling the reason, and endangering life!

How forcibly do these observations apply to the detection of the incipient symptoms, of all types and degrees of mental disorder! It is a well-established fact, that *averally*, if not *eighly*, per cent. of cases of insurity admit of easy and speedy cure, if treated in the early stage, provided there be no strong constitutional predisposition to cerebral and mental affections, or existing cranial malformation; and even when an hereditary taint exists, derangement of mind generally yields to the steady and persevering administration of therapeutic agents, combined with judicious moral measures, provided, the first scintillations of the malady are fully recognised, and, without loss of time, grappled with, by remedial treatment.

A vast and frightful amount of chronic and incurable insanity exists at this moment, within the precincts of our county and private asylums, which can be clearly traced to the criminal neglect of the disease, in the first or incipient stage. It is at this period when so much may be effected in preventing those destructive alterations in the structure, and membranes of the brain, so often witnessed after death, in those who die of chronic mental alienation.



INTRODUCTION.

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not confined to the friends of the patient. There have been instances of the magistrates themselves, from the kindest motives, refusing to grant warrants for the admission of a patient, even after he has been examined by a medical gentleman, who has given a certificate of his insanity, because when brought before them he has been able to answer certain questions correctly. The consquence is, that from this delay, instead of returning to his friends in a few weeks, which, in all probability, would have been the case if proper medical and moral remedies had at once been applied, he becomes incurable, and remains in the Asylum for life, a burden to the parish. In some instances similar delay has been attended with fatal consequences.

" It is sincerely hoped that the knowledge of these circumstances will induce an early application to be made for the admission of patients; as, even if the neglect does not prove fatal, it is contrary to every principle of justice and humanity that a fellow-creature deranged, perhaps only on one point, should, from the want of the early attention of those whose duty it is to watch over him, linger out his existence separated from all who are dear to him, and condemned, without any crime, to be a prisoner for life."

In the premonitory stage of insanity, the grey portion of the hemispherical ganglia, is frequently in a state of capillary congestion. This pathological condition I may remark, without anticipating what I have to say on the subject of the medical treatment of the ineipient symptoms of cerebral and mental affections, is easily dealt with, and the further progress of the disease arrested by therapeutic measures. A few leeches and cold applications to the head, particularly in young persons of plethoric habit, active purgation, quietude, and freedom from all excitement, physical and mental ; counter-irritation to the head, the administration of the tartrate of antimony, and

IMPORTANCE OF EARLY TREATMENT. 21

the judicious exhibition of opium after the local congestion has been relieved, and the secretions brought into a healthy condition, will, in eighty per cent. of cases, cure the patient, and arrest the further progress of the mischief.

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In a certain type of case, the brain, in the early stages of insanity, is in an *anemic* condition, and the vital and nerve force but feebly manifested. In these cases, our sheet-anchor is undoubtedly opium in its various formule, generous diet, and blood tonics. But I must not anticipate what I have to advise in its proper place for the medical treatment of insanity.

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inguished with precision or treated with any hope of its further progress, from the extensive sympathies of the brain with all parts of the body, so many functions other cases the sensations of the patient are capable of affording us is lost to us too soon in disorders of the another, and present alike a dreary abolition of the powers of animal life. The period therefore is highly "The importance or rather necessity of recognising disorders of the head in their early stage," says Dr. F. Hawkins, " is obvious from the consideration that they In acute cases, the period is brief indeed in which the or chronic, it is only in the early stage that its precise nature admits of being distinguished with accuracy. In become implicated, and so various are the symptoms head, until in their advanced state they all resemble one precious in which these affections admit of being discan then alone be attacked with any chance of success. power of art is available. But whether the case be acute which arise, as to preclude arrangement or classification, and defy the art of diagnosis. The aid which in most advantage."*

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* Croomian Lectures, delivered before the College of Physicians, May, 1820, by Francis Hawkins, M.D.

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decisive remedial measures, when satisfied that the when so much may be effected by judicious medical disorder and brain disease, for it is in this early stage monitory signs, however apparently insignificant, slight, quences. Let us not wilfully close our eyes to the preenemy is at the gates, and has attacked, or, is on the eve tance, the grave necessity for prompt treatment and transient, and fugitive they may appear, of actual mental with the direst results, and with the saddest consepatient within the range of curative measures, is fraught hesitation, delay, or procrastination in bringing the of assaulting, the citadel! Under these circumstances, Let the physician then estimate, in all its vital impor-

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INTRODUCTION.

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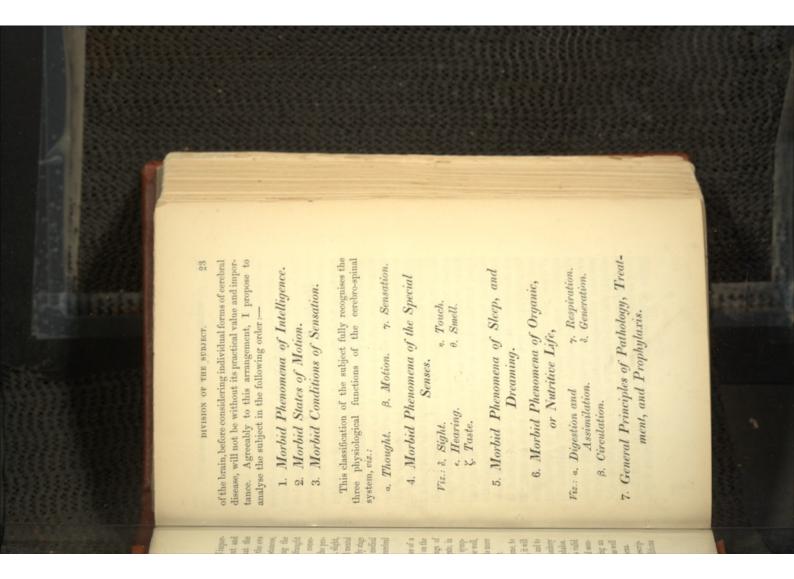
treatment to obstruct the advance of the fatal cerebral

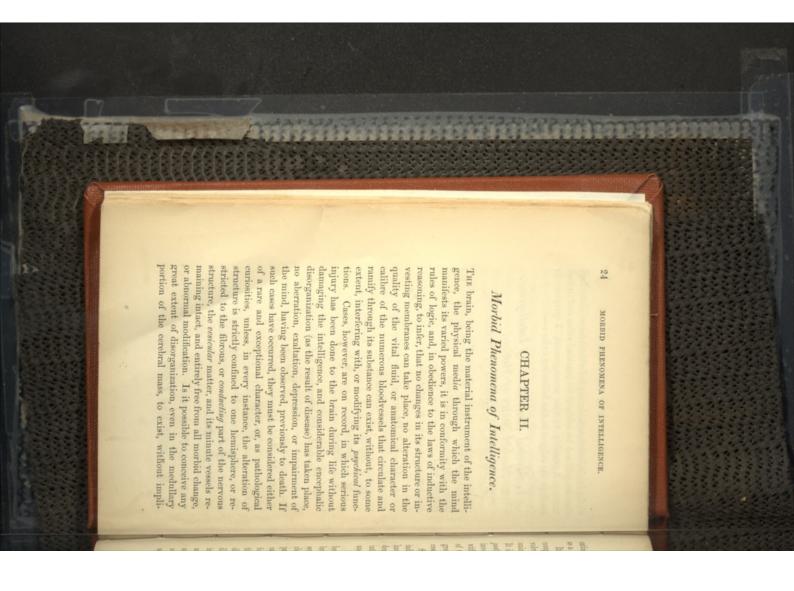
mischief.

than generalize on this wide and expansive subject. detail, the general character of the premonitory symptoms of encephalic, and mental disease. It will be well, however, to premise, that I cannot, in this work, do more incipient cerebral disorder, I propose to investigate, in importance of watching for the first threatenings of precursory stage in all affections of the brain, and on the Having dwelt at some length on the existence of a

as distinctive anatomical, and pathological phenomena. essentially different aggregate group of symptoms, as well mon to several lesions of this organ, each presenting an evidences of incipient brain disorder will be found comthe consideration of specific types of brain disease, it will signs of the various organic affections of the encephalon. point out, as far as practicable, the diagnostic premonitory be my object to enter more elaborately into detail, and to Many of the symptoms to which I shall refer as valid When I address myself, in the succeeding volume, to

tion or resumé of the incipient signs of morbid conditions Nevertheless, I am of opinion, that a general descrip-





EFFECT OF DISEASE OF THE BRAIN ON THE MIND. 25

eating, to some degree, the grey matter of the brain, and, as a consequence, deranging the phenomena of thought? It is not my intention to discuss in this work the complex questions (physiological and metaphysical) involved in an analysis of the psycho-somatic relation or union between mind, and matter, life, and organization. It is sufficient for my purpose to affirm, as a general *postulate*, that all structural lesions of the encephalon, its investing membranes and bloodvessels, are associated with some derangement, modification, or altered action of the *psyckical, molorial*, or sensorial functions of the of the *psyckical*, molorial, or sensorial functions of the commune.

Softening of the brain, abscesses, tumours, atrophy, induration, and other forms of cerebral disorganization, have, it is alleged, been discovered in the brain after death, without having disordered, or even impaired the intelligence during life. But are not these unusual and anomalous cases ?

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existence of encephalic disease, impairment, and even of dinary subjects, is under the influence of no appreciable and normal state. Such apparently healthy psychical, and cerebral manifestations, are quite consistent with the actual latent, and concealed mental aberration. These If the mental and cerebral condition of those who have peen represented to have died of organic disease of the brain, apparently in full possession of their intellectual, sensorial, and motorial powers, had been subjected to a close and rigid analysis, some degree of disorder, or impairment of these functions would, I believe, in many cases have been detected. We are too much disposed to form hasty generalizations in these cases, and to infer, that because the patient talks rationally for a time, on orillusion, hallucination, or aberration, that, therefore, the intellect is unclouded, and the brain in a perfectly sound

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MORBID PHENOMENA OF INTELLIGENCE.

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of examining the subtle phenomena of insanity. employed by experts, practically acquainted with the art gical, and psychical diagnostic tests, were scientifically to their analytical investigation, and, accurate, patholomore frequently detected, if sufficient time were devoted conditions of the brain, and mind, would, I believe, be

STATISTICS STATISTICS

cerebral change, there also will have been disturbed notice. Yet the rule will be found logically true, that wherever there has been found the trace of organic cerebral conditions, but which pass for mental pecumental manifestations," liarities, and in this way the disordered actions escape that there are many oddities which are dependent upon in their external manifestations. It should be recollected their normal condition, although it may not be discovered altered, limited, perverted, or changed in some way from workings of such intellects, they would be found It has been observed, " that could we see the interior

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cipient stage, on careful examination, be detected. state of cerebro-psychical phenomena may, in the inimmediately investing the brain, a disordered, or abnormal established in the vesicular matter, or in the membranes phalon, particularly if the organic change or pressure be I affirm, that in every case of disease of the ence-

the investigation of the first, or psychical section of the subject. Having made these preliminary remarks, I proceed to

The mind may be in a state of morbid-

- 1. Exaltation.
- 2. Depression.
- 3. Aberration.
- 4. Impairment.

their origin, progress, and termination, a variety of These conditions of unhealthy intelligence, exhibit in

EMOTIONAL EXALTATION AND EXCITEMENT. 27

shades and degrees of disturbance, and disease, commensurate with the nature, extent, and position of the cerebral lesion.

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The state of mind, included under the head exaltation, often resembles, in its earlier manifestations, a trifling exuberance, excessive buoyancy, an unnatural elasticity, extravagance, or exhilaration of the spirits. The patient is unusually cheerful, indulges in great volubility and violence of speech, is boisterously loquacious, and manifests phases of hysterical, emotional, and pleasurable *psychical*, as well as *physical* exaltation, rarely considered, in the early stages of diseases of the brain, and alienation of mind, to be symptomatic of morbid *evebral*, or disordered, *mental* conditions.

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" E ai volti troppo alti e repentini Sogliono i precipitii esser vicini."*-TASSO.

This unnatural, and, often *suddenly* developed flow of animal spirits, frequently merges into a state of unhealthy mental exaltation, and morbid cerebral excitement, clearly indicative of organic disease of the brain, irritation, congestion, or inflammation of its investing membranes, unhealthy blood poisoning the encephalic mass, disordered states of nerve nutrition, retained excretions, or, disturbed conditions of the cerebral circu-

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When considering the second division of the subject, viz., that of mental depression, it will be apparent that this phase of mental disorder often ranges, from mere listlessness, slight degrees of depression of spirits, tedium vite (the "atra cura" of Horace), and ennui, to profound conditions of despondency, despuir, and acute melancholia,

lation.

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 Our own illustrious post thus gives expression to the same idea :- " These violent delights have violent ends, And in their triumph die."

MORBID PHENOMENA OF INTELLIGENCE.

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frequently urging its unhappy victim to the commission of suicide.*

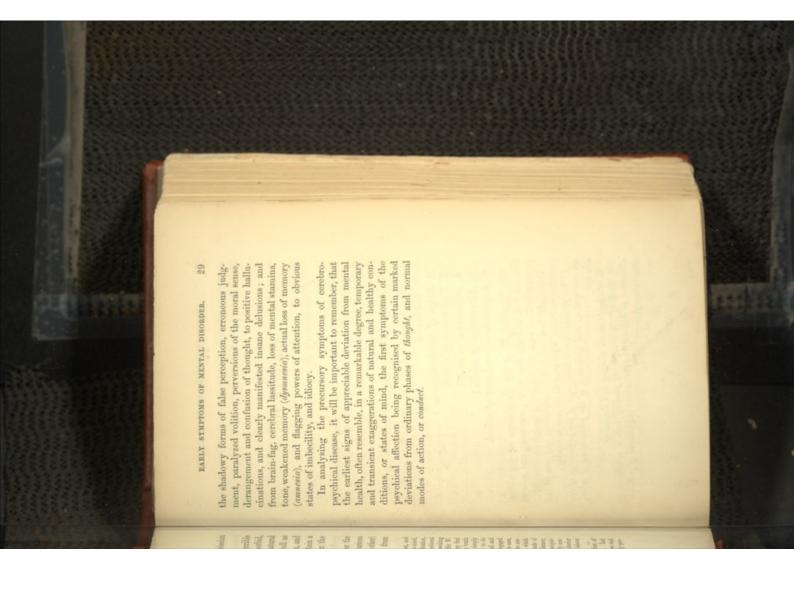
mind, goaded on by disease, to self-destruction. mastery, and exercise a controlling influence over the antagonistic principles of worldly prudence, religion, and morality, that are occasionally happily seen to retain a instinct of love of life, and self-preservation, as well as and often, irresistible impulse to suicide, and the natural struggle occasionally ensues, between an intensely morbid It is in this state of insane thought, that a terrible

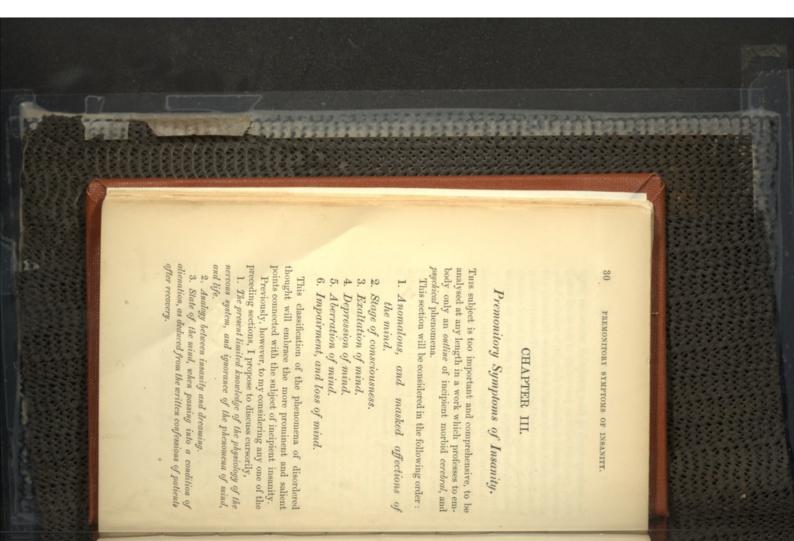
of psychical disorder, and weakness, extending from gradations (blending almost imperceptibly with each other) heads of, aberration and impairment, are observed various In the morbid mental affections included under the

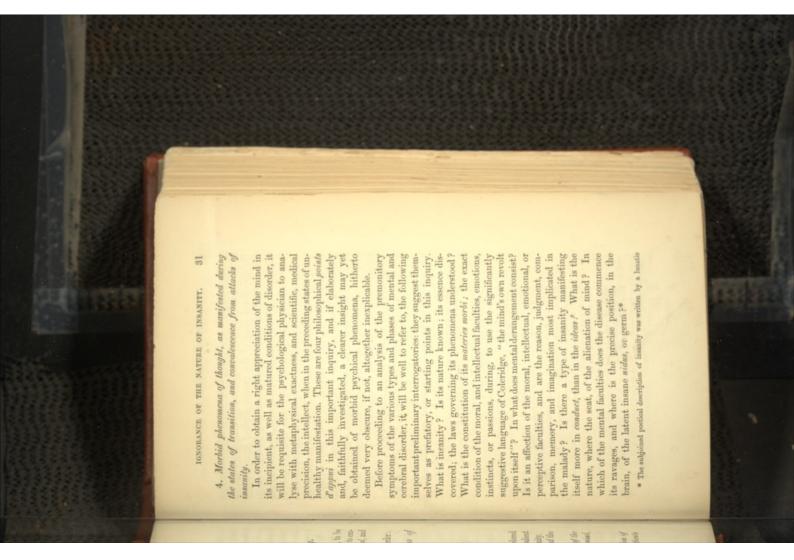
• It is a falling to suppose, a state of ensuit to be one of brain rest, and provided inactivity. It is, in many case, an active condition of the mind, uncompared by the plearandle, and, consequently, healthy gratification, excitance, it. If the plearandle, and, consequently, healthy gratification, and provided by the plearandle, and the plearandle and the plearandle plearandle the while uncoupled and in the spontaneous play of imagination; and for the plearandle in the state of imagination; and for the plearandle is everily altered. The therefore, in this construct, which to exercise our powers; that the state of the plearandle is the mind internally the state in which plearandle is the mind in state in which plearandle is the state of the plearandle is a state in which plearandle is the state of the plearandle is a state in which plear plearandle is the state of the plearandle is a state in which plear plearandle is the state of the plearandle is the state of the plearandle is the state of the energy appears as free and spontaneous; in the latter, as either computing the state of the state of and plainful effect, in order to accompliate other in the state of the state of and plainful effect, in order to accompliate the state of the state of and plainful effect, in order to accompliate the state of the state of and plainful effect, in order to accompliate the state of the state of and plainful effect, in order to accompliate the state of the state of a plainful effect, in order to accompliate the state of th may become play." A mind emarged, may unconsciously be occupied in the contemplation of mentally distributing and physically laborious and depressing thoughts. And us, therefore, not flatter ourselves with the filmsion, that a life of illeness and madrivity is necessarily one of repose, rest, and freedom from painfully-per-turbed thoughts. How true it is—

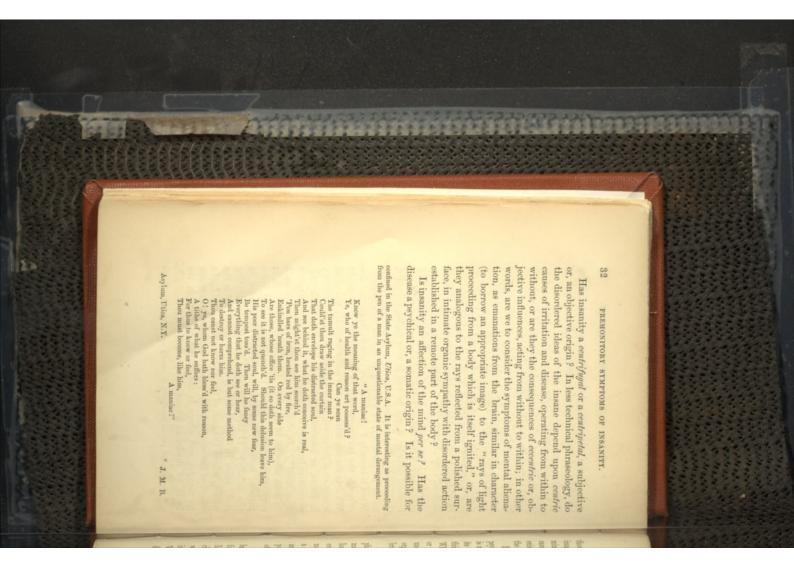
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" A want of occupation gives no rest; A mind quite vacant, is a mind distressed."









IGNORANCE OF THE MENTALS AND NERVE FORCE. 33

thought, in the abstract, to be diseased, independently of images occupying the consciousness? Does alienation of mind depend, not exclusively upon a psychical, or somatic cause, but upon a disturbance in the normal relations existing (in states of cerebral, and mental health) between the mental, and physical functions of the brain?

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Before endeavouring to solve these subtle and abstruse psychological problems, it will be necessary to ask what is mind? Have we any knowledge of its *nature*, clue to its *sead*, accurate idea as to its mode of *action*, or anything approximating to a right conception, of its essence? What are the modifications, the metamorphoses, organic or functional, which the vital principle, and nerve-force undergo, during their passage through the exquisitely organized, and highly vascular cincritious, or vesicular brain structure?

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How does the occult mental principle, believed by physiologists to be evolved or eliminated in the grey matter of the brain, become so mysteriously and marvellously changed from *nerve*, to *mental* force, and *nice versa*, in the hemispherical ganglia? Is the development of psychical phenomena the result of what is termed, a correlation of the two preceding modes of dynamical action, or, is mind a new creation, essence, principle, or power, organized or elaborated in the vesicular portions of the corebral mass?

What is the nature of the vis nervose of Haller? Is the brain a galvanic battery, and are the nerves constituted, for the transmission of impressions, like electric wires? Is the mysterious and undefinable "fluid," or "force," eirculating in the nerve tubes, a voltaic current, in other words, a principle identical with that of electricity, or one, in its essence, origin, and operations, entirely sui generia? What is the vis vide, and how is it associated with, and dependent upon, organized structures? What are the n



relations between the intellectual, and vital manifestations? these powers, as manifested during life ?† If our igno-Do we know anything of their nature or essence? Is ultimate principles of vitality, as well as of intelligence? matter? Are we not obliged to confess our ignorance of the at any exact knowledge of the substratum of nervous Are not all these great problems of organic, and psychical life, still, with physiologists, *sub judice* ?* Have we arrived not our knowledge of mental, as well as of vital, phenomena, entirely confined to an acquaintance with

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* Speaking of the mysterious union of mind and matter, St. Austin

says— "Attriam spiritumque cognoscando ignorari et ignorando cognosci." " Man is to himself the mightiest prodigy in nature, for he is unable to come what is body, still less what is mind; but least of all is he able to come how a body can be united to a mind j yet this is his proper being."—(Pascal), "A contented ignorence," says Sir W. Hamilton, when referring to this sub-joet, "is indeed wiser than a presumptions knowledge; but this is a lesson which seems the last that philosophers are willing to idem. In the words of one of the acutest of modern thinkers, "Magna immo maxima pars septentiae est for he is unable to concerve

guadam aquo nescir velle."
↑ "The notion we annex to the words matter and mind," says Reid, "is merely relative. If I an asked what I mean by matter, I can only explain morely relative. If I an asked what I mean by matter, choured, moreable, hard, rough and smooth, hot coold—that is i. Lean define it in no other way than by enumerating its sensible qualities. It is not matter or body which I

preview by my senses, but only extension, figure, colour, and certain other qualities which the constitution of my matrix leads are to refer to something which is extended, figured, and coloured. The case is precisely similar which respect to mind. We are not immediately conclose of its existence, but we are of sensation, thought voltion-operations which imply the existence of something which fields, thinks, wills." If Isaac Newton was asked, why he stepped forward when he was so in-effield, and from what ensues his arm coloured his will. It to none-shiped that he have nothing about the matter. If we were to follow the example of this great philosopher, and modelty shift our ignorance of those subjects about which we really have no knowledge, we should have a just conception of the shallow pretensions of man. No undertaking would perhaps prove more bandical to between what is really known and that which is meetly con-cision. jecture.

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⁷ Our radion of the nature of mind is as limited as our knowledge of mate-rial substances. " When we wish to have a rade knowledge of a piece of medal," says a great French philosopher, "we put it on the fire in a crucible but have we any couche wherein to put the soul? Is it spirit? asys one; but what is spirit? Assuredly no one knows. This is a word so void of

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with alienation of thought, proved utterly unproductive of any scientific results? Is there any theory of the test of metaphysical analysis, or stand the ordeal of is it practicable for the psychological inquirer to arrive at an accurate acquaintance of mind when disturbed and disordered by disease? Have not all the efforts that have hitherto been made, to solve the mystery connected insanity yet propounded from the bench, taught in the schools, or registered in our text-books, which will bear rance of healthy psychical conditions is so profound,

limited knowledge of the healthy constitution of the "We sometimes," says an eminent philosophical writer, "repine at the narrow limits prescribed to human of the mind. But, as in the material world, it is to this prohibition man owes his security and existence, so, in a well-known promontory is a welcome object to the has not the beneficial light in his own keeping, that he seems a hard prohibition, when applied to the operations the immaterial system, it is to this we owe our dignity, our virtue, and our happiness. A beacon blazing from bewildered mariner, who is so far from repining that he capacity: 'hitherto shalt thou come and no further,

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SATERATES

meaning, that, to tell what spirit is, you are obliged to say what it is not. The soul is matter, ways another but what is matter P we have nothing of it bluts few appearances and properties, and not one of these properties, not one of these appearances, bear the least affairly to thought." D 2

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IMPOSSIBILITY OF DEFINING INSANITY,

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strict medical or, legal criticism? Distinguished philosophers, experienced psychological physicians, accurate ease, with a view of discovering a key to its accurate definition. The pursuit, it must be admitted, has hitherto signally failed. Let us then, with a spirit of humility, fully acknowledge the extent of our ignorance of subtle abnormal mental phenomena, as well as our and profound logicians, have in vain attempted to analyse, unveil, and penetrate into the hidden nature of this dishuman mind.

STREET.

PREMONITORY SYMPTOMS OF INSANITY

36

if we stop where we can trace it no farther, and secure the firm land, and committed to the care of others."* is sensible its utility depends on its being placed on the observes :---" The labyrinth may be too intricate, and the tigation of psychical, as well as somatic phenomena, thread too fine to be traced through all its windings, but knowledge, and the difficulties attendant upon the inves-Dr. Reid, when referring to the limited nature of our

ground we have gained, there is no harm done; a quicker

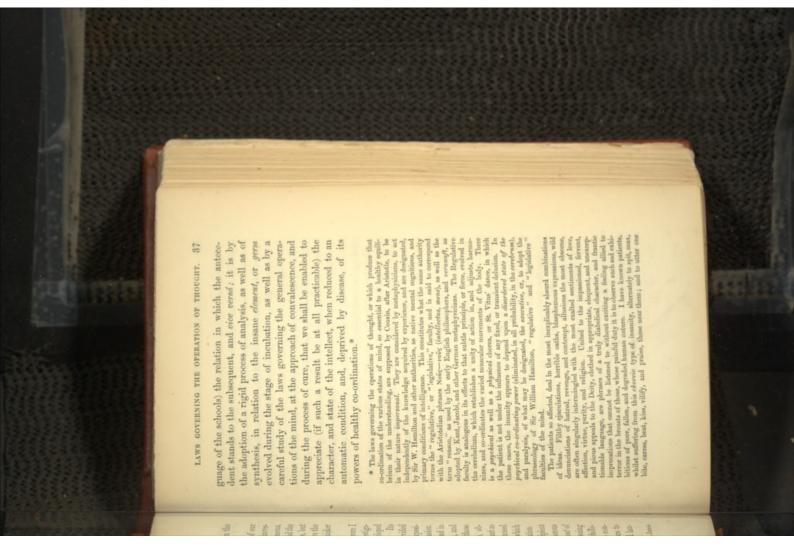
Constraint and

vast importance, entitles it to separate, and undivided to institute a psychological, and pathological investigaeye may in time trace it farther." in interest or value, the careful study of the points which deviations, from normal psycho-somatic conditions, obconsideration. I propose therefore to reserve any exposia deductive, as well as an inductive, course of psycholostage of disorder, when passing into one of its numerous I have suggested for further psychological examination. served in certain forms of mental disorder. Important as to consider, as far as practicable, the nature of those its simple, and complex morbid types of alienation, and It will then be my duty to analyse in detail, the mind in tion I have to make in reference to it for another occasion. insanity. This is a profound and intricate subject. tion of the mind, when in a state of fully-developed a morbid, into one of kealthy thought. It is by pursuing I consider this section of the subject, it does not exceed gical inquiry; in other words, proceeding from the conphases of disease, and to its state when emerging out of It would be foreign to the design of this work, were I I refer to the condition of the mind in the incipient Its

* "Desay on the Nature and Immutability of Truth," p. 20, by Dr. James Beattie, LL.D.

universals, thus ascertaining (to use the technical lan-

sideration of universals to particulars, and particulars to



PREMONITORY SYMPTOMS OF INSANITY.

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Without attempting to elaborate a special theory of insanity, I cannot refrain from directing attention, *en passaut*, to the close resemblance that obtains, between many forms of mental alienation, and the state of the brain, and mind, during the conditions of sleep, and dreaming.

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The many singular facts recorded in this volume, with a view of elucidating the subject of incipient insanity, as well as of obscure diseases of the brain, constitute, according to my apprehension, striking illustrations, good and valid evidence, of the remarkable analogy existing between these psychical phenomena.

out of their ruins its own grotesque edifices. objects, the fancy proceeds in its work of distorting, can still trace imagination to sense, and show how, it connects itself with certain actual perceptions. We this train we are still able to follow out to a point when dream ; the mind is occupied with a train of thought, and " ourselves conscious of being in the commencement of a sleeping and waking,) we find, says Sir W. Hamilton, transition state of the mind, between sleeping and talsitying, and perplexing these, in order to construct departing from the last sensible impressions of real roused from the transition state, (intermediate between approaches the confines of mental alienation ? When when the mind, losing its sane consciousness of objects, dition of the intellect, during the stage of incubation, waking, and how closely does it correspond with the con-How accurately does Sir W. Hamilton describe the

In dreaming, as in certain forms of disordered mind,

moment settiments that would do honour to the most orthodox of divines, and immediately afferwards use language only expected to proceed from the months of the most depreved of human beings? This phase of mental aliemation is often seen unassociated with any beings? This phase of mental aliemation is often seen unassociated with some of division, and internation, or illusion. It is generally (in women) connected with some obscure irritation and disease of the uterine system.

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39 INSANITY AND DREAMING.

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disputed questions in the science of morals; abstruse points of philosophy, have (according to accredited testimony) found their right solution during the suggested to the dreamy consciousness, which have of sleep, the intellect has, with rapid facility, solved subtle questions, which had puzzled and perplexed the mind, when in full and unfettered exercise of its waking faculties. Difficult mathematical problems; knotty and solemn darkness of night, and periods of profound dered under these circumstances, and conceptions paved the road to fame, and fortune. During the hours phases of intellectual vigour, and states of mental acuteness are developed, which were not normal manifestations during the waking hours, and were not known to exist, in conditions of healthy thought. The most exquisite creations of the poetic fancy, have been engensleep.*

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" Strictly speaking," arys Rosenkrantz, "intellectual problems are not solved in dreams, because intense thought is without images, whereas dreaming is a creation of image. I perfortly resolute having dream dream problems, and being happy in their solution, enderworred to retain them in my memory. I succeeded, but on awaking discovered that they were guide unmeaning, and

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going to very answers, arcsection semilaries. —(*) the Divinations. "00, and gram utilization effective tractus semilaries. —(*) the Divinations. "00, " 11° says Pascal, "we dream terry right the same things, it would per light and the several production of the series of the second per first and the several production of the series of the second per dream for two were period that here would be almost as happy as a king who are a king. I an convincion that here would be almost as happy as a king who dream for two irred by memicy, and harmsted by bornful partons, we that we were period by the real harmonic and we should shard in a should after almost an anoth as if that were trop, and we should shard in a should after a smoot as when we are availy, that we here a same to appre-green these misfortnes. It is only to cause dream are different and incom-hered these misfortnes. It is only to cause dream are different and incom-sident, that we can say then we are availy, that we have dream, for life is a distant in the less inconsistent.—(As quoted by Sir William Hamilton, in his dream a little heave inconsistent.). A success, out-on-more a sleeping imagination. Institution of the subscription a sleeping imagination with this difference, the mail-mail conduct (as a general principle) in correspondence with the difference main conduct (as a general principle) in correspondence with the difference main conduct (as a general principle) in correspondence with the difference anggestions of his discriment, unbuilded, and monorulolla frave. If every aggestions of his discriment, unbuilded, and monorulolla frave anggestions of his discriment, unbuilded, and monorulolla frave there are all correspondences of the action of the discriment. Majorer a sping control in the action of the monorulo of motion. (90) we can main different notus sominates. (1) Definition (20)



Sir Isaac Newton is alleged to have solved a subtle mathematical problem whilst sleeping, and Condorcet recognised in his dreams the final steps in a difficult calculation which had puzzled him during the day.

Condillac says that when engaged in his "Cours d' L'lude" he frequently developed and finished a subject in his dreams which he had broken off before retiring to

rest.

Coleridge's poetical fragment, "Kubla Khan," was composed during sleep which had come upon him whilst reading the passage in "Purchas's Pilgrinage," on which the poetical description was founded, and was written down immediately on awaking; "the images rising up before him as things with a parallel production of the correspondent expressions without any sensation or consciousness of effort."*

In dreaming, the mind is occupied with the incongruous conceptions and fantastic combinations of images, so characteristic, of many conditions of disordered intellect. There is also, a similar want in the coherence of ideas, one conception following another, and this succeeded rapidly by a *series* of mental impressions, in opposition to all the legitimate laws, governing associated thought. There is also a complete paralysis of the will, over subjective phenomena, this faculty exercising no controlling influence over the train of suggested ideas.† In the act of dreaming, the most trivial circumstances,

** Carpenter's Physiology," p. 643.
* In states of imperfect skep—conditions existing multiway between wakealtogether to be suspended in its operations. DOLLD STANAT has commonted upon this fact. He observes, when referring to the phenomenon, "It may be proper to remark, that, if the suspension of our voluntary operations in skep is admitted as a fact, there are only two suppositions which can be formed concerning its cause. The one is, that the power of volltain is susposed it, the other, that the will bese its influence over those facilities of the mind, and these members of the body, which during our waying hours are subject to its authority. If it can be shown that the former supposition is

consequence. That the power of voltion is not surgeoid during along appears from the fields which we are conscions of making while in that situation. We the efforts which we are conscions of making we call out for assistance. The attempt, indexi, in general unsuccessful, and the sounds which we run are feedble and indistint, that this only confirms, or rather is a nonseary consequence of, the supposition, that is along the conscion lapered are will consequence of the supposition, that is along the conscion lapered are will consequence of the supposition is disturbed or interrupted. The confinance of the power of the voltion is demonstrated by the effert, however indfe-taal."-(" Philosophy of the Human Mind.") comprehended sometimes in a few minutes, or even seconds, is finely illustrated in the dream of Count Lavalette. "One night," he says, "while I was asleep, the clock of the Palais de Justice struck twelve, and awoke me. I heard the gate open to relieve the and upon a blister being applied to the head, under similar states of mind, it suggested to the person, an idea that he over some dreary moor, during a fearful hurricane. In beyond a minute, or, even a second, the events of a long and chequered life have elaborately, and in their minutest relation, occurred to the mind, and, in the smallest appreciable period of time, an eventful history, full of remarkoccupy hours, days, nay, even years, are compressed and not agreeable to fact, the truth of the latter seems to follow as a necessary give a decided character and direction to the current of feet of a person whilst sleeping, has given origin to the an idea of being exposed to the crushing effect of a terrible avalanche, or suggest the notion, that he is wandering many instances, in a dream that has not continued able incidents, has, in the imagination of the person, where events, which in their actual development would impression, that he was walking on the crater of a volcano; was being scalped by Indians. Any sudden noise, occurring in the immediate neighbourhood, or, within hearing The rapidity of mental action occurring in dreams 41 thought. The application of a bottle of hot water to the of the dreamer, will, in many cases, originate in the mind, INSANITY AND DREAMING. taken place.

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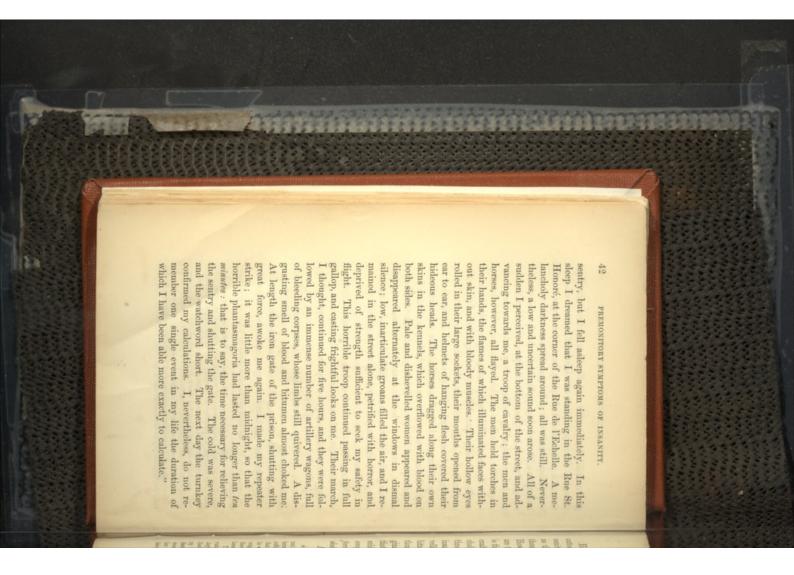
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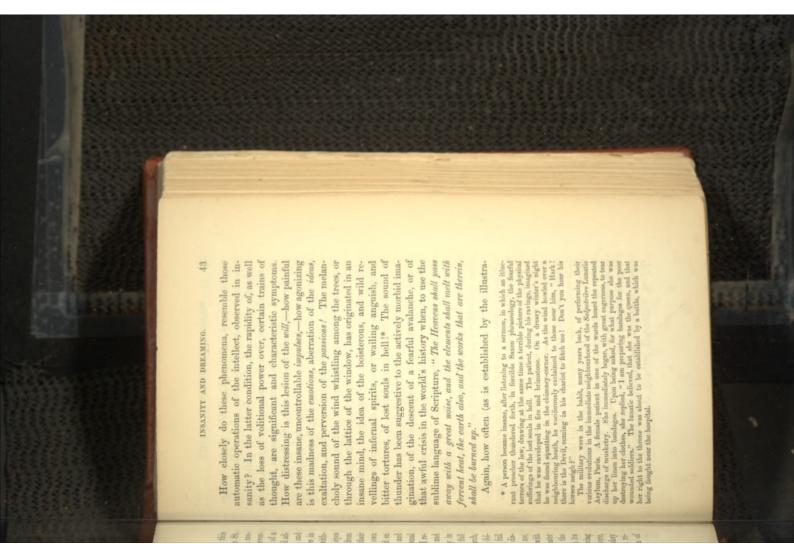
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PREMONITORY SYMPTOMS OF INSANITY.

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tions to be found in this work) all idea of *duration* appears to be obliterated from the mind of the insane, during the continuance of the disease, the patient appearing, after many months, and sometimes years, of sad illness, and distressing isolation, to awaken, as it were, out of a fanciful and troubled dream; the healthy ideas that had occupied the mind, a short period previously to the accession of the insanity, suggesting themselves to the consciousness, with all the freshness, vividness, and force of recently received sane impressions, contemporaneously with the restoration of reason, to its healthy supremacy. In dreaming, as well as in some forms of mental aber-

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ration, the mind has, occasionally, a clear apprehension of its morbidly automatic condition. A person, whilst under the influence of a series of fanciful occurrences, created by dreaming, or insanity, will, occasionally, acutely reason with himself as to the *reality of the images* occupying the attention, and be fully conscious that he is insane, or dreaming. Dr. Johnson says, " I was often during sleep engaged in controversial discussions, and whilst recognising that my antagonist occasionally had the best of the contest, I entirely forgot that my own arguments, as well as those advanced by my opponent, were supplied by myself !"

Even in cases of fully formed insanity, the mind has occasional gleams of healthy lucidity, and scintillations of same consciousness, during which conditions, (in accordance with the confession of patients) the lumatic fully recognises the disordered state of his ideas, and abnormal condition of the emotions, and instincts, and makes a repeated effort to crush, or dissipate the predominant mobil impression. I have often been informed by patients (after recovering, from long, and distressing attacks of mental derangement) that they have had, at varying intervals, a perfectly clear conviction of the LUCID INTERMISSIONS DURING ATTACKS OF INSANITY. 45

ments, and transitorily sane conditions of mind, were, however, of an evanescent character, appearing like a insane character of their thoughts. These lucid moflash of lightning across a dark, and dreary heath.

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parently of a chronic character, the reason has been known suddenly to be restored to its sovereignty, not only during the course of the malady, but immediately before death. I have witnessed some remarkable illustrations of the kind. When referring to this pheno-In some cases of insanity, of long duration, and apmenon, an accomplished writer observes :---

tain disentanglements of intellect, in which the patient is for a time only extricated from the labyrinth of his more sense than ordinary men. There is, perhaps, as court coruscations of talent, might be as likely to meet with them in a receptacle for lunatics as in almost any other theatre of intellectual exhibition. But the flashes of wit betray too often the ruins of wisdom, and the mind which is conspicuous for the brilliancy, will frequently But the mere interruption of a disorder is not to be Little stress ought to be laid upon those occasional and uncermorbid hallucinations. Madmen may show, at starts, much genius confined as at large; and he who should "There are few cases of mania or melancholy where the light of reason does not now and then shine between the clouds. In fevers of the mind, as well as those of the body, there occur frequent intermissions. be found deficient in the steadiness of its lustre."* mistaken for its cure or its ultimate conclusion.

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of apparently perfect dementia. In this condition, she continued many years. Late in life she had an attack A young woman, who was employed as a domestic servant, became insane, and at length sunk into a state of typhus fever. The physician who was in attendance

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15 10 * Dr. Reid's " Essays on Hypochondriasis."

46 SINGULAR TEMPORARY RESTORATION TO REASON. upon her, was surprised to observe, that as the fever advanced, a development of the mental powers took place. During the height of the fever, when deliring generally exists, this patient was entirely rational. She recognised, in the face of her medical attendant, the son of her old master, whom she had known so many years before, and she related many circumstances respecting his family, and others that had happened to herself in earlier days I But, alas! the reign of reason was but of short duration. It came like a flash of lightning across the intellectual desert, leaving behind a hopeless state of mental obscurity, and obliviousness! As the fever abated, and her bodily health returned, dark clouds again enshrouded her mind, and she sunk into her former deplorable state of idicey, and continued so for many years, until death terminated her sufferings.

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INDIVISIBILITY OF MIND.

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CHAPTER IV.

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Confessions of Patients after Recovering from Insanity; or, the Condition of the Mind when in a state of Aberration. Tur autobiography of the insane, embodying a faithful record of the state of the intellect, emotions, and instincts, whilst fading into a condition of alienation, as well as an accurate account of the condition of the mind after its complete subjugation by disease, proceeding from the pens of persons who have passed through the terrible ordeal of insanity, opens a new, and profoundly interesting page, in the history of the pathology, as well as philosophy, of the human mind.

condition, a combined state of reason, and insanity. This idea does not at all militate against the view, that I have this phrase in its strictly legal acceptation. The mind is affected, without, to a certain extent, influencing and theless, there are in derangement of the mind occasional lucid moments, when the patient is conscious of his state of Insanity does not invariably overthrow, and alienate, all the powers of the understanding. It is often a mixed elsewhere propounded, respecting partial insanity, using one and indivisible." A part of the intellect cannot be modifying the whole of the operations of thought; nevermania? Can they have any recollection of their incoherent ramblings, wild and fanciful imaginations, horrible and It may be asked, is it possible for the insane, accurately to describe the state of their mind, during a paroxysm of frightful hallucinations? In many cases, such is the fact.

STATE OF MIND DURING INSANITY.

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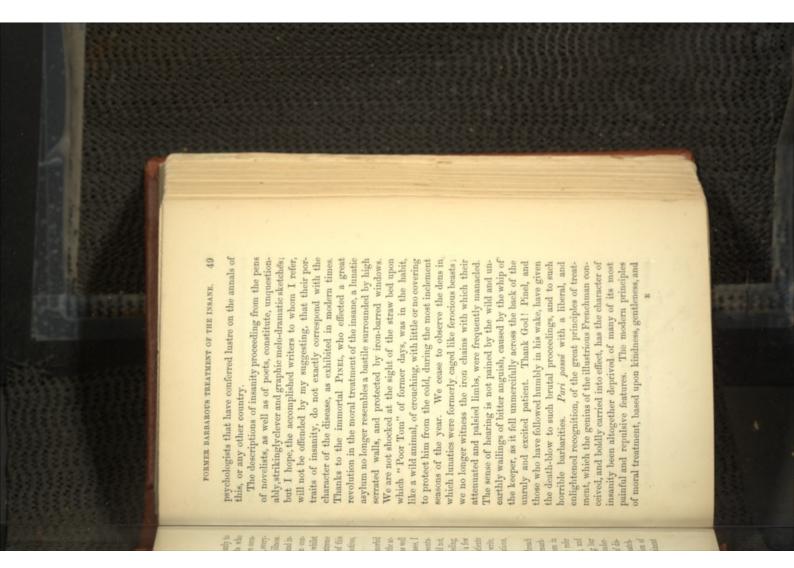
disorder, and is able to describe his sensations clearly to those about him. Again, after recovery, patients who have passed through acute attacks of insunity, are occasionally able to recollect, with remarkable clearness, everything that occurred during their long, and painful illness. Patients, however, have frequently very confused and incorrect notions of events that have transpired, in connexion with themselves as well as with others, whilst insane. We are bound, therefore, to exercise extreme caution in admitting and acting upon evidence of this character, particularly if it materially affects the motives, and compromises the actions, of others.

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With a view of analysing the phenomena of morbid thought, I have often requested patients to detail the actual operations of the mind during the incipient, as well as advanced stages, of its disorders. In many cases, I have not been able to obtain any trustworthy representation of facts; in other instances, the patients could not, without considerable and painful revulsion of feeling, revert, even for a single moment, to the past. In a few instances I have had no difficulty in persuading patients not only to talk about their past condition, but to write, with great minuteness, an account of their sensations, mental and bodily, whilst insane.

I cannot, without a violation of good faith, and a breach of professional confidence, publish some of these remarkable confessions. I may, however, revert to them in general terms. Before doing so, I would briefly refer to the fallacy pervading all the poetic, dramatic, and artistic descriptions of insanity, save and excepting our own illustrious, and immortal Shakspeare, whose wonderfully truthful delineations of the different types of disordered mind, embodied in passages of rare and matchless beauty, must ever entitle him to the distinction of holding the foremost rank among the most eminent



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soothing tenderness, have very materially modified the

of the insane, in modern times, I am bound to refer, not great improvement that has taken place in the condition only to the abolition, thanks to Dr. Conolly, of the severer manifestations of insanity. and assiduously continued. The diet should be the poorest the labour of draft cattle should be imposed upon him, the great excitement of the organs of voluntary motion, in his state of insanity, to despair. As a remedy against speaking of his method of curing mania, observes : " The sovereignty of the medical republic. Dr. Brown when fully contested, with the illustrious Dr. Cullen, the who, for a short period, entered the arena, and success-Dr. Brown (author of the "Bruonian theory" of medicine) principles of treatment as enunciated by the celebrated universally, adopted and acted upon. I refer to the the enlightened views that are, in the present day, almost flourished and ruled despotic, about sixty years ago, with great distinction, and of high professional eminence, who for one moment the opinion entertained by medical men of the pathology as well as therapeutics of insanity. Compare forms of mechanical restraint, but to the progress made in patient should be struck with fear and terror, and driven it, covered all over, for a long time, till he is near killed!" possible, and his drink only water. In water, as cold as possible, the patient should be immersed, and kept under In estimating the circumstances, that have led to the It is evident that Dr. Cullen himself, entertained the

most meanlightened views with regard to the treatment of insanity, for, he says, when speaking of the management of lumatics, "in most cases it has appeared to be necessary to employ a very constant impression of fear to inspire them with the awe and dread of some particular persons, this awe and dread is therefore by one means or other to be acquired, sometimes it may be

necessary to acquire it by stRIPEs and BLOWS."* It is 51 clear, that these notions were at that time generally prevalent, for I find in Burns+ the following passage, " Any person may justify confining and beating his friend being But Collinst ventures to expound much more monstrous views, in regard to the insane, than the three authorities previously mentioned, for he asserts, that "furious madmen may be legally despatched by private men !" Whilst contemplating such barbarous, and inhumane principles, we are not astonished to hear the solemn protest, which the illustrious Lord Erskine, when Lord Chancellor, considered it necessary to make, in judge, " the various trusts with which I am invested, in behalf of the insane. "I consider," says this renowned a manner, as nothing when compared with the sacred duty of protecting those who are visited with mania; it is as much a disease as any other with which it pleases Gon to afflict mankind, and I am sure it is always exasperated in its symptoms, and frequently rendered incurable by How different are the modern views, with regard to the humanizing and enlightened principles (so successful in the cure of the malady) we may undoubtedly, in a measure, trace the great alteration that has happily been medical, and moral, treatment of insanity! To these considerate, and affectionate treatment, has disarmed inmad, in such manner as is proper in such circumstances." effected in the features of the disease. Kind, gentle, sanity of many of its repulsive, and most odious cha-With these preliminary remarks, I proceed to a consideration of the incipient symptoms of insanity, as de-E 2 CRUEL TREATMENT OF THE INSANE. Dr. Cullen's "First Lines." Burns' " Justice," vol. iii. p. 311. " Essay on Human Liberty," p. 64. unkind and rigorous treatment." racteristics.

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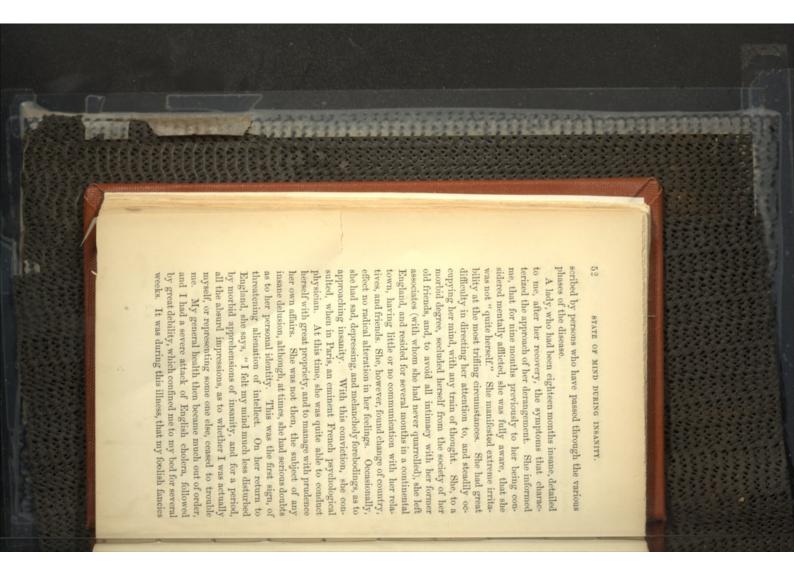
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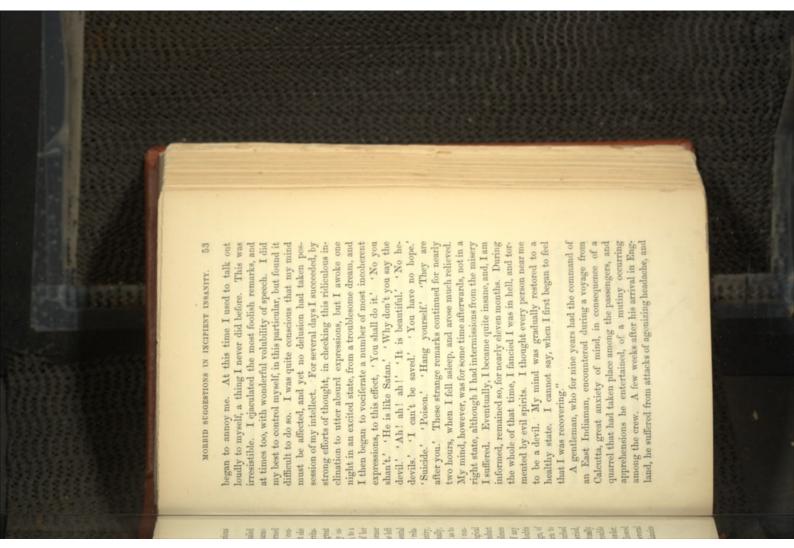
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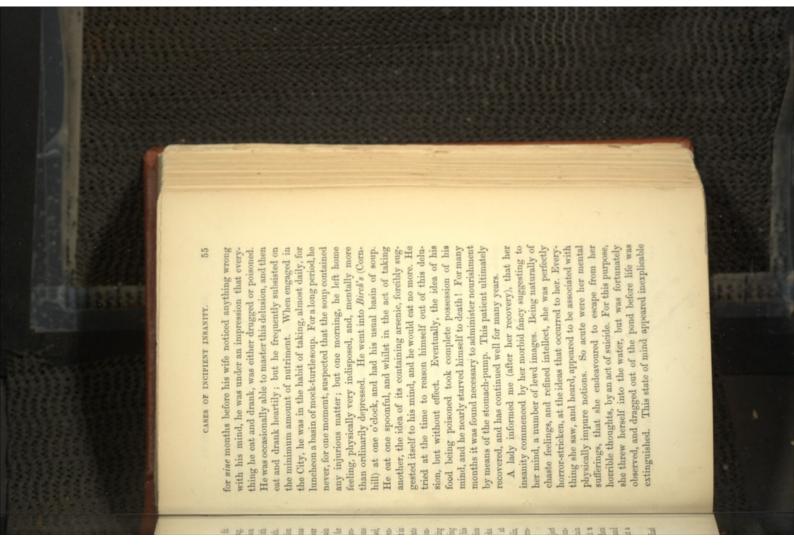


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continued for nearly a fortnight. It was associated with of syncope. About a month after the attack of fainting, one day, whilst getting out of bed, he fell down in a fit own lodgings, with his family. This mental depression of a vessel. They recognised each other, and stood for of throwing himself into the London Docks, and thus a great weariness of life, and intense longing for death. he became greatly depressed in spirits. This depression accompanied by an overwhelming and apparently irrehim in tow, and they both proceeded to a neighbouring tears, and made a full confession of his contemplated comhis replies, and being pressed upon the point, burst into some time in close conversation. The friend then proputting an end to a miserable existence. When near He left home late one night, with the full determination sistible desire, for eternal destruction. this period, simply one of acute suicidal melancholia, During this time he had no delusion. The case was, at continued, without any intermission, for several weeks. hotel, and he subsequently saw him safely deposited in his mission of suicide. His friend then insisted upon taking tleman was going, he became confused, and incoherent in refreshment. To this suggestion, an objection was raised the East India House, he met an old friend, also a captain but upon the question being asked, as to where the genposed, that they should adjourn to an hotel, and take some

of general remark. He arrived home one day, in an unparties were watching him in the street, and that a usual state of excitement, affirming that he knew certain week from this time, he was acutely insane. skits in Punch, were directed against him. In about a imagined, that particular paragraphs in the Times, and policeman had followed him for some distance. He then Eventually, this patient fancied that he was the subject

A professional gentleman stated, after his recovery, that

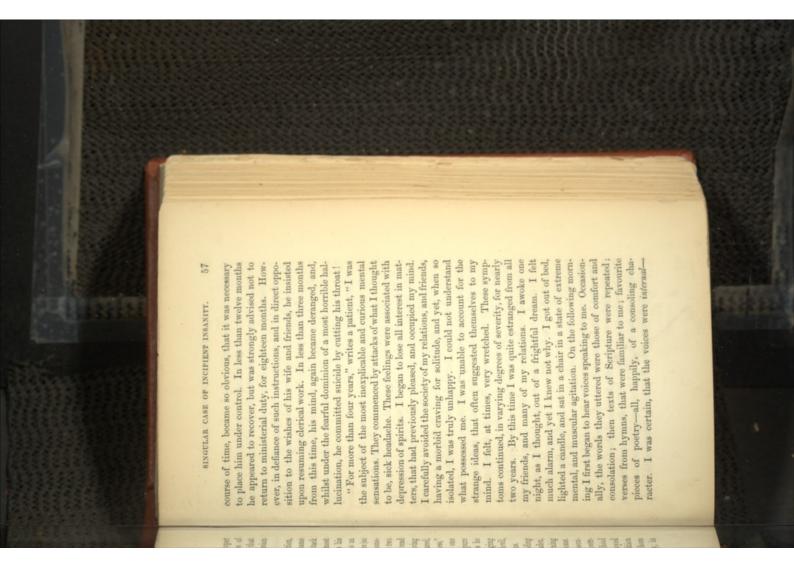


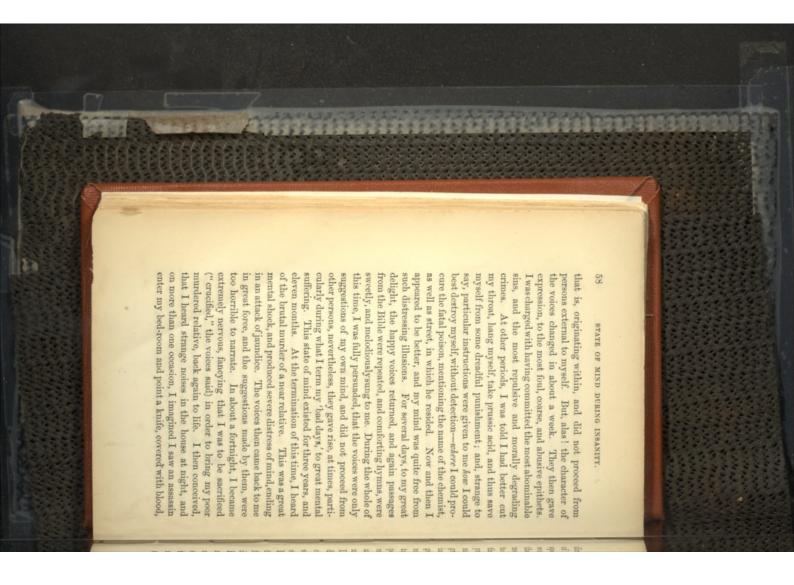
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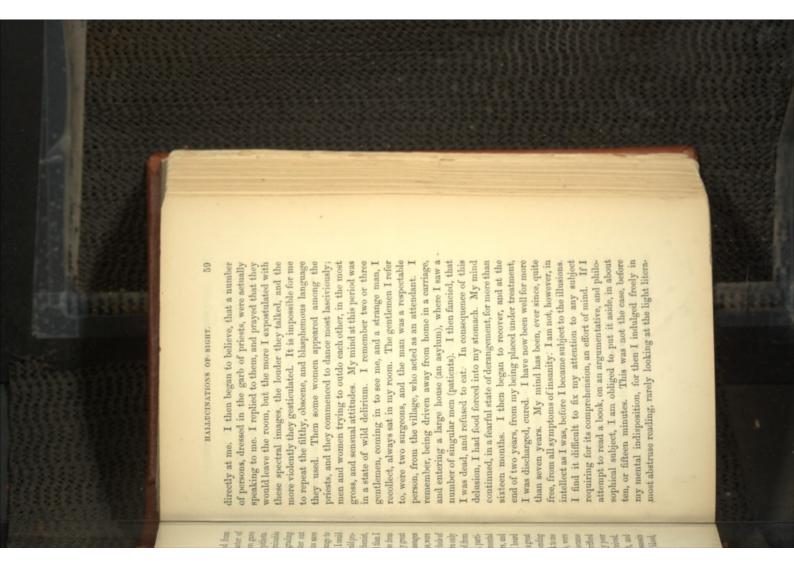
to her, because she had never indulged in any improper ideas; and having a literary taste, for a high class of books, she was not in the habit of reading anything, that could have haid the foundation, for so fearful a perversion of the animal instincts.

thought, plainly spoken; the second (or good self), begging of insanity, his unhappy mind was tortured by the most and to refuse compliance with his horrible suggestions. and beseeching him to resist the machinations of the devil, expressions, and the words-actual words-were, as he (or the evil self) urging him to utter certain impure or, as if he had, to use his own phrase, "two selfs," one as if he were under the influence of "double consciousness, the most dreadful thoughts enter his mind. It appeared the lessons in church, or preach a sermon, without having he informs me) he had experienced, but in a someattack of acute mental derangement. Two years before (so condition, more than twelve months previously to an obscene, and blasphemous suggestions. Such was his and purity of thought, suffered severely from the same months, he never could engage in family prayers, read what modified form, similar symptoms. For about two distressing symptoms. At an early period of an attack A clergyman, remarkable for sweetness of disposition,

On my advice he left England, and went abroad, residing some short time at Spa. He then visited Baden-Baden, and remained on the Continent for six months, returning home, apparently quite free from all nervous symptoms. For four months, previously to the recurrence of the peculiar morbid thought referred to, he had been greatly overworking himself, in attempting to establish a new school in connexion with his parish. He was also much annoyed and irritated, by an unkind and, unexpected opposition that had been raised by some neighbours, upon whom he relied for support. This gentleman's insanity, in







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ture of the day. My head aches, and the mind gets confused, if I try to follow a complex train of reasoning, and I, therefore, now do not read any work, that is likely to produce tension of thought."

The following letters were addressed to Dr. Awl, superintendent physician of an American asylum. They were written by patients who had formerly been under his care in the institution. They illustrate the subject under consideration.

" I am now engaged (says the patient when addressing Dr. Awl), in writing to some of my friends at the asylum; and though you may not be expecting a letter from me, yet I must ever consider myself under obligations to you, as the instrument, in the hands of Providence, in restoring me to health, reason, and my family. Of course you do not rank least in my affections, when I remember my friends at that truly benevolent institution, for I am fully confident, that had I not been placed there, I should never have recovered from the torments of a deranged mind.

"Should I undertake to describe to you the anguish which I suffered before, and for several weeks after I became your patient, my language would fall so far short, that I should convey no idea of it; but in our hall I found those that were under the same delusions that I was. One would say her children were murdered, and she had eaten them. Another would say, she was to be burned alive, and she was brought there to be boiled, and the doctors were to make an anatomy of her, &c. All these, together with hundreds more of the most horrid delusions that can possibly enter the imagination of the crazed brain, had haunted me for months. My brother, my husband, and even my own son, a child of ten years, I was afraid of. I thought everybody on earth knew my thoughts, and that I was

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things, until gradually reason returned, and with it the but when I found others in the asylum, who seemed to I was led to try to think I might be wrong in some The mother, I am your boy ;' so I could not do it then ; but mother, I am your boy ; so a murder, before I got myself I was fully determined to murder, before I got called a meeting on my account, and had resolved to send suffer in a degree the same fears and torments as myself, not a human being ; that I was the devil! and that I band I would kill my boy, for he had already been poor boy cried, and came to me, and said, 'Yes, me to Columbus to be burned, and made an anatomy of; ought to kill myself and children. I once told my hus-19 CONFESSIONS OF THE INSANE AFTER RECOVERY. murdered, and he was only the ghost of my child. to the asylum ; for I believed the people of -

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affections of the heart. "When I entered the asylum, my sufferings cannot be described ; and though I do not believe that any being on earth ever suffered anything to be compared with my anguish and torments, yet, if persons who are deranged do suffer even a thousandth part as much as I did, I am sure I pity them from my very soul."

After recovery this lady says: . " I arrived safe home, and found my children and friends well, and not a little astonished to see me so soon —and so well, too; I could scarcely make them know me. Before I left them and since last February I scarcely rever spoke to any one of them, and they scened surever spoke to any one of them, and they scened surever spoke to any one of them, and they scened surverder when I try to convey to them some faint idea of wonder when I try to convey to them some faint idea of What a dreadful thing it is to have had my children afraid of me! Now they are so happy, and say to the neighbours, 'My mother has come home, and she is not erazy at all."

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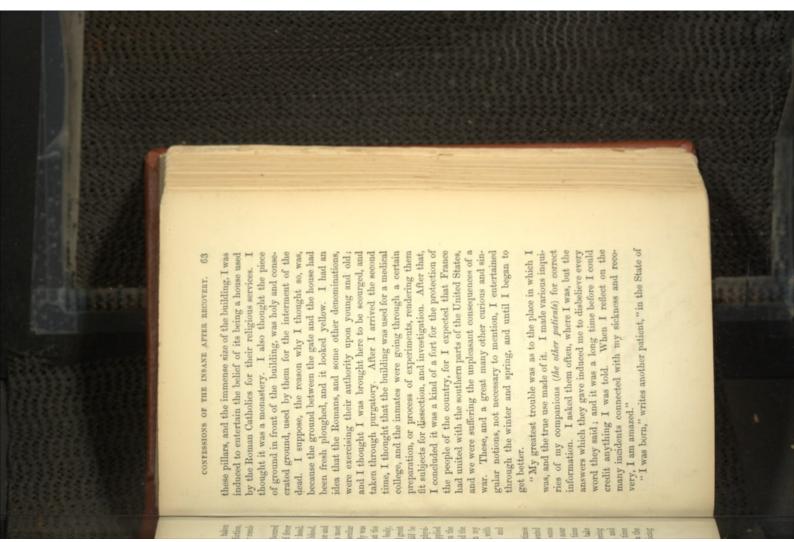
Another patient writes, "As you desired me to give

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you some account of the manner in which I was taken sick, and the circumstances attending my long affliction, I will now endeavour to state them as near as my recollection of things will permit.

delirious. top of my head, and gave me several emetics; and the to my ankles and a blister to my breast, and one on the cian was employed, and he ordered plasters to be applied re-united, and made to grow together again. A physiwhich appeared to be real and true; and I suffered great the best constitution in the world, senseless and anxiety as to how the parts of my body should be knees, and my head and breast severed from the body, divided into four parts, the legs being cut off at the singular dreams, or visions of things. One peculiar that seemed to spend its force principally in my head pain of all these, and the distress of the fever in my thought that entered my mind was, that my body was derangement of mind. In this state I had the most exceedingly hard, which brought on an attack of fever I also had a severe cough, and at one time spit blood lead, was enough to render the strongest man, with As the fever increased, I experienced a kind of stupor and "In the fall of 1839 I was much exposed, and laboured

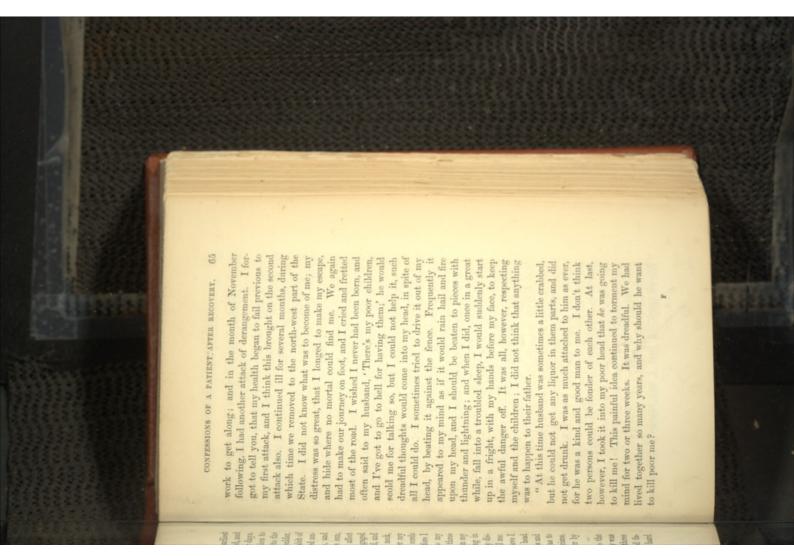
"I continued in this condition some time, sometimes pretty sensible and others indifferent to what presented itself before me. At length, through the advice of some friends, I believe I was taken to your asylum. As near as I can recollect, I was taken twice. The first time there was no room for me, and my father had to take me home again. I remember on my first visit, seeing the four round pillars in front of the building, and walking up the steps into your room. At this time I entertained the opinion of having just landed in the eity of Rome; and from the circumstance of noticing



and kindness of my husband, I began to recover by be killed ; but through the attention of the physicians, anxiety of mind, from the apprehension that I was to was completely deranged. I continued out of my head I could not go to sleep, and, by morning, I believe I tressed, and thought somebody was coming to kill me. the world. On the following night, I was greatly dismind on account of our difficulties in getting along weeks, previous to this attack, and felt troubled in my felt able to return to the house, and attend to my domestic duties. I had lost much sleep, for two or three and hot fires of the burning brush, appeared to affect degrees, and eventually got entirely well. for three or four months, and saffered much distress and eyes and forehead, and the sensation of tight cords accompanied with a drawing down of the skin over my felt an uncommon stiffness in the back of my neck, my head very much. On a certain day, while engaged clearing up the land. The stooping, heat of the sun, recollection, I was of a quiet and steady turn of mind, and in the field, I was suddenly struck almost blind, and commonly hard at making fence, burning brush, and assisting him with his work, on the farm. I worked unsome time after our marriage, and I was in the habit of man of my choice. He received an injury in his shoulder, the will of my parents, but was devotedly attached to the Maryland, and am forty-four years of age. From my earliest passing through my head. It was some time before I I was married in my twenty-fourth year, in opposition to have seen nothing but hardship and trouble all my days. In

"After I got well, we concluded to come out to the State of Ohio. We were very poor, and the journey was accomplished on foot. It was in March, and the three children and myself suffered greatly from cold and fatigue. Husband had taken to drink, and we had hard

STATE OF MIND DURING INSANITY.



66

ing, and about twelve o'clock ran off on to the wild prairie, and did not think of returning until near night. I met where I wandered about during the whole afternoon, cannot tell anybody exactly how I felt. The same must kill him; but my mind was so much excited, I agitated when the thought came into my head that] there was dreadful work to be done. I was very much up and built a fire. Something appeared to tell me It was a terrible night to me. About daybreak, I got and the family went to bed as usual. I could not sleep. we all returned to the house together. I got the supper, husband coming after me, with one of the children, and righteous beside myself. mystery; but the thought that I was born to be lost that I was born to be lost; it appeared like a hidden ceeded in putting it down. I had a confused notion thought came into my head in the night, but I sucbe saved. I often thought that everybody was made was uppermost. At the same time, I supposed he would "One Sunday, I was full of this idea the whole morn-

"I stood alone by the fire. All were sound asleep. "I stood alone by the fire. All were sound asleep. Husband partly wakened when I first got out of bed; he merely opened his eyes, and then went to sleep again immediately. I knew he was sound asleep, and I felt that I must kill him to save myself. I accordingly went to where the children lay, and drew out a broad axe from under their bed, that he had borrowed from a axe from under their bed, that he had borrowed from a meighbour. I went right to his bed, with the axe in my hand, trembling like a leaf. He was laying on his right side, with his neck hare, and I immediately struck him the one fatal lick across his neck! He kind o' struggled, and partly raised himself to his knees, and wakened the children, a dying. My daughter came running to me in a fright, and took the axe out of my hands, screaming that I had murdered father! and CONFESSIONS OF A PATIENT AFTER RECOVERY. 67 sprang to him, and kissed him on his forehead, crying, "As quick as they could get their clothes on, the children ran off to the neighbours. I sat down, and A gentleman first looked in at the door, and asked me stayed in the house alone, until the neighbours came. what I had done. I said (evasively) that I had not done anything; that I had to go to hell, and that I would have something to go there for. He came in, and said and would go along with him without tying. He first me to jail. I was as distracted as ever; and what I had he must tie me. I told him I did not want to run away. took me to the next house, and in three days they sent done gave me no relief nor satisfaction. I think it was as much as three months before I began to come to myself. I was not tried for the murder, which I never attempted to deny, but sent here to the lunatic asylum. thing else for a long time. My mind now appears to be I feel much better, though very weak. I am thankful I supposed they would hang me, and did not expect anyentirely clear, and I want to go home to my children. they brought me here. My mind is altered now about will go to rest. I like to go to your evening worship " To our question, ' Well, Mrs. S., you say your mind is now clear; don't you know it was wrong for you to going to hell ; I have hopes, and think, when I die, I And are you sorry that you did it ?'-This question her whole frame shook, as she raised herself up, and emphatically replied—' No, doctor, no! I'm not sorry for it! It was God's will—why should I be sorry? He made me do it to show me His power-and I was appeared to touch the very chord that had been so long kill your husband?' 'Yes, doctor, I know it was wrong. diseased. Her eyes flashed; the pupils contracted; and very much, when I am able to walk upstairs," &c. 2 2 'Oh! he's my poor, poor father !'

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willing to do something to go to hell for!" It was but the flash of a moment, and all was calm as before."* The writer of the following narrative was for some period an inmate of Bethlehem Hospital. After his recovery he wrote to Dr. Hood the following account of

" Previous to this year, 1851, I never for one moment "Previous to this year, 1851, I never for one moment suffered from mental derangement, although, I must confess, that I commenced to take strong drinks with excess, at a period so far back as the latter end of 1849; until that time the only complaint I was subject to was accidental constipation, accompanied by fever and loss of appetite. " As my disease first made its appearance in London-

"As my disease first made its appearance in Londonderry, I shall take the liberty of giving you an account of my way of living there, from the time of my arrival to the day when illness, despair, and want of pecuniary resources, compelled me to leave it.

"In August, 1845, on my return from France, whither I had gone to spend my vacation, I was, on the most pressing recommendation of the Manager of the Bank at pressing recommendation of the Manager of the Bank at college, Londonderry. The Reverend Mr. Henderson, who was and still is the head-master, after the trial of a few days to put my qualifications to the test, agreed with few days to put my qualifications to the test, agreed with me that I should receive my board and lodging in the me that I should receive my board and lodging in the inmited number of pupils; my lessons were to be given four times a week, and to last two hours every time.

"For three months I lived in the college, attending my classes there according to the agreement, and also other young gentlemen and ladies in town; but finding that I could not meet every one's wishes without interfering with the meal-hours at college, I resolved on taking up my residence in the city. The principal, to * Extracted from "The American Journal of Insuity."

69 CONFESSIONS OF A PATIENT AFTER RECOVERY. whom I communicated my determination, gave me his full approval, and desired me to continue my attendance in his establishment for the salary of one pound per

"I therefore removed on the 1st of December, and got lodgings in a most respectable family, consisting of four sisters. They were elderly ladies, and nearly related to quarter for each pupil.

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"There I spent, until June, the most happy months I My health was excellent, I had as many more like sisters than strangers to me, and the steadiness about Derry to honour we with their esteem. In a word, I saw before me most encouraging prospects, but there was in me, steady, sober as I was, the seed of many scholars as I could wish; the ladies of the house were of my conduct as a teacher caused the best families in and a gentleman whose daughters I attended. ever enjoyed.

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"Like many of my countrymen, and though brought up by a most pious mother, I was a Christian only by from me all notion of God. Thus, whilst in the sight of men my conduct was irreproachable, I shamefully forgot name. The college life in Paris had almost rooted out that the discharge of our duties towards our Creator is alone calculated to render our conduct irreproachable. Never did I once go either to church or to chapel during sins, a profound disrespect for religion. upwards of two years.

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came back in August next, after a stay of a few weeks with my family and friends; but there too I was so obstinate in my refusing any attendance at church, on what she called my déplorable csprit fort. Many, many "I returned to France, as usual, in June, 1849, and Sundays, that I left my poor mother quite dissatisfied at a time did she prophesy to me that I should one day weep on my impiety.

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"I was soon to experience the realization of that pre-

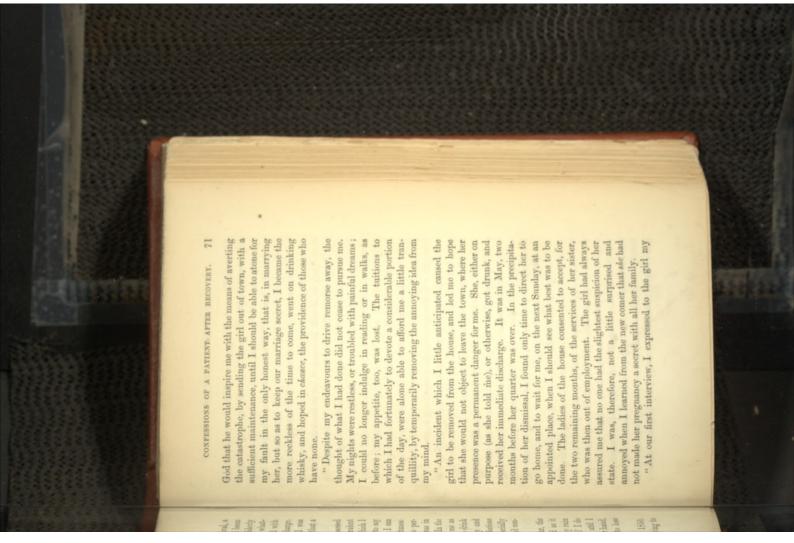
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diction. When I came back, I found on my arrival, a new servant occupied in my sitting room. She had been engaged, during my absence, to replace the elderly woman who used to wait on me at table, and to do whatever I might require. I was very much satisfied with her attendance, and sincerely regretted her discharge. On my asking why she had been dismissed, I was answered that she could not do all the work, and that a young, active girl was by far preferable.

ceive that I was in her power more than she was in only at night, after my business was over. The libations much money as she could. I then commenced to drink mean time, she took great care to obtain from me as The girl, though young, was knowing enough to perassert it, may be traced all my troubles and misfortunes. that I yielded to temptation. From that time, I can have since been severely punished. Let it suffice to say enough not to resist; but for my attention to which I of some attractions, which I was foolish and imprudent "I cannot describe to you, Monsieur le Docteur, the when she apprised me that she was with child, and conwhisky mixed with water, first in small quantity and mine. She openly told me so more than once. In the became by degrees more frequent and copious, especially "The new servant was young indeed, and possessed

" I cannot describe to you, Monsieur le Locceur, the state into which that unpleasant news, expected as it might have been, threw my mind. I saw that my ruin was unavoidable, whatever plan I might adopt. If I do not marry her, said I, she will make a scandal, and I shall be obliged to leave the town. If, on the other hand, I marry her, I am sure to fall into discredit, and to lose most of my pupils.

"This happened at the latter end of March, 1850. Instead of returning to better sentiments, and praying to

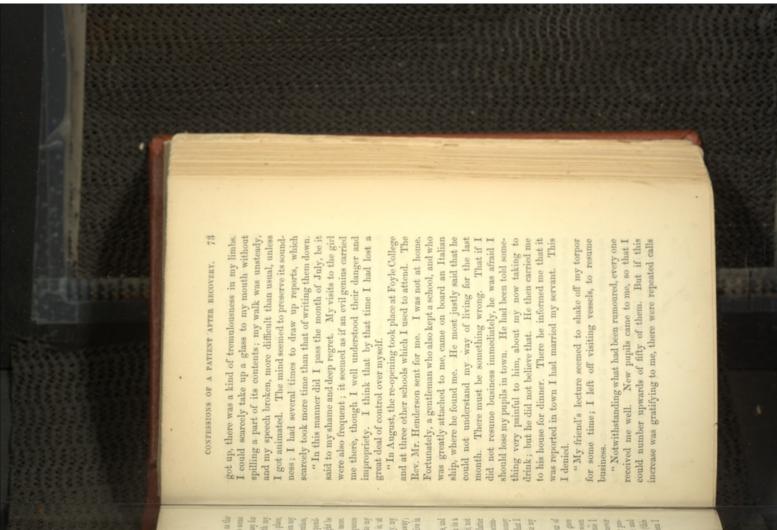


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only remedy, my willingness to send her away to some of my mind being more at ease, and attended to my everything could still be repaired, or at least the impenddistant place, until vacation, when it would be easy for dissatisfaction at her imprudent disclosures, and, as the I should have left off drinking whisky, in consequence ing danger was indefinitely removed There might be servant. Had such a plan been put into execution, me to take her to France, and to leave her with my town, &c.; or she would make everything known. she was afraid I should leave her; she wanted to live in proposal was drily rejected; she would not go away; least, what I then intended to do. Unfortunately, my daily occupations with a new courage. Such is, at vague rumours about her absence, but nothing more. but without saying a word about her having been my family, whom I should inform of what had taken place,

" I submitted in despair to her haughty wishes, and gave her money for lodgings. She hired a room in a retired part of the town, and came to live there, not alone, but with her mother and a niece, the two latter saddling themselves on my shoulders, as if one encumbrance were not sufficiently heavy. Demands of money succeeded each other with a fearful rapidity, so that I found myself quite unable, for want of cash, to take my usual trip to France.

"At that period of the year (July), the harbour of Derry received a number of French vessels, which gave me a daily opportunity of acting as interpreter between the merchants and the captains; but at the same time I neglected my private lessons, a fault which had never occurred before. Being a constant prey to sinister presentiments about the future, I used to drink wine and brandy on board, without, however, being ever sick (this fact I cannot account for); only, every morning when I



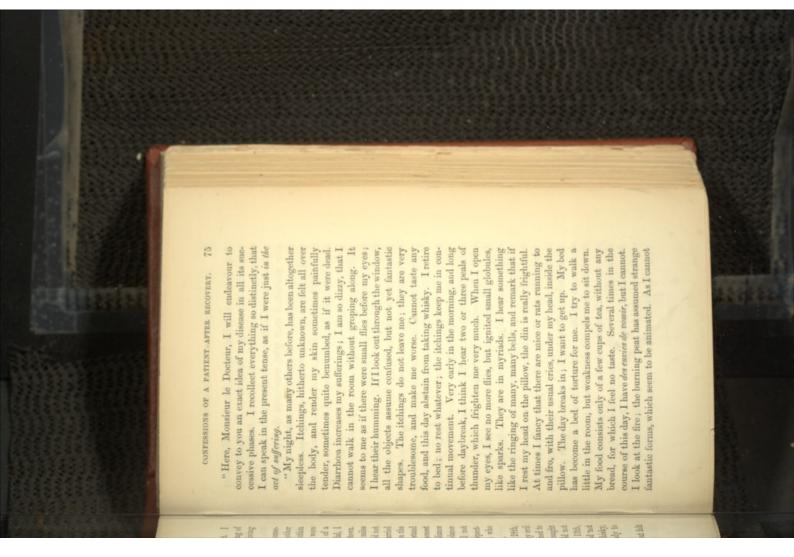
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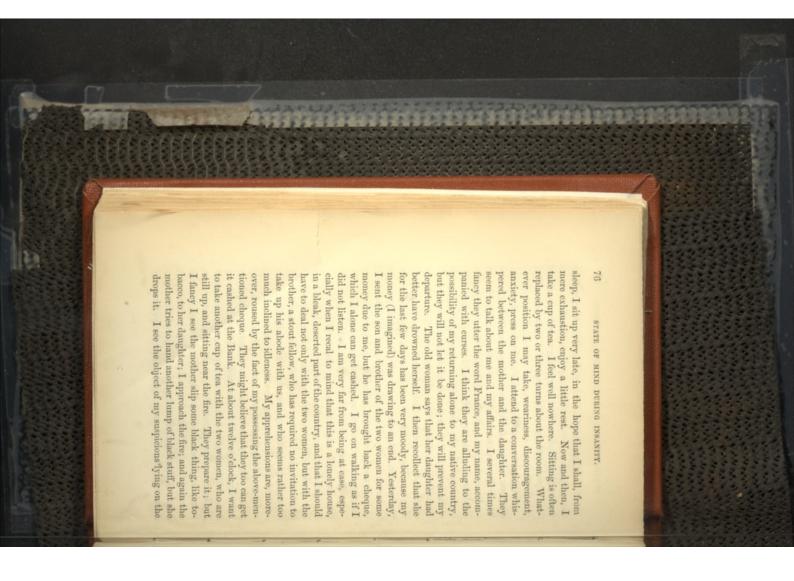
on my purse which produced a very different effect. I continued to drink, and drank the more, on thinking of the fast-approaching time when there would be a living proof of my guilt.

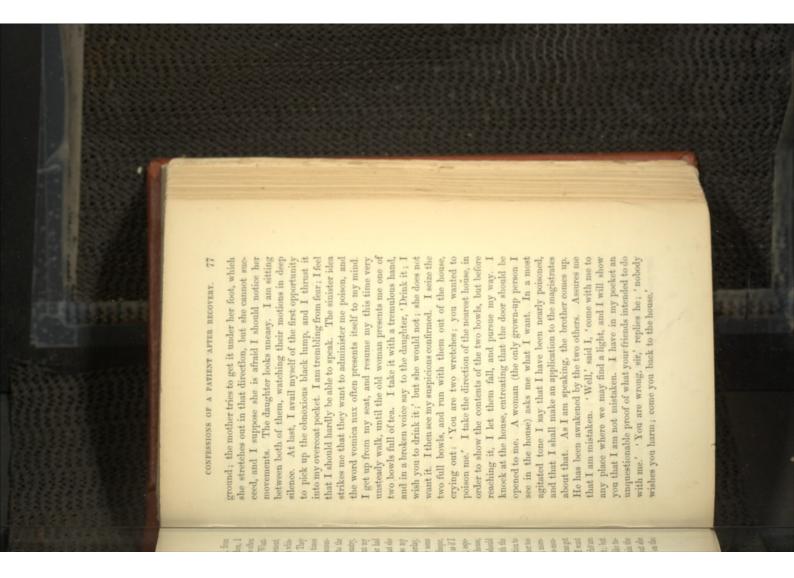
myself that I deserved it. My remaining pupils were quence, I lost my situation at college and in another subject, Mr. Henderson alone gave me to understand still in sufficient number to afford me the means of a school. would object to the continuance of my tuition there. able families whose children were at college, and who employ me any longer, on account of the many respectin his establishment, he answered that he could not with his advice would entitle me to a further attendance man. It is true that when I asked him if my compliance that it was the only means of atonement from an honest her, but out of all the persons to whom I spoke on the earnestly advised and prevailed on the girl to leave town. livelihood. In order to avoid any further scandal, I have made things worse, I would certainly have married from town. Had I thought that marriage would not I rented for her a house in the country, about four miles "Matters remained in this state until December 28th "This took place in November; as a rigorous conse-I did not repine. I acknowledged within

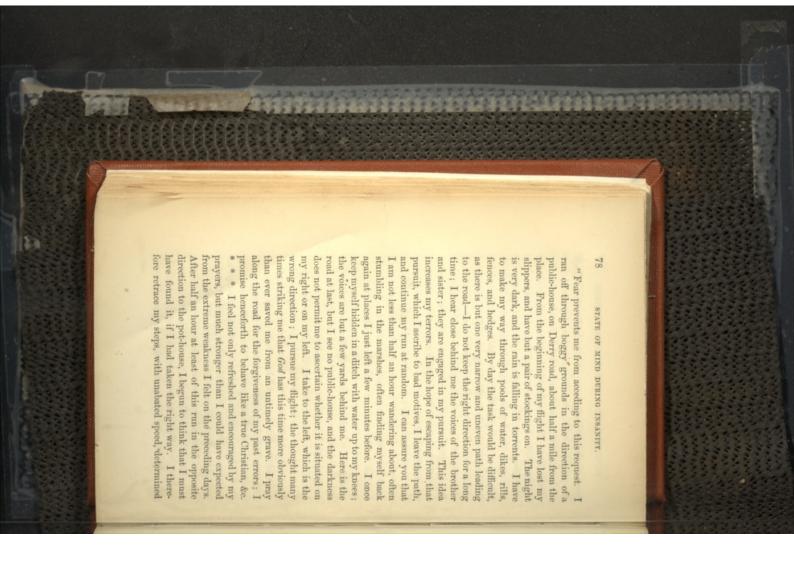
when I went out to the country (as if led by my evil spirit). Hard drinking there for several days, joined to quarrels arising from constant demands of money, brought on me sickness and such exhaustion, that I could not leave my bed. From December 28th to January 18th, when I felt the real symptoms of the disease, I did not eat one onne of bread daily. My only food was whisky, which I am sorry to say they were always ready to minister to me.

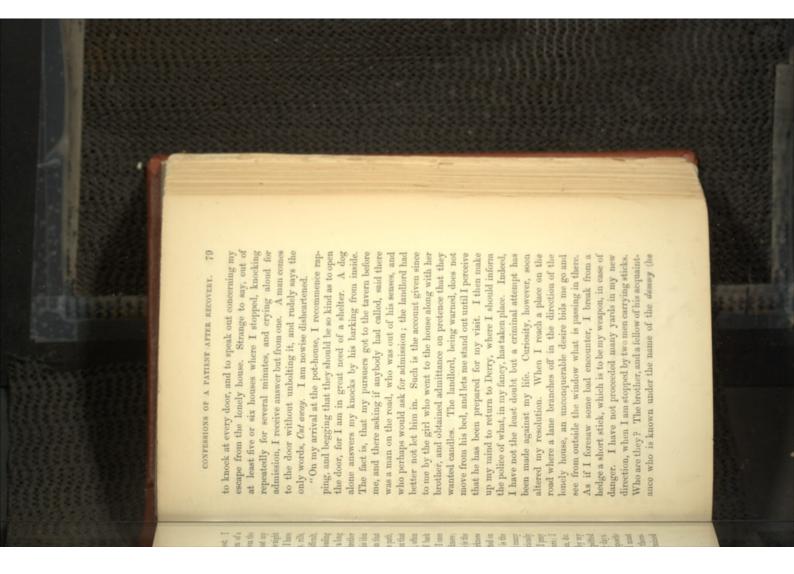
" Until the 12th, I continued extremely weak, but felt so tired of the bed, that I got up.











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was dumb). The former imperiously invites me to return to the house, where no harm is intended against me. I feel so frightened that, to show I do not wish to make any disclosures about the events of the night, I throw the black stuff out of my pocket, and, though reluctantly, follow the two men.

"When I come in, I find there the woman to whom I first applied. She appears to be on good terms with the others, and I learn that the dummy is her son. This raises my suspicions about her. She endeavours to make me understand that I am quite mistaken about what I call *poison*, it was nothing but *soda*. How far this assertion is true, I cannot say ; but cannot help thinking that *soda* is not black.

"They make me sit down and change my clothes, which are dripping wet. The brother goes out for some whisky, which, they say, will do me good. On his return from the public-house, I take a small glass mixed with water, taking previously care that it should be with water, taking previously care that it should be not feel weary at all. I look at my feet and hands, which, to my great wonder, bear not one single mark of a scratch, although I have been running for two full hours, sholeless, treading on sharp stones, and often obliged to jump over ditches or to force my way through thick thorn-hedges.

"This I consider as the greatest proof that I was guided and protected by some supernatural Being. I say so to the people, but I am by no means reassured in mind. I reflect that I am in a sinful state, without any hope of forgiveness, were I to appear now before the Supreme Judge. My fears increase in proportion as the others endeavour to prevent my escape. I fancy they are all decided to make away with my life. I entreat them to let me go; I confess that I am afraid of them, &c.



Strange visions throw my mind into great excitement; every object takes a hideous shape, and moves about. I look at the windows; diabolic faces are laughing at me. Their laughter makes me shudder. On whichever side I may turn, a chilling wind is hissing by my ears, with uncarthly shadows passing before my eyes. If I look towards the door, it is opening noiselessly, and in. I start painfully at the least noise, and utter lamentable cries. This lasts for hours, while I am sitting by the fire.

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" I am prevailed upon to retire to bed. Do not feel any better. Vainly do I shut my eyes, in the hope of avoiding the sight of everything; horrid phantoms appear amidst the darkness. I feel as if I were pricked behind with a sharp instrument. The itchings are insupportable. I am a proy to continual restlessness, mixed now and then with the cries produced by an unexpeded noise, such as the fall of a chair, or by new visions.

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"At the break of day the excitement subsides a little, and gives place to a fainting fit of short duration. For some time no new starts occur, but the confused ringing of bells continues; my sight grows very dim; I see nothing but monsters calculated to keep up my fright. Starts soon return more painful; even one of them throws me down on my knees, compelling me, as it were, to address a fervent prayer to our Lord for the pardon of my past life.

" From this day (13th) to the 27th no amelioration in my state. I look on the house as a cursed place, and remove to Derry, again followed, for my misfortune, by that family, whom I dread, in spite of all reasonings. As if their number were not sufficient, the sister had also made herself at home. I say repeatedly that I don't

62

want their presence, that there is but one whom I ought to provide for; they stick to me like harpies, and take no notice of my remonstrations. They most likely will not

go so long as there is anything to eat. drinking whisky, not so copiously as before, but yet a it to me, and advise me to take another drop whenever great deal too much. I wonder how eagerly they give order to receive his consolations ; for I do not expect to Derry, new fits of faintness : I sent for the priest, in I complain of my extreme weakness. On my arrival in shortly after returns with a doctor, to whom I explain is to be had immediately. He therefore leaves me, and come to see me, perceives at once that medical assistance live much longer. The reverend gentleman who has what I can about my complaint. The women are upcomfortable room for me; a nurse is also engaged to sit braided for having given me so much strong drink in my They take me to a respectable hotel, where they get a the place and the company, and to come alone with them. " Driven to desperation, if I take no food, I keep on present state. The two gentlemen advise me to leave

up all night in case of need. "Despite the excellent accommodation I have now obtained, I cannot enjoy one moment's rest. Besides my other sufferings, a new one came to complicate the symptoms of my disease. It is the fancy that I hear symptoms of my disease. It is the fancy that I hear ercery one in the hotel speaking ill of me, and even the dreaded family is here too. They all proffer alarming threats; they want to have my life. It is wonderful how faithfully their voices are reproduced. I would swear that mother, daughters, niece, brother, and even the infant are below stairs in the kitchen. I cannot be undeceived by the kind words of the landlady. I am even so foolish as to believe that she has given them admittance, contrary to the orders of the doctor. The CONTESSIONS OF A PATIENT AFTER RECOVERY. 83 night-nurse does not escape my distrust either. In short, I see but the faces, I hear nothing but the voices of those which, from want of other words, I shall call my persecutors. They are here, now in the kitchen exciting their hearers against me, now outside the door, in the

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of those which, from want of other words, I shall call my persecutors. They are here, now in the kitchen exciting their hearers against me, now outside the door, in the street. Cries distressing for me, such as, Stop, stop the mad dog, often fall on my ears, and cause me to spring out of the bed, and to look out either on the stairs or in the street. Such has been my daily state during the time quent visits from the priest and the doctor ; my converthen used to see everything more confusedly, and as if that I stopped at the hotel. Meanwhile I received fresation with them was always sound, so far as the girl's family was not alluded to; for in the latter case I could not believe that I was the sport of a delirious imagination. Laudanum was several times administered to me in large doses, but to no purpose; on the contrary, I am of opinion that it did me more harm than good, for I dancing before me. Unnecessary to say that appetite did not return; I had only some refreshing drinks prescribed by the medical gentleman.

" Reasons of economy, and the advice of the doctor, induce me to go to the infirmary. I am conducted there by the doctor himself, and I obtain a bed in a small quiet ward, generally used as a room for surgical operations. There are two other patients opposite myself, and the cook sleeps in a fourth bed on my left. Although restless, and umble to sleep. I have no starts, and make no noise whatever for many hours. It is two o'clock, A.M., I am wide awake. I look towards the bed on my left, and I have this painful vision.

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"I am (in imagination) in the lonely house. Sleep has overcome me. The mother lies in the other bed, on which my eyes are fixed, with the little niece, who says: 'Grannie, where is Mr. D. ?'

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84

" Grandmother. ' He is away; let me alone.'

" Child. 'Grannie, where is Mr. D.?" " Grandmother. 'Hold your tongue, he is killed, killed

dead." "This lasts for several minutes, being repeated many times. All of a sudden I hear the mother ask the girl lying beside me : 'Does he sleep ?'

"Girl, 'Yes.' "Mother. 'Well, make haste off then, have done with

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him. It is two o'clock; we shall have time to run away.'

"Girl. 'I cannot find that cursed knife. Ah! here it is, I have got it.

"Then I feel twice something like a pointed knife penetrating into my back. I utter a feeble cry, then all is silent. The mother again says: 'Well, have you done?'

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"Girl. 'Yes; he has enough. Let us get off." "And it seems as if the mother were leaving her bed, and the girl slipping cautiously from mine. At the same time I hear from outside the voices of the sister and brother, who say: 'Quick, or we shall be caught.' "They all escape, and immediately after two doctors come to examine my body, which I fancy is lying inanimate in an adjoining room. One of them says in French:--' Il est mort, it est bien mort.' The other also, in French:--' Le pouls bat-it encore? Fogons. Out

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Alors il n'est pas mort. Non, non, il n'est pas mort? "They carry me away, and another scene offers itself to my eyes. "The mother and my ex-servant are gone; they are

"The mother and my ex-servant are gone; they are superseded on the tragic theatre by the sister and brother; the latter leading the little girl by the arm, and the former holding the infant. She is looking for the knife used against me. She finds it on the edge of a small well CONFESSIONS OF A PATIENT AFTER RECOVERY. 85

but in the precipitation of her flight, my servant has Monsieur le Docteur, that my eyes are wide open) the opposite the door. It was to be thrown into the water, missed her aim. I see (for you have not forgotten, with a curse, tears his tongue out and throws him into the well. The little girl is also got rid of, because she sister stab the poor infant, and, to stille his cries, she, cries that they have killed Mr. D. and her cousin. I am so well awakened that I relate to the night-nurse particulars after particulars, as they are taking place. My sense of hearing acquires, on this night, such a degree ing by the town-clock, and every time I say, 'It is half. of quickness, that I hear every quarter of an hour strikpast two, it is a quarter to three,' &c. . . . For me these are very audible sounds, which are hardly perceptible by others.

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" A few minutes after, when I think they have all escaped, here comes the dummy's mother to fetch water; she discovers the infant's body, and cries out, *Murder!* The sister makes her appearance again. The woman accuses her of murder; a struggle ensues, the result of which is that the woman is strangled.

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" Then I hear a confused noise produced by voices, and the sound of heavy steps. It is the police. They have arrested the murderers, and bring them back. I see every one of them. There is the mother, there are the three others, handcuffed, and closely watched by the officers, who are armed with carbines, and have received the officers, who are armed with earbines, and have received the order of firing, should the prisoners attempt to escape. Now, too, the body of the woman is discovered, and I hear several voices say: 'This is really a cursed place, the house of murder.'

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"Again the scene changes. I fiel some one in my bed, who speaks to me. He says that he is my good genius; he has come to protect me from the wicked;

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of tion. My slumber is very short and agitated. I awake long time in a low voice, until I fall asleep from exhausbut I must be truly repentant. I therefore pray for a dogs, and the shrieks of geese, the croaking of frogs, nothing but the cries of sinister animals, such as wolves, under a strange sky. The fog is very thick. I hear executed on the same day. It seems to me that I am family tinued. before daybreak. Now the scene of the night is conpatients from sleeping. The nurse alone knows what very restless, but not so noisy as to prevent the other fall into unconsciousness until it is light. I have been mixed with the monotonous voice of the criers. I again I hear criers in the street announce that the -, have been sentenced to death, and are to be -, convicted of murder on the persons

my imagination has seen. other, and remain fixed on many pieces of wood, used by and white ; her hair has assumed the colour of flax ; the brother. But in what state? My good genius tells me servant again; then, on their rear, the sister and the occupied by living beings: here are the mother and my shrink from the sight, for now the top of the press is topsy-turvy on a press in a corner of the room. I first the doctors in their surgical operations, and which lie is closer to me; she is dressed as for a fete, but her head rest of her body is concealed from me. The daughter that such is the visitation of God on great criminals. exactly behind, present a disgusting aspect. The sister is nearly bald; the hair has fallen off in the space of a The mother has a cadaverous face; her eyes are sightless beside her. They both stare at me now and then, like her brow, and a candle (like a sepulchral lamp) is burning few hours. There is a large stain of blood impressed on people who look but do not see. The two others, sitting "On awaking, my eyes wander from one object to an-

87 dulum ; she is an idiot. The brother's appearance is is as pale as a corpse; her hair, too, is white, and very thin on the forehead; the lips emit a kind of sanguinolent foam ; the head performs the oscillations of a penthat of a hideous cripple; the head has decreased nearly to nothing, and would scarcely be visible, were it not for two green eyes, obstinately fixed on me, but without any significance. He reminds me of what I have read about cretinism. I forgot to say that there is a fifth actor in this tragic tableau-the young girl, with curling 'Grannie, or Auntie, where is Mr. D. ?' to which question the only answer given is: 'Hold your tongue; he is "This spectacle keeps my mind in excitement for the whole day. Visitors come in and look with wonder on those strange beings, from whom my eyes cannot be hair, neatly clothed, leaning sometimes on her grandmother, sometimes on heraunt, and repeating at intervals: Those visitors say-'It is strange-very strange indeed !' In order to escape from the frightful sight, I once run out of the room. The doctor, who happens to be in the next ward, brings me back, but cannot persuade me that I am mistaken. At another time, I fancy that an iron bar, placed to support a curtain ead, which burns all my body. The same imaginary tube is sometimes turned against the family, and seems to produce on them the same effect as on myself. Again, I think I hear the voice of a gentleman, the head man of He is upbraiding the doctor, in most unbecoming terms, for having given me admittance, while there are so many poor Irish dying out for want of medical cares and of bread. A quarrel and a fight ensue, the result of which is, that the doctor is shot dead. I hear the report of the above my feet, pours on me something whitish, like melted the committee, who visited the wards a few hours ago. CONFESSIONS OF A PATIENT AFTER RECOVERY. away, he is dead, killed dead.' removed.

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can no longer move: my breathing is even greatly imoff again, at the risk of killing myself in rolling down I am dragged from under it by a day nurse; then I run jump from my bed, and conceal myself under another. imagine that he is ascending the stairs to kill me; I murderer. Before the arrival of the police, I once police, who, after much delay, arrive and capture the pistol, and the cries of many persons calling for the waistcoat is resorted to. They fasten me so tight that I on my part; for I am afraid of new visions. The strait up again to the room, not without an obstinate struggle the stairs. I am caught at the bottom. They carry me mobility, and join in infernal fits of laughter. see the unavoidable figures from the press quit their impeded by a leather strap pressing on my chest. Night has come; I begin to utter cries of distress, because I

"Exhaustion again delivers me from consciousness. I am aroused from my torpor by the endeavours of the attendants to make me swallow some medicine. The idea immediately strikes me that the potion forced into my mouth is poison, and I spit it out. No more rest during the night. My eyes emit sparks of fire which fill the room. My persecutors are still there; no longer fill the press, however, except the brother, who has on the press, however, except the brother, who has resumed his natural form, and seems ready to spring on me. They are lying in the other beds; there seems to me as if an electric thread were carrying to them my immost thoughts, which they repeat aloud. On the other hand, I ean get, through the same imaginary thread, a knowledge of their designs against me.

" My good genius has not left me; he bids me look for strength in a sincere prayer, and pours on my enemies the same white fluid already mentioned. It is directed from my side to the places they occupy, and instantly reduces them to silence. From time to time,

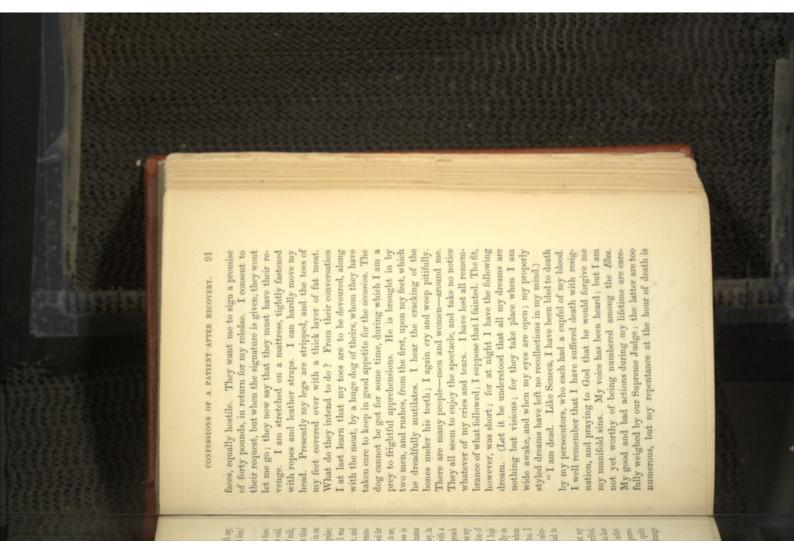
joins with my persecutors, whom he also excites to show no mercy and to take no heed of my cries, as there is the voice of my brother-in-law. I wonder that he has ble state. I implore his assistance; I entreat him, in the name of my sister and of our former friendship, to deliver me ; but he laughs at my supplications, and even 89 smoke, at intervals chased out, through the door, by a is opened, I am afraid we will soon be blown up, if she does not put out the gas; she answers that there is no occasion for it, as we are in no danger, and I had better glaring eyes, on the bolster; I pray for a long time; the head disappears. I am a little refreshed, but cannot I am no longer an inmate of the infirmary. I am kept a prisoner by my persecutors in a small house, where they endeavour to smother me by shutting the door, and The to great sufferings, and scarcely able to breathe, I hear from the street a voice, which I immediately know to be come from Paris to Ireland. He answers that he has come with my sister for the purpose of settling as a French teacher. I turn then his attention to my present miseranobody at hand to hear. I hear him walking up and also, when I pray without fervour, or when I entertain any doubt about my good genius' power, the shower is directed to my head. This has the effect of fire; it burns my body all over so sorely that I cannot help "The heat is oppressive; the room is full of a reddish blast of wind. I tell the nurse that, although the door sleep, as if sleep were to come at my command. In my restlessness, I fancy that there is the head of a wolf, with sleep. My mind soon turns to other fantastic thoughts. mother and sister are more implacable than the others, and appear to enjoy my torments. Whilst I am a prey turned against me, from the iron bar, and especially lighting a fire of straw in the middle of the room. CONFESSIONS OF A PATIENT APTER RECOVERY. Crynng. A Company of the second re the sector of the last of the sector of t

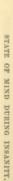
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down the street; he is with my sister; they both say, repeatedly—'Il est perdu, il n'est pas perdu. Ek bien ! Oui, il est perdu. Tant pis pour lui?

that I would take no laudanum. He kindly remonnoisy, speaking about dangers, praying aloud, &c., and asks if I could sleep last night. He is told that I was the tortures inflicted on me by my enemies. I look my helplessness, ill-treat me, threaten me now with a have a rough way of discharging their duty. They, in and he also knew me very well, as I used to give lessons in strates with me, saying that everything is prescribed for and place a jar of hot water at my feet. I remain thus I complain to the nurse. They give me a drink of milk, my prayers alone can drive away. Their drugs, too, I delirious imagination sees nothing but a continuation of stick, now with the red-hot poker, which they approach my good. (That medical gentleman was well known to me, his round. He inquires of my state ; feels my pulse; quiet, and as if prostrated, until the doctor comes in on My lips are parched from crying; my feet are now cold accept of nothing, except water or milk. lated to soil my soul. I have made up my mind to consider as being made by an evil hand, and only calcuthe infirmier, as people under the power of Satan, whom upon the night-nurse, the day-nurse, and especially on to my mouth. In these ill-treatments and menaces my French to his family.) Unfortunately, the subordinates " At daybreak the visions disappear for a little time

" In the course of the day, I come to think that my mother is dead, and that my eldest sister has arrived, and wants to see me. She stops with my brother-in-law and my other sister; but she cannot obtain any information about the place where I am kept. My perseeutors re-appear; I find myself in another house, quite unknown to me. Besides the family, there are strange





92

taken into consideration. According to my belief, as a Roman Catholic, I am doomed to pass a certain lapse of time in purgatory. My murderers have already been overtaken and struck by the justice of men. They did not repent; they are damned for eternity.

"In atonement for my sins on earth, and before I may obtain the kingdom of heaven, I must be put to the test, and tempted by the informal Powers for several hours every night. I am, therefore, carried into the dominions of Satam, who endeavours, by a display of magic operations, to show me that his *puissance* is too great to be resisted successfully, and that sooner or later I shall give way. He also tries to persuade me that he can make me more happy than I am in purgatory. He points to a number of his subjects, among whom I recognise my persecutors, who seem to enjoy their present position. " For the first time, I feel an invincible courage with-

in myself. I firmly answer that I despise him, his conceal many objects from my sight, and to stifle me. gloomy appearance; it is vaulted like a cellar; a sulhis dark kingdom. tance, I fear nothing, and may defy all the monsters in threats, and his promises, and that, with my God's assisthat this is nothing compared with what I saw many a time when I attended theatres. Now and then, if I phuric smoke comes out of the fire-place, so thick as to himself, dare to touch me while I am praying. On the forgotten, together with Glory be, &c.; or I sign myself language I know, our Lord's Prayer, which I had nearly I therefore repeat uninterruptedly, aloud, and in any ful, I am, as it were, inspired to have recourse to prayer. monsters, at all of which I now laugh fearlessly, saying The walls are covered over with grimacing, horrid perceive that the attacks made against me are too power-I remark that no one of the devil's attendants, or even The room then assumes a more

CONFESSIONS OF A PATIENT AFTER RECOVERY, 93 contrary, they seem to suffer a great deal inwardly, and slink away, in uttering curses; but they return to the charge as soon as I leave off praying. After a long, a in the other beds. They say that it is a shame. I am sleeping with the devil. They see his long flat feet very long struggle, I grow weaker and weaker; I can hardly speak for want of a drop of water, which I would not, however, accept from unholy hands. I am smothered; perspiration flows down my cheeks; my strength is exhausted; the evil spirits profit by my prostration ; I feel crawling about me, and on me, repulsive reptiles or animals, such as serpents, toads, frogs, rats, mice, &c. There are myriads of them. Their size is so large that I must see them through a microscopic glass. Here my good angel comes to my deliverance. "I have slept until eight o'clock-three or four hours, I should think. My head is clearer; I am not so restless; the noise in my ears is lighter. The two other patients tell me that I had a very bad night. My eyes spoke sometimes in Latin, sometimes in English, but "The doctor comes in, and finds that my pulse is less agitated. Notwithstanding the nurse's report about my excitement of last night, he orders that I should be free in roies are taken off. No visions until night, when I fancy that Satan himself is lying by my side. I also imagine that my persecutors have resumed their places hanging out of the bed, and from which I try in vain to were rolling in their sockets, like those of a madman. mostly in an unknown language. The night-nurse wanted to make me drink, but I could not, even with the assistance of the cook (man). It was fortunate that my movements. The strait waistcoat and other cour-I was very noisy. I seemed to fight for a long time. 1 I am carried back to purgatory. Now I fall asleep. I could not stir.

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disentangle mine. In my opinion, Satan has taken the shape of a wolf. His head is remarkable by two short horns. The whole of the body, with the exception of the two feet, which, are as cold as ice, is covered with long yellow hairs, emitting a most nauseous smell. He again speaks to me in a threatening manner. I do not listen to him. My only answer is, that I no longer fear his power, because God is my protector. Then I commence to pray, sometimes in a low voice, sometimes aloud, but always composedly, as if I felt quite safe. I still hear the once dreaded voices; but reason seems to have returned—she tells me not to trust sounds.

"This was, Monsieur le Docteur, the third night I had visions since my admission into the infirmary; it was also the last one. From that time the visions completely vennished. It is true that I was still very far from being restored to health. My sight was greatly impaired for some more days. My appetite did not return all at once, but by degrees, and accompanied by a good sound sleep. I here must acknowledge that nothing was spared by the medical gentlemen which was likely to accelerate my complete guérison. They told me I had been very ill; and indeed I think they entertained very little hope of my recovery. I left the infirmary, when I asked for my dismissal, towards the 20th of February.

" On my return to town, I felt much more inclined to live as a Christian. I could not help believing that all the events, either real or imaginary, had taken place through God's will for my conversion. My first care was to consult the priest, and to take his advice about marrying the girl, notwithstanding my gloomy recollections concerning herself and her family. The reverend gentleman owned that the connexion was altogether unsuitable, that it was a great pity, &c. But I had a great sin to expiate. Marriage had become a necessity. 05 "We were therefore married, although I had forgotten was very much like a man who clings to any plank of from any strong drink, and should have most likely been out any means of a livelihood, had taken up lodgings in My books, together with some furniture, were left to my ess my intention to discharge my duty as a husband as soon as Providence is pleased to give me the means. nothing. I first wanted to quiet my conscience, and In conseowered my usual charge, thus hoping that many pupils would avail themselves of it to learn French. My business was resumed without any loss of time. I abstained enabled to maintain my little family, had not my wife been badly advised by her friends, who did not dare to "For reasons I cannot explain to myself, they, with-Derry. I found her several times, when she returned from those visits, in a state bordering on intoxication. I then saw that the fruit of my labours was again going the wrong way. I got discouraged-disgusted with life. I drank again, lost my appetite, experienced new fits of faintness (no visions), accompanied by diarrhora, and finally by want of sleep. My little money being gone, the pawn-office was resorted to; my watch and clothes were engaged, piece after piece, until Then I saw that my only resource was to risk my return to France, after gathering up two or three pounds remaining due to me for tuition. wife, who, it was agreed, would try to live with her family until I should be able to get a situation, after my recovery, either in France or in England. She did not ook much annoyed at my departure; but it is not the I would now work for her and the child much more than quence of my new connexion, now openly known, I CONFESSIONS OF A PATIENT AFTER RECOVERY. for myself. May this also be a lesson to her ! safety, however rotten, to avoid drowning. come to my house, but whom she visited. there was nothing left. at the ad 出 11.1 the of 旧 -晋 I 曾 志 臣臣 20 日間 夏 日星 高 自習

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"Having described what I call the first period of my disease, I will now give an account of the second. When I left Derry, I had kept my room for two or three weeks, being unable to go on with my lessons, though the soundness of my mind was not once impaired again there, but from mere exhaustion. I resume my diary :--

or two pints of porter. I feel very, very weak. For nation, after a walk of more than three hours. The mation is very conflicting. At last I reach my destiinquire of many persons about my way. Their infor-I want to apply at a relation's temporary residence. I exceedingly depressed in mind, and wearied all over ings from vomitings. My stomach being empty, I exthan I expected. In the carriage I endure great sufferto get home sooner ; there I have to pay 4s. 6d. more impossibility of proceeding, I take the mail-train, in order fear of being taken sick on my journey, and placed in the during the passage; very feverish; suffering much from steerage: could not eat; drank the whisky; no sleep a little bottle of whisky. For saving expenses, took the arrived in London, with about 10s. in my pocket. I am more sleep than on the preceding night. On the 28th pectorate nothing but bile. I can hardly sit up. diarrhoa. Arrived at Liverpool, 27th ; no food, but one to Paris three weeks ago. people of the house answer me, that my cousin returned "Left Ireland on the 26th of June, with some cakes and No

"This sad announcement adds, if possible, to my despondency. There is my last hope gone, as to the possibility of getting home without a stoppage on my way. I can, however, through great economy in my expenses of the day, manage to save *eight* shillings for my passage to-morrow, on board the Boulogne steam-boat. Once in Boulogne, I shall at least be in France, and, as I carry

26 about me my passport, my degree of A.B., with a great number of excellent testimonials, I may hope to interest "I continue my walk for many hours, now and then ginger-beer, when I feel too thirsty; but I do not taste stepping into a public-house to take a glass of ale, or fatigue, and hardly able to stand up, I very seldom stop for a few minutes' rest. I feel that stopping is still the authorities in my favour, and to obtain from them any more substantial nourishment. It seems as if my stomach could not digest it. Though broken down with worse than walking ; because the absence of objects conmakes it a more easy prey to thoughts of despair. I therefore go on, unconscious and unmindful of the direction I may take. In a narrow and dark-looking passage stantly renewing deprives my mind of diversion, and through which I wander, a few French words fall on my Being anxious to get a modest bed-room for the night, and in the hope that the man can give me some inforears; I turn round, and find that they come from a man, in a small stall, who sells cheap ices at one penny each. mation about it, I enter the stall and ask for an ice, then I beg the permission of sitting on a chair; for, said The ice-dealer gives me a chair ; he then inquires of me if I am a foreigner ; on my affirmative answer, he says well. He was there for several years. I perceive that he does not speak English, or at least pretends not to class, and of little prepossessing appearance, come in and ask for an ice. Some appear to be acquainted with I, I have been walking a great deal, and feel very tired. Italian. A great many customers, mostly of the poorer the man, although he has just told me that he comknow it. I see in the stall two grown-up boys employed as assistants, and with whom the Swiss converses in bad that he is a native of Switzerland, but knows France very CONFESSIONS OF A PATIENT AFTER RECOVERT. н the means of proceeding on my journey.

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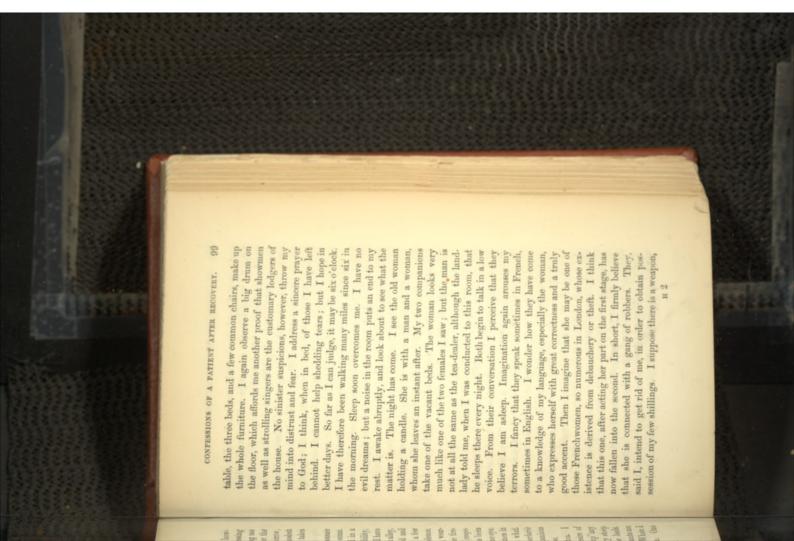
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86

menced business this very morning. No suspicions, however, strike my mind. I frankly confess my distressing state; I should be very much obliged by his taking me to a lodging-house where I may obtain a bed for the might; I want to take the Boulogue steamer to-morrow, and I have just enough for a bed, in a very modest lodging-house. The Swiss, after much musing, takes me to a place where, he said, I shall be well.

set my foot in the house than I wish I had never come. neighbourhood which can have no claim to respectability, ing moustaches, and smoking a clay pipe by the fireup to a kitchen on the first story. The landlord and met on my way. I am conducted, through a dark alley, from the number of rags and repulsive individuals I have This is a most miserable-looking place, situated in a jarret. His wife is an old woman whose face has been The former is a tall, lean fellow, about fifty years, wear-Italian words, are not likely to restore me to confidence. landlady to whom I am handed by the Swiss, in a few greatly injured by the small-pox and the loss of one eye. place. Were I in France, I would take him for a coupe-"Despite his assertions, however, I have no sconer I shall have for the night, if I have nothing worse. and grosses causes let me guess the kind of companions the kitchen engaged about I do not recollect what I find her very ugly. There are two young women in They certainly have bold looks. Several orgues de barbarie -

"The old woman invites me to take a cup of tea. I decline accepting of anything, and express my desire of retiring to rest immediately, for I cannot sit up any longer, from weariness. She leads me up a very steep and dirty staircase to a room containing three beds. One of them I may have. Before leaving, she wants me to pay in advance the usual charge,—sixpence. When I ind myself alone, I take a survey of the place. One



100

such as a dagger or a sword, concealed under their bolster. They seem to encourage each other in their murderous design. '*How much has he got*?' asks the man.' Only eight or nine shillings,' answers the woman. '*H* is a poor job; but we must get it.' Moreover, there are my clothes, with a small parcel in which they will perhaps find something better. After much arguings they at last agree to wait for the arrival of other friends who are to sleep in the third bed.

"Such is now the state of my mind, that I would swear my life is actually in danger. I pretend to awake suddenly; I don't appear to have overheard any part of their conversation. I cough, and often complain of weariness. I keep myself in constant fidgeting, as if it were quite impossible for me to sleep any more. I thus hope to deter them from their criminal intentions, and, indeed, I hear them uttering curses and imprecations because I do not sleep again.

coarse jokes, or singing and disputing. Decidedly, this below. Many people, males and females, are uttering argot (slang). The girl stops at the door of our room, is not a respectable house. I feel more afraid than ever. a language unknown to me. This fact increases my and shows her two companions into it. Owing to dark-English that I cannot understand. I suppose it is all, except myself, they bid one another good night ; but fears. Should I be sleepy, I feel that I must not sleep into conversation with the man and woman, but they use is very tall, and the other of middle size. They enter distinguished. What I can perceive is, that one of them ness, the countenances of the new comers are not to be Two men come upstairs with a girl. They talk such talk has been going on in a low whisper between them because I am not in a safe place for rest. After a long "At a late hour in the night, there is a great noise I observe that they remain wide awake. I move about duced by the fall of a piece of furniture, or by the rolling but never all together. There is but one snoring at to show them that I am not asleep either. They appear to be much disappointed, and utter frightful oaths. At times, there is a noise from the story above, as if proof a bowl. Voices from outside the door address my companions, urging them to have done, because the night once, and each differently from the others. They alternate. I moreover remark that the noise from outside takes place when there is no snoring at all. Again, the bility, that I am asleep. I come to the conclusion that noise on my part, will stab me in the bed. I hear that is far advanced. I remark that these pretend to snore, said snoring ceases when they imagine, from my immothey have agreed to lay hands on me during my sleep. They will smother me with the bolster, and, in case of a it will not require much time for them to dig up a grave

The silence of the night is suddenly interrupted. People assassinat de Fualdes which occurred in the South of "I give myself up as lost. I pray that the day may in the street-men and women-raise their voices to a stunning pitch. They swear, sing, laugh, and dance. They shout out that it is quite time that the cat should be bled. Then a mourning-tune (un air de dewil) is sent forth from an orgue de barbarie, and brings to my bewildered mind a most sinister recollection-the horrible France some thirty years ago, and during the perpetration of which, an accomplice to the murderess was engaged playing airs on an orgue de barbarie, in order to keep the But the night is still far from being at its end A clock from a neighbouring church strikes every hour. It has just struck one. It seems as if it were a signal. attention of the passers-by from the sanglant theatre. in the yard. come.

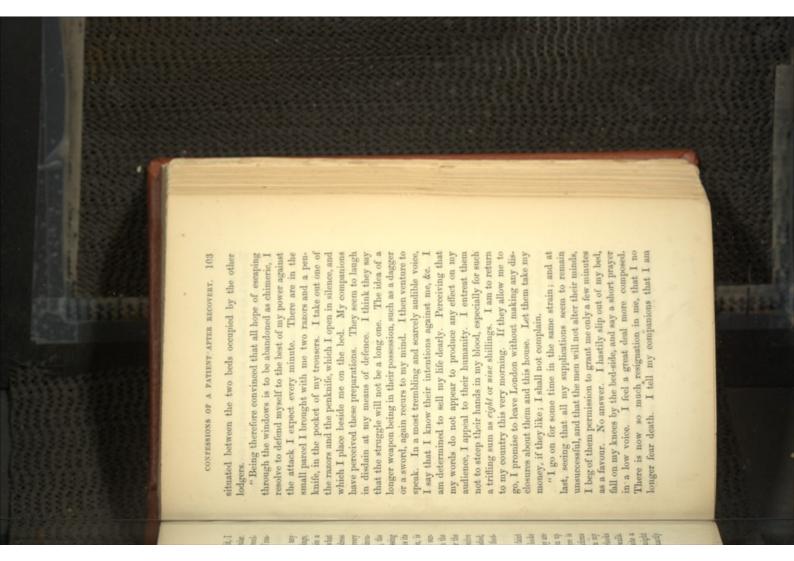
CONFESSIONS OF A PATIENT AFTER RECOVERY. 101

102

Though many years have passed since I read of it, I ean now remember the most insignificant particular. My memory serves me but too well, for such recollections make me the more uneasy and incapable of rea-

accompaniment, I hear, on all sides, howlings, barkings, rattling of a cart, like a tumbril, passing and repassing whistlings. It seems that all places around contain a soming. steps have died away. " My mind is thus tortured until daybreak. A faint approach of heavy footsteps is heard, the gang receive made to drown any cries on my part. I am first surquota to that infernal concert, which, in my opinion, is at a furious speed over rough, hard stones, contributes its riable answer,-There's no go. At intervals, too, the time the latter, however, reluctantly give the same invathe individuals in the room to make haste; but every is to be done with me. Rude, angry voices often address swarm of ferocious animals, who are well aware of what to be continued as soon as the sounds of the said footinformation of it, and the noise is immediately hushed, disturbance. But I soon observe that whenever the prised that there is no night-watch to put a stop to the "As if the boisterous scene in the street wanted any

⁶ My mind is thus tortured until daybreak. A faint hope penetrates into my heart. I cast stealthy looks about me. My companions do not sleep, for they are very restless. I suppose they have not yet given up their bad designs. I then examine carefully if there is no means of escape. Unfortunately, my *exemus* confirms the worst suspicions in reference to the house. On my right, the window is secured by iron bars, and overlooks a small, dirty yard, surrounded by nothing but walls. My eyes turn to the other window, which is opposite a red tile roof, and so close to it, that I imagine I might jump out on that roof, were not the window exactly

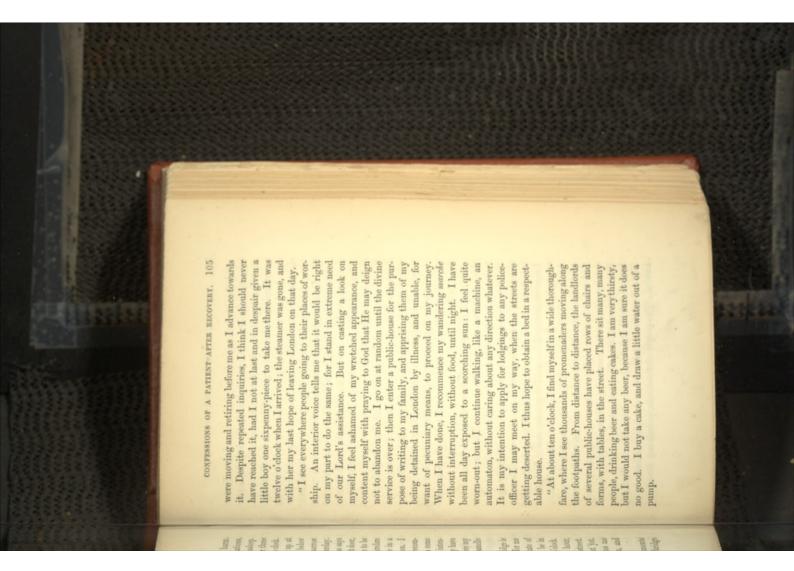


104

and accedes to my request, when I express a desire to be tion of ever using them as I was directed. They have mend the house to my friends, should any of them come forgot to mention that he handed me two cards, to recomwide street, saying that I have only to go straight on. I put in my right way to London-bridge. He therefore (an Italian). being brought here. The landlord's name is Cassanello to London. Those cards I took, but without any intenaccompanies me for some minutes, and leaves me in a he is the landlord's son. He takes me to the street door, staircase. I find myself in the kitchen I saw yesterday. My guide is the tall man I remarked last night; he says are not open. He leads me down the steep and narrow the same time as I do, because, says he, the doors below my terrors are gone. Let them strike me while asleep. ready; they this time say that they wish me no harm been taken from me at the house where I was before my The other men are still in bed; one of them gets up at hours' rest, until seven o'clock strikes by the church clock. Though I do not believe in their friendly protestations, This reflection does not prevent my taking two or three

"I have been told by my guide that London-bridge is about a good mile off, and that the shortest way for me is to keep straight on. I therefore forget my state of exhaustion, and walk at a brisk pace in order to be in time for the steamboat which is to sail at nine o'clock. I have already proceeded for not less than one hour, taking great care to follow the same endless street. There is, however, no London-bridge within sight yet. I venture to ask a policeman about it. He informs me that I am *three miles* at least from my destination, and points to another direction as the right one.

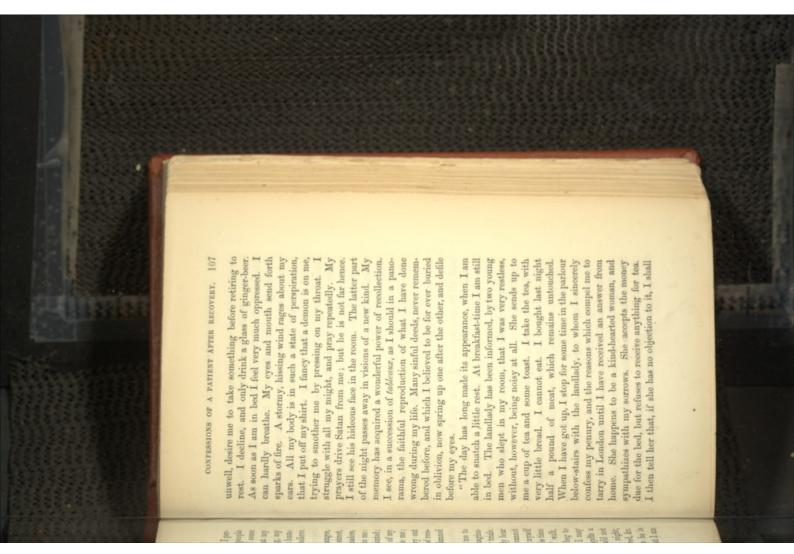
"On this day, Sunday, 29th of June, disappointments succeed disappointments. It seems as if Lordon-bridge

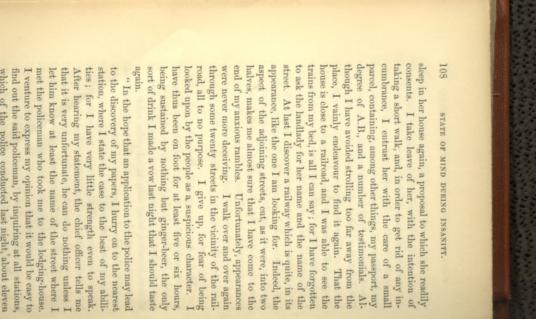


"I then resume my walk for one hour perhaps; I perecive that the streets are not so thickly filled with people accommodation for the night. Were it not that my step is more unsteady, my voice more trembling, my sight weaker, and my hearing subject to a constant humming. I feel nothing which may induce me to believe that I am worse than I was this morning.

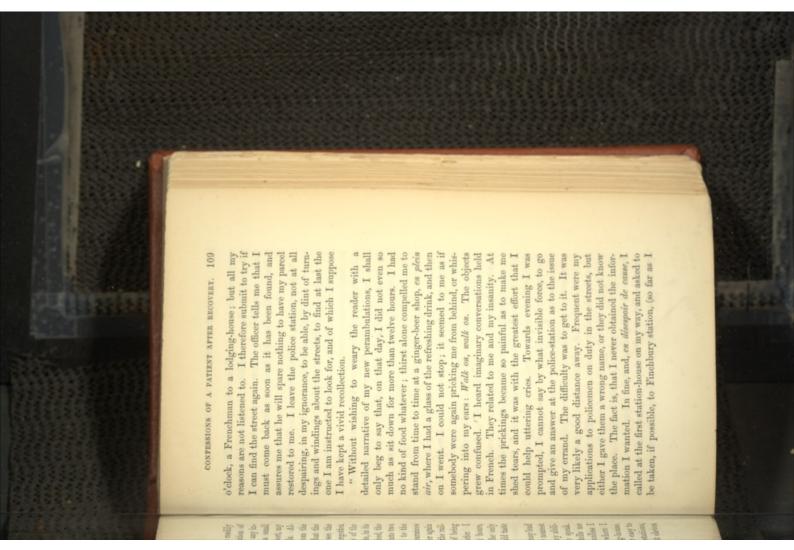
"Presently, and all of a sudden, the real scene changes, so far as people are concerned. This is the same street, indeed, with the same buildings; but the promenaders, the women especially, are no longer strangers to me: they have assumed forms with which I am acquainted; I shudder on recognising in two females the faces of my wife and her sister passing and repassing beside me; they are langhing a diabolical langhter; they cry out that I am *mad—yes, mad, and this time mad beyond recovery.* I shall die the death of a brute; I shall be dammed for eternity.

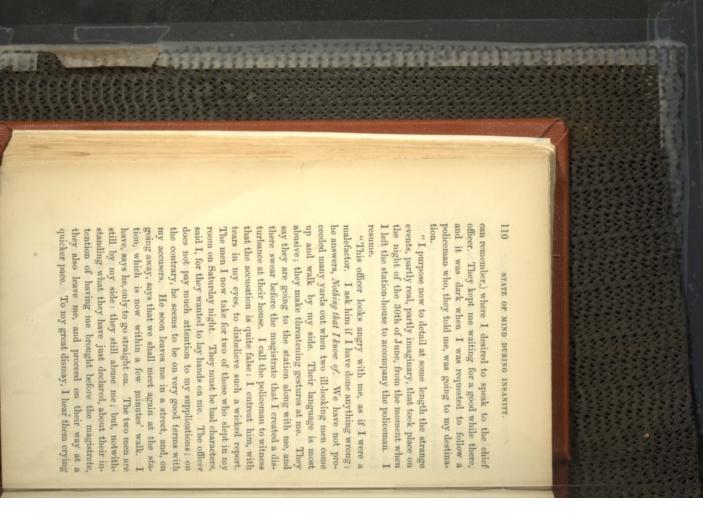
think that I am again the sport of a delirious imaginato apply to a policeman. After some minutes' walk, help being more and more excited, and in spite of myself tion, and that I am destined to suffer under new trials. known. The people of the house, perceiving that I am because I think it is a bad one. I am ill, very tired, &c. like to return to the same house I slept in last night, stranger in London; arrived yesterday, but would not find a bed for the night. I am a foreigner, quite a conduct me to a decent lodging-house, in which I may during which I get no relief, I find one whom I beg to I answer those menaces as if they were real. It is time about me, I wont believe, but at the same time I cannot Notwithstanding the unceasing threats I distinctly hear The officer kindly takes me to a place where he is "There is just enough présence d'esprit left in me to





which of the police conducted last night," about eleven





CONFESSIONS OF A PATIENT AFTER RECOVERY. 111

speaking with compassion, others asserting that he aloud-Here is the madman coming. . . . Here is the madman. This appears to be un mot d'ordre for every one. The two men are certainly new enemies. They try to set all London against me. Indeed, everybody is standing at his door, laughing at the madman; some ought to be locked up for the safety of all.

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tance, as if to invite the people who are in doors to " The unavoidable cry is repeated from distance to discannot understand how people may be so easily imposed upon by a set of slanderers, and thus rise up against one who does not remember having done any harm. I feel that resistance on my part would be great folly; my therefore, thinking it useless, throw the walking-stick make haste and look out, for there is the madman. only resource is to suffer with new resignation. which I carry over a wall I pass by.

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"I now go on in a slow, quiet pace, with my hands in swear to the reality of whatever I hear about me, there is in me an invisible adviser who commands me to bear however, I cannot help exclaiming: Je vous reconnais mais je ne vous crains pas; je vous défle; car je suis sur my pockets. I am entirely composed. Though I would Once, thirst obliges me to enter a tavern for a glass of the bar-room ; I imagine they speak of me, for I have viour towards a helpless foreigner, who is only guilty of being poor. They politely answer, that I am under bien là, M. Diavolo; encore un de vos tours contre moi; ginger-beer. There are three men sitting on a bench in tion. I then apologize for my blunder, and walk away up in silence against any kind of abuse. Sometimes, que le bon Dieu est pour moi,-and many like sentences. caught the word madman. I complain of their behamistake. I am not at all the subject of their conversawith the conviction that every one has been roused

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against me. A little further on, I feel inclined to buy a penny loaf; but it seems as if all the bakers' shops were now closing on purpose, and that no one will sell me the food I am in need of. This universal bad feeling I ascribe to Satan's power; but I have full confidence in God,—I pray on fervently, being assured that I shall not be abandoned. How long did my walk last, through hundreds of streets, it is difficult to say exactly. Most of the shops had already been shut for a long time; the thoroughfares are no longer crowded with promenaders. It is very late. How is it that I am neither weary, nor cold, nor hungry? To these questions I know on on other answer than that I am under the provide the street of the stre

my *Passion*. There is a master whom I knew at Foyle College. He passes by without speaking. There is my of mine. They have come to be present on what I call his voice exciting every one to throw me into the river. I defy all in a loud tone; but at the same time, I There he is again. He wont leave me ; he says he has well. He has a brown overcoat on, and smokes a cigar. brother-in-law, whom I have just passed. I know him the care of Divine Providence. Satan has got his soul, he must likewise get mine. also feel much surprised at his uttering filthy words, wonder what interest my brother-in-law has in my come to have done with me at last. I presently hear habit. He is extremely excited. He says, that since mixed with oaths and blasphemies. death-what benefit he is likely to derive from it. 1 " I meet many persons whom I take for acquaintances " On my side, the excitement becomes greater ; I speak This was not his

Satan has got his soul, he must likewise get mine. "On my side, the excitement becomes greater; I speak aloud to the erowd. The meaning of my speech being, that I fear nobody; that God is with me; that I am proud of having returned to better sentiments. I feel quite able to fight against Satan himself, because I am CONFESSIONS OF THE INSANE AFTER RECOVERY. 113

assured that I shall have an all-powerful assistant, already made manifest by the total absence of fatigue, fear, and want of food.

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"Whilst I am talking in this strain, my eyes fall on a (Water had probably been hide. It is the devil's skin. I am told that my prayers damp place in the street or lane. The said place is spilt there.) I fancy that it has the shape of a large multitude around me. Fortunately my harangue is in trample on his remains, and only leave off to address the but they well enough perceive that I am not all right. A public-house is hard by, in which I hear music and songs. The airs are French. They are interrupted only they must have my life, because he is sure I am not yet and my faith have triumphed over Satan. I repeatedly French. They perhaps do not understand what I say; by the voice of my brother-in-law, who exclaims that in a proper state for salvation. A young man comes out of the tavern (I perfectly recollect this incident), and because, said I, Ishave promised to my God henceforth offers me a glass of porter, which I decline to accept, to abstain from fermented drinks. much darker than the rest.

⁶⁶ Some others among the crowd are not so kindly disposed in my favour. They would perhaps handle me somewhat rudely for my incomprehended discourse, were it not for the timely interference of a policeman, who has doubtless been enabled to perceive that if noisy, I am not a dangerous character. In answer to his questions, I inform him that I am the sport of the infernal *puiseance*, who want to get possession of my soul, and who have caused me to be hunded down in this city like a malefactor, a madman. The officer shows me much kindness. He endeavours to prove that I have nothing to far, i he sees that I am a strunger, and would the less on that account let me be insulted. I then say that I an that account let me be insulted. I then say that I and the insulted.

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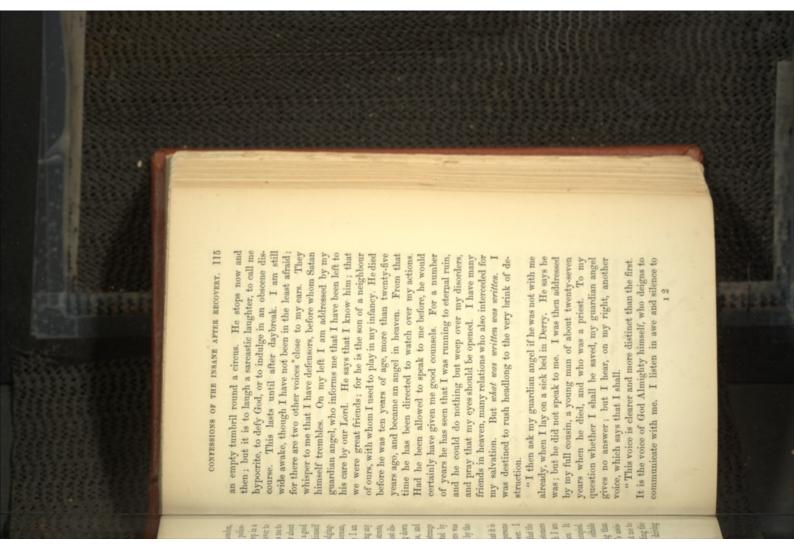
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man asks me if I should have no objection to sleep in a but with money enough to pay for a bed. The policeam homeless, without one single acquaintance in London any place in which I may pass the night, he takes me to poor-house. On my reply that I have none whatever to seemed to be produced by silver bells. Another strange particular, the sky appeared to be illuminated by from above. The sound was sweet, harmonious, and tinctly heard again a ringing of bells, as if coming down and especially whilst in the police station, I most disfurther, I shall here state that several times in the streets, recommended to the landlord. Before proceeding any who has brought me to a decent place, where I am house. I am, therefore, conducted by the policeman, to send me to the poor-house ; I must sleep in a lodgingaccueil; but the chief officer cannot take upon himself what is to be done with me. Here, too, I receive a good the station, to communicate with the chief officer about now and then something like the noise created by the immense and innumerable round lamps, while there was fall of hailstones.

"I ask what o'clock it is. They inform me that it is nearly one. This is an eating-house, for many persons are at table, taking some food or a glass of beer. I should believe that they are carriers. I am told that the house keeps open all night, on account of the customers conducted is very spacious, and of neat appearance. It contains five beds, three of which are already occupied. I am scarcely in mine when I hear again from outside the voice of my brother-in-law more threatening than ever. He will not let me sleep. With Satan's assistance, he will get into the room; he will torment me to death. Then I fancy that he is in the yard, creating the same rattling noise as I heard once, by furiously driving

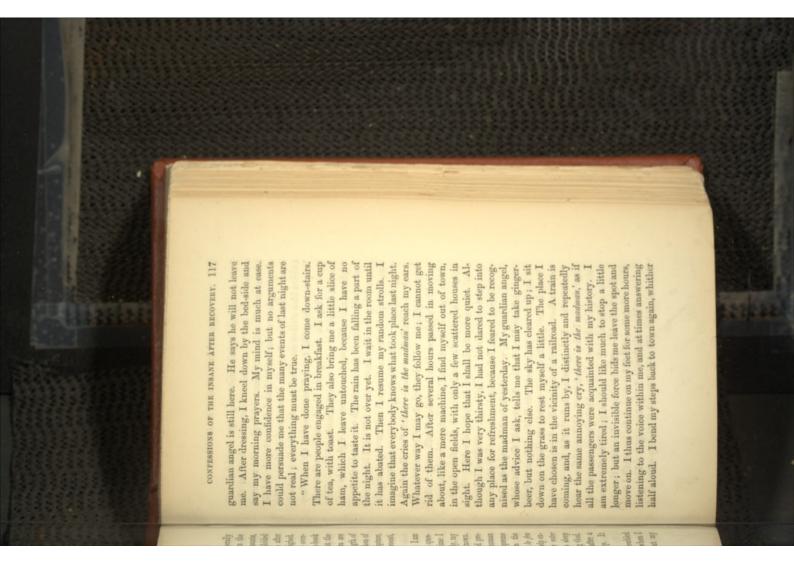


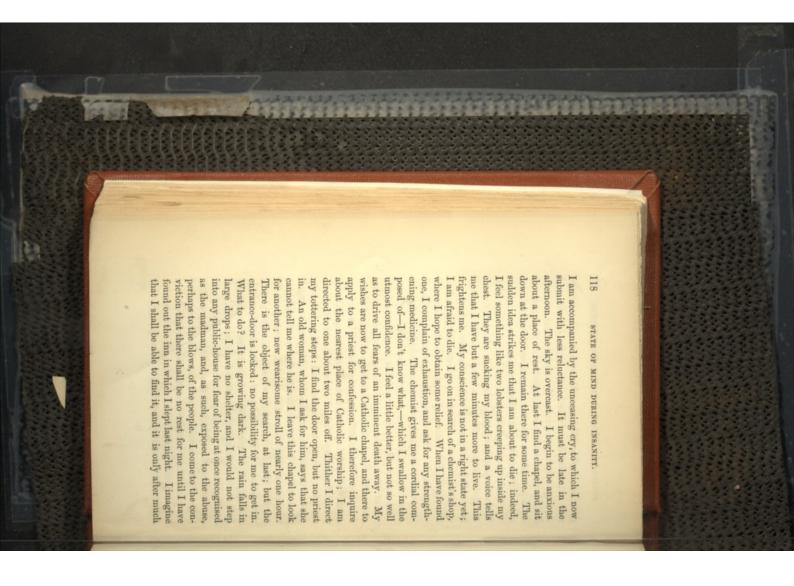
the revelations that are being made. They generally relate to the destiny of my family and friends in the world to come. Parents, brothers, sisters, uncles, annts, &e., all have the secret of their respective fates unfolded before me. Every life is minutely reviewed one after the other; every action, good or bad, carefully weighed. It is incredible how there is nothing forgotten or overlooked; it seens as if an every moment account-book had been kept, not only concerning the deeds but the thoughts and intentions of each. Most of them are doomed to suffer for ever; some for a certain length of time, and *one*, only *one*, is to obtain the kingdom of heaven. Then do I recollect a passage of the scripture, which I thought I had forgotten : 'Multi enim cocati,

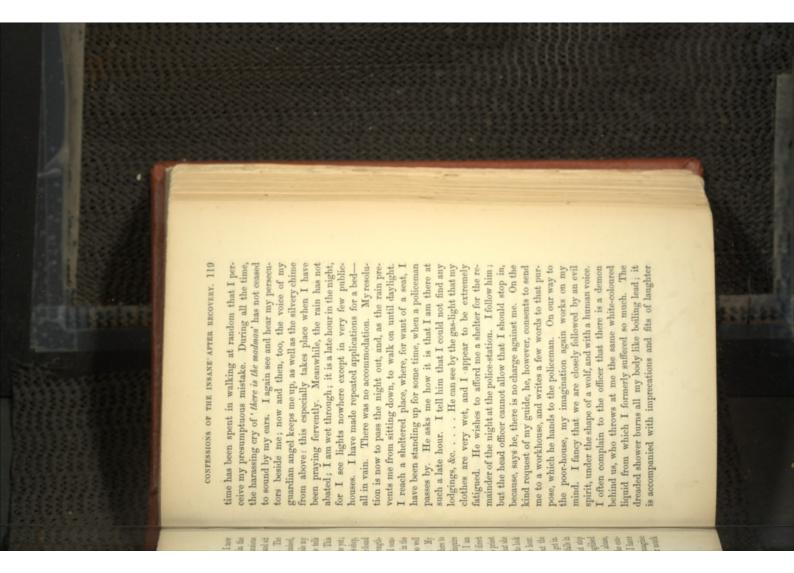
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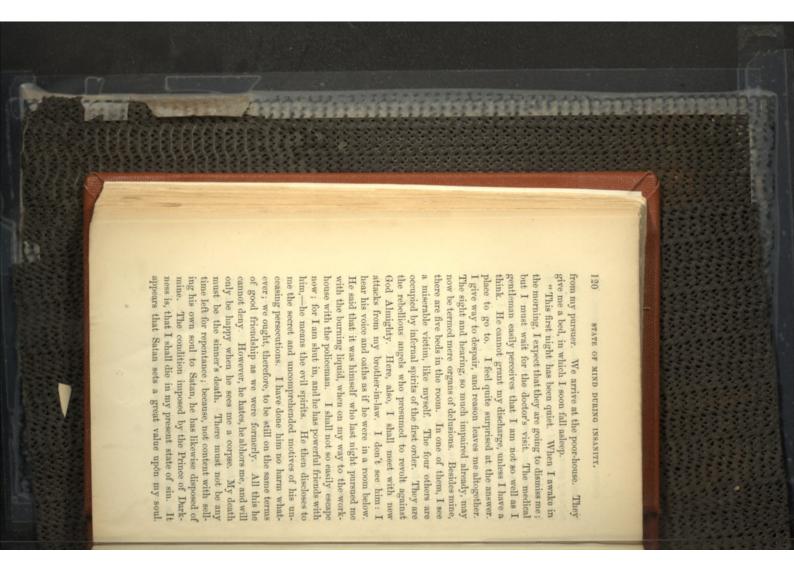
Almighty : 'Allez, fils de Satan, allez brûler dans le feu de l'enfer.' Although free from fear, I cannot help extribunal, I hear these redoubtable words from the forms. As they appear one by one before the Supreme cipitates the sinners, who have all preserved their human I behold a sea of fire, into which an invisible hand preimagination carries me to a scene hitherto unknown. receive kind instructions for my guidance. Lastly, my tion as to my future line of conduct. Every time I still listening. Sometimes I presume to venture a quespanci verò electi. must be at least five o'clock. claiming more than once: ' O mon Dieu ! que volre short prayer. I therefore pray until I fall asleep. It now; but I do not dare, for fear of displeasing God justice est terrible ? I feel that I should like to sleep The voice lets me know that I can rest myself after a "It is a long time since the men have got up. I am

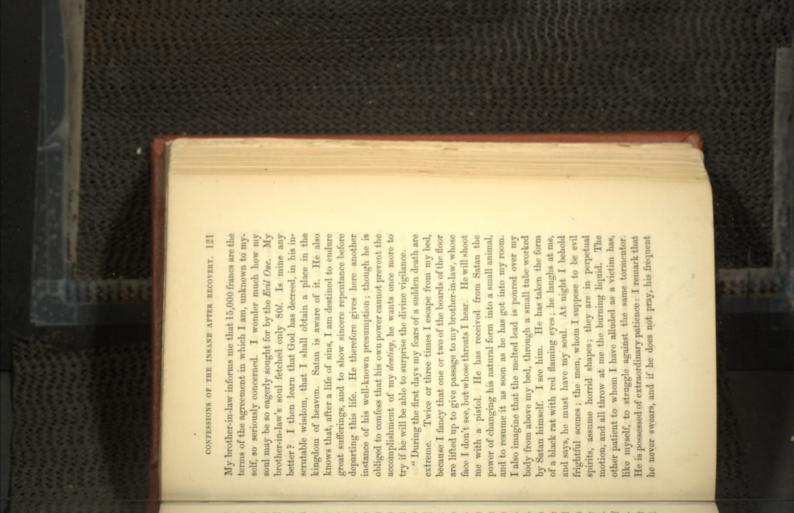
"My sleep has been quite refreshing, not at all troubled by bad, terrifying dreams. It is breakfast-time when I get up. The voice on my right is gone; but my









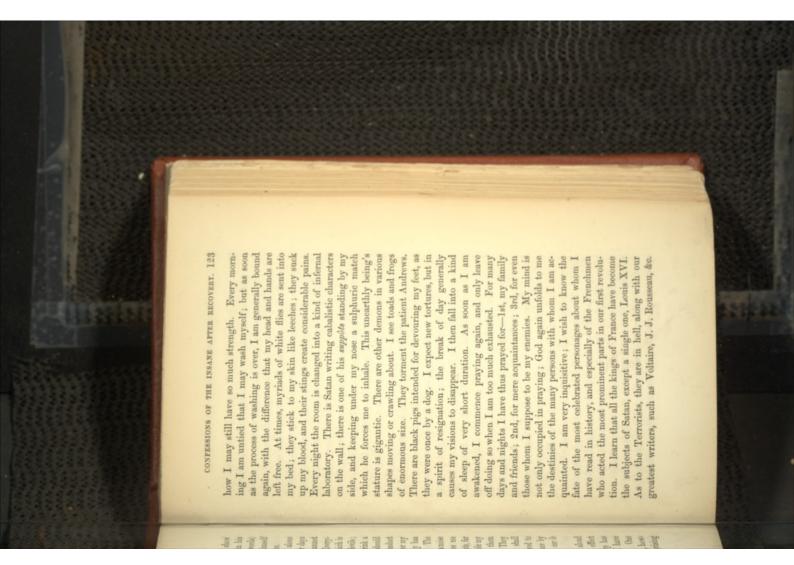


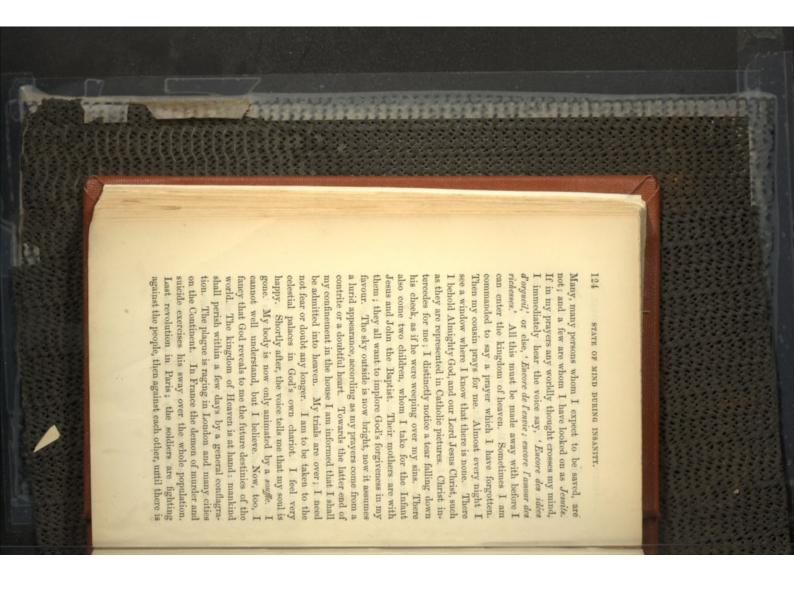
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exclamations, such as 'Lord, have mercy upon me,' show that he is a true believer. I become interested in his favour; I cannot help taking his defence (in words) whenever the *Infirmier* and another who styles himself the Doctor beat him in order to reduce him to silence.

of my co-patients is not calculated either to alter my drop of water, but every time after praying that it should go on from exhaustion. I wont take any food. Everyshall bring relief. I therefore pray for hours, for days excitement. Unlike to Andrews, I often upbraid them infirmier himself is not better. Whenever I make a noise nothing but oaths or filthy words in his mouth. The opinion in their respect. One of them especially has be changed into a wholesome beverage. The conduct it would be poison for me. Now and then I drink a presented to me is the usual nourishment of the devils ; thing is loathsome to me, and besides, the food which is and nights without interruption, except when I cannot repeatedly saying, ' Repentez-vous, repentez-vous; car le are demons, I know; they may kill me; they shall for their rudeness; I say that I don't fear them. They from compelling me to silence, only tend to redouble my with his fist. Their imprecations and ill-treatments, far royaume des cieux est proche,' &c. suffer and to forgive. I exhort them to repentance by have my body; but my soul, never. I am resolved to he abuses me in a low language, and even strikes me "I have no rest: a voice tells me that prayer alone

" My prayers and exhortations, being expressed aloud and in French, produce on my hearers no other effect than that of irritating them the more; for sleep has become quite impossible. From the beginning, I have been tied up, head, hands, and feet, in my bed. One would think that all movements are impeded. I, however, keep constantly fidgeting; it is truly surprising





CONFESSIONS OF THE INSANE AFTER RECOVERY. 125

but one man surviving, who shoots himself. Many times I imagine that I hear a sinister voice in London: it says, '*Fisited such*, such, and such streets; all deal: may God forgive us!' &c.

" Such were the strange thoughts by which my mind was engrossed when I was removed from the poor-house. The gentlemen who came for me did not surprise me in the least on announcing that I must get up, for they were to take me away. I firmly believed that I was dead, and likely about to be admitted into heaven. Nothing, in my imagination, could be expected. On our way hither, I saw houses, trees, carriages, passengers, all as it is on earth, but I would have been averse to the idea that they did not belong to another world, a kind of medium between earth and heaven.

The " When we alighted here, I came to think that I was attendants and patients with whom I was placed, I conto be shut in for a limited space of time. This was the last expiation for my sinful life. I kept in sullen silence, because it was my belief that mulism was the condition, sidered as new temptators, whose attacks I should have to resist. Thus I fancied that my duty was to walk up taking care always to tread on the same boards. I also considered it my duty to obey the attendants whenever stantly walking around him, and surrounding him with "Once, I recollect, they retired to the shed. I took and down the gallery with the least possible rest, and they said, I will. In the yard the trial was of another kind. 'I must not,' said I, 'let any one make his way on the same path as I do; I must drive him away by coninvisible lines, as the spider weaves his net around flies. sine quá non, for my speedy ascent to heaven.

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"Once, I recollect, they retired to the shed. I took up my post right against them, and stood up for a long time there, moving three steps backward and forward. It seemed to me that I was ordered to do so some hundred

126

times before allowing myself any rest. On the three or four first nights, I was in an excited state. A French book was kindly lent to me, which I did not dare to In my room I used to pray and speak aloud, as I had done in the pauper-house, for I felt convinced this establishment (the purgatory) was warming with invisible beings, some in meed of my prayers, others of my exhortations. Any person approaching at that time and inviting me to be quiet, was sure to be taken for a temptator, at whom I threw the malediction, '*Vale retro*', *Satemas'*. Fortunately, I soon was enabled to see things in their proper light.

appearance of justice, had made good their titles to the tion of these circumstances became the exciting cause of a misunderstanding that arose at a moment when she was its disposition to conceive projects and abandon them as tion was active, and her character was most marked in patient possessed great accomplishments. Her imaginalady after her recovery from an attack of insanity.* This urged her to proceed to Holland. After many useless tion of succeeding, by being present on the ground, same possession. Advantageous offers, and the expectaremote period, while another family, and with all the large sum of money, but the date of her right was at a her mental affliction. She had in Holland claims to a already the victim of disappointed hopes. The conjuncsoon as formed. Her insanity is said to have resulted from reposing in her bed, and promoting perspiration to recover cold feet, and pains of the head and throat. Instead of succeeding day she felt out of order, suffering much from returned one day home with her feet very damp. The plans, and after having seen all her efforts fail, she her health, she sat at her desk to arrange a very long We append another interesting narrative, written by a

* "Annales d'Hygiène."



CONFESSIONS OF THE INSANE AFTER RECOVERY. 127

paper on her business, to which she devoted all her mind and means, so as to prove the justice of her claims. But notwithstanding the paper was written with great power, and she had presented the subject under every ceding memoirs. No answer was made to it ; and when variety of aspect, it had no better success than the preshe called on the people to whom it had been transmitted, soured, and irritated at this cruel treatment, she had determined to return home, and had proposed leaving her lodgings, when she received a letter from her family, We now append the written detail which she gave of they always contrived to escape seeing her. Impatient, which induced her to protract her stay some time longer in Holland. The memorial which we have mentioned was the chief subject which engaged the disordered mind her feelings during her attack. Some few points in her of this lady during the illuess she had at that period. history have been suppressed.

"During these transactions, I hired more retired apartments, and less dear. My landlord, a shoemaker, and all his family were worthy people, and obliging. I took them for Christians, though they were Portuguese became painfully affected. I began to be under constant This fear increased to such an extent, as to deprive me of my rest. At last, I fancied that my host might some me, along with my daughter, during the night, to get Fortured by fear, for the period of eight days, I scarce apprehension that they would rob me of my money. day make me swallow a narcotic draught, and assassinate possession of my money. My suspicions received additional confirmation from the circumstance that these persons had prevailed on me to inscribe my name at the police-office as Madame H. A., and not Madame H. B. Jews. When I was informed of that circumstance,] slept for a few instants. My food was composed of eggs,

128

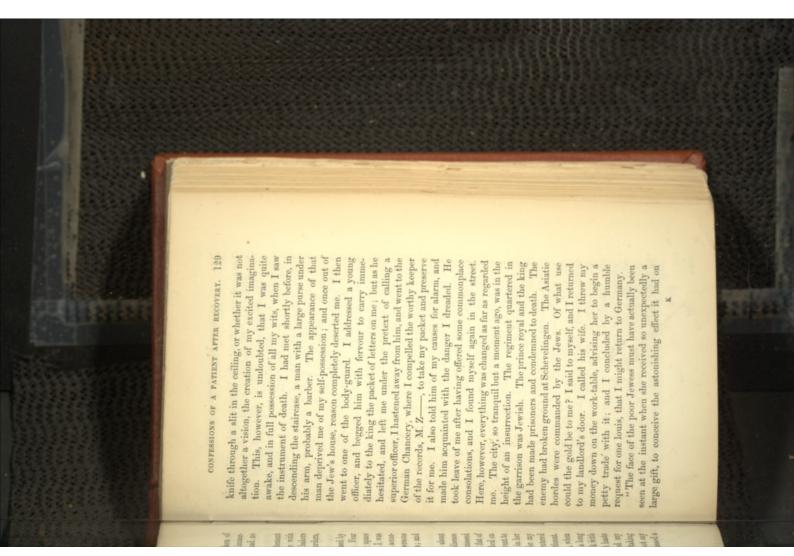
fruits, and tea, and one day, after having partaken of some bread which my landlady brought me, I was immediately attacked by a severe diarrhora, and I had no

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"My hostess explained the accident by a statement that the police, in order to prevent an epidemic with which the country was threatened, had directed the bakers to introduce into the bread designed for the lower orders, medicines which would act as a general purge.

"My body and my head broke down, weakened by the low diet, and by the continual watching. Fear carried them away. I felt my judgment going apace along with the power of reflection; and at last I was unable to draw from any given fact conclusions in accordance with the relations of that fact. The persons around me became still more fully suspected by me; and the end was, the loss of my reason.

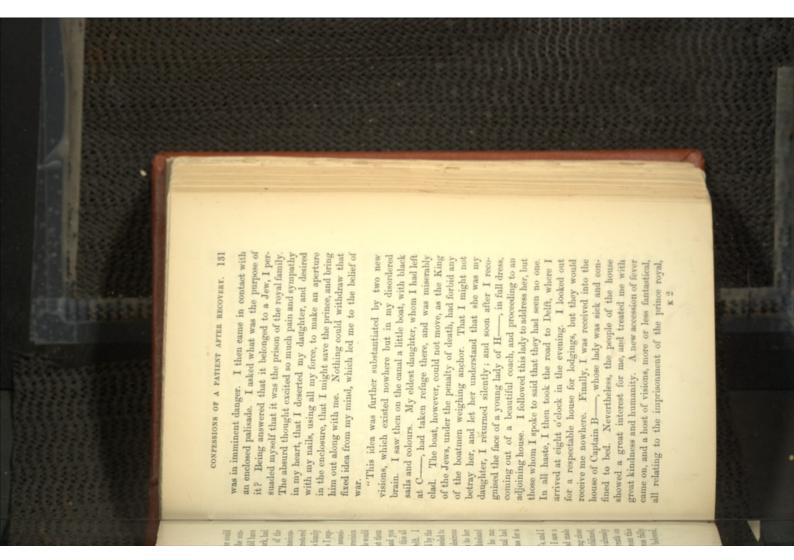
dream, it was that a man, bearing a purse, had entered the pavement broken in pieces, and dead. We went to a house in the town, and that I remained stretched on me throwing myself into the street from the third flat of fully out. My daughter told me, that she had witnessed myself, occurring in the same night, brought my disease alarm, I bade my daughter to be silent. In great haste The day after I was busy washing some clothes, when the house of the Portuguese Jew, and had cut my throat. dream; it was the Court of Judicature. As for my try and discover the house which she had seen in her whether some person had not, by way of joke, passed a with me all my most important papers. I cannot say trunk, and hurried my daughter into the street, taking I placed all my money in my work-bag, I closed my knife passing over the ceiling of my room. Struck with raising my eyes I saw (and I was wide awake) a long "Two dreams, one of my daughter, the other about



130

cluded in offering me a piece of gold, and would have allowed me to go away without any further remark, had not divine how to explain the matter; but she conwished to pass the night in that town, and travel by the clear to my daughter, and I took the road to Delft. I may return home without any fear. I made this all for an insane person. I said to myself, the people would posed, got rid of my money, my dread of being assassihighly honourable. Having in this manner, as I suptoo late, from which cause I was led to believe the family ness, into my bag. The louis, however, were restored louis, and slipped them, almost without my consciousnot her husband come in. He took a handful of the her countenance-it actually became purple. She could already experienced, who had put in his claims for a to recal him immediately from Holland, as he ran that it was a sacred duty she owed to her husband Munster by Arnheim and Emerich. I was desirous boat to Rotterdam, whence I would have proceeded to have it; they will countermand the assassin, and you have killed you on account of your money; let them nated vanished, and I reasoned with tolerable precision the hazard of being branded, as one individual had to see Madame H----, at Munster, and explain to her

property. " I had changed my louis at the banker L——'s, and I was already close by the gate of the city, when I saw a young Jewess following me; and though I had made different turns to avoid her, she nevertheless hung close on my footsteps. I then went up to her, and exclaimed, in a menaeing tone, 'Accursed pagans! you have already crucified Christ, and this day you vent your wrath on the prince royal!' The Jewess saved herself from this dreadful apostrophe, and from that moment I was fully satisfied that the prince, who was universally beloved.



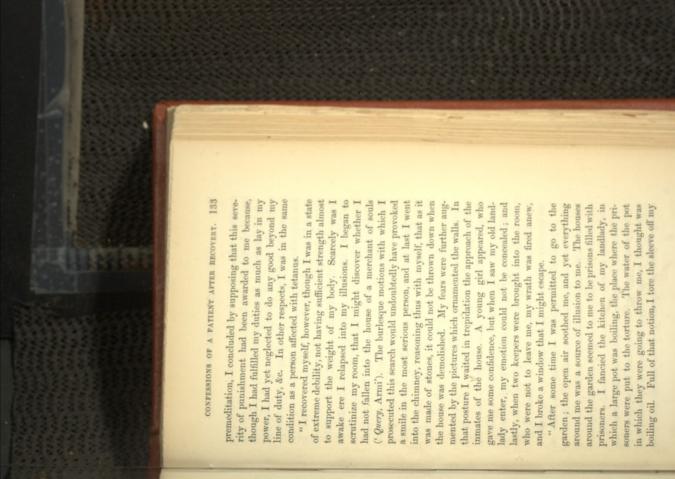
132

excited a furious delirium of the most extravagant nature, in consequence of which the persons with whom I resided, carried me, in the course of the night, to another house. On the subsequent day, a letter was despatched to the keeper of the records, M. Z.——: he came to me in a closed earriage, and took me to an establishment at a distance from the street, where I was put under the care of an old servant of M. H——. A physician was called in, and at the expiration of three weeks I was so far recovered, that my guardians no longer could trace my thoughts, though my ideas still clung to the

ALL STREET

same subject. "After having left the house of M. B—, at Delft, I fall into a state of profound melancholy. I fancied myself to be in positions which only the extreme of madness can conceive. My recollections are by no means very clear of what occurred when we were at the hotel, where we had to pass three days; still. I have a floating idea of having conversed with different people, and that I answered different questions. I think, also, that when I went to bed, a great many people came to observe me, and they talked together about my condition, but all the rest was as a dream.

"The condition, however, in which I spent the first night seems worthy of attention. I thought myself a-bed, perfectly conscious, but totally unable to make any movement, in an immense abyss, in which I believed I had been buried alive, and had now awakened in the tomb, in the condition I was to live for all eternity, with the perfect consciousness of my condition, to reflect on myself. My mind, which, when awake a few hours previously, had been carried away by the most extravagant frenzy, still enjoyed all its perceptions clear. I discussed with myself whether I deserved so stern a fate, and as I was unconscious of any crime done with



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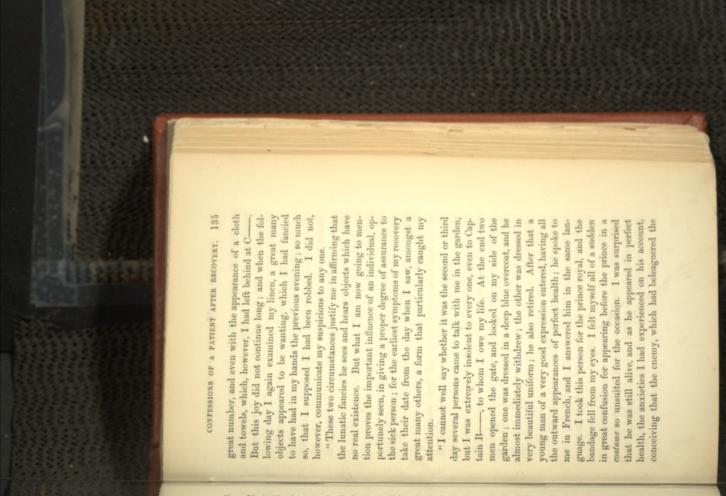
134

daughter's robe, desirous to retain it that she might not incur the hazard of being boiled alive.

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arteries would have burst in my brain. Most luckily I intense rapidity, that, with undoubted certainty, all the chains, either fright would have stopped the flow of the except I am completely enlarged from them. For if I so many dreadful fancies ; so it is always with me, that a phrenetic lunatic, all whose actions are influenced by storm from that I had seen before, and those I have template the rising storm. But how different was that the alley of the house, leaving me at full liberty to conproaching. I felt myself very well when my keepers blood in my veins, or it would have circulated with such had been shut up on that day, or even bound down by it is impossible to alleviate, even a little, those agonies, not hear any thunder ; I did not witness any lightning on a deadly combat against the inhabitants. The last flotilla of the enemy, on the margin of the river, carried fighting in the air together over my head; while a rising o'er the banks of the Schevelingen to the skies, horizon appeared to me to be the billows of the deep, witnessed since. The clouds which rolled up from the were forced to retire by the rain under the protection of was left in the garden, though a violent storm was apever is heard or seen. ear and the eye of the insane amplify and enlarge whatfrom which we may infer, with all certainty, that the but I perceived the explosion of a hundred blazes of hour had struck for the prosperity of Holland. I did fire, the cannonade, ceaseless, reverberated in my ears: " All this receives its explanation in the condition of

"The same remark occurred to me afterwards. As my symptoms appeared better, my linen and my property were restored to me. I took them out of my trunk, and arranged them on my table. I was struck with their



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136

country, had made him suffer great torment, all vanished in a moment. I felt myself as if inspired with a new life, and from that hour the visions of horror were no

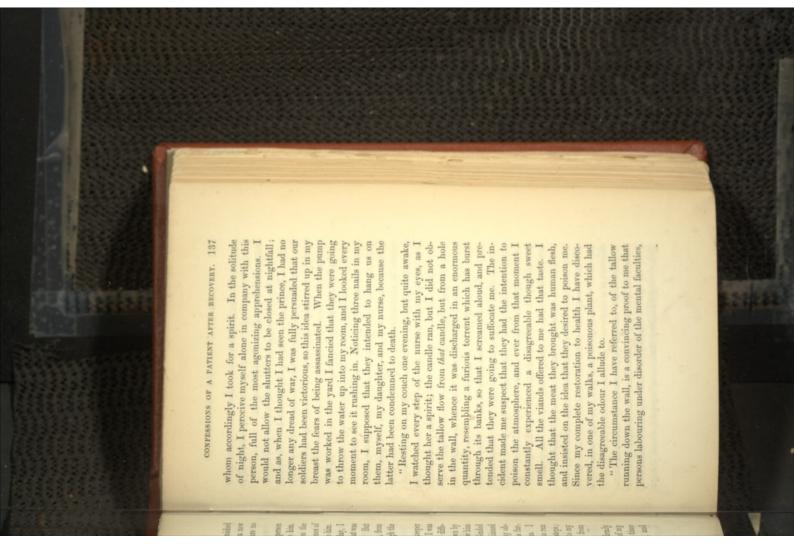
more.

" It will be easily understood that this young person was not the prince, though he was a little like him. What an infinity of good would be conferred on the lumatic could his thoughts be anticipated, and scenes of a nature to affect him favourably be brought before him. Had permission been given me to lave that day, I assuredly would have committed nothing either that was ridiculous or attended with injury to any one. But there were still more cruel trials in reserve for me, from which I was not to escape until I had gone through the ordeal of three additional days' illness.

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and I was again thrown into distress on getting to my away. As I ascended the stairs I counted the steps; said to it that it deserved the rod, which caused it to run ther increased on perceiving a child looking at us. I servations. When we stopped, this irritation was furthe same route, without paying any attention to my obin perceiving that he, with a smile on his lips, continued placed in a house near the castle. I then had a diffeof the records, conveyed me to La Haye, where I was within. room, when I saw that the door could not be locked from that he had mistaken the road, and I felt much offended the same gate we had entered. I attempted to show him rence with M. Z-"A coach was ordered, in which M. Z-, the keeper -, as we did not leave the town by

" My alarm, however, became extreme, when I firmly believed that I thought I recognised in the person of my nurse an individual whom I had seen hanged some time before at La Haye, along with another criminal, and



138

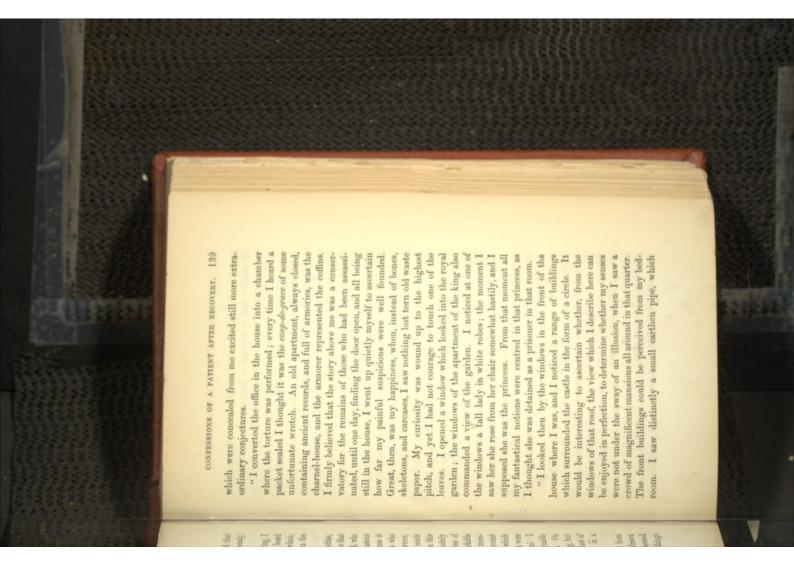
perceive objects which have no real existence, and that the sight of particular matters produces, spontaneously, images in the eye of the diseased person.

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"Even at a later period, when I was improving, I still saw Dr. T——; then my brother-in-law; I heard the voice of my sister, as also another voice, which, speaking to me by my name, bade me 'lay down the petition.'

they would not accede to, though I had become much detained me to permit me to travel alone ; this, however, ought to come and inquire for me. On several occasions they were to be kept till my husband appeared, who still one uneasy idea succeeded another, and the last of were all reproduced in the dream, and my children were of this horrible torture, the frightful details of which over, the aqua tolena prepared. I had read an account degree of firmness and self-possession. I saw, morewith my condition. There I was, in the realms of state of tranquility, tallying, however, very appositely more calm. Several dreadful dreams broke in on this would be attended with) to interest the persons who I objected to this arrangement (pleading the expense it my papers, and my money; but they answered me that the kind was on my return, after having been in a torture, than again experience that horrible dream. On would rather suffer in reality every kind of imaginable the unhappy victims of this barbarity of the Italiani. I Pluto below, which I examined with a remarkable diligence. being awakened I found that I had been dreaming, but "I often requested of my keepers to have my clothes,

"We might be almost persuaded to conclude from these facts, that every visible object should be withdrawn from the eye of the lunatic; but if what I witnessed gave rise to misinterpretation on my part, those things



140

passed by the chimney of the house nearest the court of the castle; and it was not a long mental operation for me to conclude that the tube of that pipe was the only mode of the air having access to the house. So I likewise inferred that all the individuals who entered the house would be sufficiented.

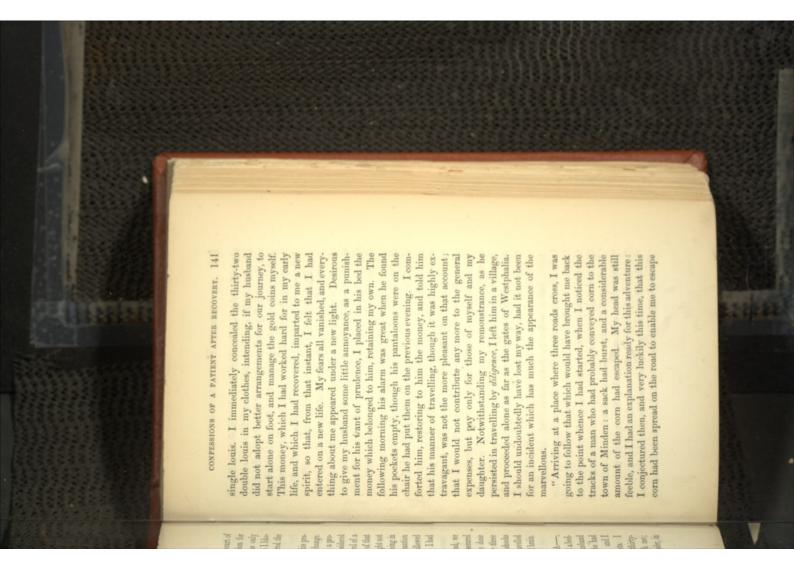
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"On the day of my husband arriving, and in his presence, my whole system underwent a special change. Instead of feeling a satisfaction that I had in him a protector, I was harassed by the idea of being considered insane by him, and being placed under the control of a person whom I distrusted. Under the influence of that fear, I exercised all my self-control, that he might not suspect my insanity, though I was still far from being in full possession of my wits. I also adopted the precaution to procure secretly a strong dose of rhubarb. I swallowed it all at once, and felt myself much better after. I had done so formerly with benefit.

"Some days after the arrival of my husband, we began our arrangements to return home. We secured places in the diligence, though we would have done better by hiring a carriage, as we had to pay for three seats. We were then fairly on our road, and the shocks and jolts of the wretched vehicle in which we travelled were of no small service in restoring my addled brain. I soon found that my reason was restored.

"We arrived for the night at a town beyond A-----, where we were to stay till the morning. We had a bedroom, but there was no lock to it. When my husband had 'undressed and gone to bed, I noticed that he had left his pantaloons near the door, which was ajar, and I was afraid lest he had left money in his pockets. I searched them, and found, to my great delight, thirtytwo double louis, of those which I had taken with me; and, in addition, the sum of two hundred *reichsthaler*, in



from the labyrinth in which I was involved. I followed the marks with perfect confidence, and treading steadily on the corn, I passed over roads almost impracticable, and through several villages, getting finally into the high road, where I met the diligence, which, taking that route, had made a long circuit: there I joined my husband and my daughter.

225

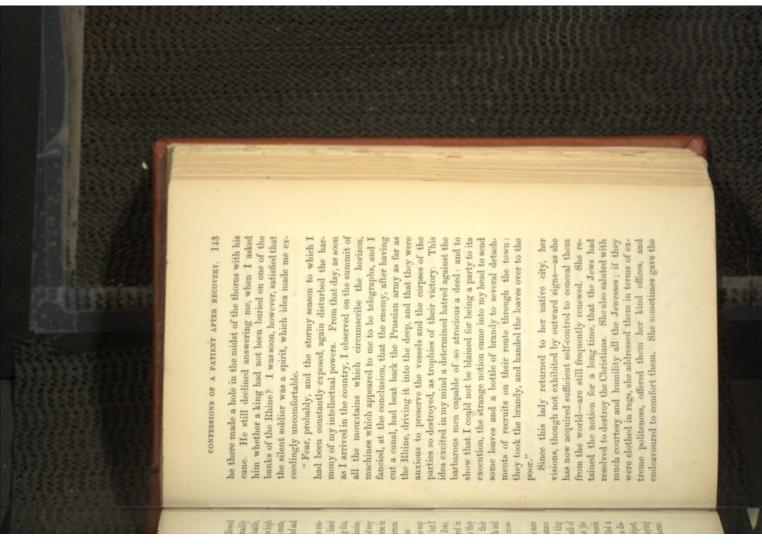
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"At Minden, I took the arrangements for the continuance of our journey into my own hands, and hired a private carriage for ourselves. Notwithstanding this, the most trivial circumstance suggested erroneous fancies, but as I was in a state of perfect liberty, I examined very attentively the subjects which had awakened surprise in my breast, and I gradually became conscious of my errors. I still recollect several of these very singular visions.

"At the period of which I now speak, I was in no way uneasy as to my own fate, or that of my family, but I was distressed by a feeling of sympathy for the Jews, discomfited, as I thought, in Holland, and scattered in the woods in the neighbourhood of C——, where they were perishing of hunger and cold, along with their wives and children. I daily resorted to the woods and deposited bread and money, particularly near the crossroads.

"Two regiments passing through the city at the same time, had a coffin in their escort: this circumstance affected me with alarm, for I thought that their king was in the coffin. To convince myself of the truth of the circumstance, I ran across the garden to meet the procession; but the body had disappeared, and afterwards I understood that the coffin was tenantless. I called a young soldier, who was following the regiment at a distance; I made several questions to him on the subject, but he did not answer me, but went away, without saying one word, to a hillock covered with verdure and thorns;

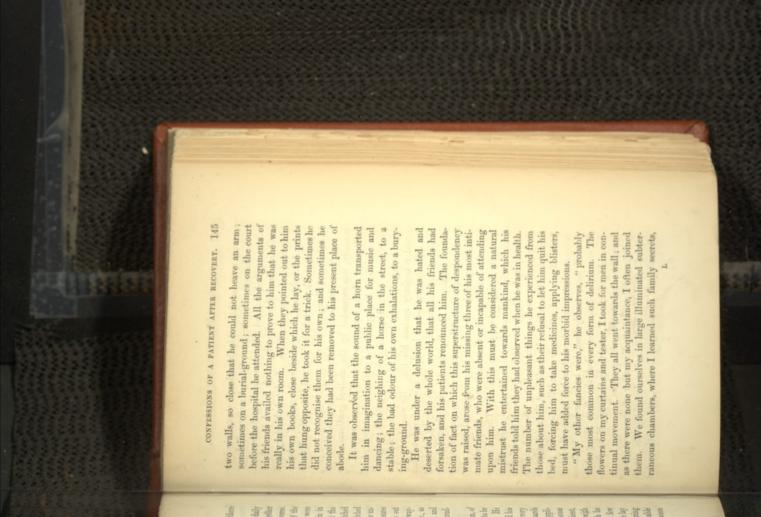


144

poor Jews a piece of money, in which she conceived there was some particular virtue.

side, all kinds of food, such as loaves, fruits, eggs, &c., so near the forest, and placed at different parts by the wayenforced against them, she ventured several times out death by hunger. Actuated by sympathy for those unthe vicinity of the town where she lived-that the encamped in an immense forest behind a mountain in insane. She fancied that a great number of Jews were convinced that her apprehensions were altogether ful death to which they had been doomed. that some of them at least might escape from the dreadthat these unhappy creatures might pick them up, and fortunate beings, and indignant at the cruel measures them, and that they were condemned to perish a wretched government kept them prisoners there, and watched This contrast is often noticed in the dreams of the chimerical; but she adopted a notion exactly the reverse. At last, she gave up this notion, as she became daily

in Holy Ghost-street." The persons about the patient, cated," says the author, " to be only carried to my house moment, some different public place, in which his guards for his residence. Sometimes it pitched him between the time, his fancy created places not the most agreeable pining in vain for the end of these few hours, and during hours, or early to-morrow, as it is now night." He lay laboured. Their cry was, "it shall be done in a few detained him on his bed. " I almost continually suppliimagination was active enough to exhibit to him every his own case. When deranged, he imagined himself to be his wishes, only confirmed the delusion under which he in endeavouring to pacify him, without complying with fancied himself transported from street to street, and his pursued by a demon. He had also other delusions. He The following is an account, written by a physician, of

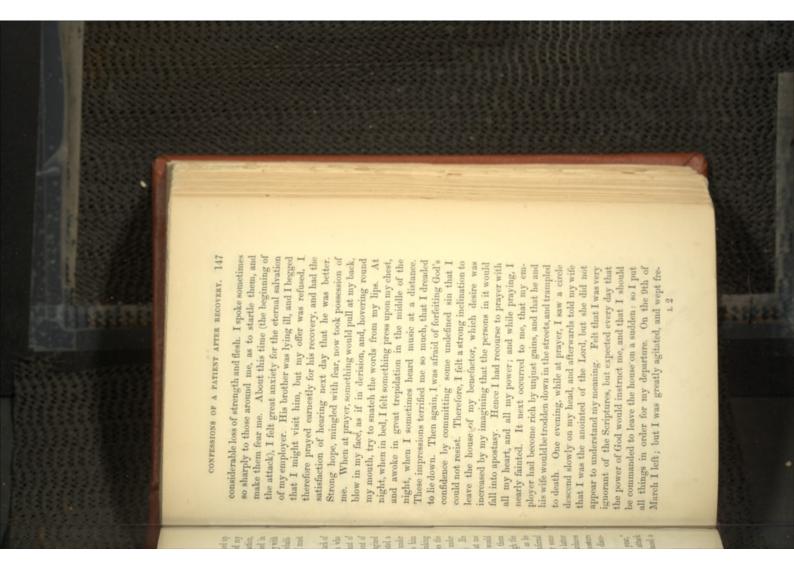


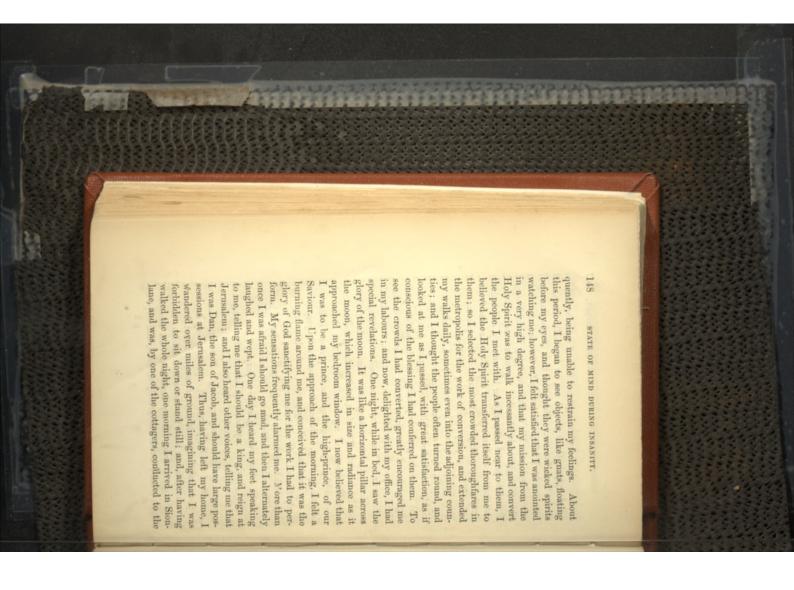
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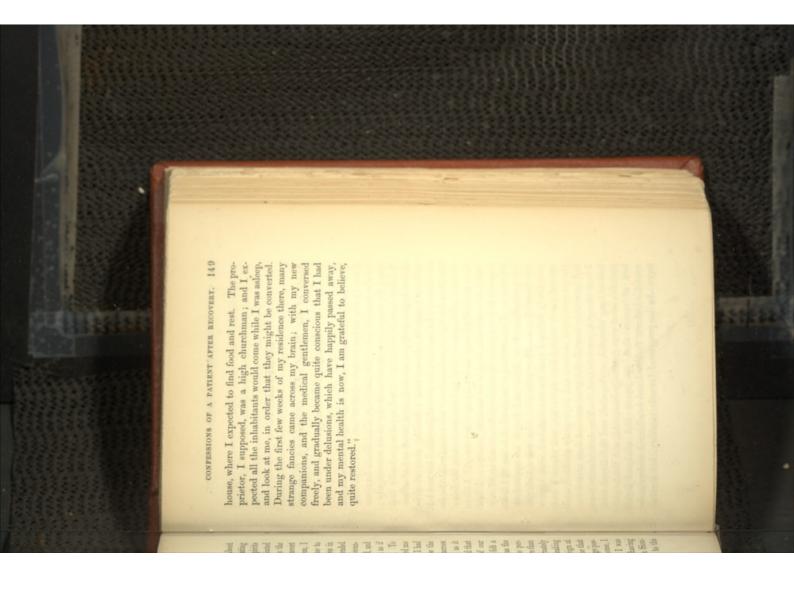
as every man in the world above keeps close locked up in the recesses of his bosom. Once, I really called my wife to my bedside, and told her a shocking transaction, involving two of our friends, which I had learned in these subterraneous assemblies. I related the story with so much consistency, and gave it such an air of probability, as to make her take it for a real fact, which I must lity, as to make her take it for a real fact, which I must

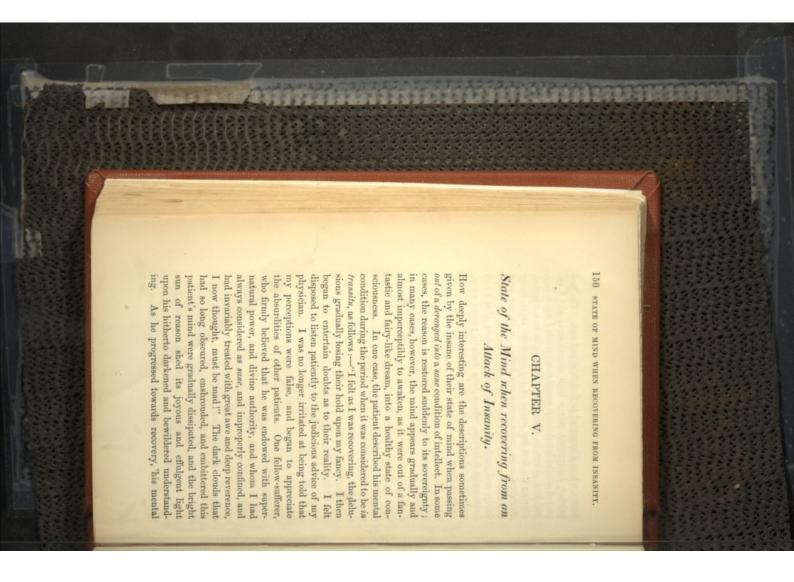
grand conspiracy against his life. He was also under that among his friends and relations there existed a insanity, was requested by the medical gentleman who says, the attendant sometimes affected to smile at me a small portion of the liquid. He thus describes the in his tea, and that he had escaped death only by drinking the delusion, that poison had been administered to him his illness. I should premise, that the patient imagined the sensations he experienced at the commencement of have known before my illness. thought. At those times, he would cast the most infernal a little, so that the eye could barely be seen through the lean back on the couch, close his eyes; open them with pity for my unhappy state of mind. Then he would whose supervision he was temporarily placed. fancies he entertained in reference to a person under had charge of the case, to put in writing an account of lashes, and so as to prevent his being observed, as he vered what would answer his purpose. he would put himself into, ready to jump, if he disco-I could see not only from his looks, and the hardness weapon or other to finish what he had begun : the latter looks at me, and afterwards round the room, for some his muscles used to assume, but also from the posture A patient, who had passed through a painful attack of He

"From July, 1847, to November of the same year," says the Rev. Mr. Walford, when describing his attack of insanity, "I was highly nervous, and experienced a









tinues, "I fancied I saw objects more clearly and less 151 perceptions became daily more clear and intelligible. Whilst in this intermediate phase of morbid thought he was foreibly reminded of Milton's majestically poetical, and profoundly philosophical passage, in which he makes Adam relate to the angel what passed in his mind imme-Another patient described his state of mind when ness, which lasted for eighteen months, I always fancied myself surrounded by a dark cloud. I never could appreciate that there was any difference between day and night. Even when the sun shone most brightly, it produced no alteration in my feelings. I funcied that I was petual gloom, and never-ending darkness, as a punishment for sins I had committed in early youth. No bright object, alas! looked so to my mind. I found that I could gaze, without the least inconvenience, at the sun, even when at its height. It did not, in the slightest " I date the commencement of my recovery from the time when this mysterious darkness began gradually to by a dark veil. This is the only comparison that occurs recovering, as follows: "During the whole of my illdoomed to live for the rest of my days in a state of perfade away." "When I was getting well," the patient conthrough a haze. My mind appeared during this distressing illness, as if it were covered, if I may so speak, " Paradise Lost," b. 8, l. 283. * Whilst thus I call'd and stray'd I knew not whither, From where I first draw an an dirst leaked This happy light, when answer mon return'd, On a green shady hank, profuse of flowers, Parive I at the down; three gentle sheep First found nes, and with soft oppression said My drousd ness; untrobled, though I thought I then was passing to ny former state I hereukib, and forthwith to dissolve...... HLUSTRATIVE CASES. diately after awakening into life :--degree, dazzle me.

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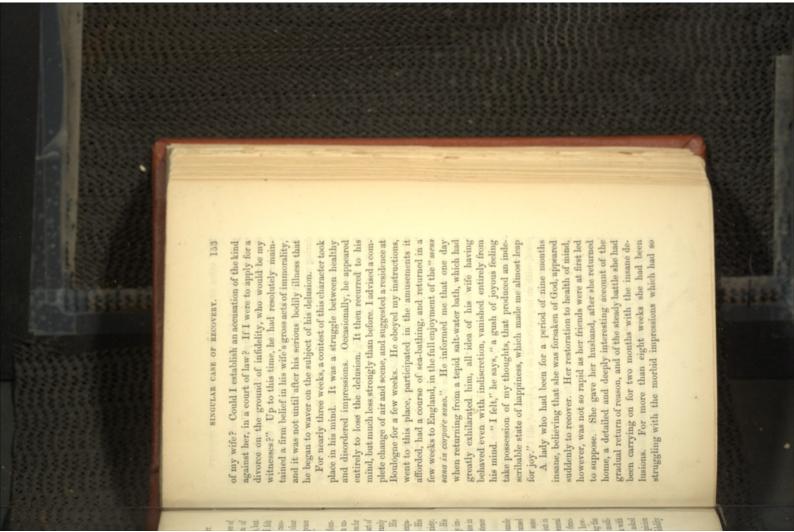
to me. It was as if I were looking through a piece of green glass at every object. This cloudy condition of mind did not disappear altogether for some months, but as I began to see things with my natural vision, I felt that I was getting well. This state of progressive recovery continued until I saw everything through a clear and sumy atmosphere, and then my happiness and peace of mind were restored ; in other words, I was well."

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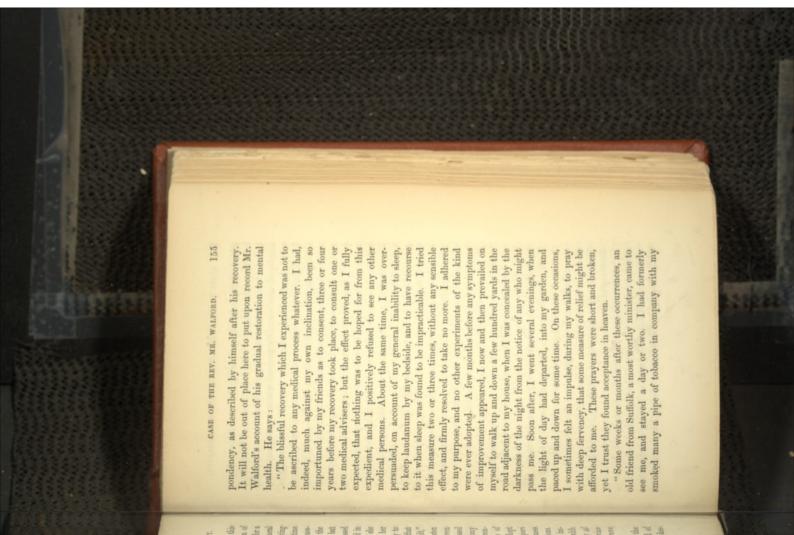
A gentleman who imagined, without the slightest foundation for such an impression, that his wife had been unfaithful to him, persisted in entertaining this delusion for a whole year. He declined, during the greater part of his illness, having any communication with, and rarely speaking civilly to her when she called to see him. His general health was much shattered by a sedentary occupation and neglect of the ordinary rules of hygiene. His mind had also, for a long period, undergone much anxiety. At times he suffered from severe mental depression. His general health, in course of time, became greatly improved, but there were symptoms of local disturbance in the head that at first led to the suspicion of the existence of some form of organic disease of the brain.

A few months before his recovery, a large carbuncle made its appearance in the lumbar region. This caused great pain, and confined him to his bed for some weeks. Subsequently, numerous *furucali* broke out in various parts of the body, attended with great general irritation and serious disorder of the assimilative functions. He was invalided for many months. He, however, entirely recovered, still, however, entertaining the delusion with regard to his wife, but in a somewhat modified and less acute form. At first he began to reason with himself the following questions :—" Is my suspicion founded on fact? What proof have I of the infidelity



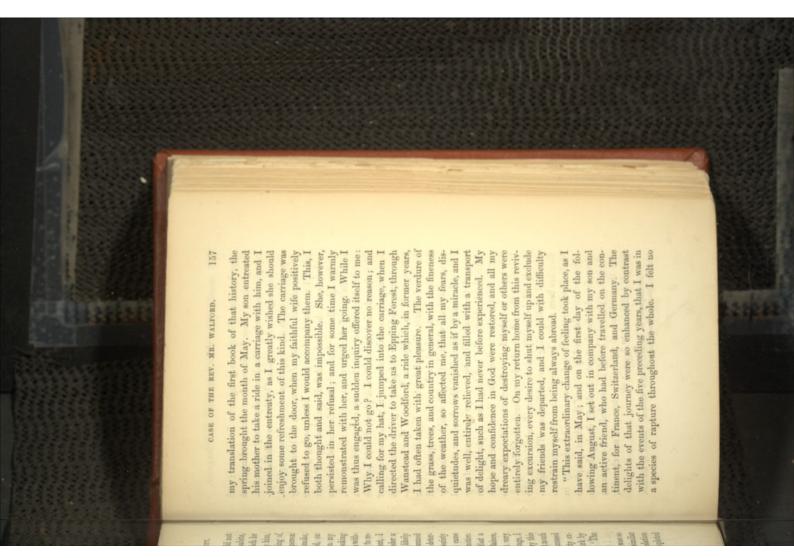
the remedial measures suggested for her cure, and pari tinued, however, gradually to recover a sane state of apprehensions as to the salvation of her soul. She conat this time, her mind was occasionally much distressed with repose and satisfaction to the sermon." But even she said, "a comfort, in the prayers, and could listen "she was only mocking God by so doing." "I felt," church, without feeling, as she did previously, that again began quietly to reason with herself as to her morbid impressions caused her less mental distress, but tion, 'Am I under a delusion ?'" For some days the during my long illness, asked myself seriously the quesdelusion. At that period, she said, "I, for the first time health appeared to shake her belief in the existing considerable period. This improvement in her general her bodily and mental health. by resisting all the attempts that were made to improve treatment. She fancied that she was doing God service everything that was proposed by myself in the way of pelled by an internal voice to refuse compliance with She informed me after her recovery, that she was imthe return of a healthy state of the intellectual functions. passú, with an improvement in the physical, did I witness thought. She no longer persisted in refusing to adopt by some, but less acutely manifested, morbid and gloomy insane religious notions. She then went regularly to full force to her mind. After the lapse of a week, she two or three sleepless nights, the delusion returned in having, owing to an attack of stomach disorder, passed the uterine functions, which had been suspended for a contest occurred contemporaneously with a return of poisoned her mind. The commencement of this 154 STATE OF MIND WHEN RECOVERING FROM INSANITY. I have, in a previous page, referred in detail to the

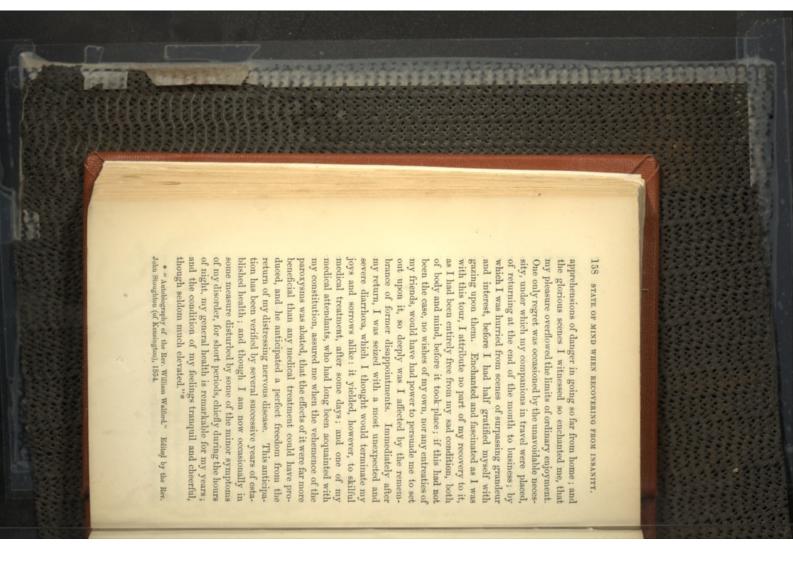
I have, in a previous page, referred in detail to the deeply interesting history which has been published of the Rev. Mr. Walford's state of morbid religious des-

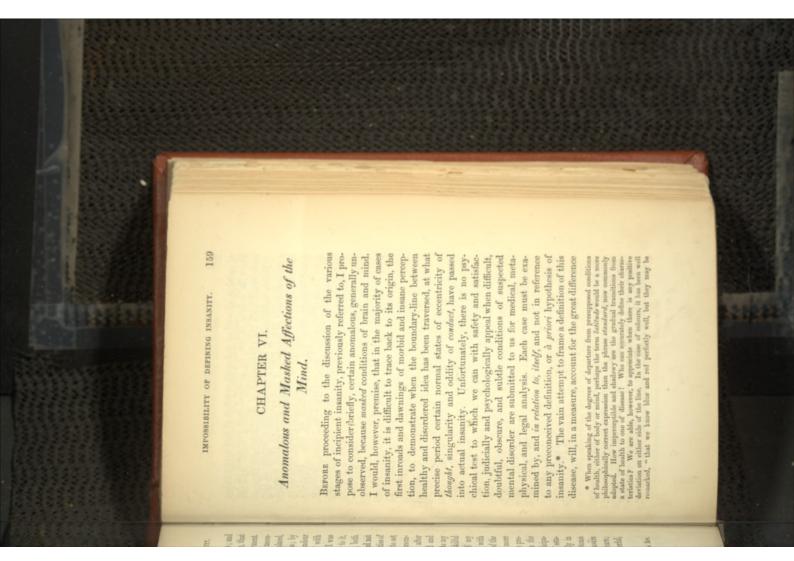


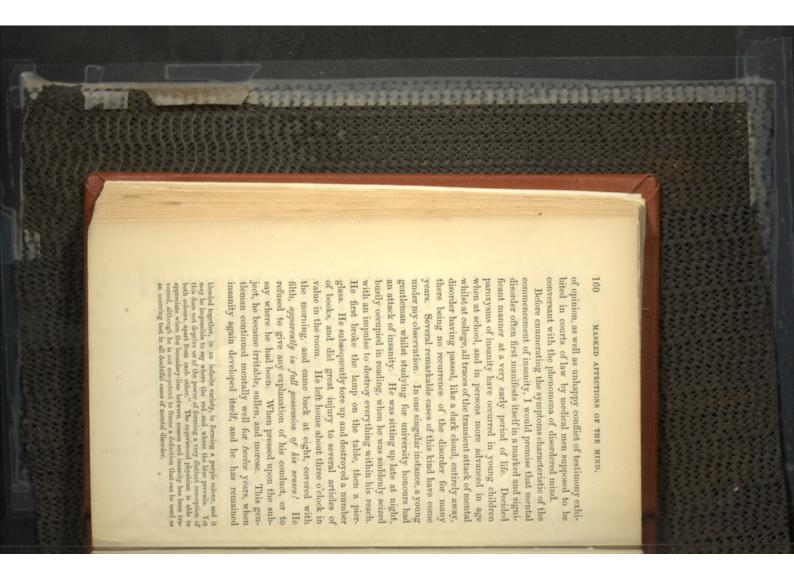
employed, and earnestly pressed me to accompany him, sitting up, it occurred to me to try if I could smoke, had the materials for smoking set before him, which he friend, though for the preceding five years I could not all such as treated of religious subjects. Accident deterto awaken painful associations, and I especially shunned great difficulty to select a book that did not seem likely resolved to try if I could read, though I was under a linquish the practice. Soon after this experiment, I apparatus, and found I could perform the operation withpulse. I instantly procured for myself the smoking account of the manifest bad effects it produced on my which, for four or five years, I had discontinued, on his departure, when, as usual, I was the only person which I passionately refused to do. On the evening of bear the sight of a pipe. My wife, aware of his habits, 156 STATE OF MIND WHEN RECOVERING FROM INSANITY. was brought to my house, and as it seemed not very to my house were carefully concealed from my notice. mined my choice. I had not relinquished a book society out the injurious results which had induced me to reme, and after reading it again, I wrote out a pretty exdistressed me, and I perused it to its close. It amused book. In a day or two, I found nothing in it that much resolved, though with extreme apprehension, to try this ' History of the Cotton Manufacture,' by Mr. Baines, At the time of which I am now writing, I found that a of which I was a member, though the books that came character : and I then engaged in writing a translation much quieted as to regret I had no others of similar tensive abridgment of it. I then attempted a work by likely that anything in it would excite my feelings, I Economy of Manufactures.' Mr. Babbage, the title of which is, I think, 'The "After reading and epitomising these works, I was so

of the history of Herodotus. Before I had completed









161 from that period in a deranged state of mind. A patient, now insane, manifested, at the age of len, decided symptoms of mental aberration, and to such an extent, that, occasionally, for days it was deemed necessary to confine mechanically the hands, so mischievous were the child's tendencies. At the age of fifteen, he, and it was not until he was thirty that his insanity again manifested itself, and then it was considered necessary to When referring to this class of case, and of the possibility of insanity commencing at a very early age, then appearing like other boys, was sent to a public school, becoming arrested, and even remaining dormant for five, ten, tweetve, and twenty years, Esquirol remarks, "I am more than ever convinced that the existing causes of insanity do not act abruptly, except when the patients are strongly predisposed. Almost all the insue exhibit, before their disease, some alterations in their functions, alterations which commenced many years previously, and cephalalgia, colics, or cramps, constipation, and menstrual irregularities. Several had been endowed with great even in infancy. The greater part had had convulsions activity in the mental faculties, and had been the sport of vehement, impetuous, and angry passions. Others had been fantastical in their ideas, their affections, and been incapable of continuous study; others, excessively M. Pinel was acquainted with a case of insanity that passions ; some had had an extravagant imagination, and obstinate, could not live, except in a very narrow circle of ideas and affections, whilst many, void of moral energy, had been going on unnoticed for a period of *filleen* had been timid, fearful, irresolute, indifferent to everything. With these dispositions, a mere accidental cause " Dictionnaire des Sciences Médicales." T. 16, p. 195. N is sufficient to make the insanity break out."* INSANITY AMONG CHILDREN. place him under restraint.

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choly state had begun four, six, ten, fifteen, and twenty it often happens at that period of the malady, that a only the consequences of unobserved disease. In fact, cumstances taken for causes by the friends, are frequently years in this way, and we finish by discovering that ciryears previously. It is often easy to go back months or years! In several other cases, the maniacal and melanslight contradiction, or fit of anger, or some cause equally symptoms of insanity appear in early life, that the It does not, however, necessarily follow that when these gives rise to mistakes as to its true cause and duration. immediate and complete subversion of their reason, and insignificant to a person in good health, provokes the well as adults, are subject to sudden, transient, and paroxysmal attacks of temporary mental disorder, which disease will recur at a subsequent period. Children, as for the remainder of life. pass entirely away, the mind retaining its healthy state

remarks upon the insanity of early life, in noticing the duction in adult life; not that children do not feel plished physician (Dr. Boismont) accounts for the compadissertation of Dr. Paulmier. This able and accomacutely, but their sensations are of a fleeting nature, and the absence of many of the causes so potent in its prorative exemption of childhood from mental aberration, by died of marasmus. She was brought into the asylum at gives an account of a child of eighteen months, who occurring in children under eleven years of age. Greding Burrows, and Spurzheim, have recorded cases of insanity symptoms of the malady. Haslam, Perfect, Franck, favouring circumstances, occasionally manifest undoubted a highly nervous temperament, and who are exposed to inherit a disposition to mental disease, or who possess in this lies their protection. Nevertheless, children who Dr. Brierre du Boismont has recently published some

was then scarcely nine months old. She was subject to 163 Wuldham with her mother (who was insane). The child the little creature tore everything she could lay hands paroxysmal nervous attacks, which ended either in an indescribable laugh, or in a fit of mania, during which upon. Jacobi refers to several cases of insanity in children, then in the asylum at Siegburg. Esquirol treated two children, one of eight and another of nine years, and a girl of fourteen, all labouring under mania; he Mare gives an account of a little girl of eight, who was also consulted about a child of eleven, in which the her grandmother, and her father. Her object was, to be freely admitted that she wished to kill her own mother, possessed of their property, and to have an opportunity and silent; when spoken to, her answers were very abrupt. Her health was improved by a residence in the country, but on being brought back to town, she beof indulging her passions. The child was morose, pale, came again pale and melancholy. For a long time the INSANITY OF EARLY LIFE. disease assumed the form of melancholia.

Anter gives an account of a little girl of eight, who freely admitted that she wished to kill her own mother, her grandmother, and her father. Her object was, to be possessed of their property, and to have an opportunity of indulging her passions. (The child was morose, pale, and silent; when spoken to, her answers were very abrupt. Her health was improved by a residence in the country, but on being hrought back to town, she became again pale and melancholy. For a long time the ensues remained undiscovered; at length it was found that she was addicted to bad habits, which she openly avoved, regretting at the same time that she had not the opportunity of indulging her animal passions. Dr. Brierre du Boismont noted four cases, of children of six, seven, and ten years of ago, in whom the symptoms of mental disease were manifest; and at present he has under his care a female child of three and a half years old, born of a paralytic father, which shows the strangest caprices; 1 at one time esse, of children size far beyond its years. The eases of insuity brought under notice by Dr. Paulmier cannot be said to belong to childhood; his children are young people; for of thirteen

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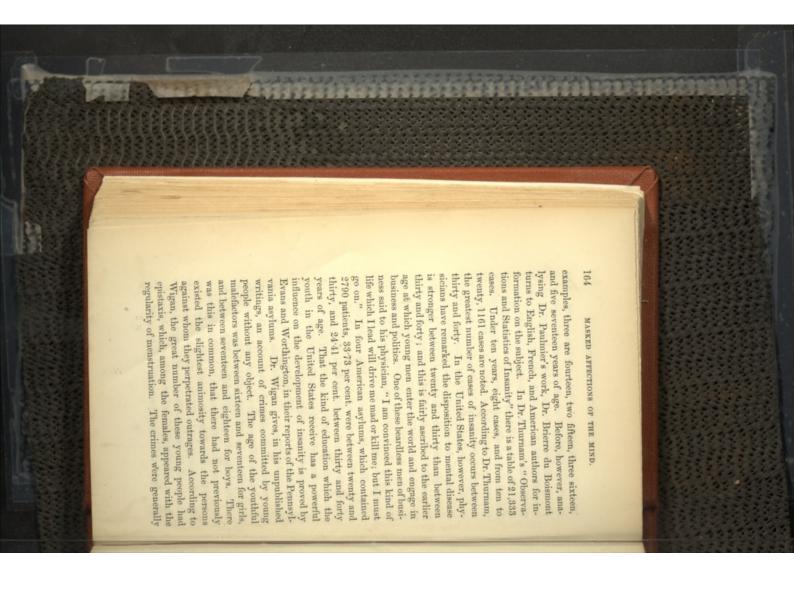
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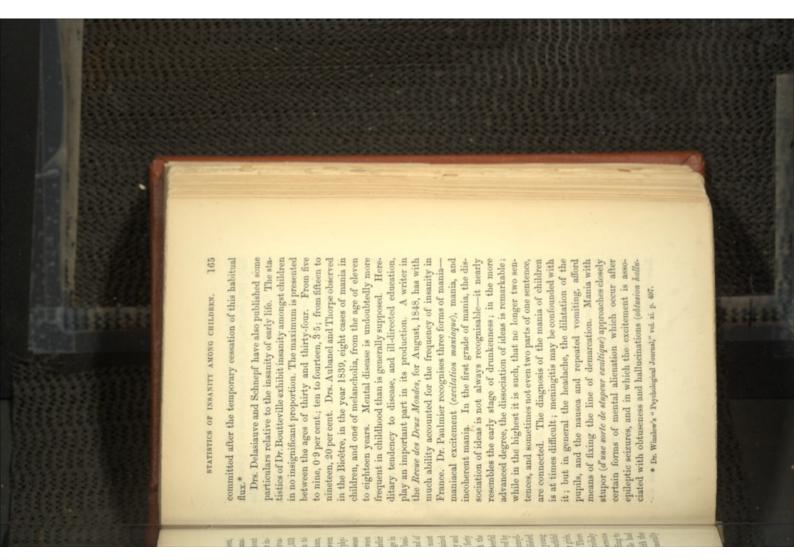
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cinatoire). With respect to prognosis, the insanity of early life, according to the observations of Dr. Paulmier, ends in recovery ; however, Dr. Delasiauve has made the remark, that a great susceptibility and disposition to a return of the mental disease often remains. Accordingly, many patients are found in the wards appropriated to adults, who had formerly been successfully treated as insance in the division assigned to children.

cause, sometimes sad, and at other times wild and unexperience. He says, that in a list of forty-two young sane in the division assigned to children. governable. They could never apply themselves steadily has almost always been, that they were, without any of the parents the character of the children, the answer with the age of puberty and menstruation. On inquiring influence of hereditary predisposition, and was connected number of cases, the disease manifested itself under the inherited from their parents. In by far the greater Paulmier's dissertation, by giving the results of his own tility which could not be restrained. Many had been flared up brilliantly for a moment. They would submit to work. They had no talent, or if it existed, it only fourteen and sixteen years of age, eighteen times was it people in whom the mental disease commenced between often protracted. In eighteen instances recovery took subject to spasmodic attacks. The incubation period was not to be excited by emulation. Others exhibited a volathemselves to no rules. Some were apathetic, and were tion of children and young people is a most serious disnumber of cases, recovery takes place, the mental alienanent. The conclusion is, that though, in a certain afforded insecure evidence of the recovery being permainability to assume any fixed position in life. Some place, but the persons were liable to relapse. There also remained a remarkable strangeness of character, and an Dr. Brierre du Boismont concludes his notice of Dr.

tion. In investigating this subject, it is necessary, as a nutely that degree or stage of the malady in which it is back to its origin, and to examine accurately and minot yet, but from which it may become, insanity. At an Upon analysing the patient's antecedents still more ease, partly from their antecedents, and partly on account malady impending over the patient, a task of grave hension of the experienced physician, it is almost indis-cernible, or, at least, of a dubious and uncertain character. generally, by acute morbid sensibility, physical and preliminary inquiry, to endeavour to trace the disease early period of the incipient stage, the patient complains of being very ill, and exclaims that he is losing his senses, often pertinaciously asserting that his mind is not his These symptoms will be considered more in detail, On investigating the history of those who have become insane, it will be ascertained, that long before any mental disease was apparent, they were subject to fits of apathy, had been in the habit of sitting for hours together in a state of moody abstraction, or brown study, and this, too, at a time when they had important domestic and other 167 of the imperfect development of the cerebral and other At the commencement of insanity, the derangement of the intellect is so slight and transient in its manifes. tations, as to render its recognition, as a formidable doubt, and great difficulty. To the unskilled, untutored, and untrained eye, the disease is, in its early stages, occasionally altogether invisible. Even to the practised appre-In its incipient stage, mental disorder is characterized mental, accompanied by a difficulty of fixing the attenwhen I proceed to speak of the stage of consciousness. · Vide Dr. Winslow's " Psychological Journal," No. XIII. (New Series). INCIPIENT SYMPTOMS OF INSANITY. duties to occupy their attention. organs.* OWD.

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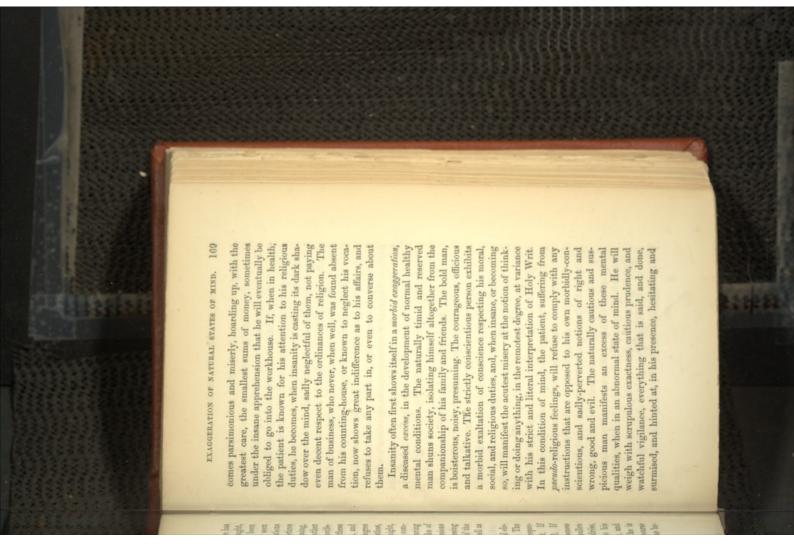
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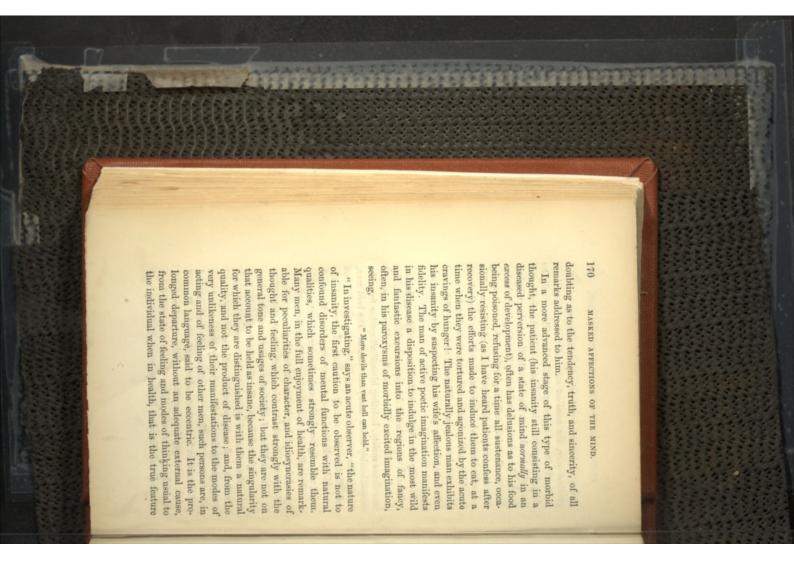
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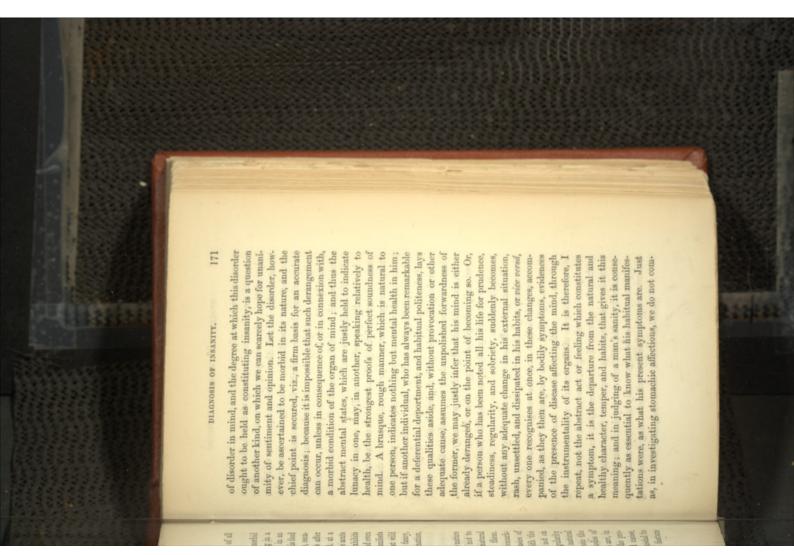
168

existed much irregularity and absurdity of thought, closely, it will be found that, for a long period, there has of intelligence. At other times, the patient is restless, the physiognomy is lighted up by an unnatural degree occasions, the eyes exhibit a bright, brilliant aspect, and rous, wild, ungovernable, and untrainable. On these times, he is forward and obstreperous, loud and vocifeconsidered as an oddity in his family, being rarely seen eccentricity and singularity of conduct. He has been dreams. All these symptoms are often indicative of the muscular convulsion, somnambulism, temporary illusions abstracted, and moody, during the day, and at night, are engaged in social union and converse, he retires in the domestic circle. When his friends and relations of alienation of mind. commencement of organic disease of the brain, as well as of the senses. He is liable to frightful and distressing his sleep, he is occasionally subject to slight attacks of plaining of headache, mental confusion, or vertigo. During slumbers and sleeps uneasily, often, when awaking, combrooding, and muttering nonsense to himself. At other quietly to his own room, where he is discovered musing,

In the early period of insanity, the most material elements of character undergo strange transformations. The man naturally remarkable for his caution and circumspection, becomes reckless, extravagant, and imprudent. If noted for his preciseness, he exhibits great carelessness and negligence. If gay and communicative, he is sullen and morose. If previously neat and particular in his dress, he becomes slovenly, dirty, and indifferent as to his attire. If timid, he is brave, resolute, overbearing, and presumptuous. If kind, gentle, and affectionate, he is rude, austere, irritable, and insulting in his intercourse and communications with others. If benevolent, he be-







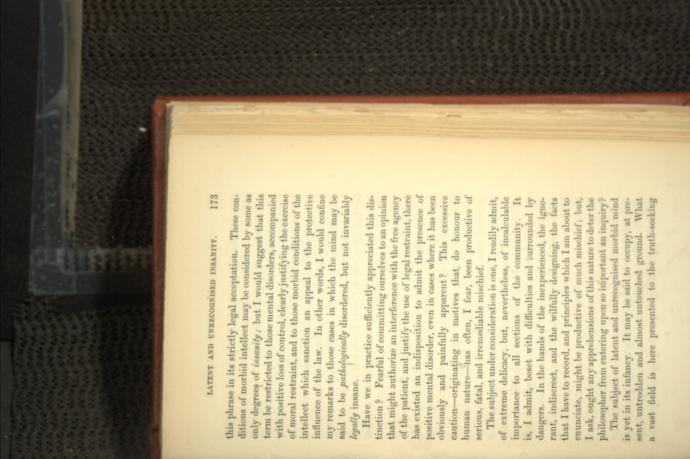
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pare the variations of appetite, or the strength of digestion, with any fixed or imaginary standard, but always judge of their value, as symptoms, in relation to their former state; because the moderate appetite, which is natural to one constitution, occurring in a person who had previously been remarkable for keenness, and power of digestion, would justly be considered as an indication of loss of health, while the voracious appetite, natural to a third, would, in a different constitution, be as sure an index of stomachic disease."*

In the ordinary practice of medicine we occasionally meet with cases of *bodily* disease which are at variance with past experience and \dot{a} priori notions, set at defiance preconceived views of morbid *physical* phenomena, resist every attempt to embody them within the *mosological* chart, and repudiate all reduction to any of the acknowledged orthodox pathological standards or tests. These affections are anomalous or *pseudo* in their character, are with difficulty defined, not easily diagnosed, occasionally altogether escape observation, and often resist, too successfully, the operation of the best directed remedial measures.

If, among the diseases more particularly implicating the ordinary organic functions, we witness these pseudo or eccentric deviations from the recognised pathological character, *à fortiori*, are we not justified in anticipating that in the subtle, complicated, varied, and often obscure affections of the cerebral structure, deranging the operations of thought, we should have brought within the sphere of our observation extraordinary, anomalous, and eccentric deviations from certain predetermined, morbid, cerebral, and psychical conditions? I presume it to be a generally admitted axiom that the mind may be *disordered* without being *instate*, using

* Dr. Andrew Combe on "Mental Derangement," 1831.



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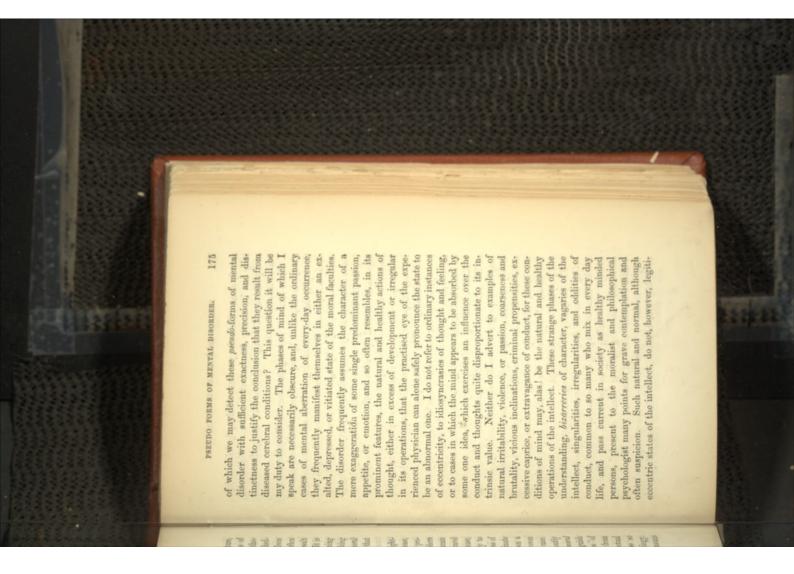
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observer, who, to a practical knowledge of human nature, adds an acquaintance with the higher departments of mental and moral philosophy, as well as of cerebral pathology. How much of the bitterness, misery, and wretchedness so often witnessed in the bosom of families arises from eoncealed and undetected mental alienation 1 How often do we witness ruin, beggary, disgrace, and death result from such unrecognised morbid mental conditions! If is the canker worm gnaving at the vitals, and undermining the happiness of many a domestic hearth. Can nothing be done to arrest the fearful progress of this moral avalanche, or arrest the course of the rapid current that is hurling so many to ruin and destruction f

and administer relief to human suffering, fearlessly to the mysterious and complicated phenomena of disease, inquiries, as practical physicians called upon to unravel engaged in the loftiest and most ennobling of human fession, as guardians of the public health, as philosophers and it therefore behoves the members of the medical proful extent in real life. It is unhappily on the increase, and moral manifestations, clearly bringing those so natural conditions of the intellect, both in its intellectual implicate the affections, propensities, appetites, and moral with the mental and social well-being of the human race. matter so intimately associated and so closely interwoven sound principles of pathology and therapeuties upon a families, and to exert their utmost ability to disseminate grapple with an evil which is sapping the happiness of Are there any unfailing diagnostic symptoms by means affected within the legitimate domain of pathology thought, passion, appetite, and those deviations from between normal or healthy mental irregularities of sense. In many instances it is difficult to distinguish This type of morbid mental disorder exists to a fright-These unrecognised morbid conditions most frequently

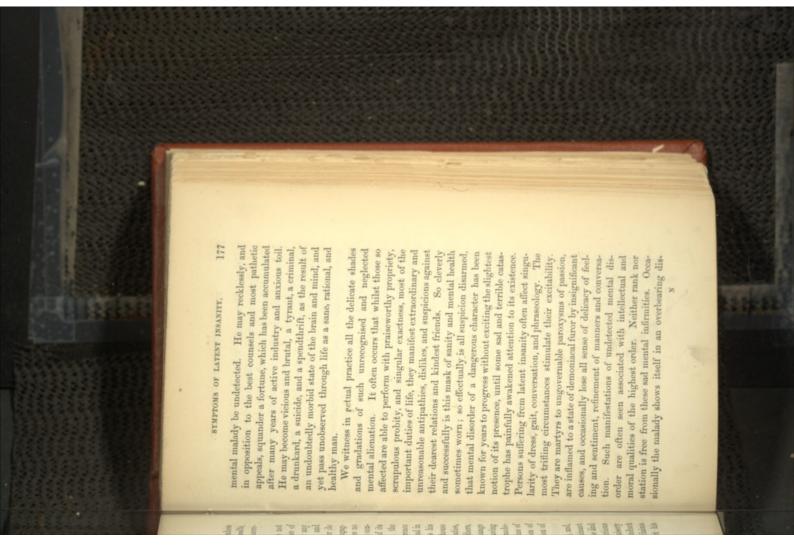


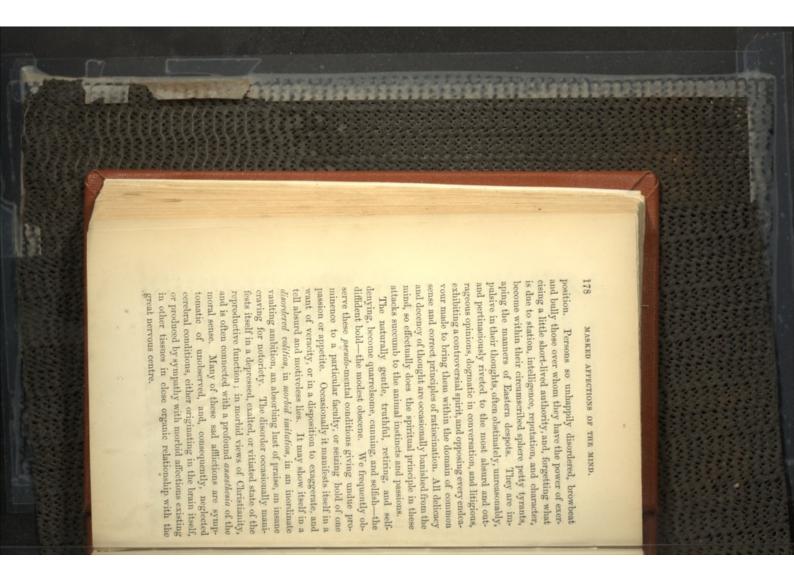
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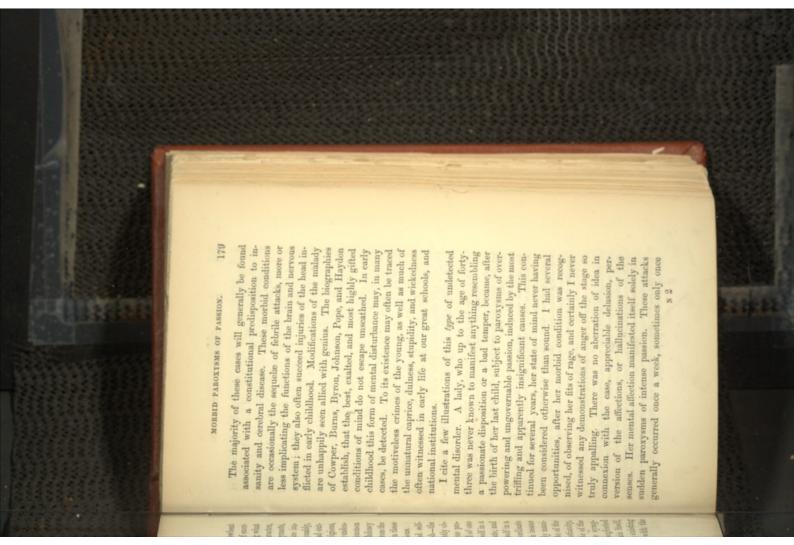
mately come within the province of the *physician* unless they can be clearly demonstrated to be *morbid results*, and positive and clearly established deviations from core-

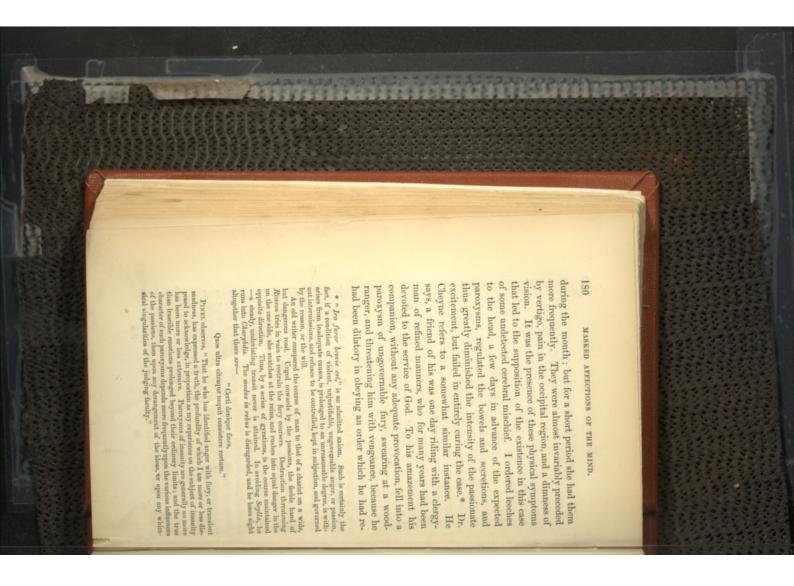
conduct such as to justify legal interference; neither do obvious departure from a normal state of thought and the bodily health demanding medical attention, or any always accompanied by any well-marked disturbance of and rationality. The afflicted person mixes as usual in memory its power, the conversation its perfect coherence tinues to dazzle, and the repartee has lost none of its appreciable morbid alienation of affection. The wit coning in the ordinary business of life. There may be no these affections always incapacitate the party from engagbral or mental health. guests, goes to the stock-exchange, the counting-house brilliancy. The fancy retains its playfulness, the cular modifications in the delicate vesicular neurine of slowly and almost imperceptibly induced important molemay have progressed insidiously and stealthily, having of his actual morbid mental condition. The change without exhibiting evidence, very conclusive to others, or bank, and engages actively in his professional duties, society, sits at the head of his own table, entertains his the propensities and instincts. the ideas, alteration of the affections, or perversion of the brain, ultimately resulting in some aberration of These forms of unrecognised mental disorder are not

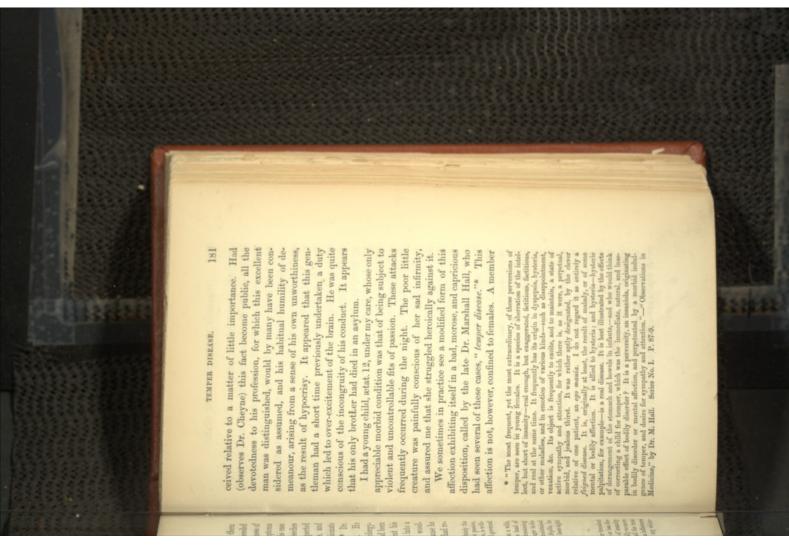
The party may be an unrecognised monomaniae, and, acting under the despotic influence of one predominant morbid idea, be bringing destruction upon his home and family. His feeling may be perverted, and affections alienated, thus engendering much concealed misery within the sacred circle of domestic life. His conduct may be brutal to those who have the strongest claims upon his love, kindness, and forbearance, and yet his







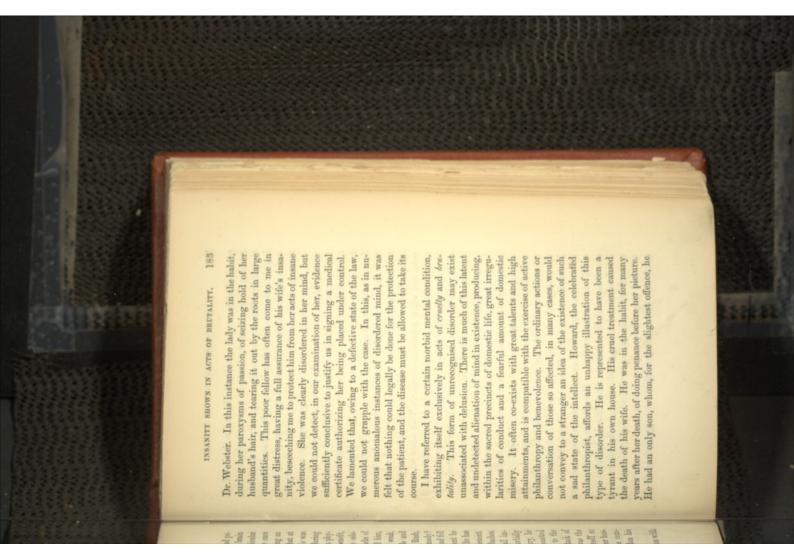


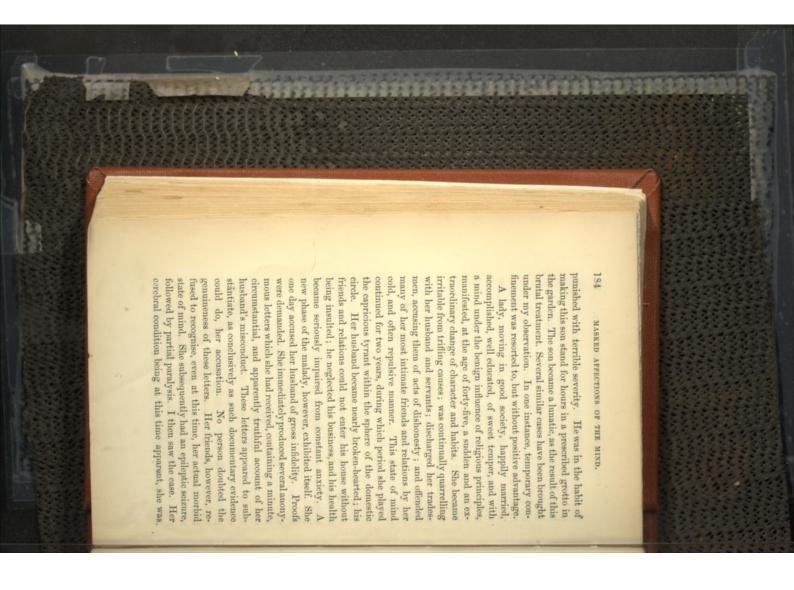


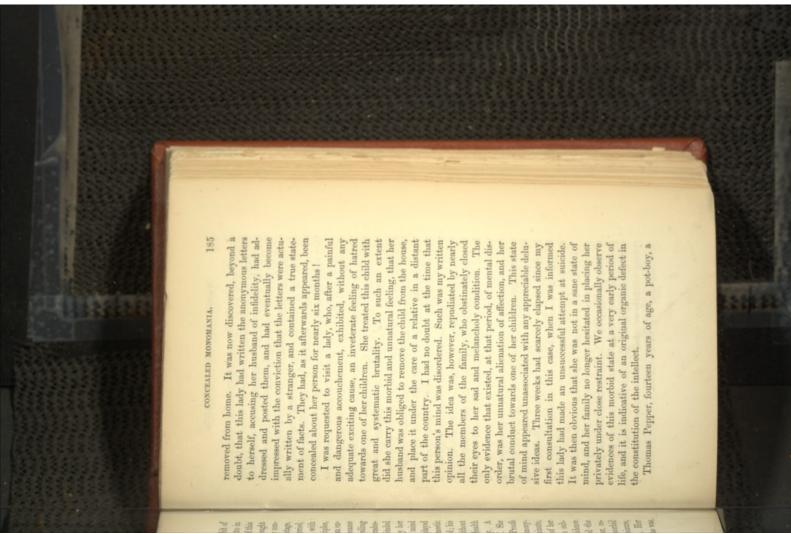
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riodical attacks of this nature, particularly after his brain of the House of Commons, many years deceased, had pea dose of laudanum have been the appropriate remedy? A young gentleman was thrown from his horse, and fell the fit, and occasionally, when suffering from much phyin the habit of dashing cold water over the head during these periods he was temporarily deranged. He was electioneering speech, being perfectly conscious that at saw him in a terrible paroxysm of fury after making an friend of the gentleman to whom I refer, that he once continued in a state of coma. Since his recovery he has upon his head. For ten minutes after the accident he healthy excitement of brain. Would not, adds Dr. Rush morbid cerebral action, and producing agreeable and probably, as Dr. Rush remarks, by overcoming a weak this nature. A bottle of claret generally cured him, brated Spanish General Galvez was subject to attacks of to drink at a draught a pint of port wine. The celesical exhaustion, he has been known, with great benefit, had been overwrought. I was informed by a particular case of a lady, who, after her recovery from an attack of exhibited the most extraordinary degree of self-control paired, but he continues to suffer from these morbidly His mental faculties do not appear much, if at all im-These attacks are generally preceded by severe headaches. reverse of her natural disposition. She made herself so brain fever, became extremely irascible. This was the and equanimity of temper. Dr. Beddoes refers to the painful ebullitions of temper. Prior to the injury, he been subject to furious fits of passionate excitement. pelled to separate himself from her, and abandon his band, a most amiable and self-denying man, was comoffensively disagreeable to all her family, that her hus-

A somewhat similar case I visited in consultation with





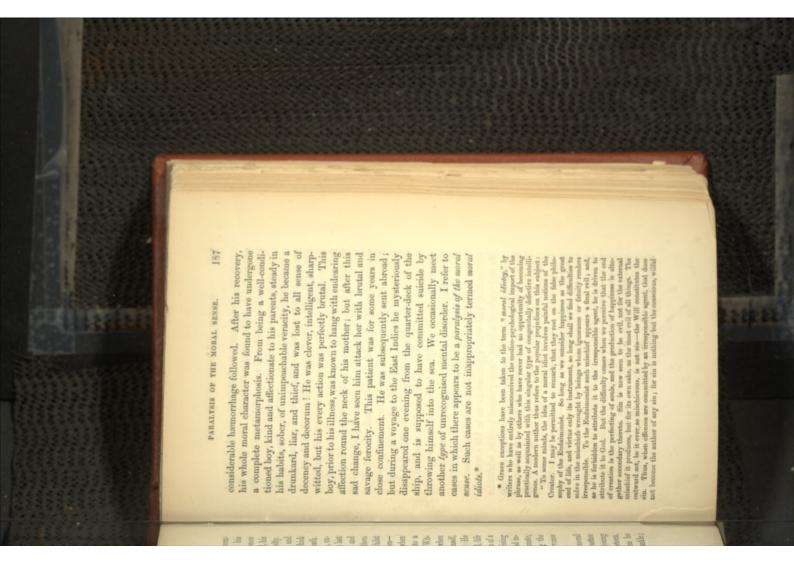


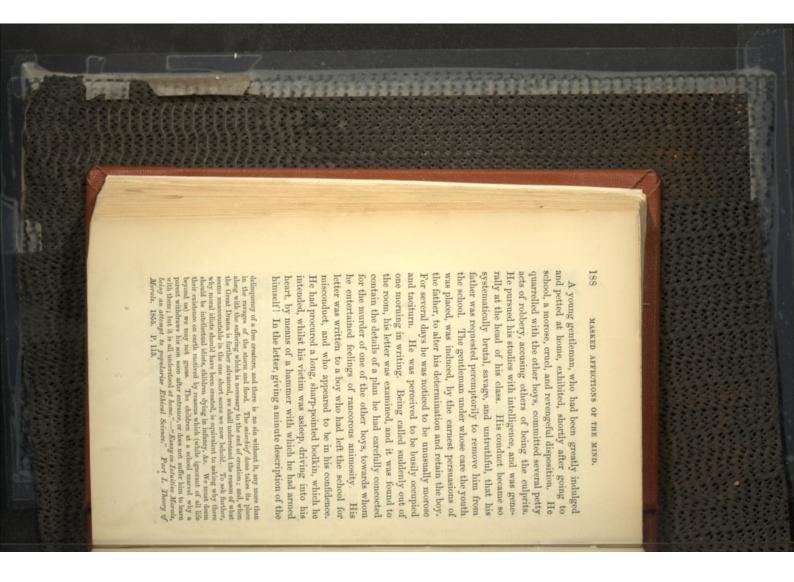
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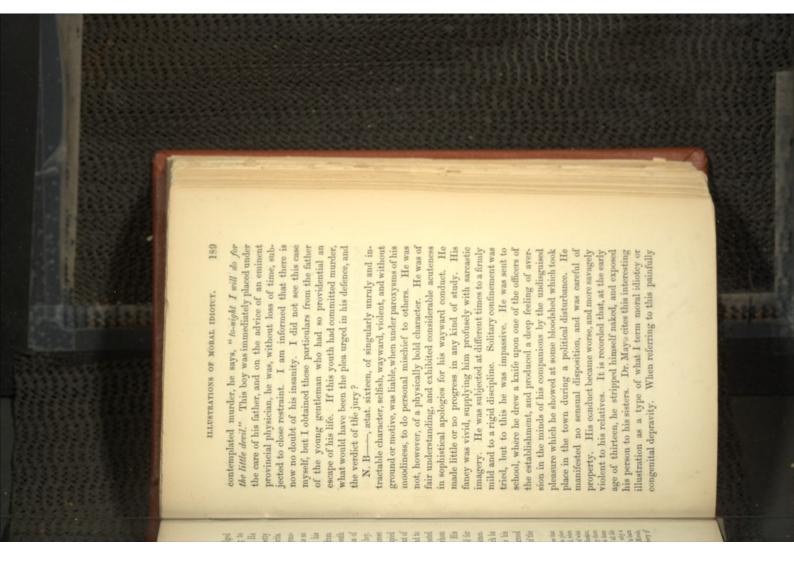
that the mind of the deceased was peculiarly formed, his master's bowling-green. It appeared from the evidence mitted suicide by hanging himself in an arbour in his clever lad, but of sullen and morose disposition, comthrow them into the fire, that he might observe them they appeared to suffer whilst in the agonies of death. other animals for the purpose of enjoying the pain which conduct frequently evincing a predisposition to cruelty. they cried out with pain, he would burst out into a whilst burning. He had also been observed, whilst kick." He had often been known to catch flies and claiming-" Here's a lark; he is just having his last He would often call boys to witness these sports, ex-He had been frequently known to hang up mice and only ten years of age, he attempted to strangle himself, nesses deposed that about four years previously, when fiendish paroxysm of delight at their sufferings. Witlifting them off the ground by their ears; and when passing along the street, to pull the ears of the childrenfrom a congenital mal-organization of the brain and intype of mental depravity, occurring in early life, arising was nearly extinct.* I refer to this as an illustration of a locked himself up in a room, and, when discovered, life in consequence of his mother having chastised him. He healthy condition of the brain. It occasionally supervenes hereditary, or be the sequelæ of disease affecting the tellect. This morbid disposition may be either connate, upon injuries of the head.

of a severe injury that he had sustained. This young was attacked by fever. In a paroxysm of delirium he gentleman, when of the age of eighteen or nineteen, character had become completely changed in consequence sprung violently out of bed, and severely cut his ankle; I saw, some years ago, a youth whose whole moral

* From the Times.









190

anomalous class of affections, the late Dr. Woodward, Physician to the State Lunatic Asylum of Massachusetts,

observes,-

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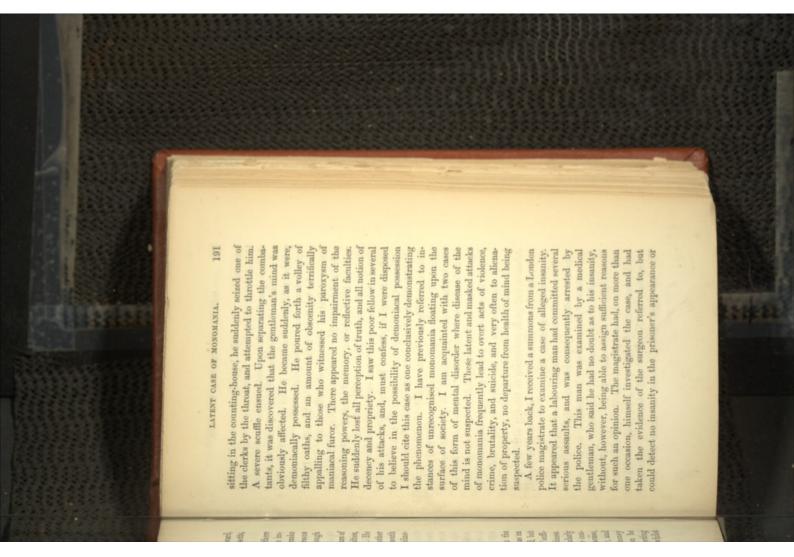
they are by no means idiots in understanding." to whom I refer have rarely much vigour of mind, although seems to me to be cases of moral idiotcy, or such an imthe individual irresponsible for his actions. The persons becile state of the affective faculties from birth as to make " Besides a disease of the intellectual powers there

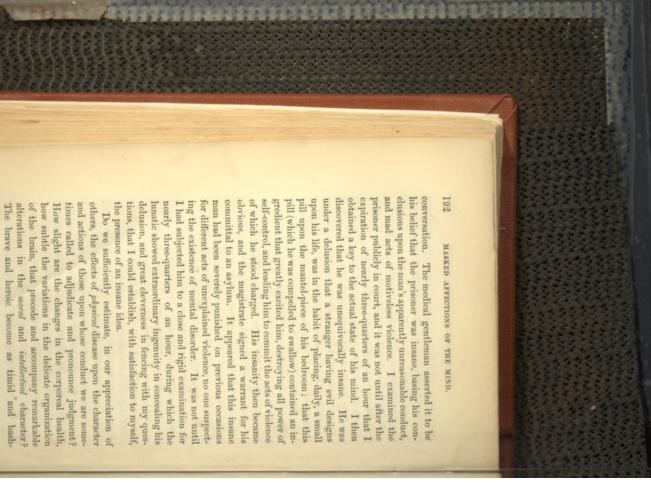
a faithful portrait of this class of case? When delinemen." Has not Shakspeare placed in Edgar's mouth and yet he was conscious of his lamentable state. He age, appeared to possess no one of the moral faculties, often asked, "why God had not made him like other A boy under Dr. Haslam's care, only thirteen years of

ating his own character, Edgar exclaims,-

- "I was a serving man, proud in heart and mind, Trata served the last of my mixtress's heart, And did the set of darkness with herr; Swore as nanuy ouths as t spake works; Wine I loved deeply, dice dearly : I was fails of heart, light of ears, and bloody of hand ; Hog in filth, for in stealth, wolf in greediness, Dog in madness, lice in prey."

if exposed to much anxiety. For some months he conrecovered from the effects of the injury. When of suffi-ciently advanced age, he joined his father in business. a morbid state of the intellect. One morning whilst usher in the institution. He was partially stunned, but head when at school by a brutal fellow employed as an remained for seven or eight months, no one suspecting from his father's private desk. In this condition he was detected in abstracting several large sums of money became the associate of the lowest class of society, and tinued sullen, was often absent from the counting-house, He became subject to attacks of headache, particularly A boy, in early life, was struck violently upon the





THE EFFECTS OF DISEASED BRAIN ON CHARACTER. 193 Mild, inoffensive, and humane men are driven to acts of desperation and cruelty under the influence of certain physical diseases disturbing and deranging the operations of thought. "Men (it has been observed) have ful as coy maidens in particular states of ill-health. their ebbs and flows of bravery, and some distempers dreadful battle of Mayence, high health and vigour, could dauntlessly advance with heroic courage to the mouths The celebrated General CUSTINE, possessing at the of the Austrian⁶ cannon, yet after having suffered stantly quarrelling with his relations, friends, and do-mestics; in fact, he became notorious for being an ill-A gentleman was, for many years, remarkable for severely from bodily disease, and loss of nervous energy, he proved a dastardly poltroon and coward at the sight great irascibility and violence of temper. He was conconditioned man, with whom no person could for many days live, or associate on amicable terms. He suddenly became ill, complained of a feeling of great uneasiness in This was followed by a violent attack of epilepsy. He recovered from the paroxysm, and, to the astonishment of all his relations and friends, his character had undergone a complete metamorphosis. He became a mild, good-tempered, and placid man, disposed when, in the act of getting out of a railway carriage, he to live, on the most friendly understanding, with everybited great irritability, with occasional paroxysms of ungovernable rage. This mental condition continued for This state of mind existed for eighteen months, had a second epileptic fit. This was succeeded by a return of his former violence of conduct. He again exhisix months, when he had a recurrence of the epileptic bring a mechanical terror upon the imagination." 0 * Referred to by Dr. Thomas Beddoes in his " Hygeis." of the guillotine !* his head. body.

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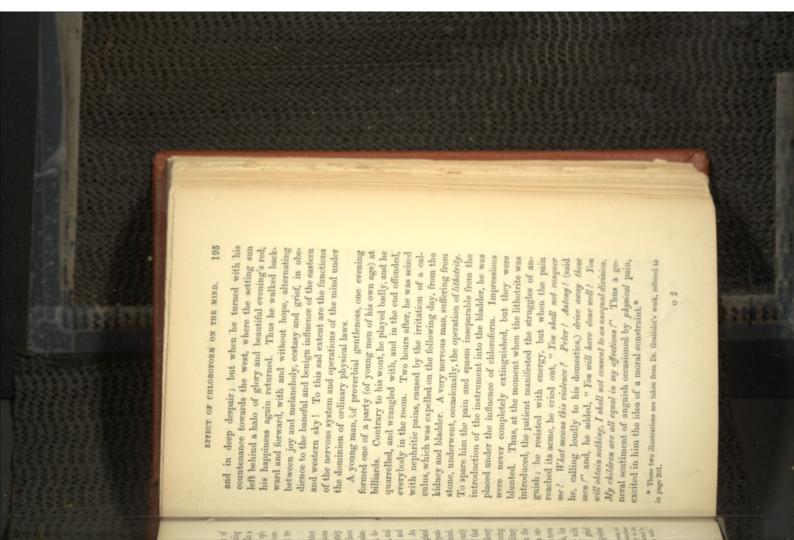
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mental composure, great self-control, and astonishing fits, followed, singular to relate, by a condition of few weeks he had a succession of severe attacks of epiequanimity, when exposed to extreme provocation. In a sidered necessary to place this gentleman under relepsy associated with maniacal symptoms. It was con-

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meteorological changes give rise to singular alternations of despondency, despair, hope, and joy, so completely straint, and he is now in confinement. cholia during the prevalence of a cold, blighting, dedoes the mind succumb to physical influences. life to the buoyant air, and bright azure sky of that edly suggesting itself to his morbidly depressed mind. without the distressing idea of self-destruction repeat-Italian artist never could reside a winter in England more congenial conditions of the atmosphere!" An free from all desire to injure himself under other and pressing east wind, who appeared happy, contented, and known a person subject to attacks of suicidal melanif compelled to reside many weeks in London during country, sink into profound states of mental despondency the earlier portion of the winter season. A military I have known natives of France, accustomed from early pressed doubly and heavily upon him; he was hopeless black, as was, alas! his poor soul. face fronted the east, where the sky was hung with in which he resided. When he walked forwards, his tain track, towards evening, on the ramparts of the town habit of promenading backward and forward in a cerman, suffering from severe mental dejection, was in the In some conditions of nervous disorder, the slightest Then his grief I have

" Could we pendrate into the secret foundation of human events, we should frequently find the *misfortunes* of one man caused by the *intertime* of another, whom the former endeavoured to inspire with sympathy in his fake, at a moment when the frame of rund of the latter was affected by finded secretion. An hour later, and his fortune would have been made." — Fouchtendeben's " Medical Psychology."



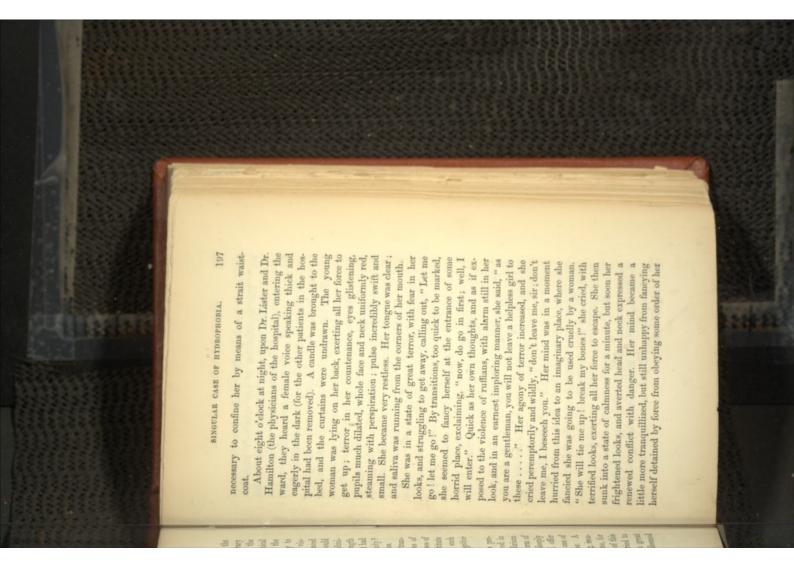
MASKED AFFECTIONS OF THE MIND.

196

In what respect do these phenomena differ from the state of the mind in insanity except in their temporary and transient character? Suppose a continuance of the manifestation, and a loss of volitional power over the actions, and we observe that irritability, tendency to violent conduct, disposition to motiveless acts of violence, so often witnessed in the early as well as advanced stages of mental derangement. Again, if we could stages of mental derangement Again, if we could stages of mental derangement followed the administration of chloroform to be in existence for any length of time after the acute effect of the *amæsthetic* agent had subsided, would not the state be one of insanity? These illustrations could be multiplied *ad kidum*.

There are many conditions or eccuric uncegory sient states of intellect, temporary manifestations of irregular and erratic emotion, and evanescent phases of violent, ungovernable passion, which would constitute insanity, and insanity, too, of a formidable type, if such states of mind were of a *persistent*, and not of a *fugitive*

and transient character. viously been referred to, are occasionally observed in caused by the absorption into the blood of some form of patients suffering from temporary attacks of delirium no apology for quoting in detail. interesting illustration of the kind, which I offer poison. There is upon record a remarkable, and deeply agitation, "I have done no harm." It was then deemed gining that she had been accused of some erime, for throw herself out of the window, saying with great delusion she sprang up to make her escape, and tried to which she was in prison. Under the influence of this few days after the attack she commenced raving, imahydrophobia, occurring in a female aged twenty-one. A Psychical phenomena, analogous to what has pre-The case was one of

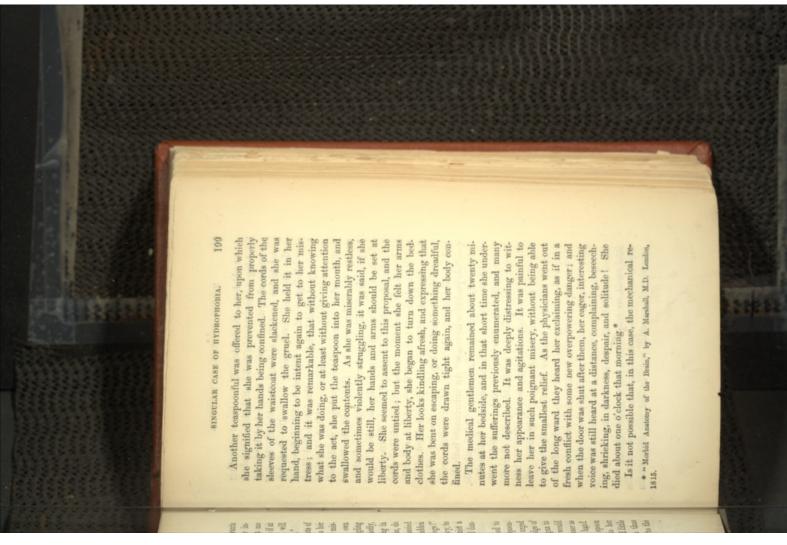


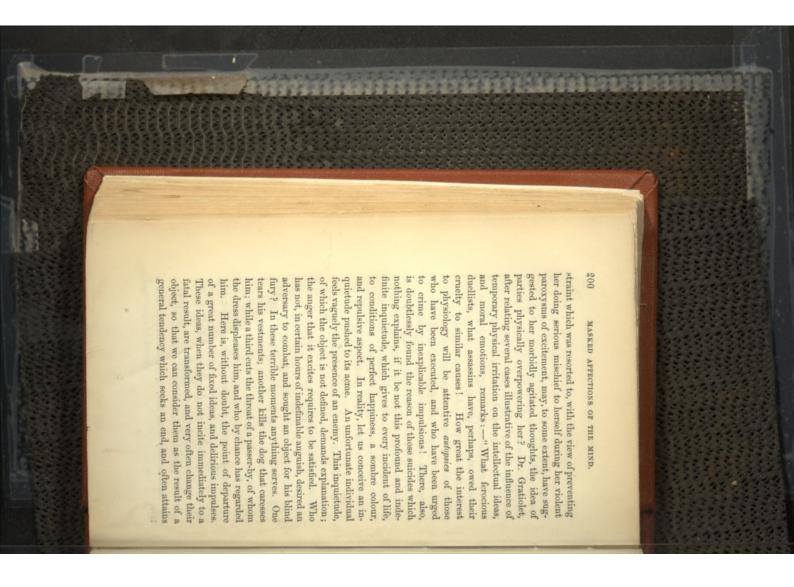
198 MASKED APPECTIONS OF THE MIND.

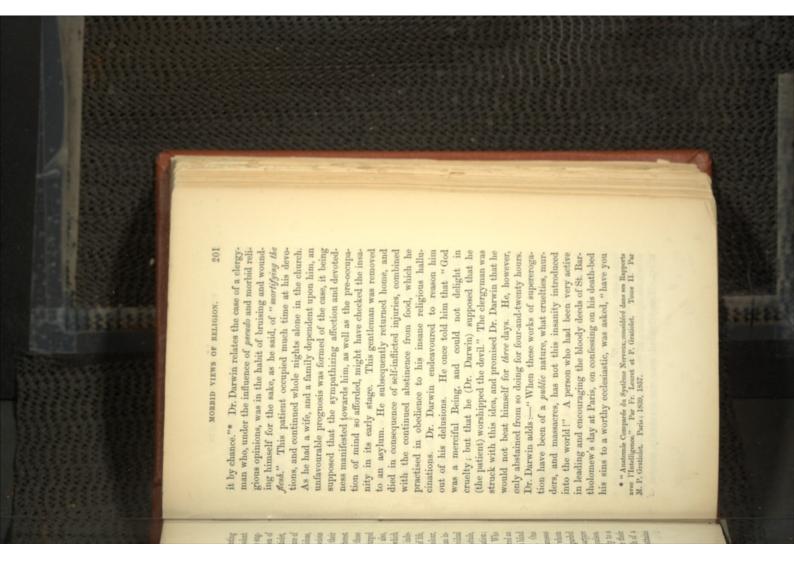
mistress. "Let me go, (she cried) my mistress wants me." The apprehension of her mistress's anger increased, and she vociferated, "I beseech you let me go," then, with imploring looks, added, "I pray, as if at Heaven's gates, let me go, but for five minutes; I will return to you, indeed I will; my mistress calls me."

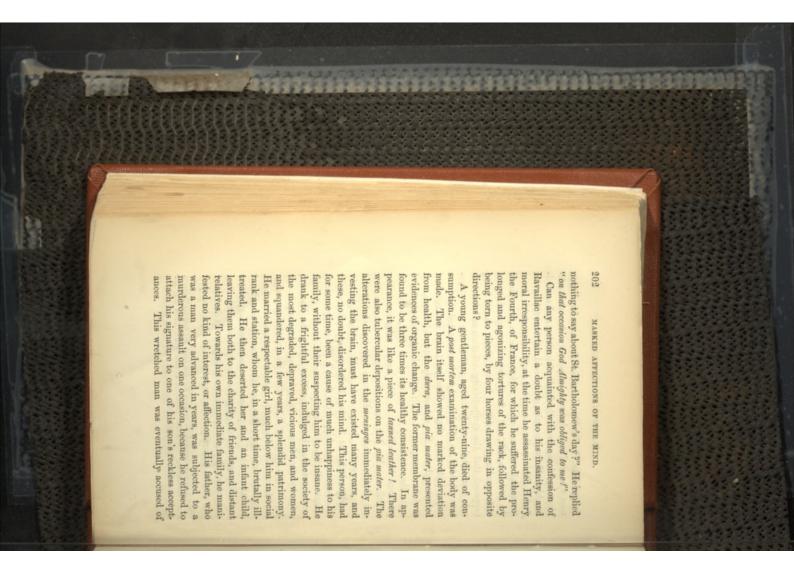
gers she had escaped. not hinder me, I must go." In a moment, she fancied dropped it under a fold of the blanket, exclaiming in hard, as with an idea to get home, she, as if designedly, hand, muttering, "It will choke me." tress." She then received the orange into her own to eat. She said, "I will, do let me go to my misher mistress's anger, a piece of orange was offered to her minute or two, as if breathing from the toils and danhave reached a place of safety, where she lay quiet a After this emotion, she appeared, in her excited fancy, to terror she cried out, "they are breaking my legs !" herself again exposed to acts of cruelty, for with sudden accents of wild despair, "As you are a gentleman, do While she was thus occupied with the thoughts of Then struggling

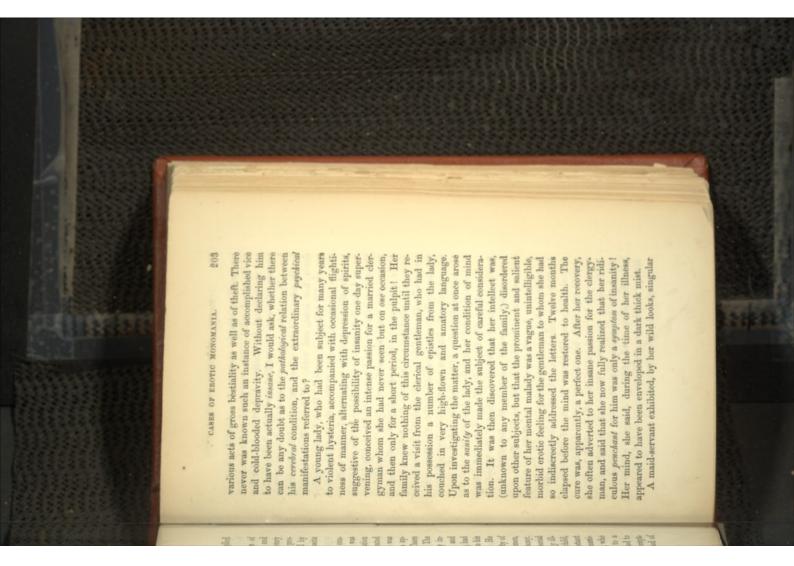
The opportunity of her being calmer was seized to engage her attention to a present object. A teaspouful of gruel was offered her to drink, and she was urged to take it. She said, as if returned to the knowledge of her real situation, she was not dry, and then began to her real situation, she was not dry, and then began to do her good. Upon which she seemed by her manner as if she wanted to have the spoon in her own hand. It was given to her; but she only kept the spoon in her hand, requesting to be allowed to go to her mistress, until she spilled the contents by little and little on the bed-clothes. Her attention having been thus called to present objects, she seemed to return to the knowledge of herself.









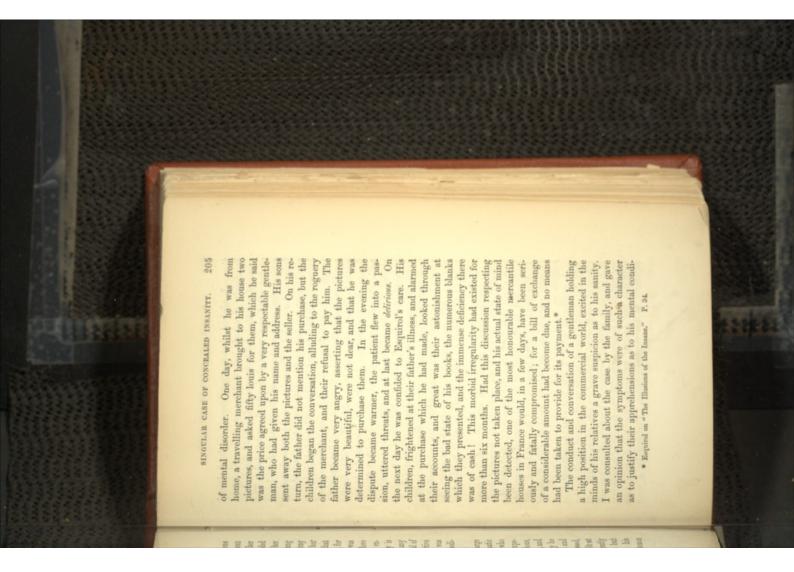


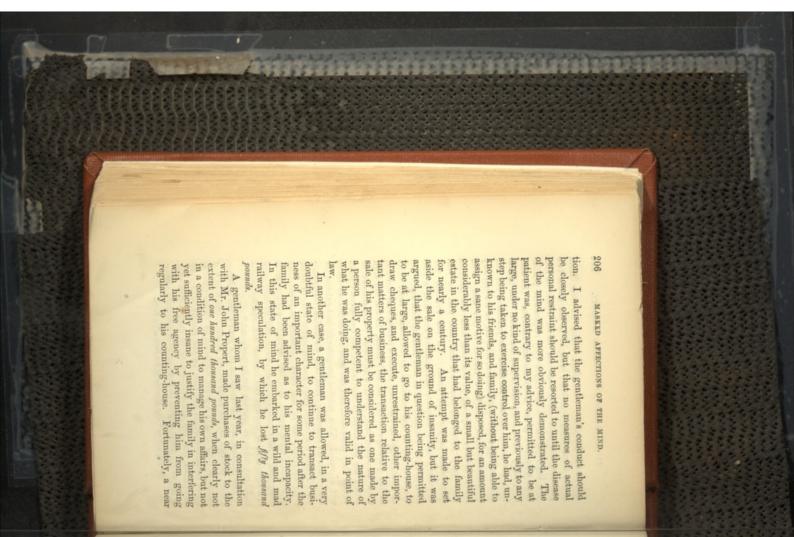
MASKED AFFECTIONS OF THE MIND.

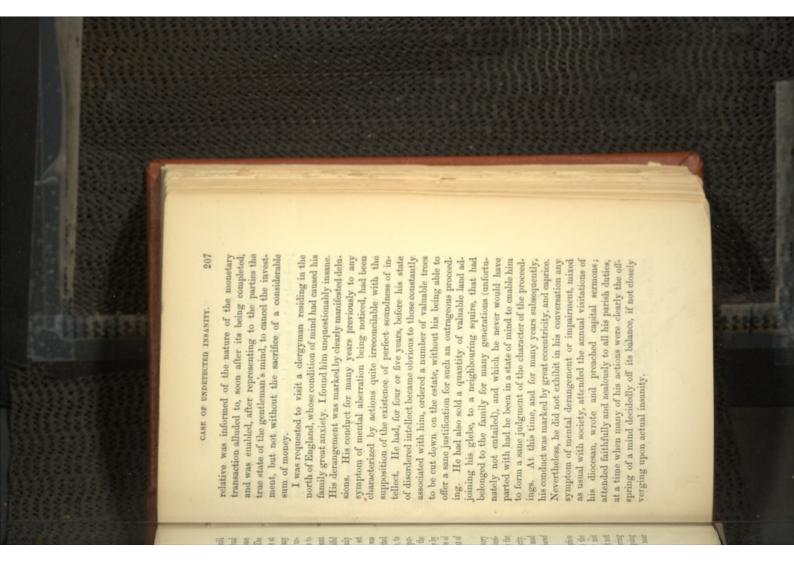
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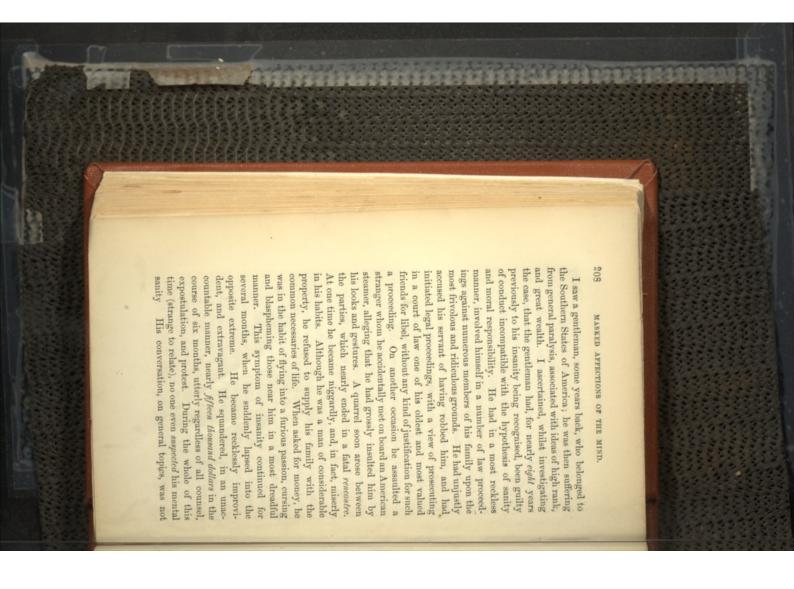
as ever poor wench was, and your physic has quite enyou give those mad folk is very comical sort of stuff, for that he would not, she said, " Why, sir, that physic that me, sir, I'll tell you a secret." Upon his assuring her down her head, and said, " If you will not betray health, prior to being placed in an asylum, she hung her. Upon being questioned as to the state of her recovery she met the medical man who had attended and was restored to health. A short period after her of disordered mind. She was placed under treatment conversation, strange manner, &c., decided symptoms eine was successful in arresting and curing !* one else." The medicine so effectual in the removal of tirely cured me. I am now as happy as the day is the first manifestation of her insanity, which the medicalomel purges! The fact was, the girl's love affair was the love-madness was an emetic, and two or three active long, and I mind the man no more than I do you or any the matter with me, but I was most desperately in love when I was first sent to you, nothing in the world was

temperament, mild and gentle in his disposition, who family, of a strong constitution, although of a lymphatic had acquired a considerable fortune in business, expefamily, friends, or neighbours, suspected the existence notwithstanding these trifling changes, neither his absent from his warehouse and business than usual: his increasing prosperity. He was also more frequently contrary to his usual habits, the delight which he felt at shortly afterwards became very active, and expressed, formed a large establishment for one of his sons, and healthily organized brain. About a year previously he however, to affect any one possessing a vigorous mind, and rienced some domestic troubles, not sufficiently serious, A merchant, fifty-five years of age, father of a large * Bingham on " Mental Diseases." P. 137-8. but









MOTIVELESS ACTS OF BRUTALITY. 209

only coherent and rational, but it was marked by vigorous intelligence, and great sagacity. His letters also were free from all symptoms of aberration of intellect, and occasionally he attended public meetings, and spoke with great eloquence and effect. His state of mind did not excite suspicion, until one day, whilst attending a railway meeting as one of the directors, he arose, and addressing the chairman, offered to purchase, on his own account, all the disposable shares in the possession of the company, and this, too, at a time when it was believed to be, and literally was, on the verge of *bankrupty l*

Let us charitably hope that many extraordinary and apparently unreasonable and motiveless acts of brutality, violence, cruelty, passion, and crime, that result from trifling and inadequate exciting causes acting upon congenitally weak and badly organized intellects, may have their origin in some form of latent disease of the brain, concealed, or unrecognised disorder of the mind. Is not the sad history of crime fraught with illustrations of this kind?

Let it not, for one moment, be conceived, that I have the least desire to screen the criminal from the just and *legal* punishment awarded for flagrant violations of the law, or that I am disposed to ruise a false issue, or encourage a morbid sentimentality, or maudlin sympathy in his favour. Such are not my views. Whilst desiring to urge everything that can scientifically be said in defence of the eulprit, I am not unmindful of what is necessary for the safety of society, as well as what is righteously unjured.

But is there nothing, I ask, to be advanced in the way of apology, for the poor, wretched, heart-broken lumatic, irresistibly driven by a discased brain, and a perverted

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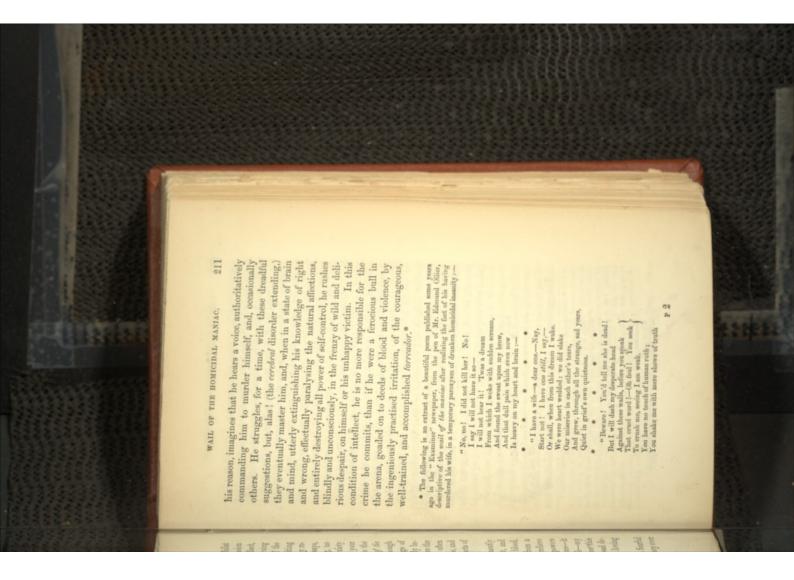
MASKED AFFECTIONS OF THE MIND.

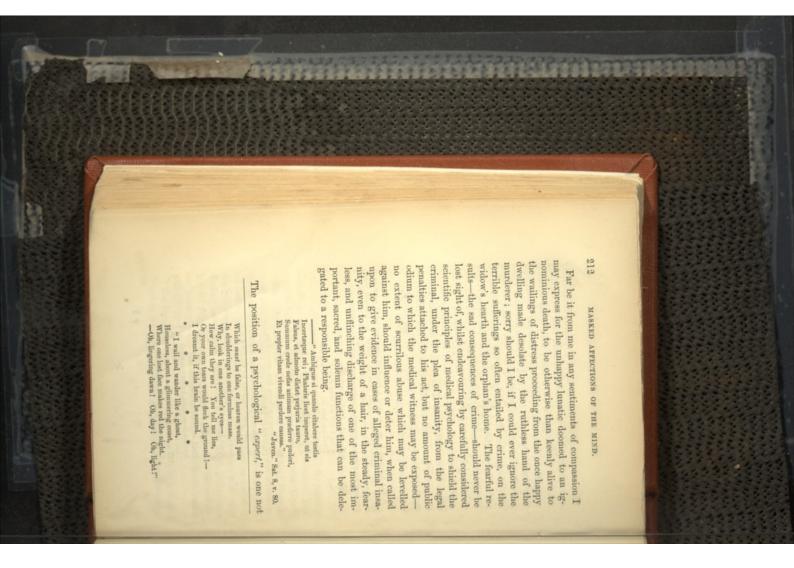
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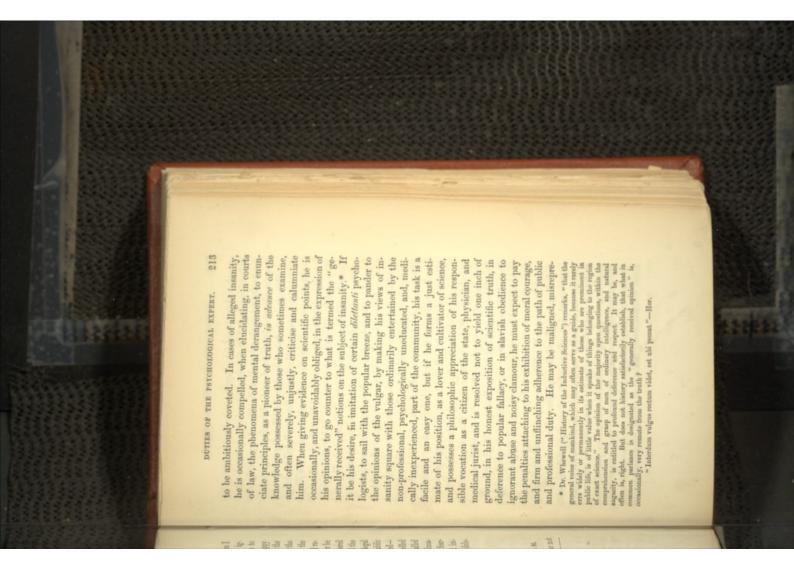
of the senses, or crushing hallucination of the intellect, under the overwhelming dominion of a fearful illusion imagination, to an act of murderous vielence, whilst all freedom of the will? Poor Cowper, himself the destroying the power of healthy reason, and paralysing doubt, great distress to yourself, and considerable anxiety covered from an attack of severe bodily disease, says, a congratulatory letter to a friend who had recently resubject of a severe form of hypochondriasis, when writing to your relations and friends; but, oh ! what are your "Your illness has indeed been a sad one, causing, no it be) for the murdered victim, and in our feelings of unceasing mental torture I suffer from a fever of the experiences before he yields to the delirious impulse, and extent of acutely agonizing suffering the lunatic often deep compassion for those who survive to bitterly bemind ?" I am afraid, in our sympathy (natural though bodily sufferings, acute as they undoubtedly were, to the mean his loss, we are occasionally disposed to ignore the commits a crime so opposed to the strongest instincts of

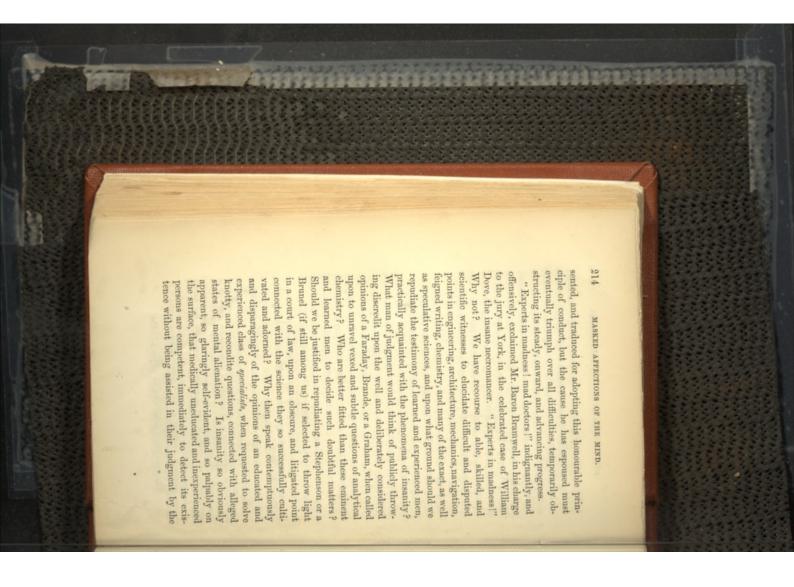
his nature. In homicidal insanity, the victim is, alas! frequently related to the lunatic by the closest, the fondest, and dearest ties. A morbid desire to shed human blood, (caused by particular affections of the brain,) from a (conviction that something dreadful *must be done* to relieve conviction that something dreadful *must be done* to relieve the mind of its terrible pressure, occasionally overpowers all feeling of fraternity and love. "It *must* be done—it all be done—blood must be shed—my dear wife—my *shall* be done—blood must be shed—my dear wife—my darling infant must perish by my own hand, before this mental anguish can pass away." Such was the sad description given of the morbid feelings of the most loving and affectionate of husbands and fathers.

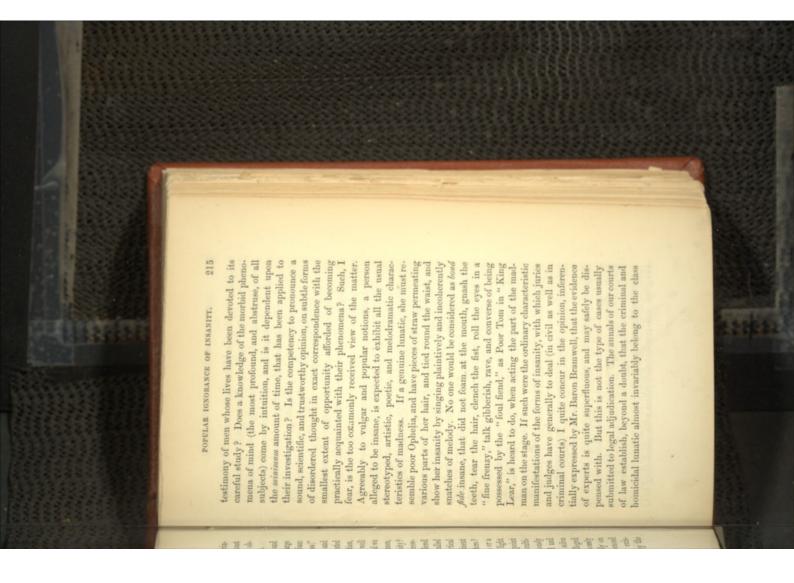
The lunatic, driven to destroy human life, by a fearful delusion, which has obtained a complete ascendancy over

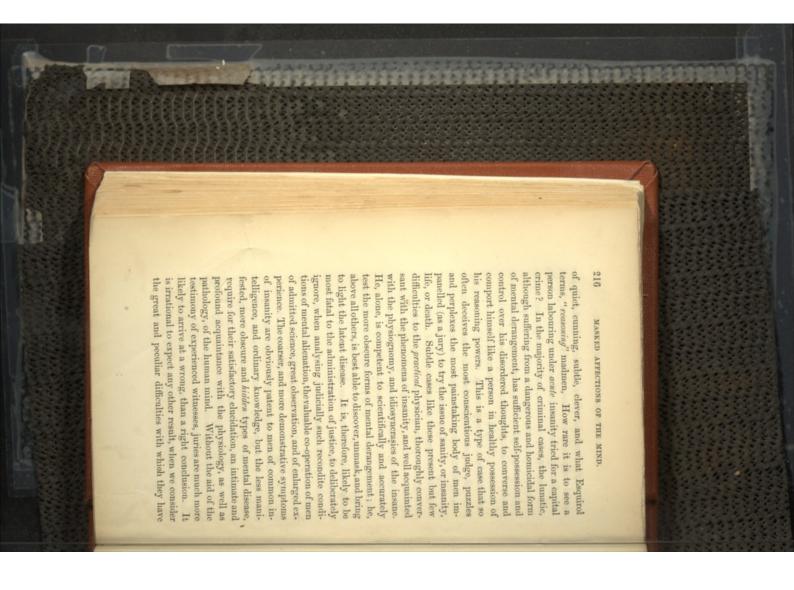


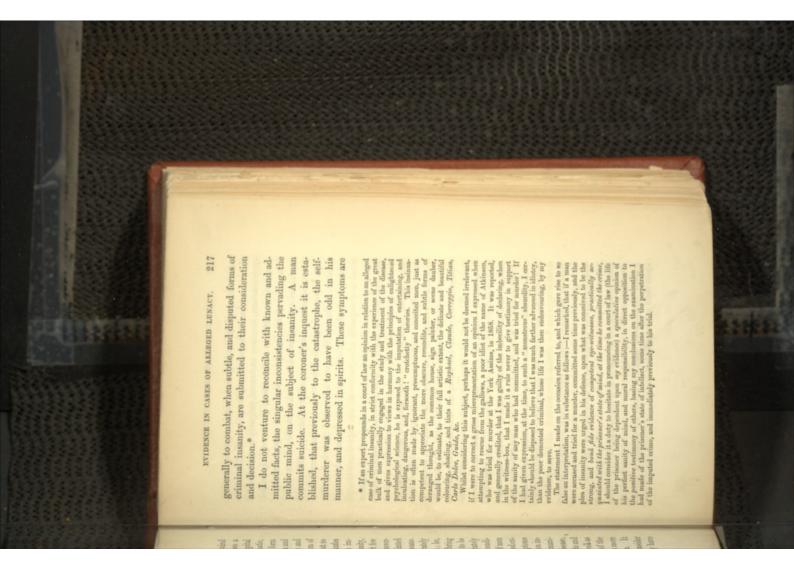


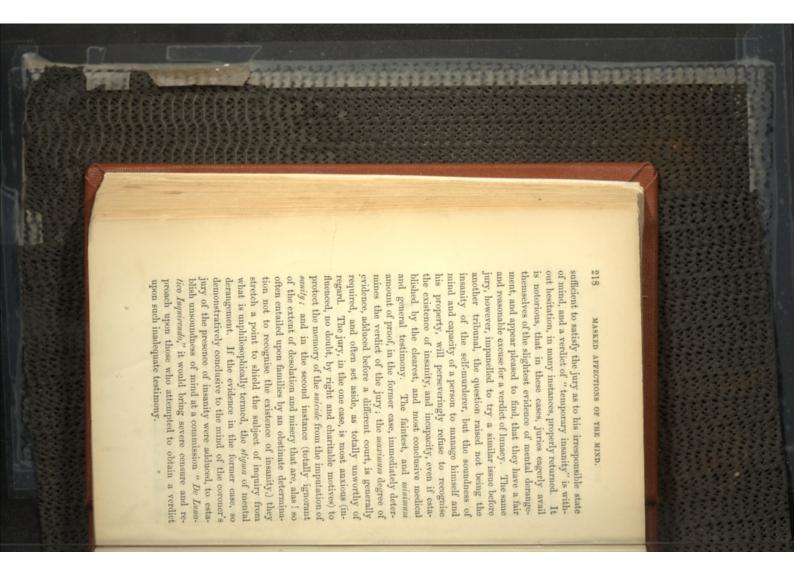


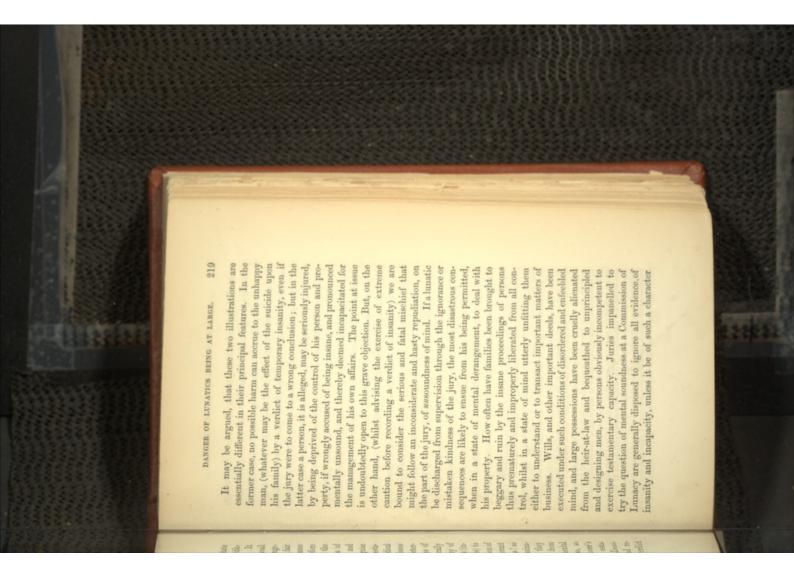


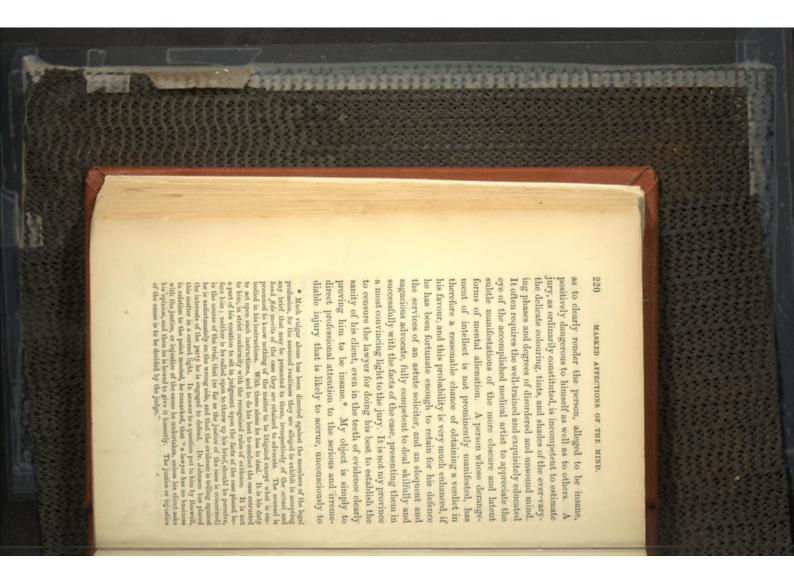


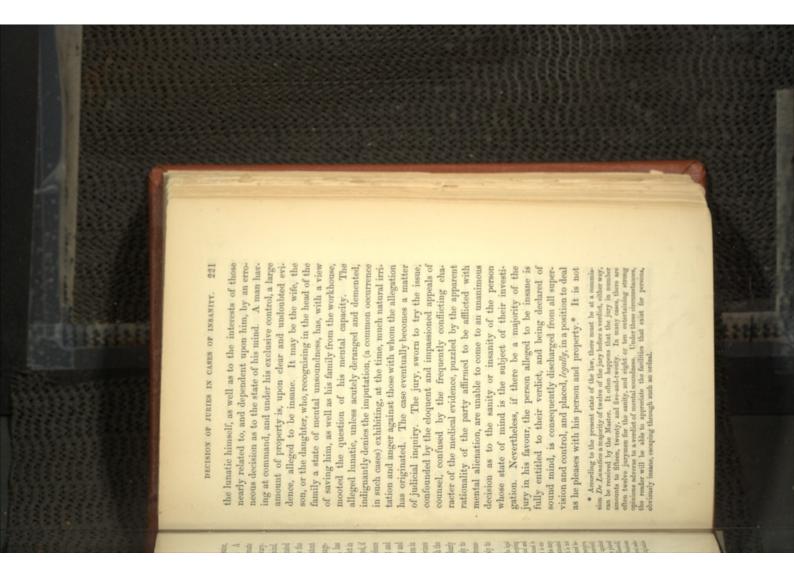


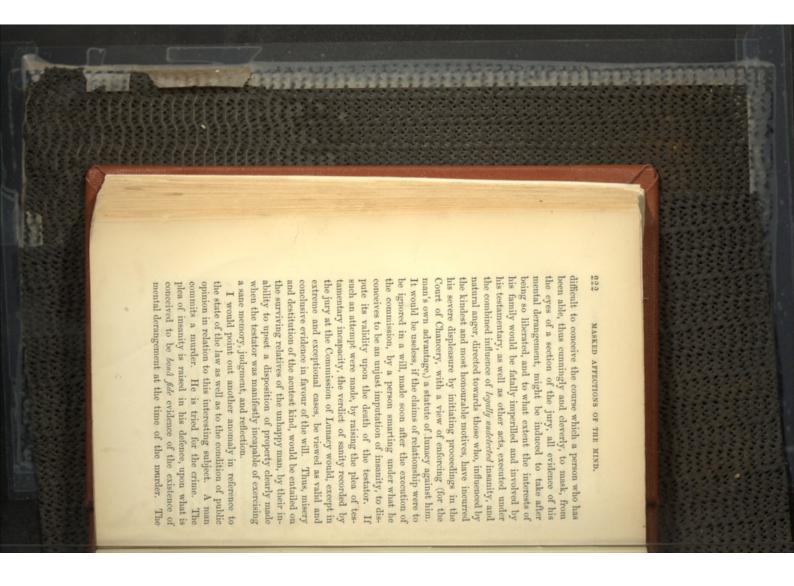


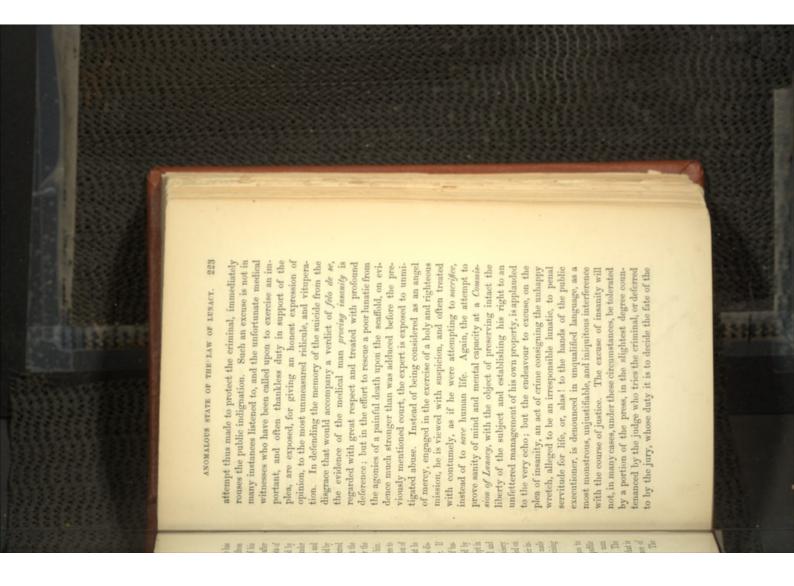


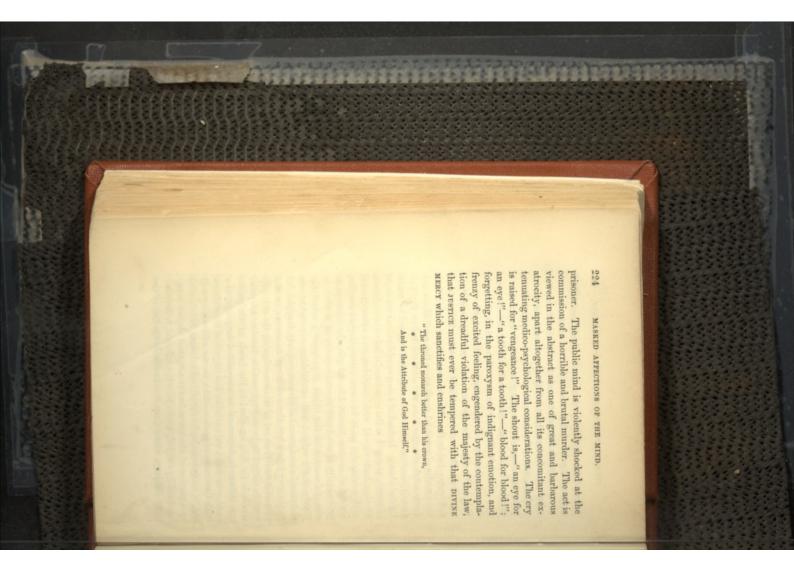


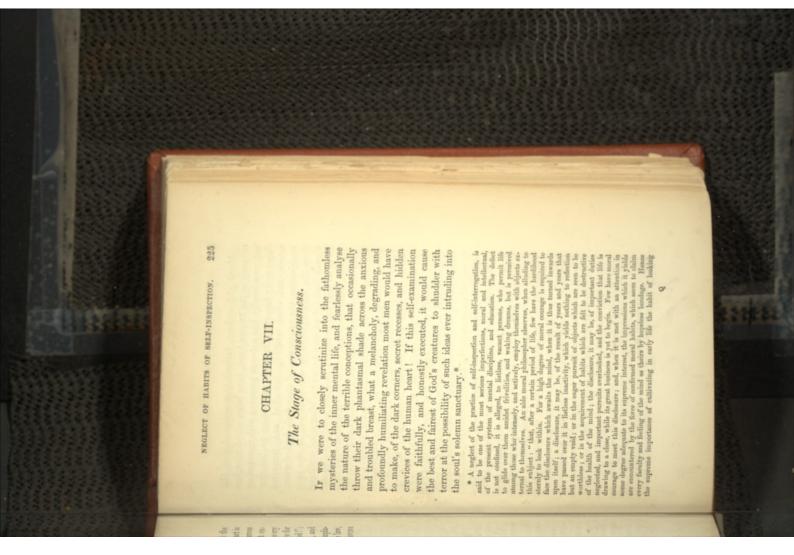


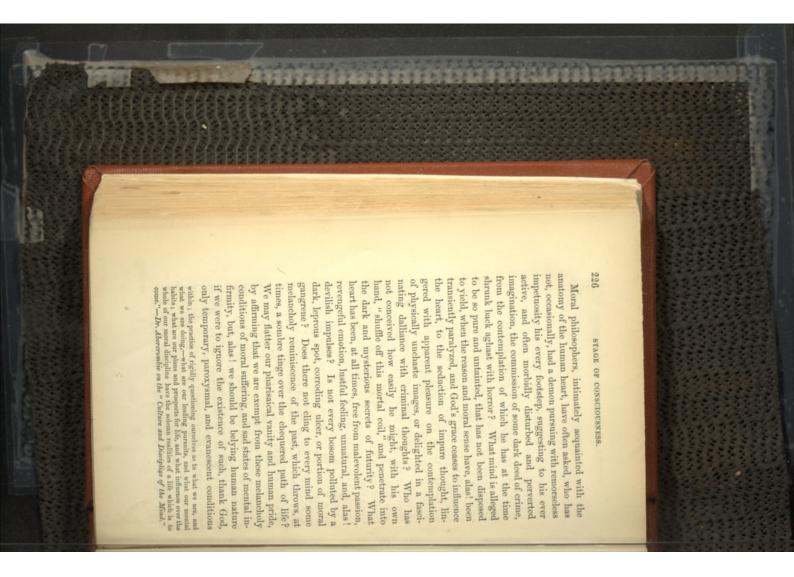












MYSTERIES OF THE INNER MENTAL LIFE. 227

of unhealthy thought, and abnormal phases of passion, which, occassionally, have been known to cast their withering influence, and death-like shadow over the mind, blighting, saddening, and often crushing the best, kindest, and noblest of human hearts.

" Who can tell," says a learned divine, " all the windings, turnings, depths, hollowness, and dark corners of the mind of man? He who enters upon this scrutiny, enters into a labyrinth or a wilderness, where he has no guide but chance or industry to direct his inquiries, or to put an end to his search. It is a wilderness in which a man may wonder more than forty years, and through which few have passed to the promised had."

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Among the obscure, and, as yet, inexplicable phenomena of disordered intellect, stands prominently forward a condition, incipient phase, or pre-existing abnormal state, in which the patient (long before he becomes, or is considered actually insane) is fully sensible, painfully, keenly, and exquisitely conscious of the predominance of certain morbid, and unnatural states of emotion, idea, and impulse.

For a considerable period before the mind has lost its equilibrium, or is appreciably disordered, the patient admits that he is under the influence of certain vague apprehensions, undefinable misgivings, and anxious suspicions, as to the *same* character of his emotions, healthy condition of his ideas, and normal state of his instincts. He detects himself, when unobserved, occasionally asking, can my impressions he healthy? Is there any good reason for my entertaining these strange and singular feelings? Why am I adverse to *his* person's presence, and why do I feel a repugnance to, and shun the society of *lad* vidual P. Am \tilde{z} in a sound state of mind? Are unnatural ideas, and strange inpulses like

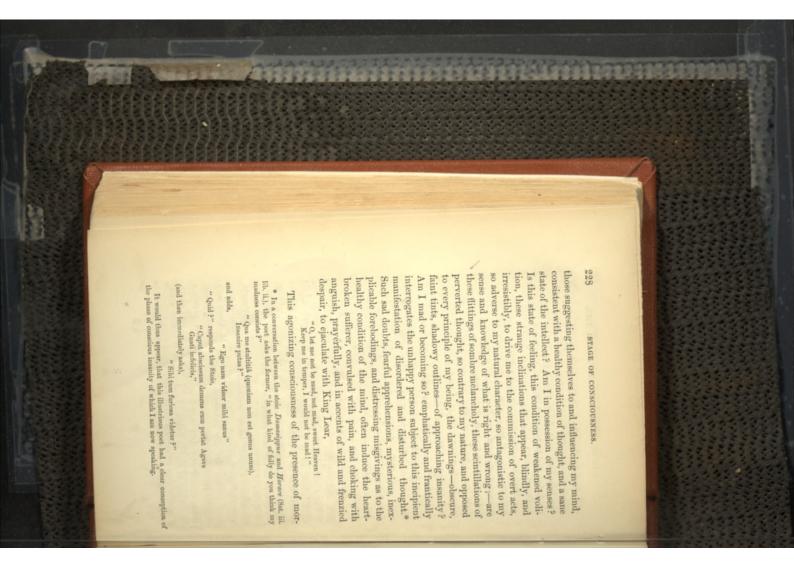
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229 bid and insane ideas, painful recognition of the first approaches, and foreshadowings of insanity, are occasionally so acute, and the mental misery induced so crushing, and overwhelming, that relief from the terrible sufferings they occasion is occasionally sought for in In the incipient stage of insanity, I repeat, the patient is fully sensible of entertaining exaggerated, and unnahis reason, obtain an ascendancy over his judgment, an tural impressions; is acutely conscious of the mind dwelling morbidly, and sometimes irresistibly, upon certain trains of absurd, unhealthy, and it may be, alas! very unholy and impure thought; he painfully recognises the fact, that insane conceptions are struggling to master abnormal influence and control over his passions, and the subjugation of his instincts. In some cases (and this is pelled, (why and wherefore he knows not,) to commit him by the closest ties of relationship, as well as to give a distressing and dangerous type of insanity), he is imsuicide, and even to sacrifice the lives of those related to utterance to blasphemous, revolting, and impure expressions! He finds it, occasionally, extremely difficult, and almost impossible, to dismiss from the mind, and keep in subjection, these morbid impulses to acts of homicidal and suicidal violence, or to conquer the insane desire to clothe in grossly obscene language, conceptions, from the con-A gentleman of great accomplishments, of high order morbid suggestions to utter obseene and blasphemous expressions. He eventually destroyed himself; and in a letter which he wrote to me a few days before committing templation of which his delicate and sensitive nature would, when unclouded by disease, have instinctively personal worth, had his fnind for years tortured with of intellect, of known literary reputation, and of admitted FORESHADOWINGS OF INSANITY. shrunk with horror, loathing, and disgust! self-immolation. 田田道

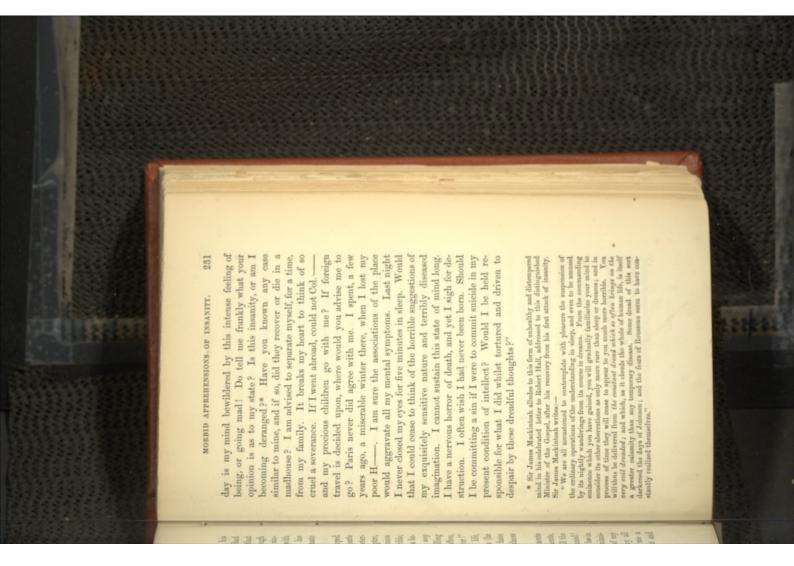
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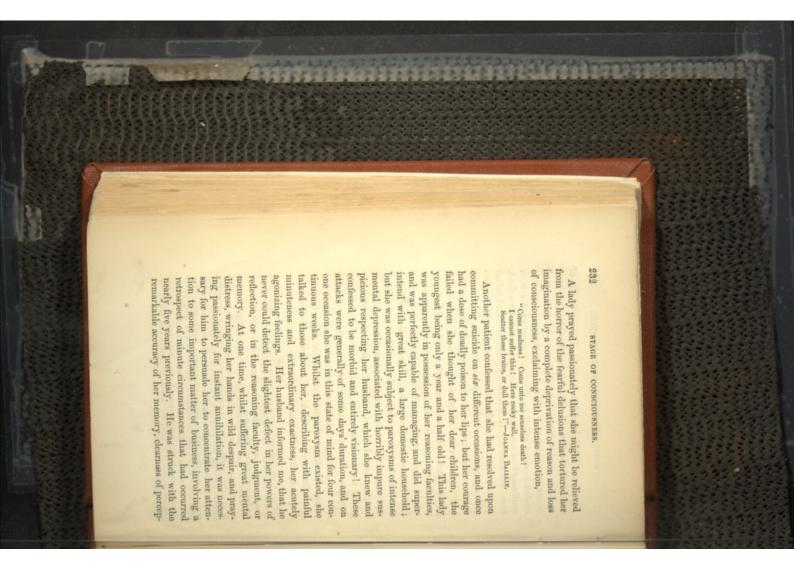
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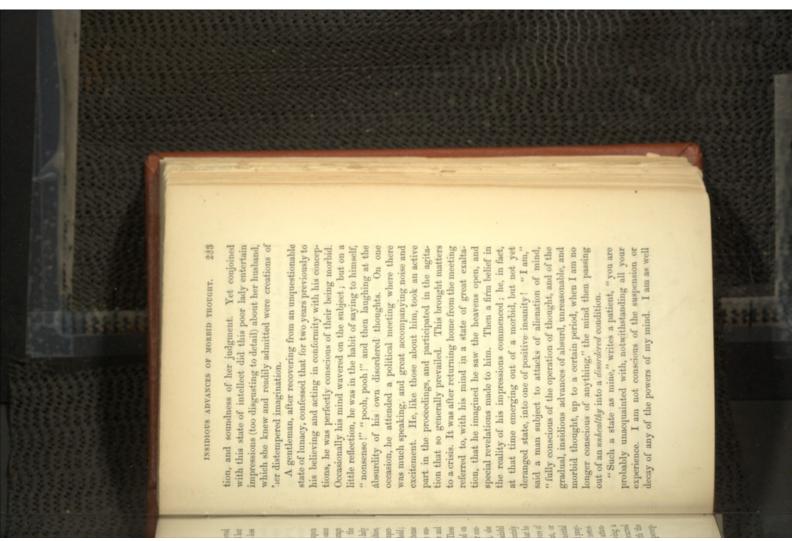
suicide, and which did not reach me until after his death, he said his life was embittered and made wretched by these terrible suggestions; but he thanked God that he had never once yielded to them, and that, although he was a Christian in principle, he felt he was not sinning against God by committing self-destruction, with the object of effectually destroying all chance of his giving utterance to thoughts that might contaminate the minds and morals of others!

In the incipient, as well as in the fully-developed conditions of insanity, the instincts,—the coarser parts of animal nature,—make, occasionally, a bold, determined, and vigorous effort to foreibly seize the sceptre, and exercise supreme authority and despotic dominion over man's "sovereign reason." An awful, terrible, deadly, "hand to hand" struggle sometimes ensues between these antagonistic elements. "The reason *may* resist," says Coleridge, (when referring to this appalling contest.) "it *does* resist for a long time, but too often, alas! at length it yields, and the man is mad for ever!" Busnor Burukar records that he was, all his life, struggling against the horrible morbid suggestions (he termed them "devilish,") which, he says, would have maddened him if he had relaxed the stern wakefulness

of his reason for a single moment! A lady writes, " can I obtain no relief for my acute and horrible sufferings? Hell, with all its torments, cannot be equal to the tortures I endure! I feel all the misery of a lost soul, all the agony of the damned! With this heart-breaking misery, I know I cannot be in my right senses! Would that I could have administered to me some opiate to deaden the sensibility of my poor brain, or to make me mad, and thus destroy all consciousness of suffering! Dr. — has given me a powerful medicine, but it is of no service. • Night and







234

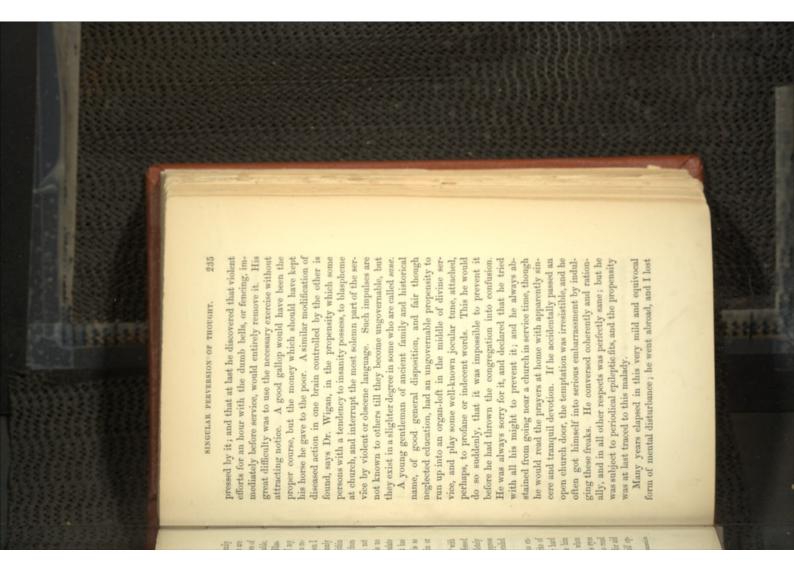
staring me in the face. I am a martyr to a species of suppose me in health, yet the horrors of a madhouse are me, prompting me to utter what I would turn from shall be disgraced for ever and ruined. I solemnly able as ever I was to attend to my business; my family afraid that you would smile, I should say there is no with disgust if uttered by another. If I were not assure you that I hear a voice which seems to be within sist; but I often think I must yield at last, and then I tongue. Hitherto, thank God ! I have been able to rephemous and obscene words are ever on the tip of my persecution from within, which is becoming intolerable. obtained possession of me for the time. My state is so whisperings, but by supposing that an evil spirit has "I have met," says a distinguished authority, " with wretched that, compared with what I suffer, pain or way of accounting for these extraordinary articulate am urged to say the most shocking things. Blas-

" I have met," says a distinguished authority, " with more than one patient in private practice who confessed that his hife had for many years been rendered completely miserable by the constant effort required to suppress morbid impulses, even when their manifestation tended only to acts of folly and not crime."

A very active and meritorious clergyman, who expended a large portion of his small income in works of charity, told Dr. Wigan in confidence, that after hard study or want of rest, this state of mind made him greatly apprehensive of insanity, and that often when preaching, there would seem to be placed before his eyes some profane book, which the devil tempted him to read in lieu of his sermon! That the more he prayed for aid against the temptation, the more he found himself op-

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 "Essays on Partial Derangement of the Mind in supposed connexion with Religion." By the late John Cheyne, M.D. Pp. 64, 65.





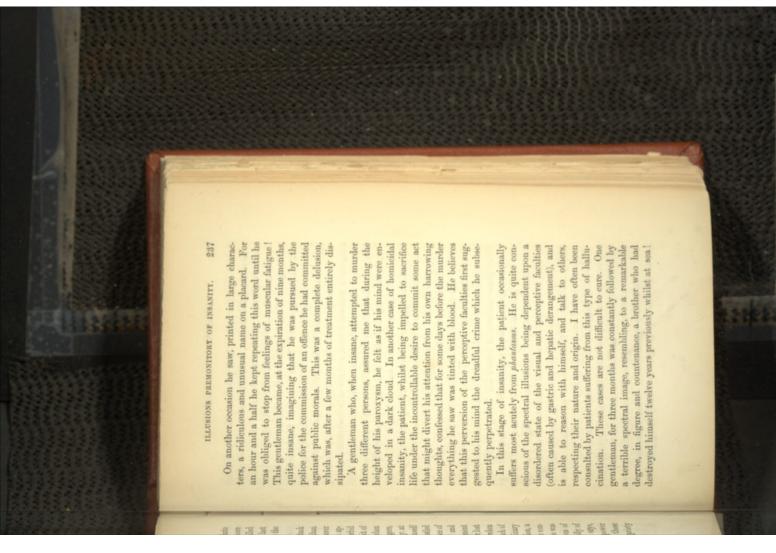
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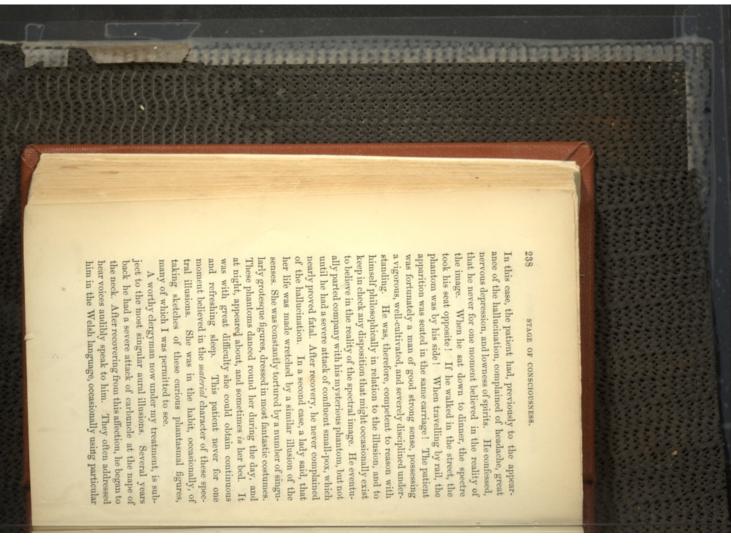
sight of him, but was informed that he entered into great sensual indulgences, his fits became more and more aggravated, and he at last died of what his friends called brain fever. The persons who attended him at the last moments knew nothing of his previous history, and the brain was not examined.*

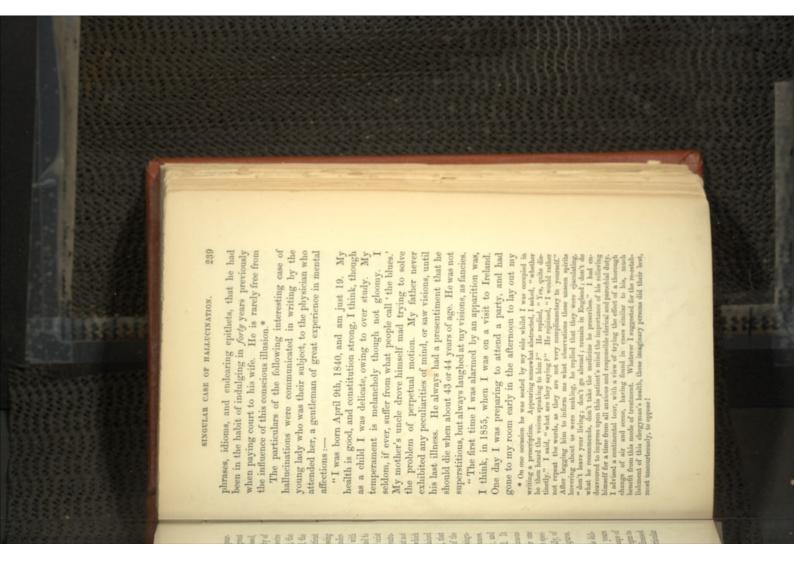
State Production

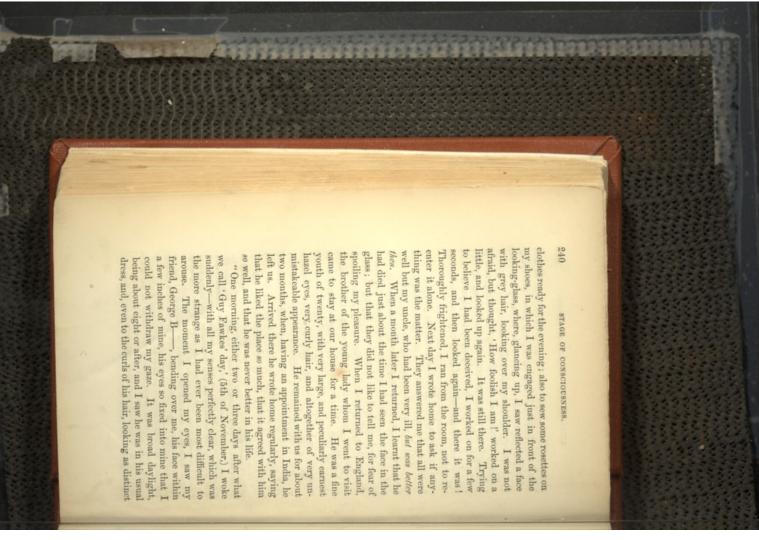
acting in a most singularly eccentric manner when of mental derangement, assured me that for more than walking in the public streets, grinning at strangers, trains of thought! He was frequently in the habit of proaching insanity, and of the presence of certain morbid his thoughts and actions, he was conscious of his apapology. The patient informed me, that at the moment on one occasion in a serious altercation, having hustled nine months prior to his losing all voluntary power over tinued for nearly an hour uttering this jargon as he was string of unmeaning and unintelligible words. He conrapidity and accompanying energy of muscular action, a actual insanity, he began repeating with extraordinary it must be presumed he was on the brink of an attack of the power of self-government. At another time, when he knew what he was about, and had not altogether lost public amusement, which led to an explanation and violently against some ladies coming out of a place of persons whom he accidentally met. He involved himself putting his tongue out, and laughing hysterically at oddities, and comported himself with singular propriety of control ! At other times he was quite free from these the nonsense he was talking, and recognised the folly of walking towards the city. He was fully conscious of was fascinating and quite irresistible, defying all power his conduct, but the disposition to so indulge, he says, A gentleman after recovering from a protracted attack

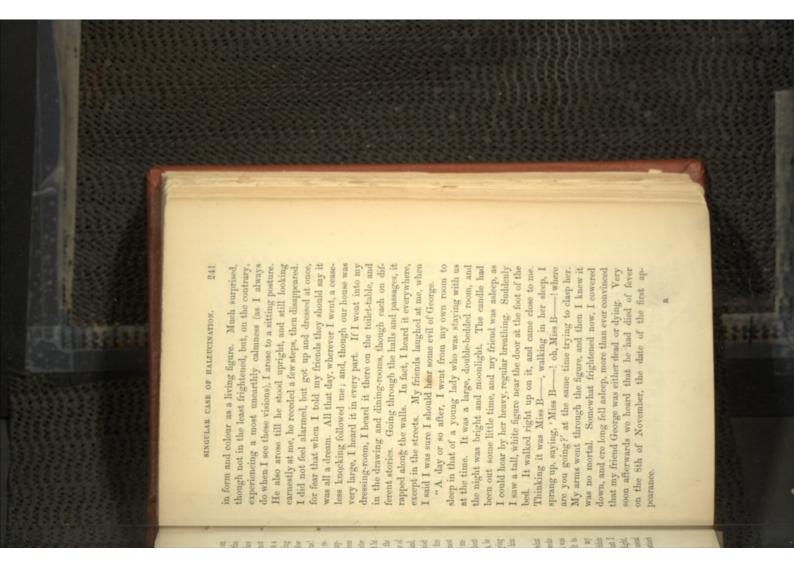
and decorum. * Wigan's "Duality of the Mind," pp. 237, 238, 239.









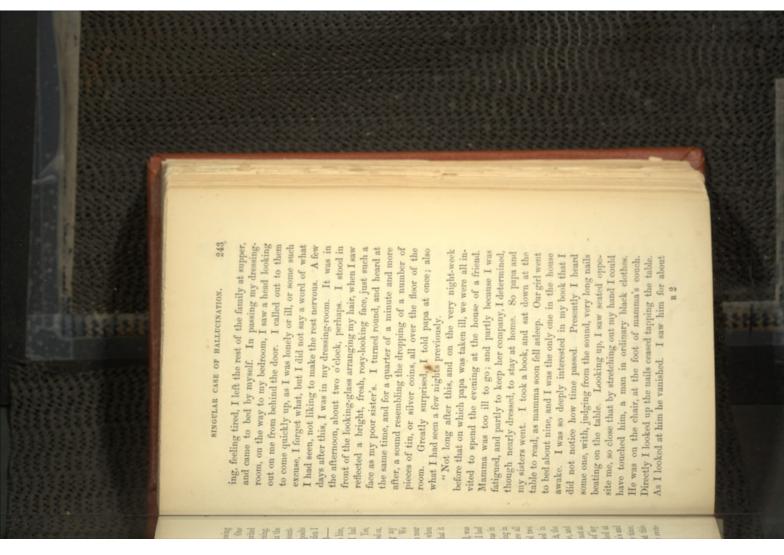


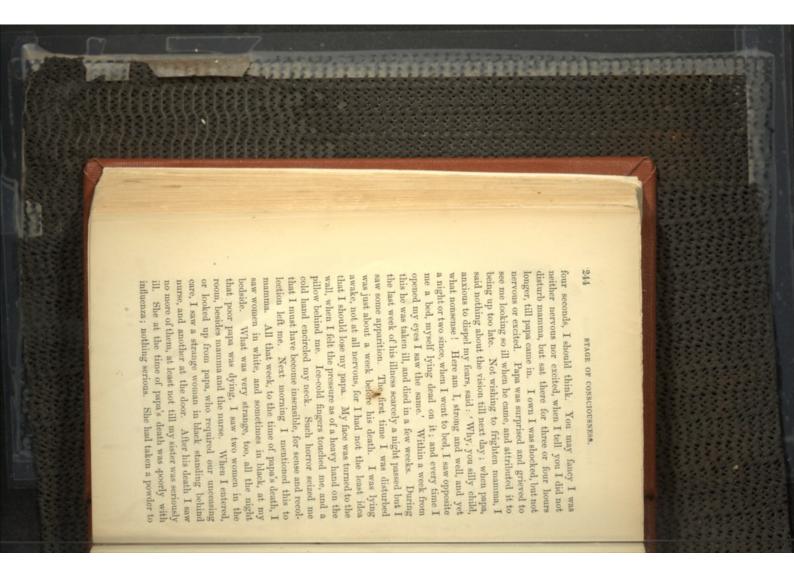
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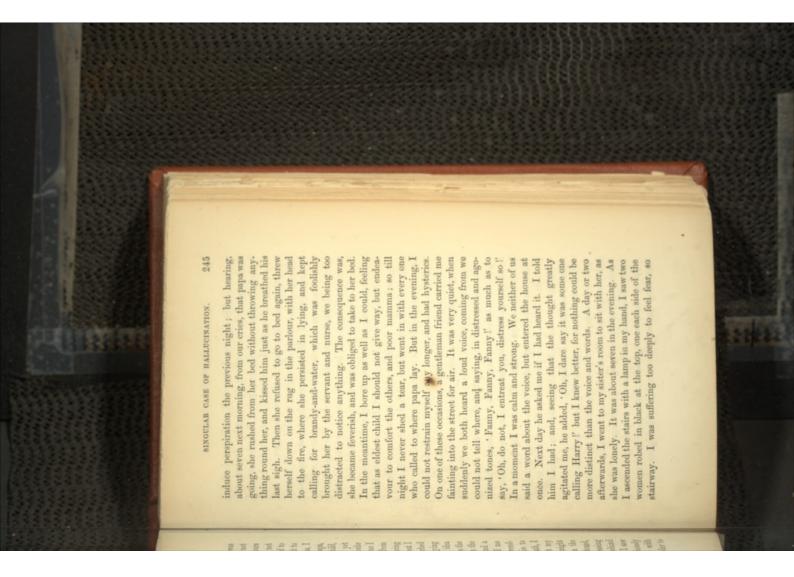
A PARTY SPANNING

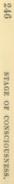
then looked again; still he was there. Calling my sister, I asked her to go into the hall with me. We looked up, and was astonished to see poor George B to me, being on the left of the piano. Of a sudden I ably sad. The door was just, or rather nearly opposite card-players, I sat down at the piano, feeling unaccountwith cards, music, &c. Not feeling inclined to join the to the house of an acquaintance to spend a social evening, evening, papa, mamma, sister, and myself, were invited May we came to Canada, and settled in G----. One the place. I told mamma of the occurrence; and when there he was, without doubt. I turned away, played on, deceived myself, I played a little, and looked up. and he looking earnestly at me. Thinking I had standing in the doorway, the lights shining full on him, was the 8th of November. we looked to see the day of the month, we found that it went. Not a soul-or rather nobody-had been near "This happened in November, 1855, and the following Yes,

just before we left G----, to come to T----. I had large spirit-lamps, when I saw a woman, dressed in sitting around the supper-table, on which burned two the doorway. A few evenings afterwards, we were all gone into the kitchen for something. The girl was in time in T----, and residing in Ann-street." One evenowing perhaps to change of climate. We were at this sister's illness. My health was delicate at the time papa's death. I told him, and, as usual, he laughed at the time, but do now think it was a warning of my black, standing behind papa's chair. Leaning on it, the the garden, and I distinctly saw a woman standing in me. I saw nothing more till just before my papa's and light fell full on her. She was a stranger to me, and bore no resemblance to any one I knew. I did not at "The next time that I saw anything of the kind, was









went on. The figures disappeared as I neared them. As I entered the room where my sister lay, I saw papa behind the door, looking very pale. I looked several times to make sure I had not been deceived, and each time saw him there. I sat down on the bed with my back towards the figure, until I could bear it no longer, when I called some one else to take my place, for I knew no one else in the house could see the spectre. I think it was the next day the doctors said we must all leave the house at once, or we, too, should have the fever; so we went to the house of a friend.

המרקרו ההילוצו הילי הילי

Sophia,' my sister's name. Greatly alarmed, I called to them to bring a light, as I was sure I had seen some one in my room. I then asked who it was that rang at so fell asleep, feeling happier and more hopeful than time I heard my friends saying something about 'poor imagined, one of the ladies of the house by my side. at the door-bell woke me. I started up, and saw, as I broke the tidings of my sister's death to me as gently as had felt since papa's death. The same day my friends my sister. I thought they meant a favourable change, me it was one sent out to say that there was a change in that early hour (about four or five o'clock). They told spoke to the figure, and it vanished; and at the same with the melancholy intelligence. morning, and mamma had at once sent to acquaint us possible. It had taken place about three o'clock in the "One evening, a few days after my arrival, a loud ring -

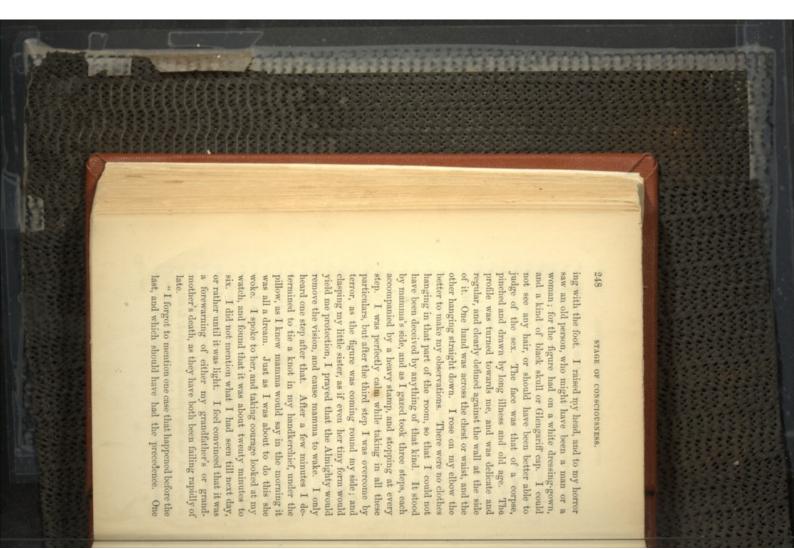
"From that time till last May I saw nothing. Last Queen's-birthday I had been out, walking about with a gentleman friend. Towards evening we came in, and I went to my room to change my walking-dress. I had nearly finished dressing, and had only to get on my slippers, when, turning round, I saw papa standing near the door. So distinct was it that I felt frightened, and,

SINGULAR CASE OF HALLUCINATION. 247

snatching up the lamp, I rushed from the room. When I reached the parlour, where they were all sitting, I felt re-assured and somewhat ashamed; and, as in my hurry I had forgotten my slippers, I determined to return for them. So, taking the lamp, I opened the folding-doors between the front and back parlours, and ran up against the figure. I met no resisting power; had I done so, I should have hurt myself severely, no doubt. I was greatly agitated when I saw it, and rushed back to mamma, who inquired what was the matter with me, I looked so ill. I told her what I had seen.

"One night, some months after this, a gentleman friend called. He had not been long present before I had occasion to go up-stairs for something. I did not take a lamp, not being afraid, but went in the dark. Coming down, just as I reached the bottom of the stairs, I saw papa standing within a foot or two of me. A soft phosphoric radiance seemed to surround him. He was very pale, as I saw distinctly by the strange light, though all was dark around me. I was very much frightened, as I should have to pass close to him to reenter the parlour. My brain seemed to reel as I ran depended, some one went into the passage, but saw nothing.

"The last, and by far the most horrible vision I ever had, was on the 8th of December last (1858). I woke up one morning before dawn, but, as mamma burns a lamp every night, it was quite light in our room. I had been awake about ten minutes or a quarter of an hour, and could not go to sleep, do what I would. However, as my mind was very pleasantly occupied, I did not mind much. Of a sudden I heard a heavy stamp, as if some one were trying to attract my attention by stamp-



249 morning, in March, 1858, I was giving a lesson at Miss M ----- 's school here, and, looking up, I saw a thin man ing by the side of my pupil. His figure was just like see, as my pupil's head came between us. I was ters at the first glance. I just had time to notice it poor Mr. G----, the violinist. His face I could not Next day we heard that poor G---- had died at just about the time I saw his figure. I had not even heard that he was ill, and knew nothing of it till I was told said to mamma, 'Do you hear that ?'--' Hear what, sure enough, a few weeks after we heard that my aunt's in blue cloth coat, with turn-down velvet collar, standstartled, and screamed, thinking it was one of the maswhen it vanished. I told mamma when I got home. "Another case I forgot to mention, occurred, I think, some time in last November. I was aroused from my sleep by a loud knocking at my bed-head. After I woke I listened, and in a few minutes heard it again. I child ?'--' Why, that loud knocking.' She said, ' Why, I have been awake for more than a quarter of an hour, and there has not been a sound that I could hear.' Afterwards I heard it again at the window. It was daylight, and I could see if there had been any one there; but I saw nothing. I told mamma I was sure we should hear of the death of some one we knew; and father had been found dead in his room, just about the time I heard the knocking. I was a favourite of his "I cannot remember anything more now; I think I Accompanying the other symptoms characteristic of the stage of consciousness, are the following :- The have mentioned every apparition that I have ever seen."* mind is harassed and bewildered by odd notions, unusual * "American Journal of Insmity." Oct. 1859. INCUBATION OF INSANITY. when he was living. he was dead.

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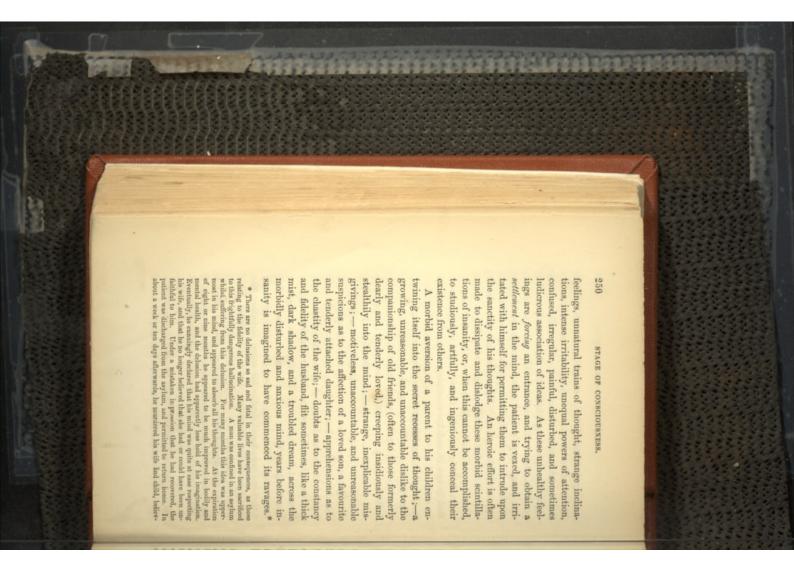
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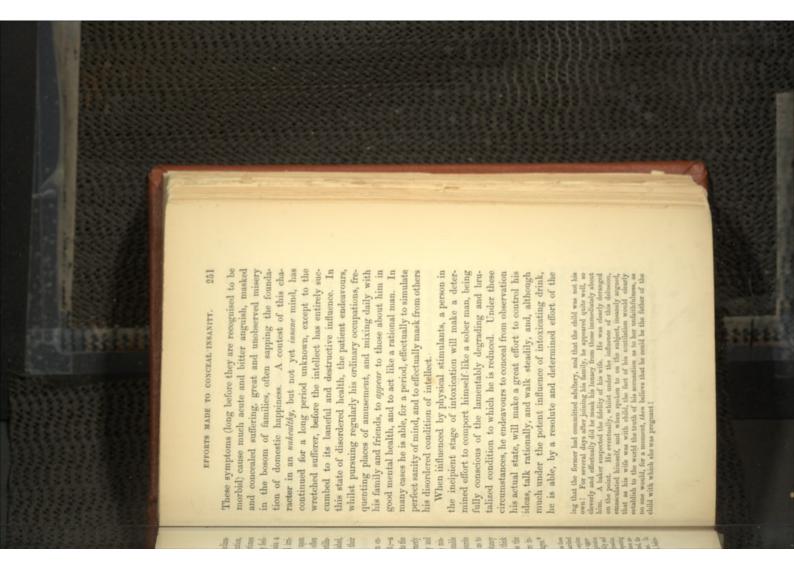
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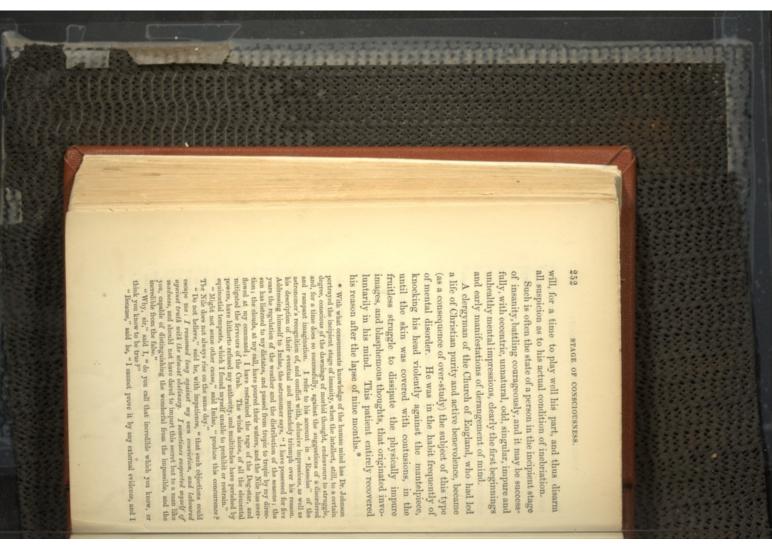
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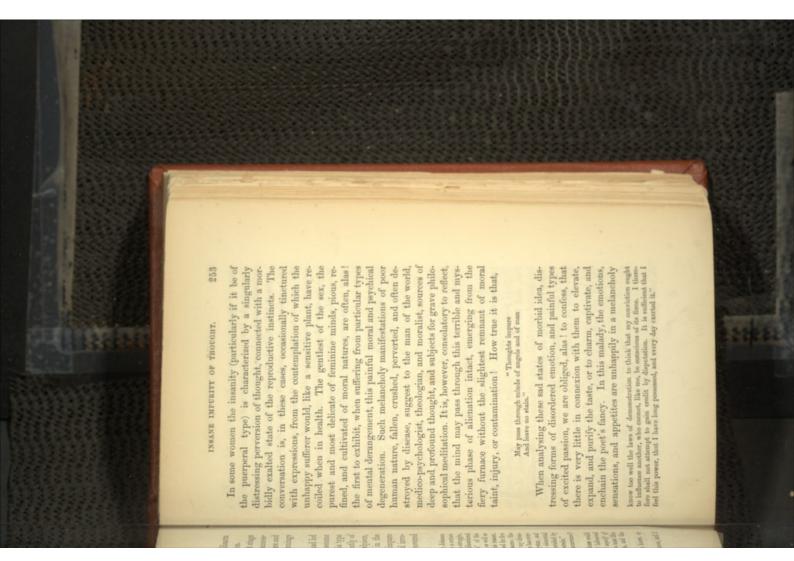
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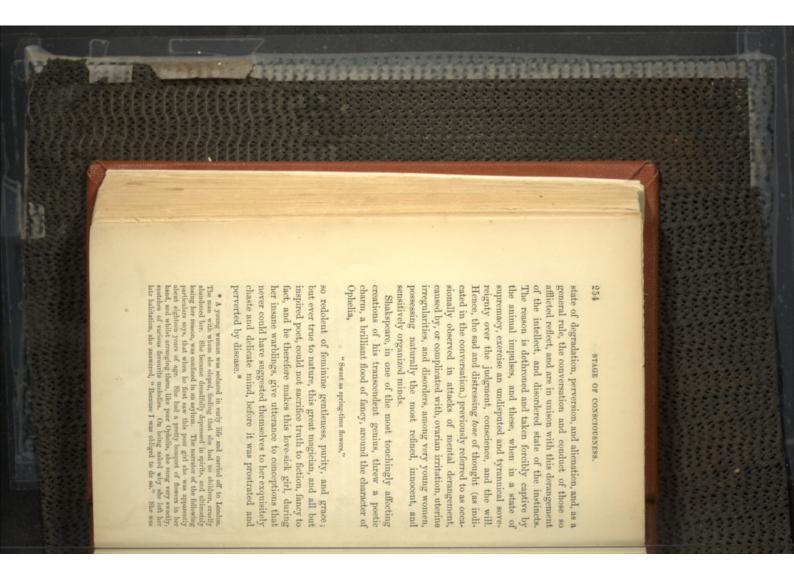
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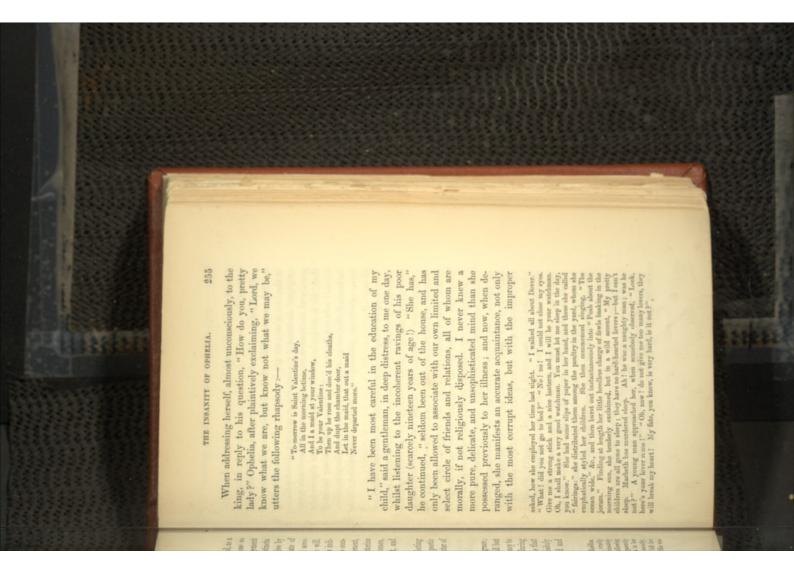


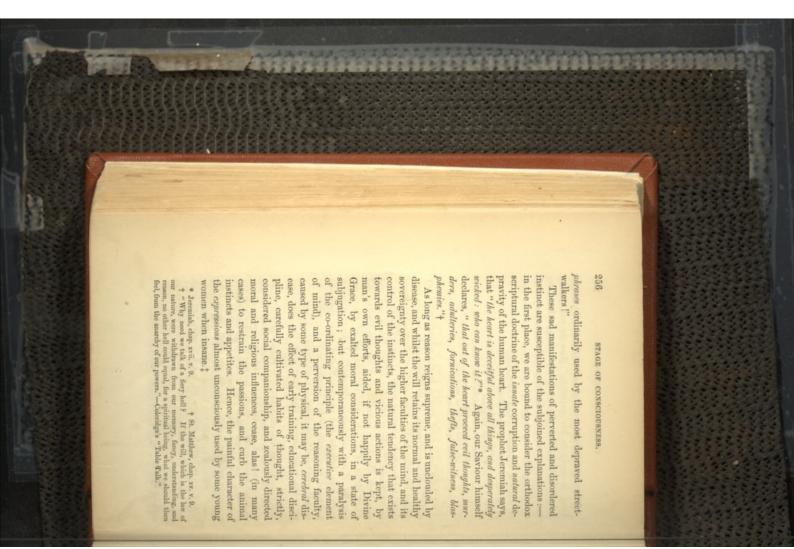












I am now only addressing myself to the results of 257 and vitiated taste, the effect of a voluntary and sinful abandonment of the reason and passions to gross habits of sensuality, vice, and even crime. These melancholy servants (a frightful cause of moral pollution, as well diseased brain, and disordered mind. There are, of course, often witnessed many sad exhibitions of depraved thought, vigilant parents are not always able to detect or guard their children from. I refer to the pernicious example, and wicked suggestions of depraved, irreligious, and profligate as of mental idiocy in early life,) occasionally, unhappily, admitted into the bosom of families by false characters, (alas ! too easily procured.) to a perusal of vicious books, There are, however, other sources of moral contamination and mental deterioration in operation, which the most surreptitiously smuggled into the nursery, as well as of faithfully reported in some of the ordinary channels of activity feelings and inclinations normally (until a certain account, pathologically, for the development of natural physical tendencies, usually manifested at, and after the age of puberty, but it does not explain the actual knowthe details of gross acts of impropriety and indecency communication. These frightful records of vice and crime, in all their naked depravity and deformity, are fearfully Apart altogether, however, from this view of the question, we are bound to consider the effect of a morbid exaltation (as the effect of diseased brain, as well as of other organs) of natural instincts, inciting prematurely into period of life) in a torpid, and latent state. We may hence manifestations of perverted intellect have no necessary relation to the conditions of diseased mind, of which made matters of judicial investigation, so minutely and so palpably exposed, elaborately and artistically developed. SOURCES OF EARLY MORAL DETERIORATION. and fatally suggestive to the minds of the young. ur, am now particularly speaking. R. W. W. 三百三 「「「「「「」」」 - Party 調査 影書習 自己 . 图. 夏音遊遙

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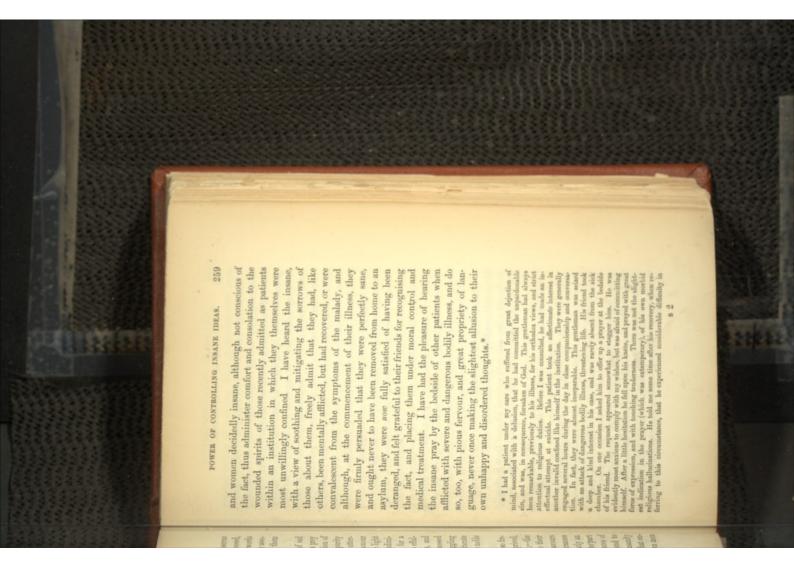


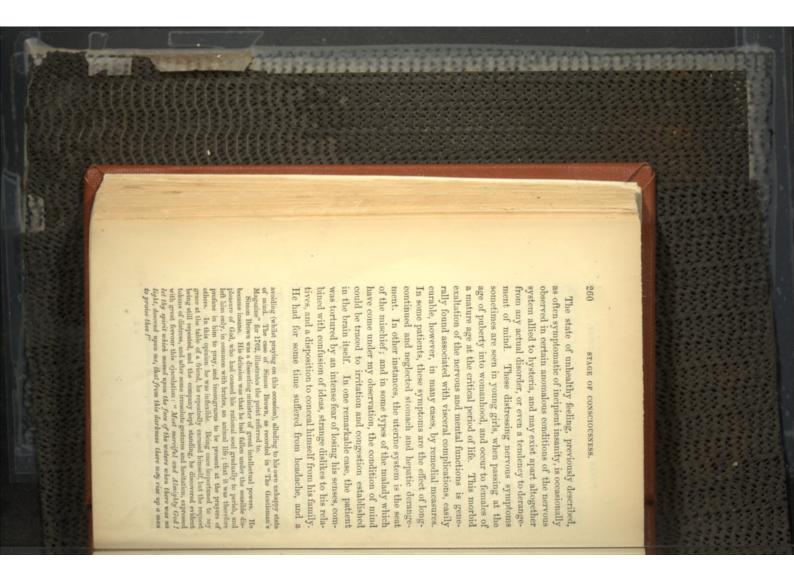
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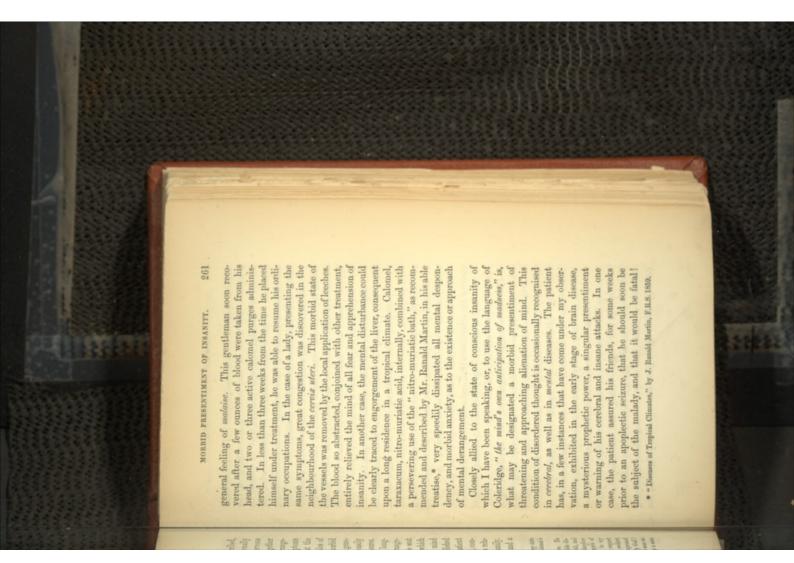
ledge and use of particular prurient phrases and obscene modes of expression. This phenomenon can only proceed, either from the parties having heard the identical words used by persons with whom they have unfortunately associated, or from having seen them in print, or heard them uttered in the public streets.

nished lustre, the dark cloud that has threatened, for a upon healthy and cultivated understandings. The light ance to expressions that would reflect the highest honour of thought. The insane are frequently heard giving uttersentiment, exquisite taste, profound elevation, and purity of distressing delusions, often exhibits great elevation of mental alienation, the unhappy patient, although a prey gence. Natural sweetness, unaffected gentleness, and time, altogether to overshadow, if not to eclipse, its effulof reason is occasionally seen permeating with undimiaspirations of the heart. triumphing over fearful types of mental disease, struggling marked aniability of disposition, are often witnessed kindly sympathies, and to pervert and paralyze the noble to crush the lofty inspirations of the mind, obliterate Let me not be misunderstood. In many cases of sad

'The unselfish consideration which the insane so frequently manifest towards persons temporarily deprived, like themselves, of unrestrained freedom of action ;---the affectionate and assiduous attention they pay to their companions in affliction and sorrow ;---their endeavours to assuage their bitter anguish, by repeated assurances that their removal from home (although apparently an act of unnecessary harshness, and unkindness, on the part of their relatives) could not, under the circumstances of their illness, be avoided, and would ultimately tend to their advantage, conclusively establish, that insunity often leaves intact some of the best principles that ennoble and dignify human nature. I have known men







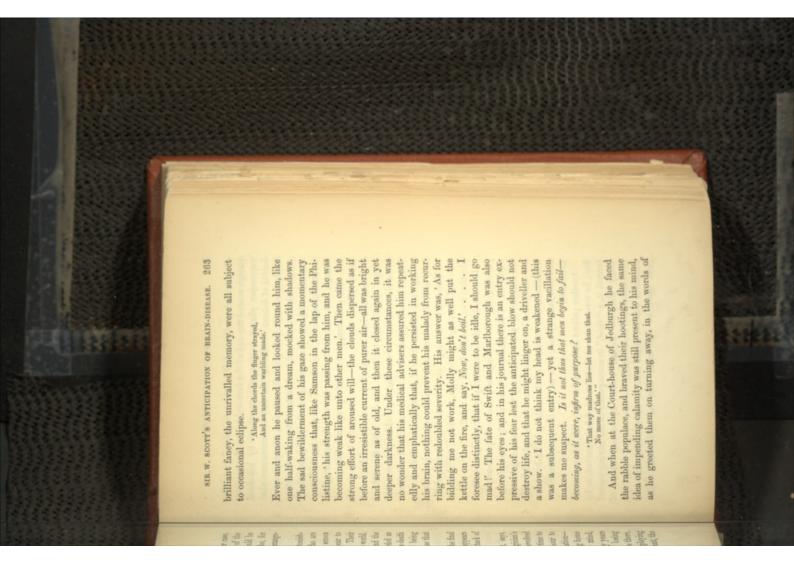
Alas! he proved to be a true prophet! In another case, a patient said that he had received a warning of the advent of insanity, and was positive that he should be attacked. I knew *(hree* instances of patients who, for several *years*, predicted the accession of mental derangement, and who ultimately became insane!

STATE?

"We cannot," says Portal, "hear without astonishment, the remarks sometimes made by those who are threatened with attacks of apoplexy. All their senses appear perfect and entire, but their minds appear to have acquired an inspired and a prophetic power. Their first impression is, that they are about to quit the world. Then they predict the future by the present; and the event justifying the prediction, they are regarded as true prophets. I saw a patient who foretold his death six days previously to its actual occurrence, there being at the time no symptom in connexion with the case that at all justified so unfavourable a prognosis."

Sir Walter Scott had sad forebodings as to the final close of his active, eventful, and anxious life! He appears to have had a melancholy presentiment of the attack of brain disease of which he died.

His son-in-law and biographer, Mr. Lockhart, says, when referring to the final scene of the great magician's life, "a more difficult and delicate task never devolved upon any man's friend, than he had about this time to encounter. He could not watch Scott from hour to hour—above all, he could not write to his dictation without gradually, slowly, most reluctantly, taking home to his bosom the conviction that the mighty mind, which he had worshipped through more than thirty years of intimacy, had lost something, and was daily losing something more, of its energy. The faculties were there, and each of them was every now and then displaying itself in its full vigour; but the sagacious judgment, the



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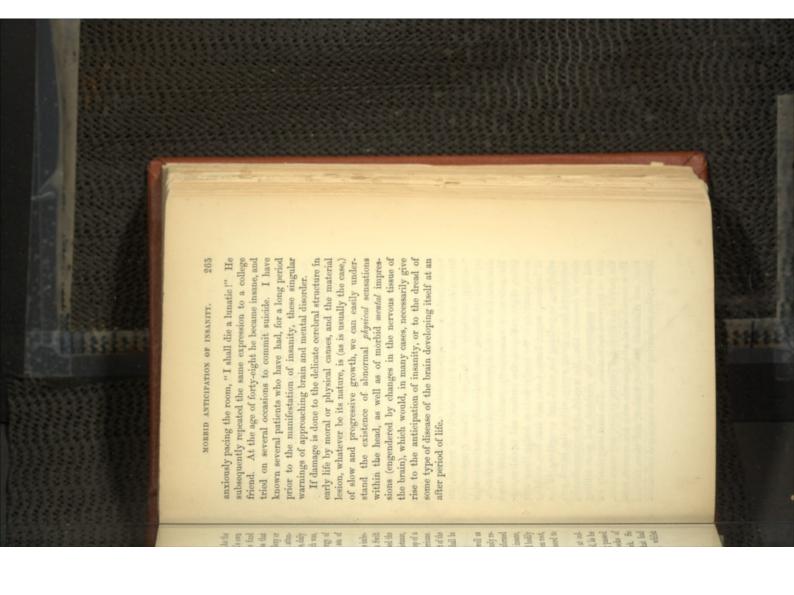
the doomed gladiator, 'Moritarus vos saluto?' 'As the plough neared the end of the furrow,' to use Scott's own expressive phrase, he was still urged on by his fixed habits of labour. "Under the full consciousness that he had sustained three or four strokes of apoplexy or palsy, or both combined, and tortured by various attendant ailments, cramp, rheumatism in half his joints, daily increasing lameness, and now of late gravel, (which was, though last, not least,) he retained all the energy of his will, and struggled manfully against this sea of troubles."

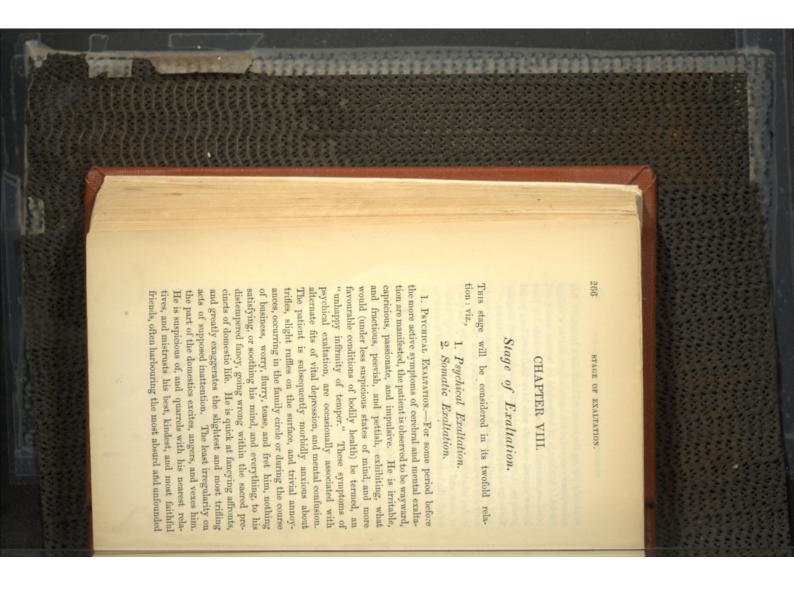
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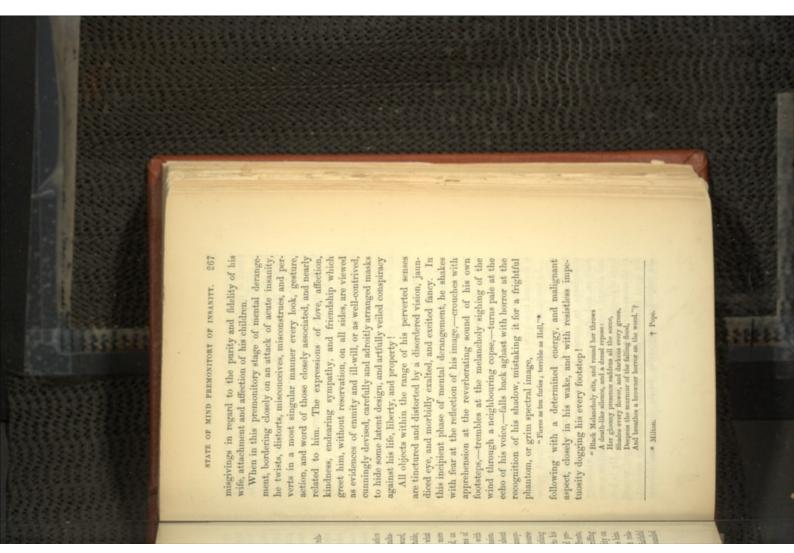
Dean Swift had a singular presentiment of his imbecility. Dr. Young, walking one day with Dean Swift some short distance from Dublin, suddenly missed the Dean,who had lagged behind. He found him at a distance, gazing in a solemn state of abstraction at the top of a lofty elm, whose head had been blasted by a hurricane. He directed Dr. Young's attention to the summit of the tree, and heaving a heavy sigh, exclaimed, "I shall be like that tree; I shall die at the rop first."

It is not difficult to account physiologically as well as pathologically for the singular phenomena previously referred to. I had under my care a lady who informed me, that for *six* years previously to her becoming insame, she was perfectly convinced, from her mental and bodily sensations, that the seeds of the malady had taken root, and that insanity had, even at that time, commenced to germinate.

Another patient said, that in early life, when at college, he was convinced that the mind had received, as he termed it, a "*twist*," in consequence of his having passed many sleepless nights, caused by several weeks of continuous, and unremitting laborious mental work. So conscious was he, at the time, of the mischief that had been done to his brain, that he exclaimed, whilst







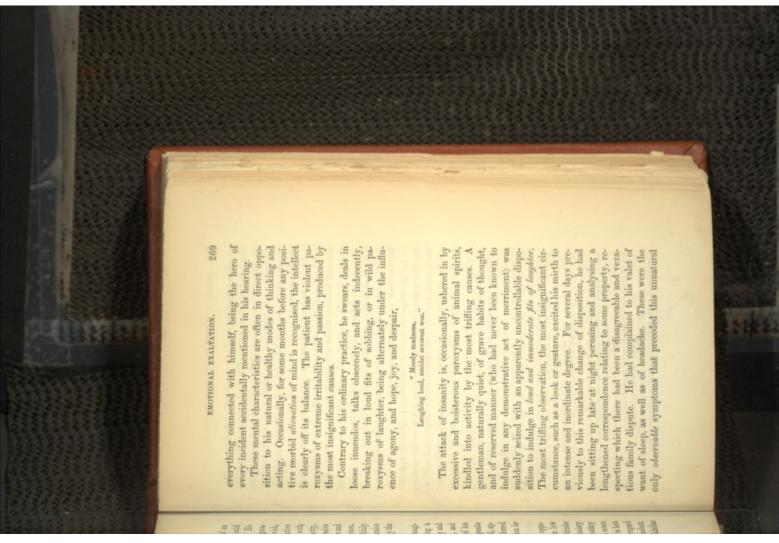


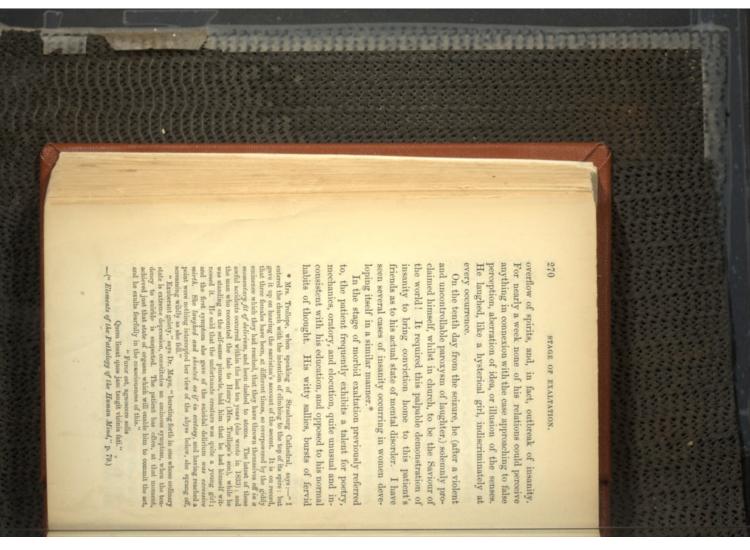
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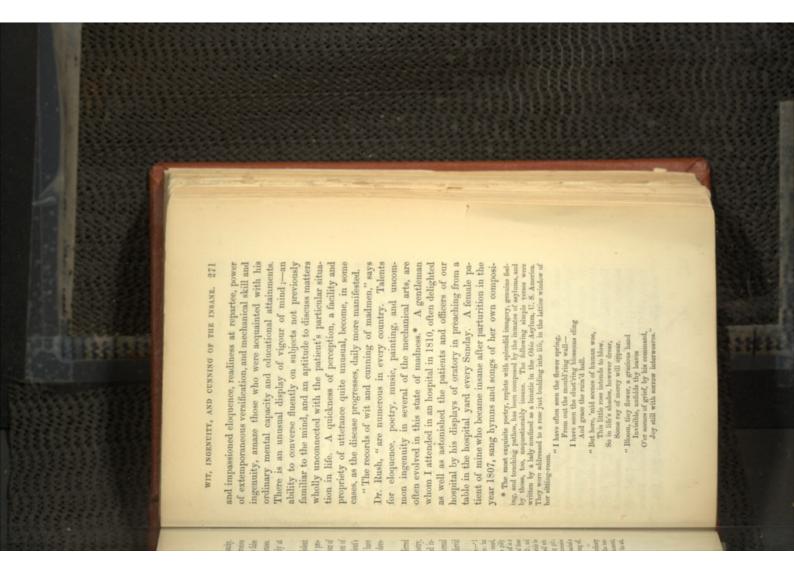
The patient often exhibits, at the commencement of an attack of insanity, what, to a superficial observer, would be considered only an unnatural elevation of spirits. He is at other times loquacious, and talks loudly and dogmatically. He subsequently becomes querulous, peevish, irresolute, and undecisive, not being, for two consecutive minutes, in the same frame of mind. He quarrels with his best friends, argues with great warmth, pertinacity, and vehemence, the most trifling matters, is excessive and extravagant in his expressions of friendship, bitter and rancorous in his feelings of dislike, hatred, and aversion. In this state of morbidly active brain, and unhealthily excited mind, the fancy runs rampant, taking discursive and airy flights, every circumstance being viewed by the patient, couleur de rose.

There is associated with this exaltation of the imagination, great exaggeration of expression, forming a striking contrast with the patient's usual modesty and sobriety of conversation, strict urbanity, repose, and propriety of conduct. He talks ostentationsly of his vast wealth, boasts of his elevated social position, speaks exultingly of the profound respect he can command, appears vain of the high rank which has been conferred upon him, and is proud of the still greater distinction he

is destined to acquire i As the insanity advances, the patient, in direct opposition to his usual habits and tastes, delights in low society, is neglectful of his personal appearance, drinks stimulants to excess, is extravagant in pecuniary matters, and often squanders his property in visionary and absurd speculations. He subsequently exhibits some form of mental obtuseness, or moral obliquity. He is lost to all sense of truth, respect for decency of thought, regard for good breeding, and all notion of decorous conduct. He magnifies, exaggrentes, twists, distorts, and falsifies





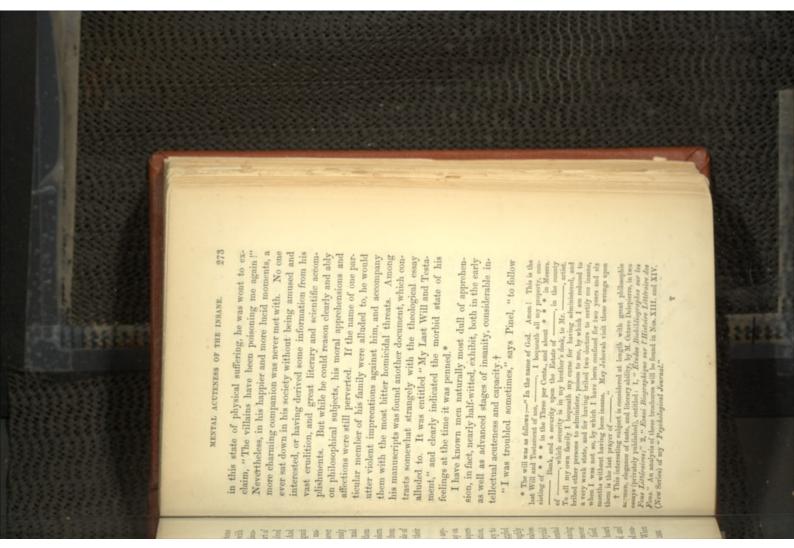


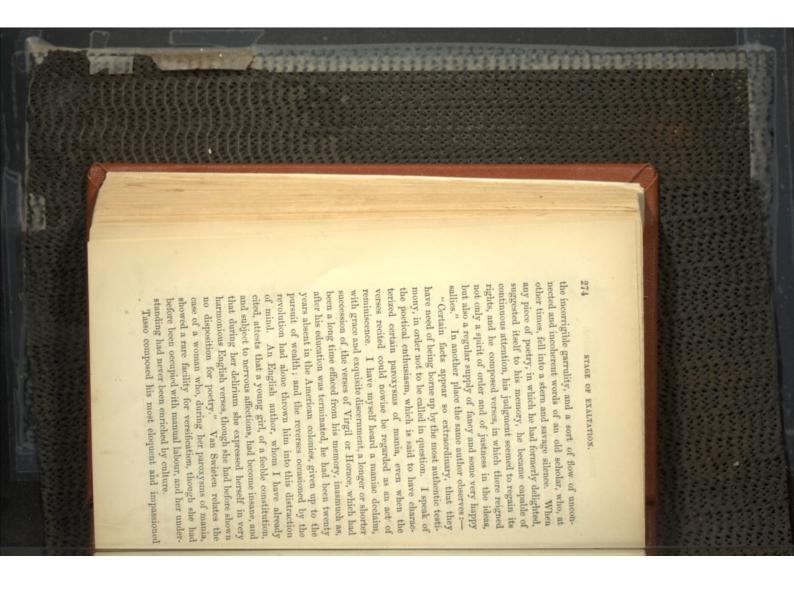
STAGE OF EXALTATION.

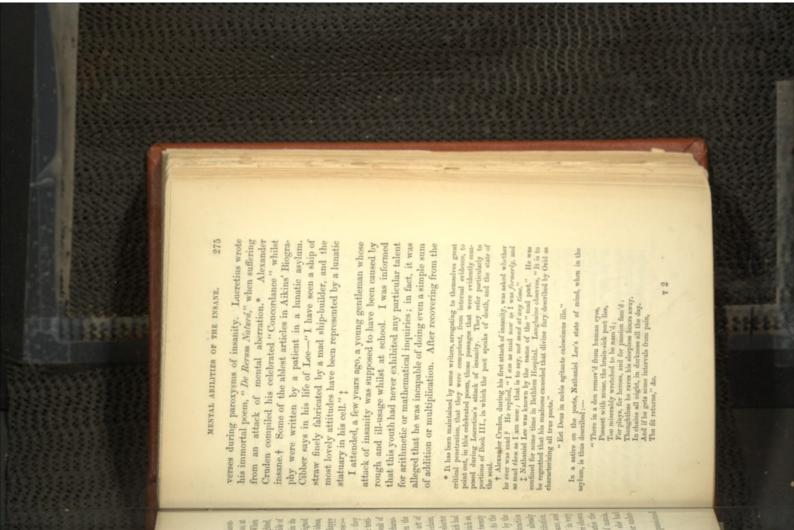
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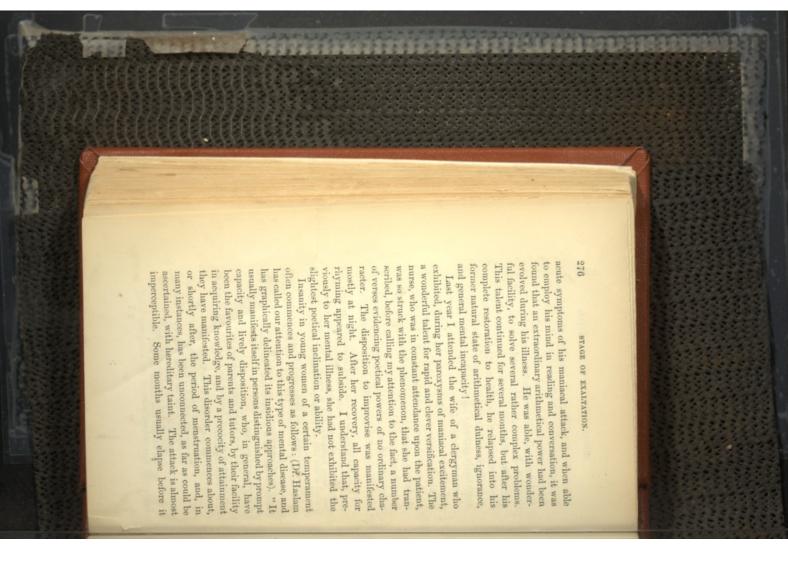
mind."* vered a talent for poetry or music in any previous part of delight every time I visited her. She had never discoand voice so soft and pleasant that I hung upon it with tion during the latter stage of her illness, with a tone chinery have not been exhibited by persons who never and completely rigged ships and curious pieces of mawhere is the hospital for mad people in which, elegant her life. Two instances of a talent for drawing evolved to their derangement. Sometimes we observe in mad by madness have occurred within my knowledge. And recollecting in the natural and healthy state of their discovered the least turn for a mechanical art previously books, none of which, we are sure, they were capable of languages, or repeat long and interesting passages from describe past events, and speak in ancient or modern people a resuscitation of knowledge; hence we hear them

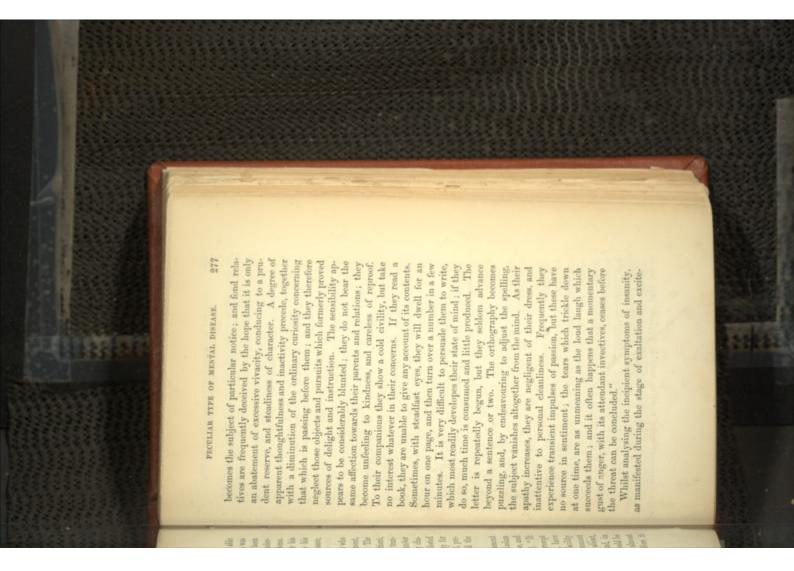
of the heart were found to be ossified. As asphyxial under a delusion that there was a family conspiracy to after death. He was, when he penned the dissertation, lum, wrote an able philosophical and critical essay on " Original Sin." It was found among his MS, papers constricted passages, the lungs became engorged and conimpressions, it was presumed that the idea of poisoning sensations are known to give rise to erroneous mental succeeded in mastering it. After his decease, the valves resolutely against this delusion, but never thoroughly gested, and the breathing spasmodic and difficult. When laboured to propel the blood through its ossified and the stomach was overloaded and distended with food was suggested by the uneasiness which he felt whenever poison him. Occasionally, he admitted that he struggled Everything he ate disagreed with him ; the heart A gentleman, whilst insane, and confined in an asy-• " On the Diseases of the Mind." By Benjamin Rush, M.D. 1835.

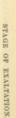








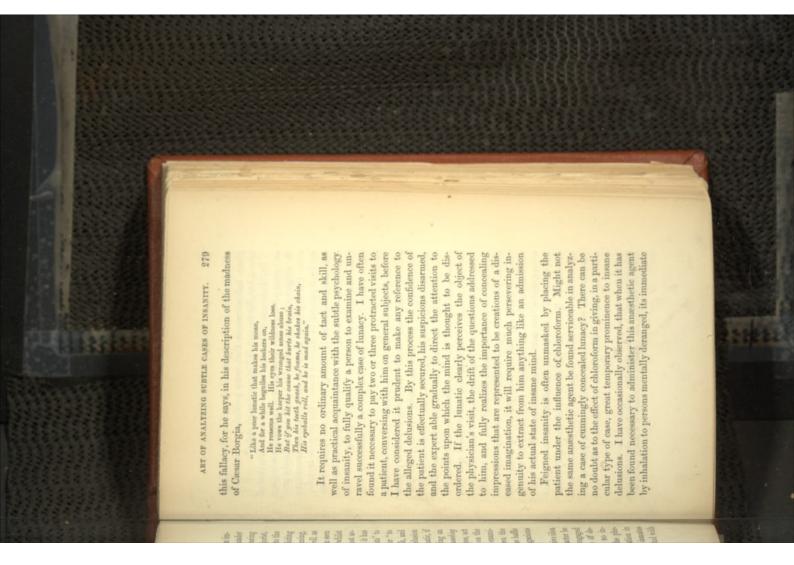


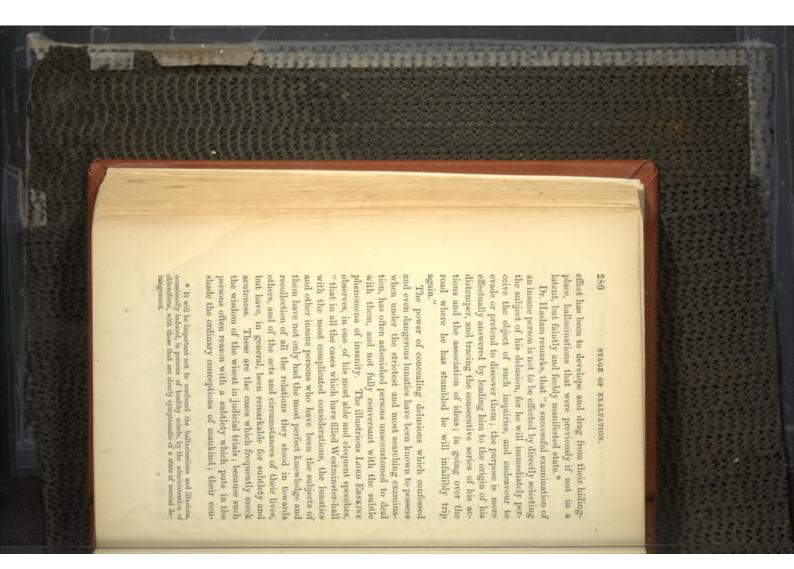


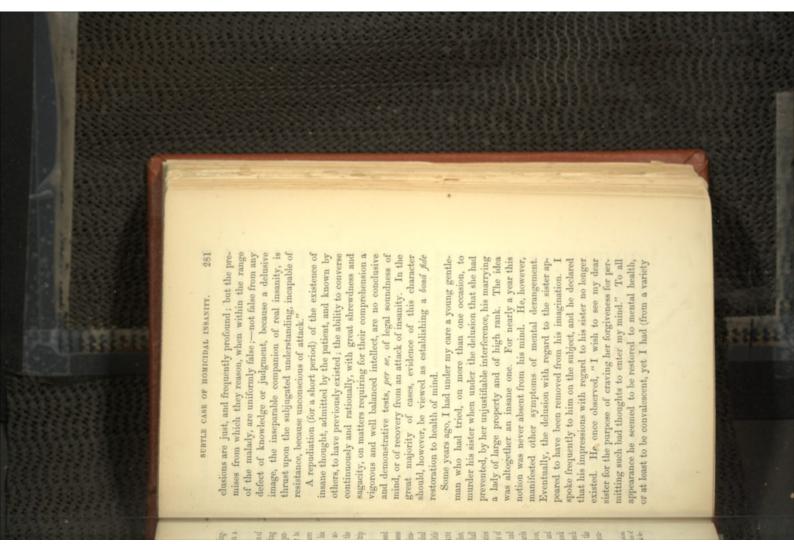
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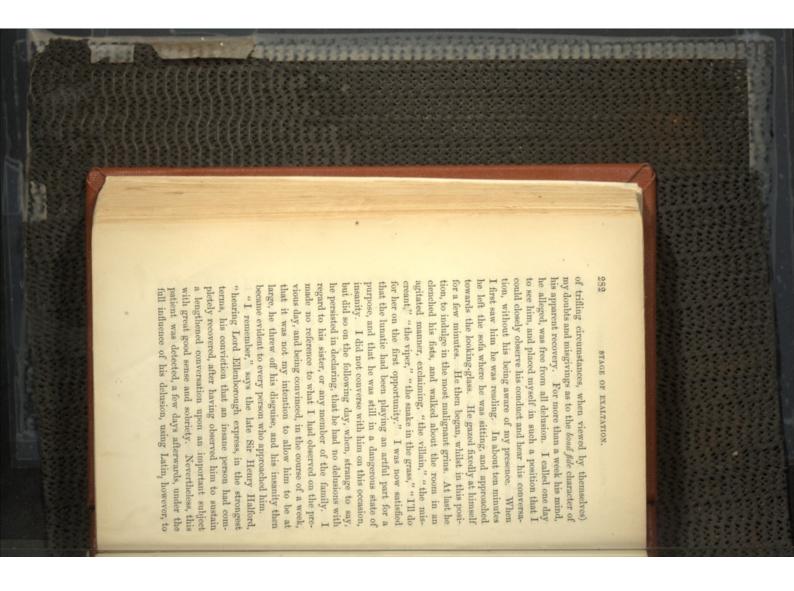
portant subject closely connected with the matter under ment, it will not be irrelevant for me to consider an imconsideration, but perhaps more immediately bearing as well as to the practical psychologist. I refer to the upon a medico-legal point of great interest to the jurist. and extraordinary shrewdness of the insane, as well as sarcasm, great power of self-control, extreme cunning, subtlety, quickness of apprehension, ready wit, biting complished advocates of the day. In many cases it has under the searching analysis of the ablest and most acto exercise over their acknowledged delusions, whilst the wonderful mastery they have occasionally been seen the insanity of the person under examination, or "to and cunningly concealed hallucination. The lunatic, if likely to awaken into activity, the latent insane delusion touch the chord," supposed to be in unison with, and been proved to be useless to possess the "key note" to he be carefully trained and skilfully tutored, having an with wonderful ability, and singular ingenuity, on the his mental disorder, will, under these circumstances, act important purpose to accomplish, by effectually masking members of the bar. nation, make "no sign." How often have I seen the defensive, and, in the teeth of the most stringent examithe acumen of the most experienced and sagacious insane (who have been previously well prepared) thus baffle

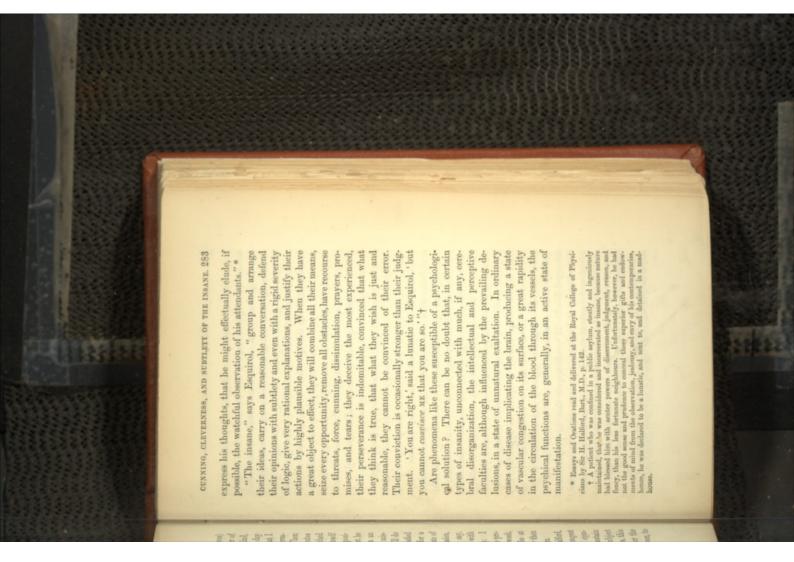
It is a commonly accepted notion, that the delusive idea will immediately develope itself, provided its character be known, and special reference made to it by those engaged in testing the sanity of persons alleged to be of deranged mind. Nathaniel Lee, who acquired no inconsiderable degree of practical knowledge of the phenomena of insanity, during his long incarceration in Bethlem, and prolonged association with the inmates of that hospital, appears to have been inoculated with

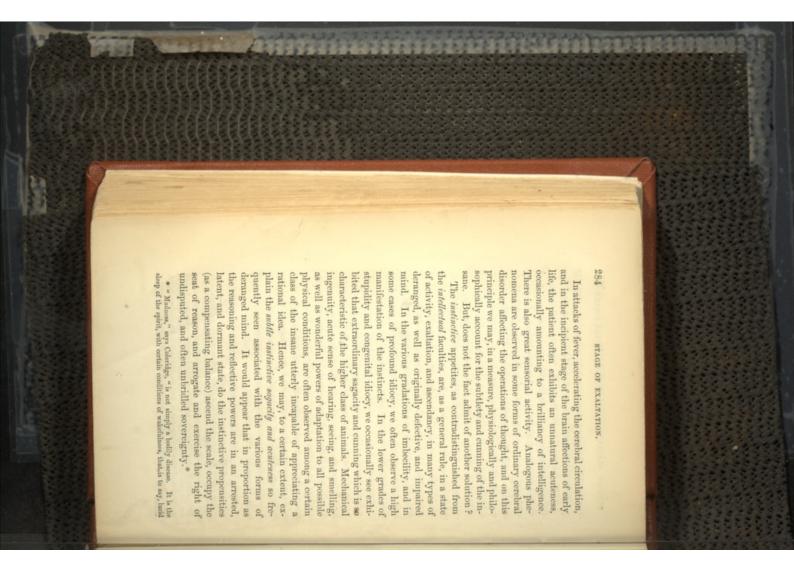


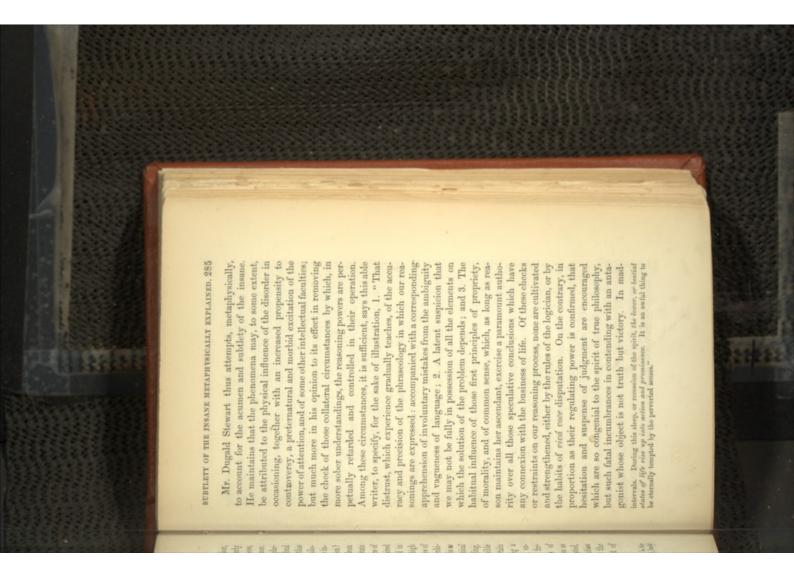












STACE OF EXALTATION.

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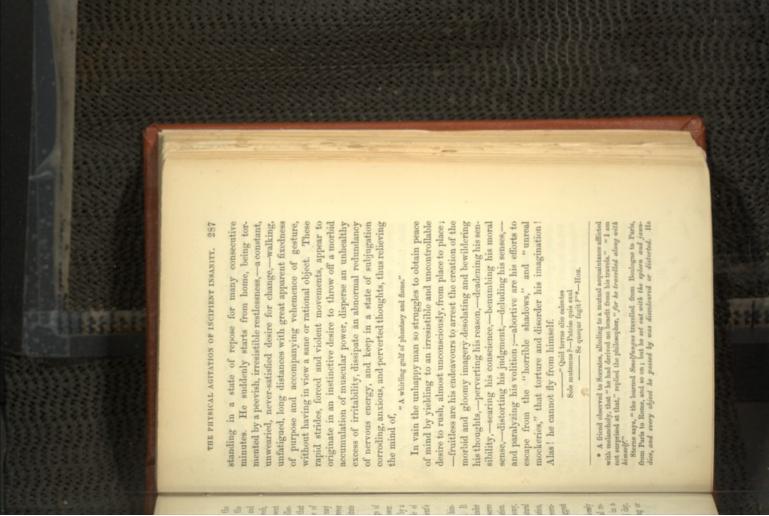
men, where their control is entirely thrown off, the merely logical process (which never stops to analyse the meaning of words) is likely to go on more rapidly and faarlessly than before, producing a volubility of speech, and an apparent quickness of conception, which present to common observers all the characteristics of intellectual superiority. It is scarcely necessary to add, that the same appearances, which in this extreme case of mental aberration are displayed on so great a scale, may be expected to show themselves, more or less, wherever there is any deficiency in those qualities which constitute depth and sagacity of judgment."*

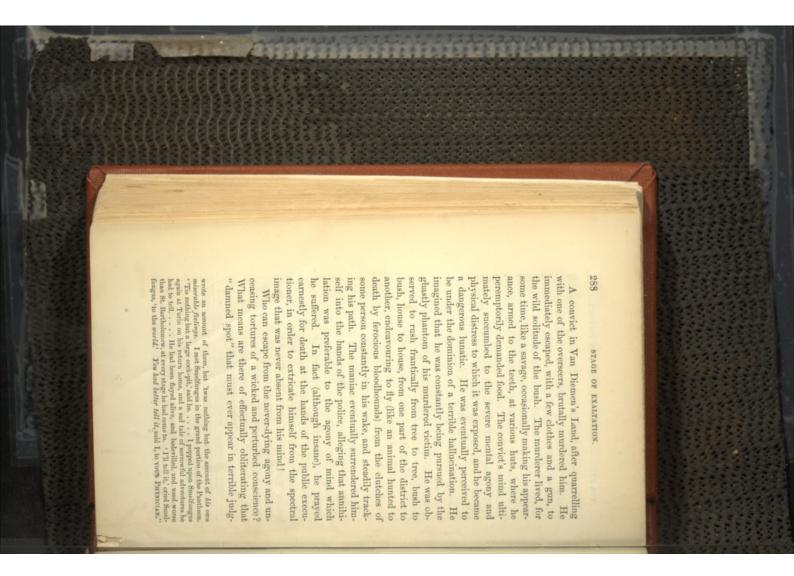
2. SOMATIC EXALTATION. In the incipient stage of insanity there is great disturbance of the *molor* power. This is often, in the first instance, only indicated by a general muscular agitation producing a *brusquerie* of manner, forming a striking contrast to the patient's natural state of quietness and repose.

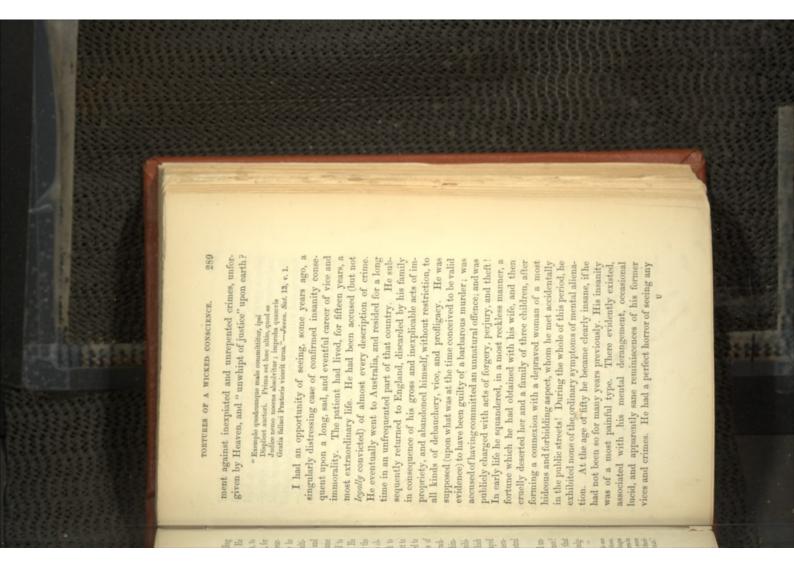
As the mental disorder progresses, he comports himself like a person in a state of incipient intoxication. It is difficult to remove the impression of his being under the influence of vinous stimulants, from those who observe his erratic conduct, and listen to his wild conversation. His singularities of deportment, excited physiognomy, incoherence and extravagance of language, his unnatural elevation of spirits, paroxysmal attacks of exaltation, irregular muscular movements, indicated by his eccentric, odd, rolling, and unsteady gait, naturally suggest the question, is he drawk or mad ?

During the stage of physical agitation, previously referred to, the patient resembles a ferocious animal removed from his wild native forest, and confined in a cage. He paces and repaces the room, night and day, in a condition of extreme perturbation, rarely sitting or

* "Philosophy of the Human Mind" (1848), p. 431-2.







STAGE OF EXALTATION.

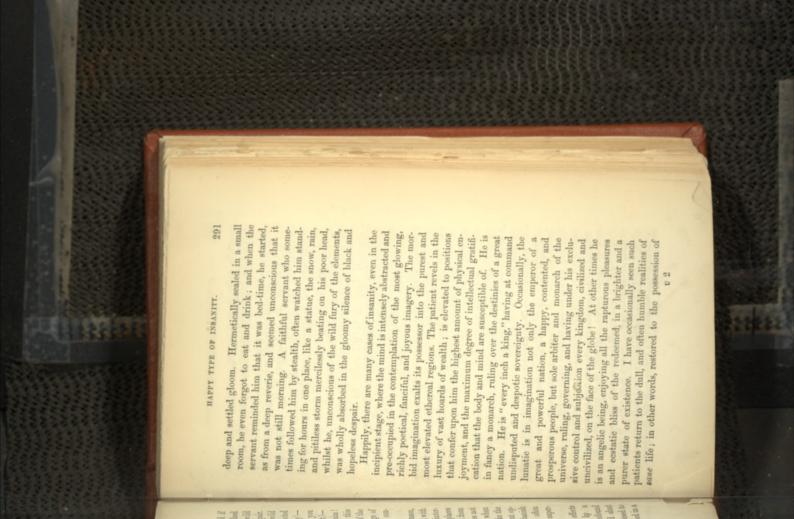
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a stranger were introduced, he immediately rushed one enter the room in which he was confined; and if distress, and with an expression of perfect terror depicted and untamed animal, in an agony of frenzied despair. into a corner, where he would crouch like a wild on his countenance, literally screamed, "away, away!---He then held up his hands in the attitude of wild stare so at me?-I am not the man !-I am innocent !---I don't come near me !-- I don't know you !-- why do you unhappy man's condition, I was forcibly reminded of the falsely accused i-turn him out i-I wont speak to him i Banquo is conjured into existence by the guilty conscene in Macbeth, where the gory spectral image of -- I will confess nothing !" When contemplating this

science of the king. that the illusions of the one are not distinguished from changeably upon the mind, and so often shift their places the dread of guilt. Fancy and conscience then act inter-" is so difficult of cure as that which is complicated with melancholy, and the melancholy almost always superthe dictates of the other. If fancy presents images not moral or religious, the mind drives them away when position, because we are afraid to exclude or banish form of duty, they lay hold on the faculties without opthey give it pain ; but when melancholy notions take the "No disease of the imagination," says Dr. Johnson, them. For this reason, the superstitious are often

of remorse. His insanity was manifested by a state of frantic grief. To this succeeded profound melancholy. He sent away all his friends, and shut himself up in his mansion at Veret, where he refused to see a single creature. His whole soul was absorbed in a The Abbé de Rancé became insane from the effects

* Rasselas.

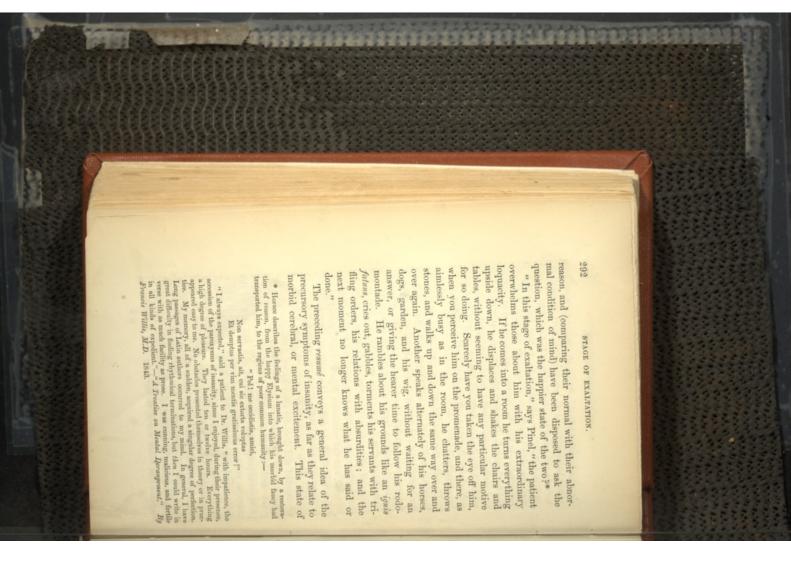


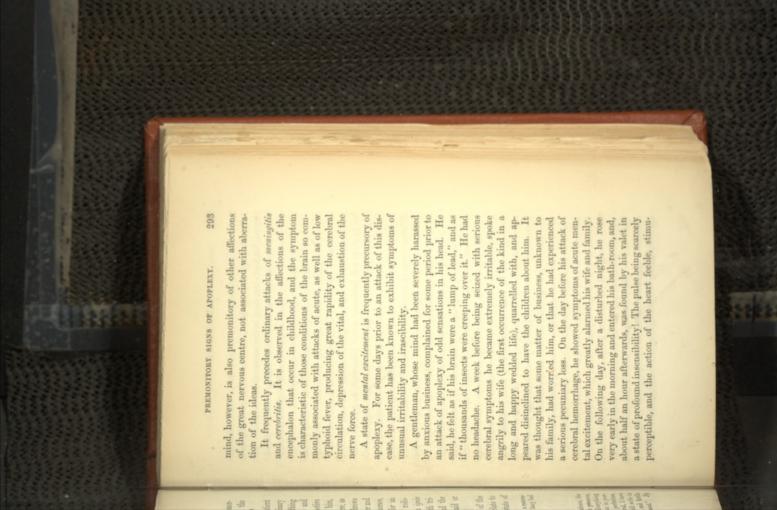
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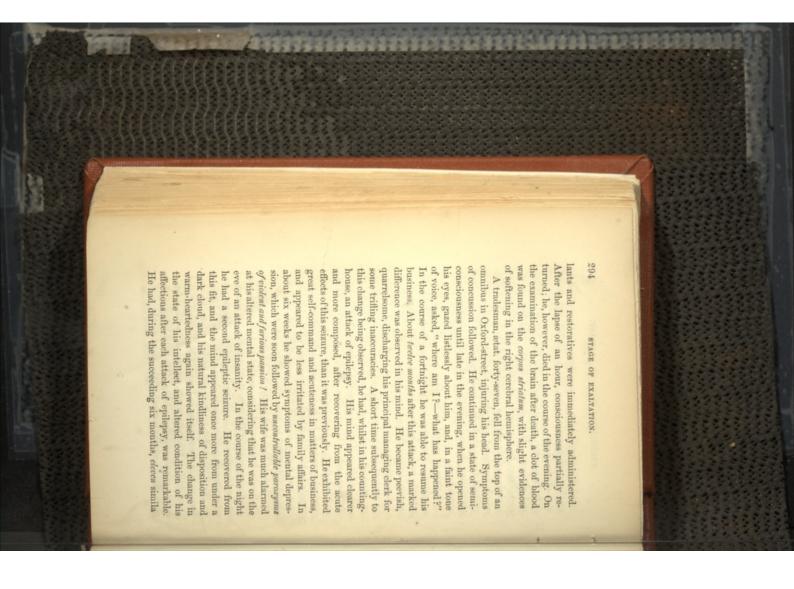
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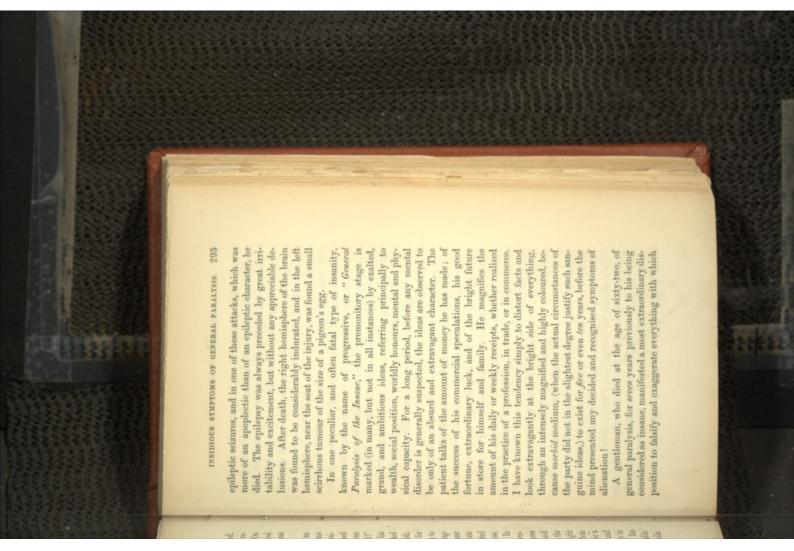
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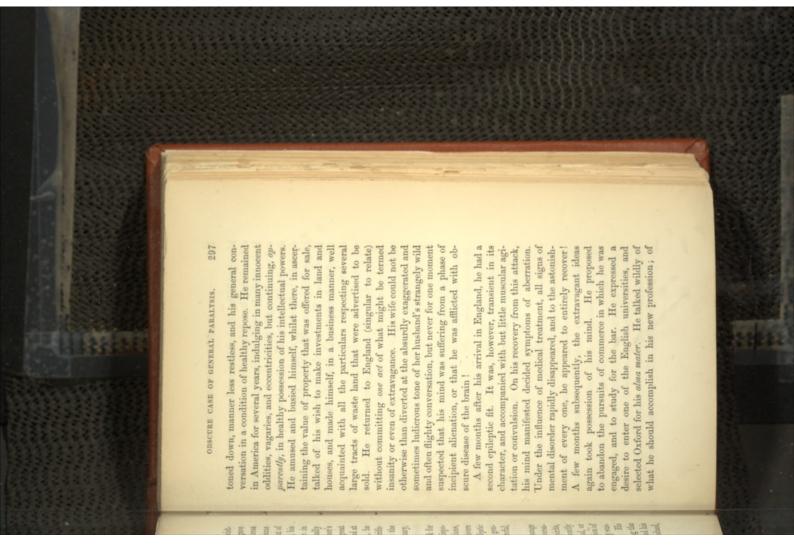
STAGE OF EXALTATION.

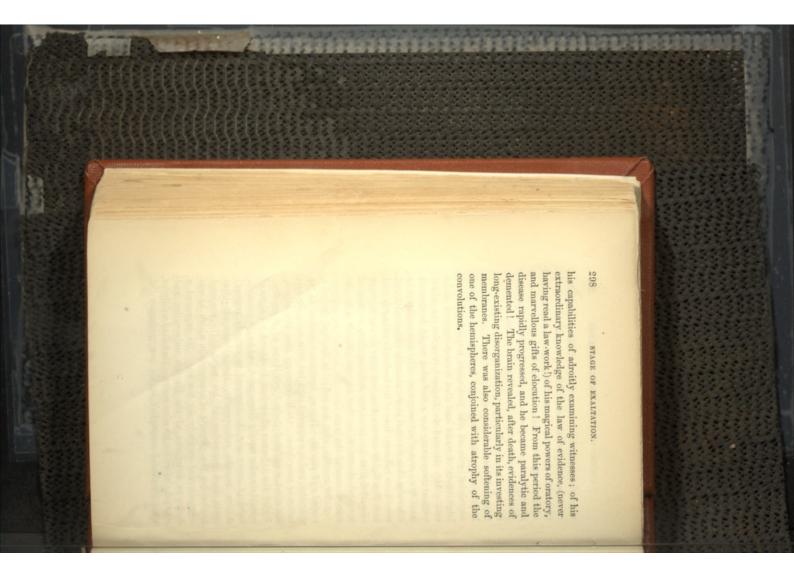
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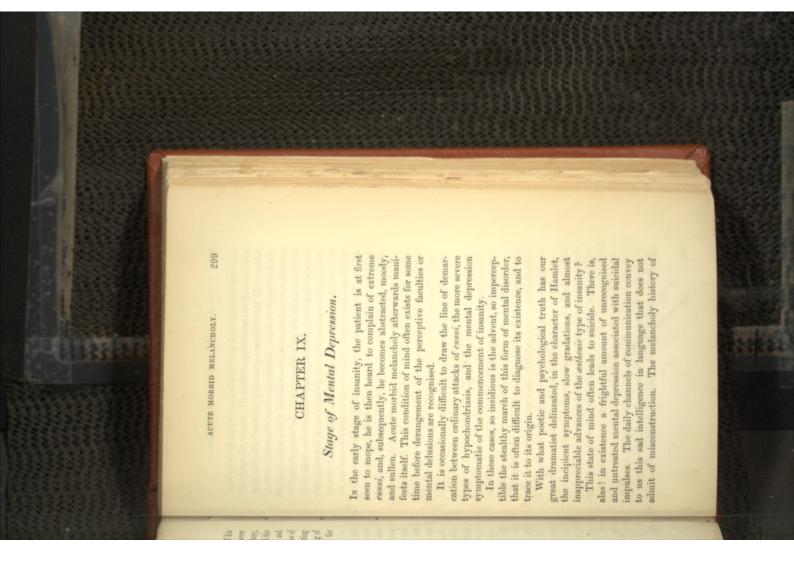
he had to do. His want of a right appreciation of existing facts, his constant and singular untruthfulness, gave crise, among his relations, to much anxiety and distress of mind. Some of his most intimate friends became extranged from him in consequence of his gross want of veracity. As the disease of the brain progressed, his mind became perceptibly more disposed to indulge in wild, visionary, and illusory notions. He eventually imagined that he had discovered the philosopher's stone, the art of making gold, was possessed of great wealth, and had the coffers of the Bank of England at his disposal! A few months before his death, he was busily engaged in a scheme, exhibiting great arithmetical eleverness and ingenuity, for paying off the national debt, out of his own vast, but, alas! imaginary,

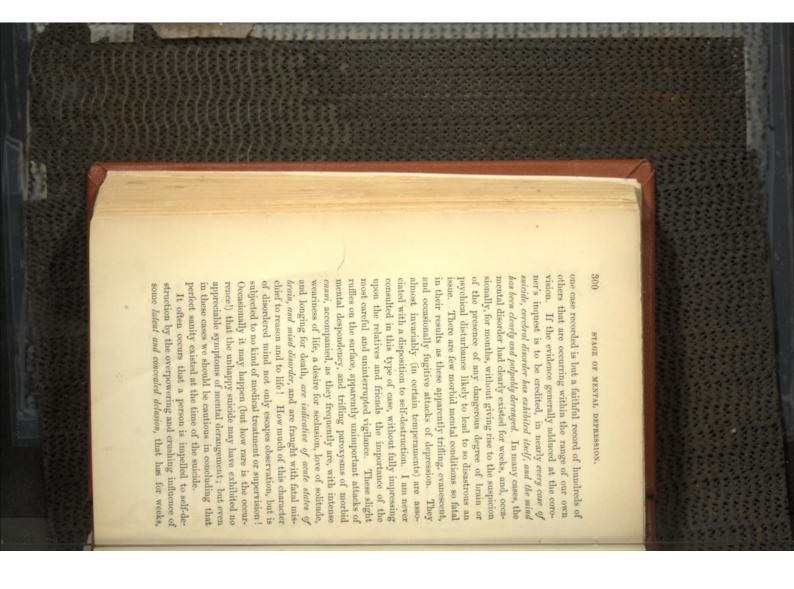
hoard of wealth! In another case, the disease could be traced back for ten years, when the patient's habits, thoughts, and disposition were observed to undergo remarkable alterations, following, what was at that time thought to be, a severe *fainting* fit, but which, undoubtedly, was an *epileptic* seizme. Previously to the attack of epilepsy, this gentleman was noted for being a prudent, cautious, careful, and unimaginative man.

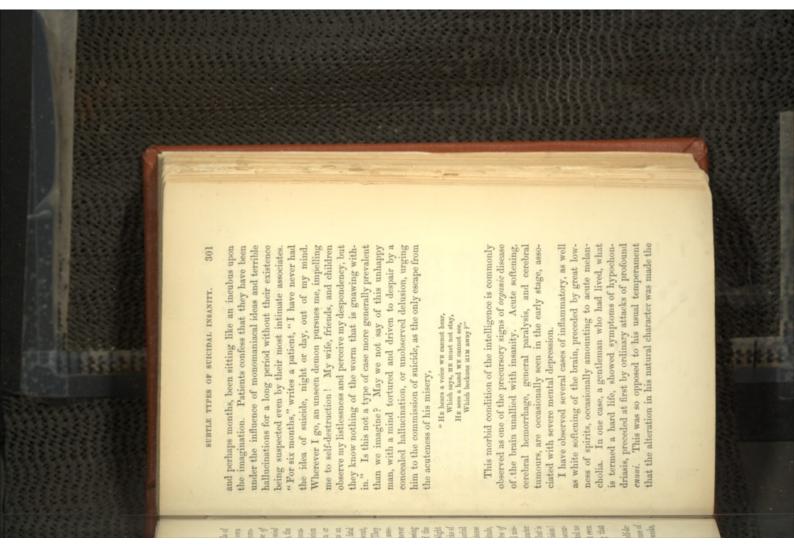
A few days after the attack referred to, a marked change was observed in the patient's deportment and conversation. He exhibited an unnatural flow of animal spirits, unusual buoyancy and elasticity of mind, and subsequently indulged in the most absurd, but still not irrational, or insane notions of grandeur and wealth. This condition of mind continued *for nearly a year*, without exciting any suspicion as to his real state of mental or bodily health. He then visited the United States of America. During the voyage out he suffered greatly from sea-sickness, and his ideas (perhaps as a consequence) were more subdued,

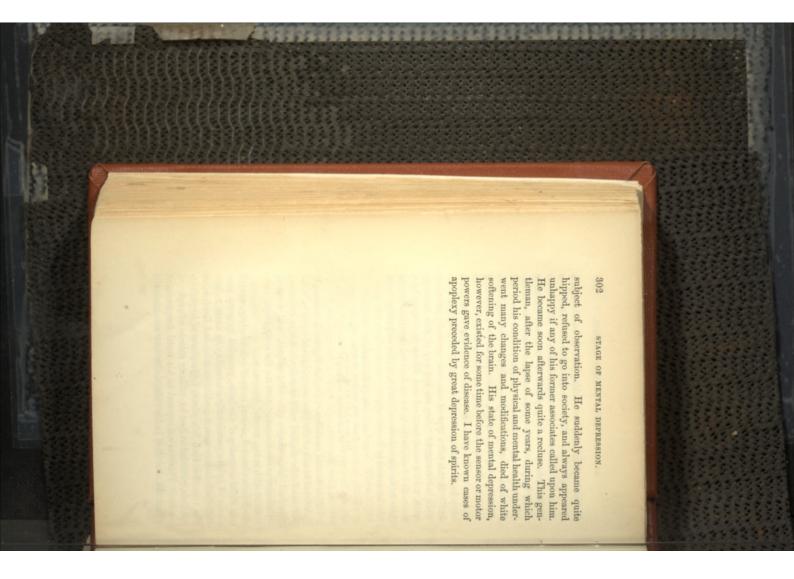


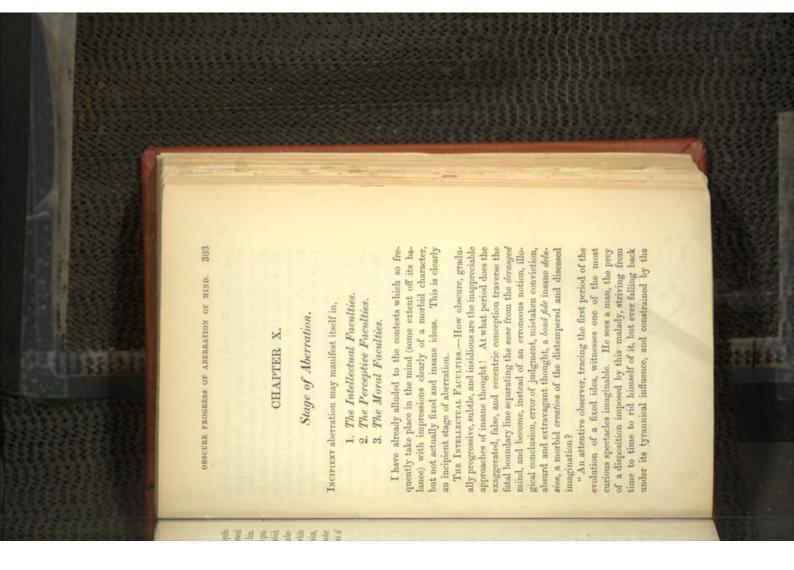














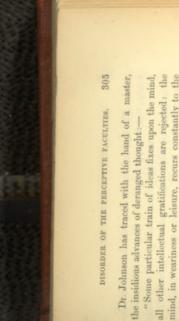
laws of his mind to seek for some form under which to give it a body and a definite existence. He will be seen successively to adopt, and to repel, the divers ideas which present themselves to him, and laboriously striving to deliver himself of a delirium which shall be the expression, the exact image, of an internal condition of which he himself, after all, suspects not the existence! This first phase in the evolution of the fixed idea, this gradual and progressive creation of delirium, constitutes the period of incubation of insanity."*

a trivial and insignificant one, assumes, however, (as the tually, these notions become extravagant and exaggerated dwells slightly upon the fact; he then allows the impresoffences, triffing in their character. His mind at first only an extravagant conception, becomes a clearly manihealth becoming deranged, the idea which was, originally racter in the estimation of the person whose mind is mental disease progresses,) a grave and significant cha-The injury which was, in the first instance, considered thought being rigidly excluded from his mind. Evenmensurate with their importance, other trains of healthy sions to absorb the attention to a degree quite incomfancy de novo, but in a morbid exaggeration, and insane The intellect at last yields to the pressure, and the general almost exclusively occupied in its morbid contemplation. idea, the insanity consisting, not in a creation of the fested delusion; in other words, a fixed and settled insane perversion, of actually existing circumstances. A man has received an offence, perhaps a series of

"It is the character of insanity not only to call up impressions which are entirely visionary, but also to distort and exaggerate those which are true, and to carry them to consequences which they do not warrant in the estimation of a sound mind."⁺

+ Abercrombie.

* Falret.



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all other intellectual gratifications are rejected: the mind, in wearness or leisure, recurs constantly to the favourite conception, and feasts on the luscious falsehood, whenever it is offended with the bitterness of truth. By degrees, the reign of fancy is confirmed. She grows first imperious, and in time despotie. These fictions begin to operate as realities, false opinions fasten upon the mind, and life passes in dreams of rapture or of anguish."

臣臣

The PERCETIVE FACULTES.—The perceptive powers are often the first to yield to the influence of disease. A gentleman, who eventually became insune, and died, alas! by his own hand, for months before he yielded to the delusion that led to his confinement, and self-destruction, battled strongly and heroically with an illusion of the senses, which he was conscious had no existence apart from himself.

He often conversed with his wife upon the subject of his horrible phantasy, and " unreal mockery," she trying, by soothing expressions of devoted affection, and arguments addressed to his reason, to dissipate the terrible image that pursued him, like an evil eye, night and day. This gentleman's state of brain was not made a matter of investigation until his insunity was obviously declared. His reason and life would, in all probability, have been saved, had timely medical aid been obtained for his relief!

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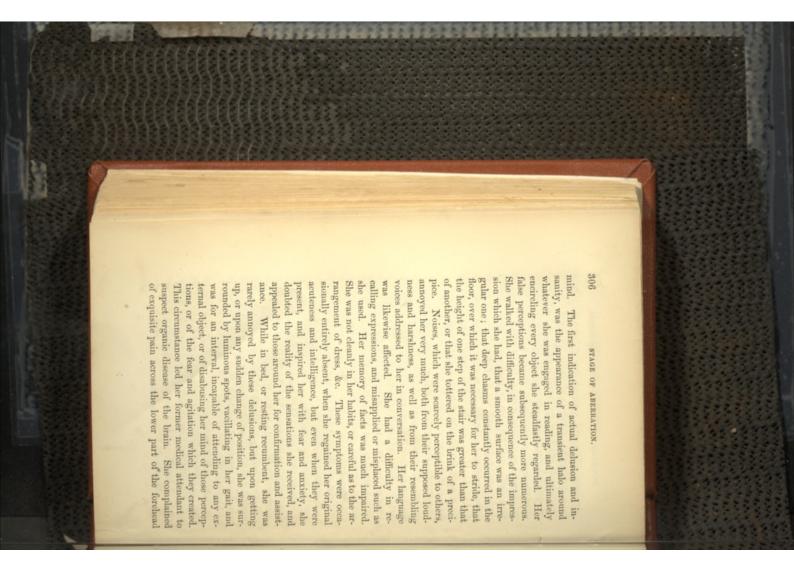
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·湯 百 吉 音 著

A lady, actar. fifty, wife of a merchant, well educated, head large, temperament bilio-lymphatic, experienced several family misfortunes, which gave rise to much bodily ill-health, and to a restless and irritable state of

125

· Rasselas.



ILLUSIONS PREMONITORY OF APOPLEXY. 307

and temples; and so intense were her sufferings that she was unable to bear the weight, or even the touch of glasses which she was accustomed to wear."

i 1

古昌

The mind occasionally exhibits evidence of aberration in the precursory stage of *cerebral*, as well as *mental* disease, particularly in congestive and inflammatory conditions of the brain and its meninges. Illusions of the senses, as well as delusions of the mind, are sometimes noticed among the incipient symptoms of acute affections of the encephalon.

臣直自司刑刑

A state of mental terror and alarm, vague, shadowy, and undefined notions of approaching evil, very frequently precede actual aberration of intellect, the patient imagining that some dreadful, inexplicable, and mysterious doom is impending, or that some serious catastropho is about to occur.

1

A gentleman, a few days previously to an attack of apoplary, could not disposses his mind of the idea, that he had committed a grave *moral* offence, for which he was to be tried in a court of law. He could not be reasoned out of this delusion.

In another case, the patient was subject to distressing phantasms. These symptoms have been observed as precursory of acute softening of the brain, as well as of cerebral hemorrhage. A patient conceived, for many weeks prior to an apoplectic seizure, that he was pursued by a spectre.

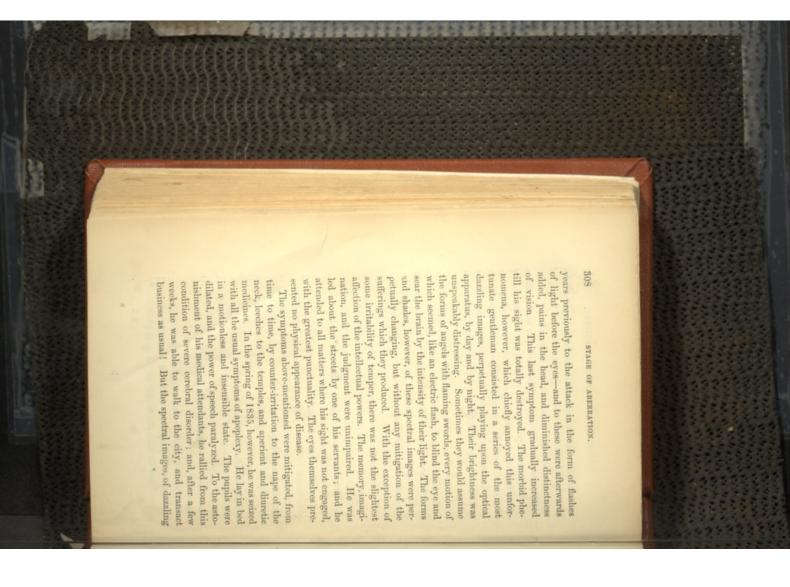
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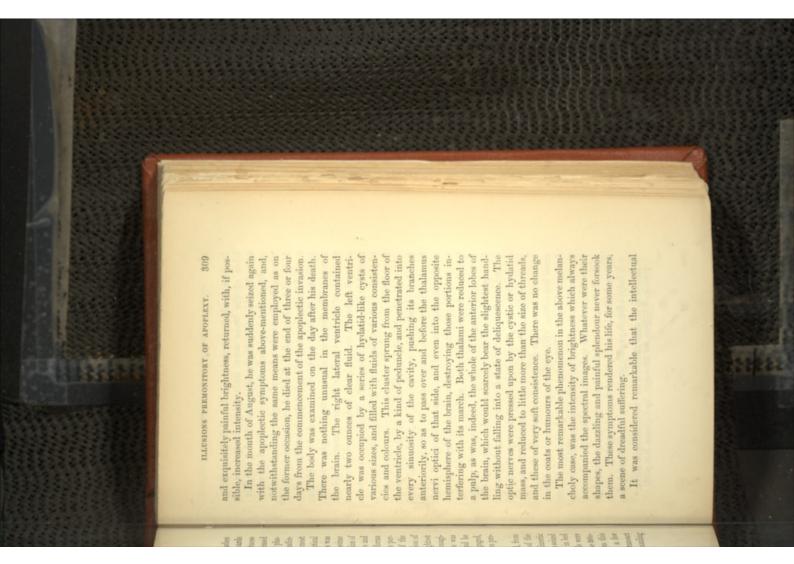
Inflammation of the brain is often preceded by a perversion of the sense of smell, and illusions of sight and touch. Bouillard, Parent Duchatelet, and Martinet, relate several interesting cases illustrative of these phenonena.

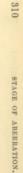
An eminent artist died of softening of the brain. The cerebral symptoms exhibited themselves several

* " Phrenological Journal," vol. ziv. pp. 77-8.

X 2







mental in the final catastrophe? What was the cause the cause of the apoplexy? or the consequence of it?-If it existed long before the fatal event, there will be lobes of the brain were undergoing the process of softening which they displayed on dissection ! " Did this faculties should have remained entire, while the anterior from it ?"* of the first attack of apoplexy, and why did he recover or was it a gradual accumulation, and not mainly instruseizure. Was the serous effusion into the right ventricle intellectual faculties up to the time of the apoplectic some difficulty in accounting for the integrity of the "during the three or four days of apoplexy prior to death? ramollissement take place," asks the narrator of the case,

another at the house of his deceased friend. He had tomed to drink freely, was invited to the funeral of a morning, he imagined he heard five hundred people tinued to carouse until late at night. On the following some of his acquaintances at dinner, with whom he confriend. or two, he felt himself restored to good health.† freely, and sent to Edinburgh for a physician. When came insensible. When the surgeon came, he bled him to be sent for without delay, and soon afterwards he beyard, and desired the surgeon who attended his family danger from this sensation, he hurried across the farmconfusion of tongues at Babel. Portending the utmost talking at once. He compared what he heard to the again bled, and a third time next morning ; and in a day but still he laboured under considerable stupor; he was that gentleman arrived, the patient was a little relieved, A farmer in the neighbourhood of Edinburgh, accus-He took a dram before he left home, and

Recorded by Dr. James Johnson, in the "Medico-Chirungical Review," + " Cases of Apoplexy and Lethargy," By J. Cheyne, M.D. p. 83.

A lady, a few days previously to an attack of paralysis,

expression of intense alarm which he exhibited, occurring not resist telling it in all its details to his friends on the following day. He also desired to be informed if his wife and family had not arrived from America, and was thrown into a state of great terror by an apparition A young child, a short period before being seized with acute meningitis, imagined that a brother who had been dead for several years re-appeared to him. In a case of fatal hydrocephalus, the first symptom that directed attention to the state of the child's brain, was a sudden during the evening, arising from an impression that an apparition was in the room, and near the bed. In an illusion of the senses, the patient fancying that the Morgagni mentions the case of a man who, working from an hallucination. He fancied he saw a spectre clothed in white. On his death, which quickly supervened, it was discovered that he was labouring under "Some months ago," says-Dr. Alderson, "I attended a patient, who had been attacked, during a voyage from America, with violent headache. He was relieved by the formation of an abscess beneath the integuments of was so strong, and the conversation he had held with his son so circumstantial and important, that he could ILLUSIONS PREMONITORY OF DISEASE OF THE BRAIN. 311 another case, an attack of meningitis was ushered in by ghost of a deceased relative was gliding about the room ! at night in a cesspool attached to a hospital, suffered the skull; his breathing was somewhat affected by other tumours which had formed in the throat. He complained of having fatiguing dreams, and even of dreaming when awake. A short time afterwards he told me that for the space of an hour or two he thought he saw his wife and family, although convinced by his reason that they were in America. The impression on his mind that she had fancied appeared to her in the night. venous congestion, and cerebral softening. 百百月 12 -100 自营车,是首自 是是名言 T



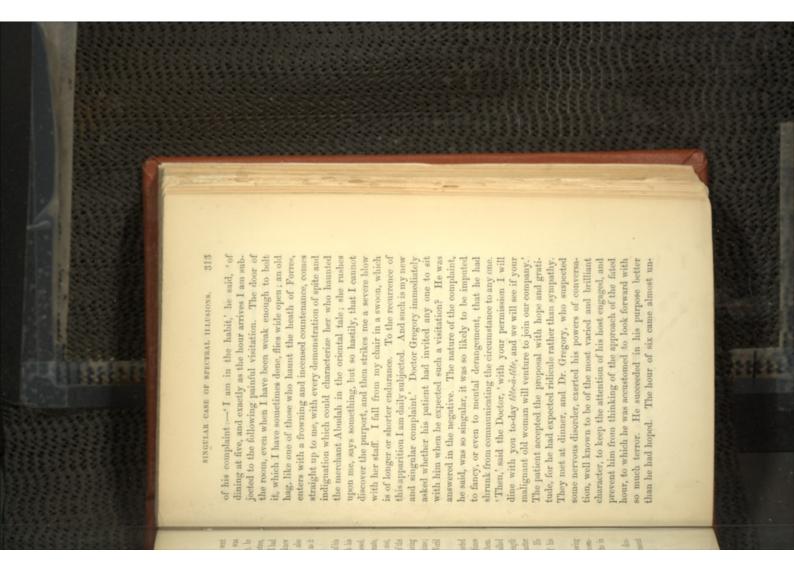
whether they were not in the same house. I was sent for a second time; he quickly perceived that he was considered deranged, when, turning towards me, he inquired if his disease could induce a belief in spectres, apparitions, and figures? 'Until now,' said he, 'I had no faith in all the stories of this character.' He knew that he was perfectly same, and that his friends also acknowledged him to be so, with a mind as strong as it had ever been.

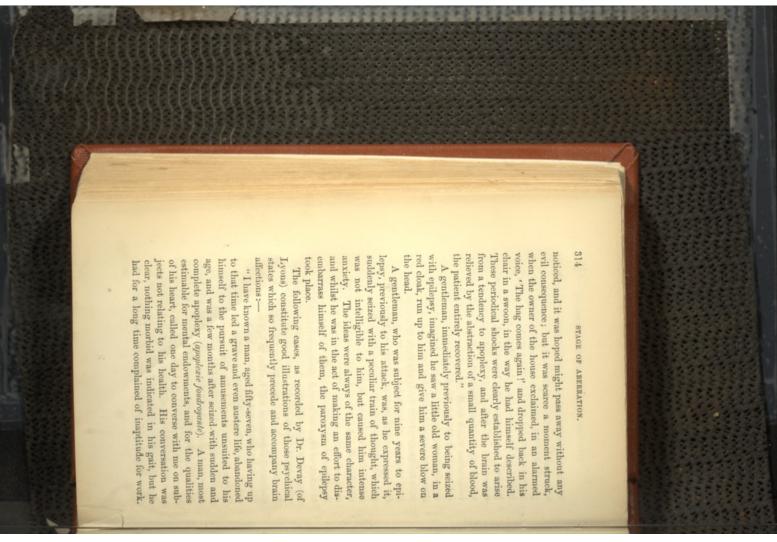
" Having explained to him the nature and cause of his visions, and told him that they would cease with his bodily sufferings, both he and his friends grew composed. But the phantoms became more and more importunate, until he could not make up his mind to retire to rest, because he was immediately harassed by the souls of the dead, or visited by persons disagreeable to him. Having changed his room, the visions ceased for some time; but he soon perceived his friends of the New World pictured as on a piece of polished metal.

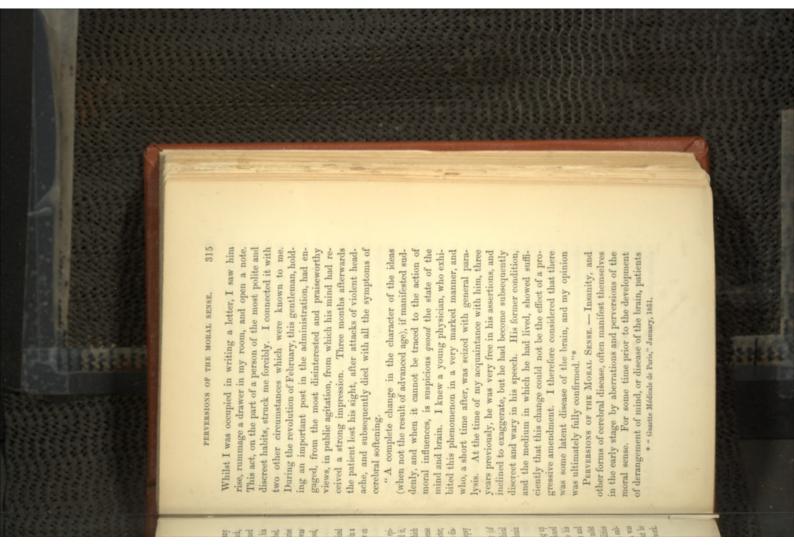
"Designedly occupying myself with a book, I detected him mentally conversing with them, and at times evidently imagining that I also saw and heard them. When he looked away from the polished bar, he talked sensibly on religion, medicine, and politics. At length he changed his residence, when the purulent matter being discharged, his condition was ameliorated. He is now convalescent, and entirely relieved of his phantoms."

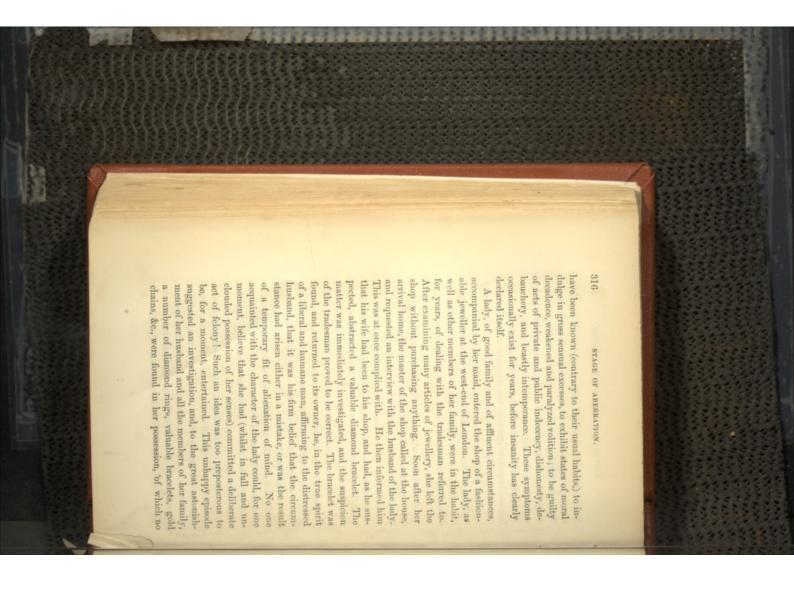
Dr. Hibbert relates the particulars of the following interesting case, which he says the learned and accomplished Dr. Gregory, of Edinburgh, used to refer to in his lectures:---

" A patient of some rank having requested the doctor's advice, made the following extraordinary statement * "Edinburgh Medical and Surgical Journal," vol. vir p. 291.









INSANE PILPERING AND CONCEALING. 317

account could be given. About nine months after this affirir, this lady's conduct became so remarkably and patently singular, that, for the first time, her husband began to suspect the existence of aberration of mind. Her mental disorder exhibited itself in a disposition to pilfer everything she could lay her hands upon. The articles so stolen were most cleverly concealed in various parts of her dress, in beds, and in parts of the house not generally frequented by the family.

夏-恒

新自己的

白百石山

Such was the state of the patient's mind when I was first consulted. I had no doubt as to the character of the case. It was my opinion that other and more decided symptoms of insuity would, in a short time, be observed. In three months from my first seeing this patient, her mind exhibited decided indications of aberration, rendering it necessary for her to be removed from home. Her mental health was re-established in about eighteen months.

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夏雪湯

吉昌

12

The wife of a respectable tradesman, for twelve months before her mind was imagined to be disordered, was repeatedly in the habit of entering her husband's shop and stealing small sums of money from the till. With this she purchased a number of useless articles of dress, with which her wardrobe was cranmed. She had also spoves, petitocats, silk and satin dresses, for which she had no use, in fact, which she never wore or intended to wear. She had a mania for stealing, scereting, and purchasing useless articles of dress quite unsuitable for a person in her station of life. This patient eventually exhibited religious hallucinations, and, under a delusion that she had committed the unpardonable sin, made an attempt upon her life.

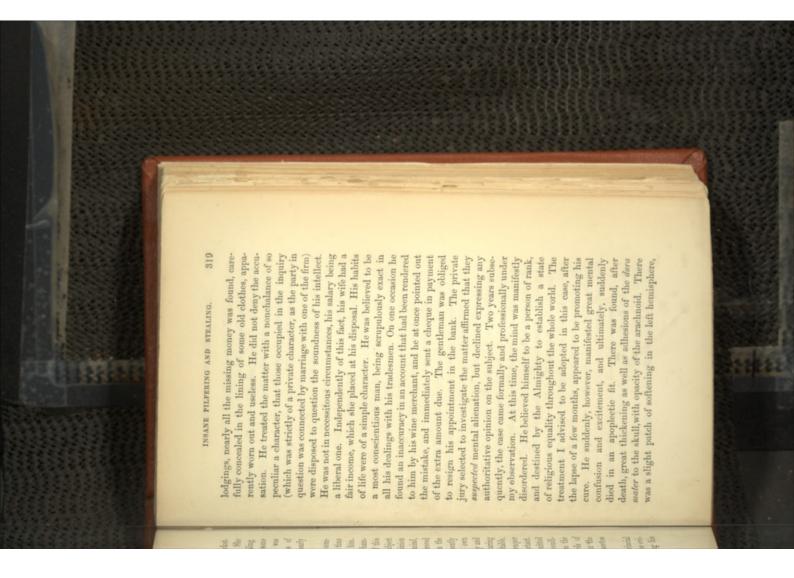
A lady, well known in fushionable life, was repeatedly detected in the act of purloining articles of value from her friends. When she returned home from a dinner

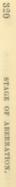


party or a ball, her maid invariably found several pockethandkerchiefs and fans concealed about her person. She could not resist the temptation of picking and stealing. Her family sometimes suspected that there was some disorder of the intellect, but no medical advice was obtained until she exhibited decided symptoms of morbid mental excitement accompanied with clearly manifested delusions.

of formal inquiry. Many of his friends were of opinion mitted numerous petty acts of theft, which for some time at vacancy. At times he was unreasonably irritable, abstracted state. He would sit for several hours staring habit of walking about his room at night, frequently by his servant that he had for some time been in the and, in his defence, this plea was raised. It was proved that the young gentleman was not altogether of sane mind wine in his possession. His conduct was made the subject pagne at a time when he had a superabundance of this he cunningly contrived to conceal from those about him. disease of the brain, supposed to be softening, but the army. This gentleman died six years afterwards of tion, his family were advised to remove him from the of the criminal charge, but, considering his mental condi-On these, and other grounds, he was honourably acquitted and freedom from all passion were essentially important particularly on occasions when great command of temper thoughts. talking to himself and laughing loudly at his own He was eventually detected in stealing a bottle of chamfact could not be positively ascertained as no post mortem examination was permitted. A young gentleman, connected with the army, com-He was occasionally found in a moody and

A clerk, holding a confidential position in a provincial bank, was accused of repeated acts of theft. The evidence against him was conclusive. On searching his



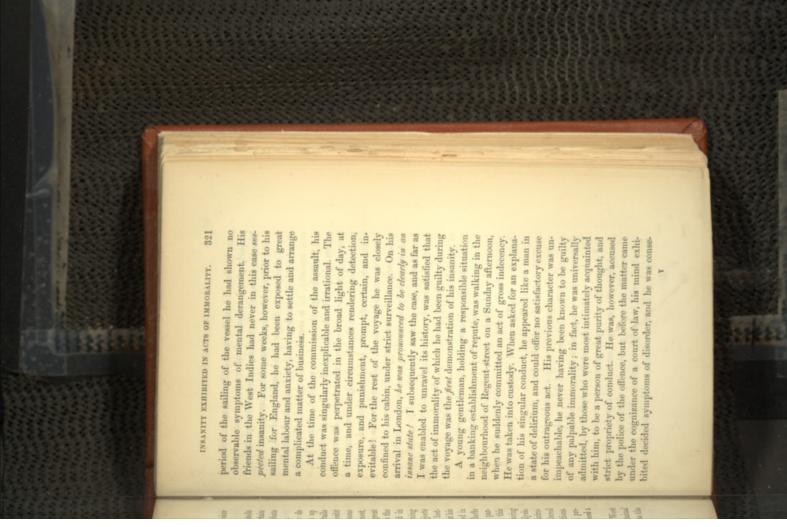


which contained a clot of extravasated blood of the size of a small bird's egg.

I have had under my care a lady who invariably stole whatever she could lay her hands upon during certain uterine changes, and another patient always manifests

to the time when I was consulted, and yet the details the same propensity at the period of utero-gestation. progress of the disease, his avarice was manifested in he had for more than six years exhibited great sordid avarice and unbridled licentiousness. With the time impaired. From having been generous and honest, which were furnished to me by his wife left no doubt Boismont, " had performed the duties of his station up mind was disordered. Some time after, I was called in that he had already done so, and even purloined objects mean actions; he refused to pay his debts, maintaining that his moral and affective faculties had been for some ticulars with which I was furnished regarding this named acts were committed, no one had suspected that his from the houses of his acquaintances. Until the lastduction to the patient, the first words that he uttered patient inclined me to believe that he was labouring had made much noise some years previously. The parconsultation to see a retired public officer, whose thefts few months ago.".* viously. His mental alienation was only recognised a His delinquencies had been observed eight years prefully established the correctness of my anticipations. I felt certain that such was the fact. On my introunder the premonitory symptoms of general paralysis "A person high in office," says Dr. Brierre de

A gentleman, whilst on a voyage from the West Indies to England, attempted to commit a criminal assault upon one of the female passengers! Up to the * "Gaaste Médicale de Paris." 1847. P. 363.

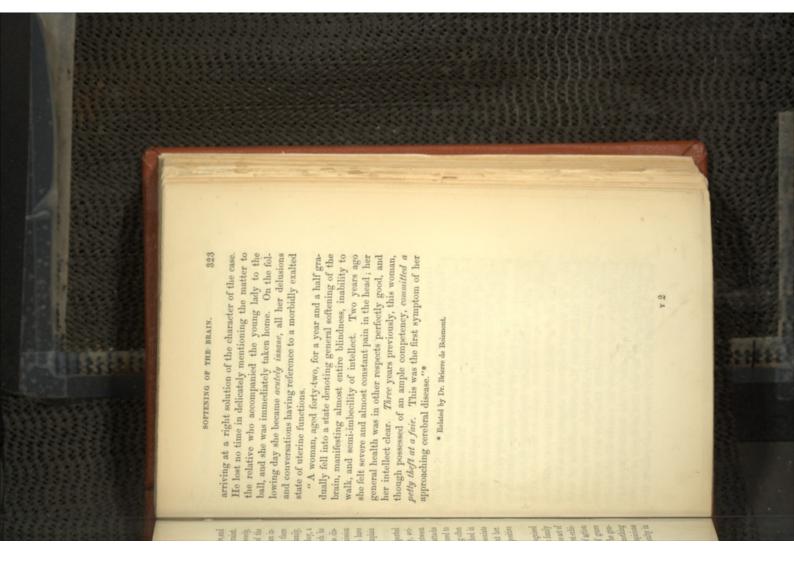


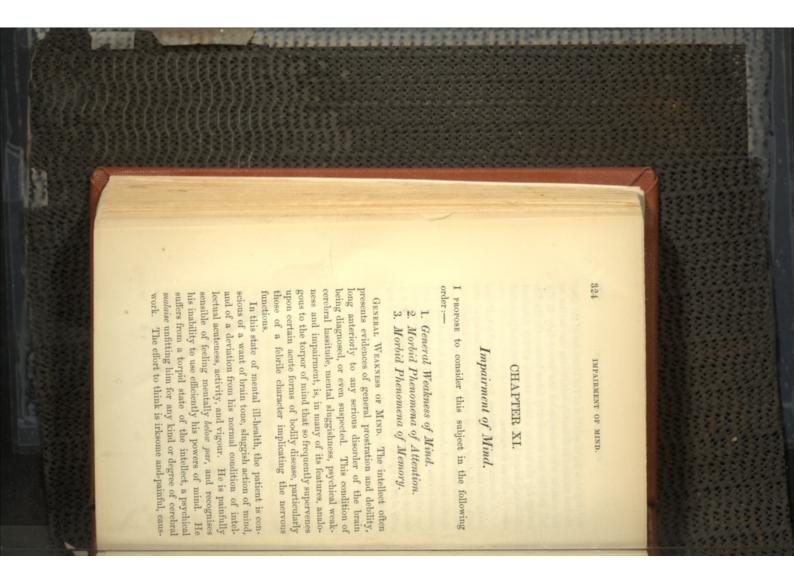


quently released from the hands of the civil authorities, and properly placed under medical treatment and restraint. Was the immoral offence the *first* over a *et al insamily*, or did the mind become deranged in consequence of the dread of exposure, disgrace, and punishment? I am inelined to the former hypothesis. It appeared that there was insanity, to a considerable extent, in the family, and that this gentleman had received, when a boy, a severe injury to the head, from the effects of which he was supposed never to have recovered. It was discovered that for some days previously to the commission of the indecent offence, he had been observed to have been singular in his manner, and was heard to complain of headache, restless and disturbed nights.

A young lady, up to the age of nineteen, comported herself with the greatest decorum and propriety, evidencing in her conversation a high moral tone. Between the age of nineteen and twenty, she had several attacks of acute hysteria, but was soon, apparently, restored to health. She then became pensive and sad, retiring often to her own room, where she was often found bathed in tears. She exhibited a great indisposition to associate with the family, or to converse with those about her. Apart from these symptoms she manifested no positive sign of mental aberration.

With a view of rousing her from a state of recognised mental torpor, she was taken by a member of the family to a public ball, and it was whilst there, and in the act of dancing with a comparative stranger, that she first exhibited, by a marked and painfully loose character of action and conversation, unequivocal symptoms either of grave moral depravity, or of serious mental disorder. The gentleman with whom she was dancing observing something peculiarly wild in her physiognomy, had his suspicions awakened as to her condition, and had no difficulty in





INSIDIOUS ADVANCES OF MENTAL IMBECILITY. 325

ing, if persevered in, vertigo, headache, painful confusion of thought, and acute mental depression.

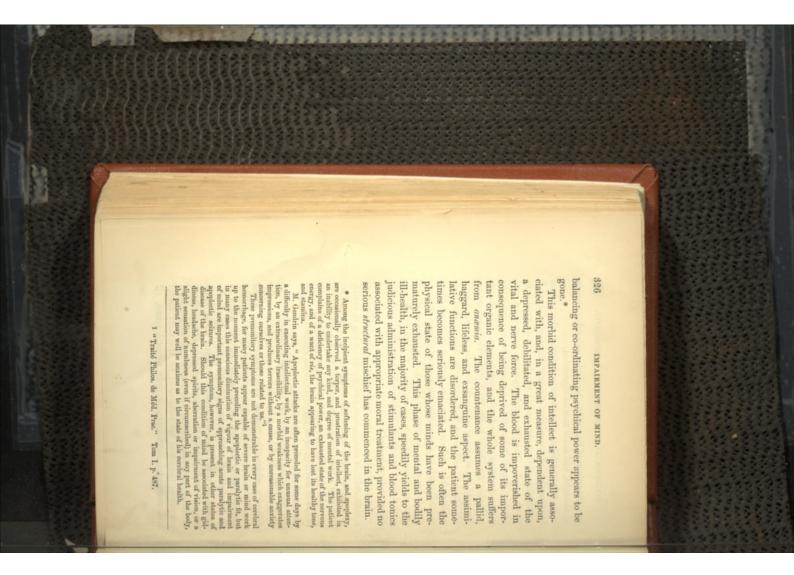
In this condition of nervous exhaustion, the patient continuity of thought, and is at times quite unable to think at all. This mental listlessness, prostration, and apathy, disqualify him for any occupation requiring the active operation of the intellectual powers. He throws aside his favourite books, and even the newspapers, of interest, and even distasteful to him. He then gloomy abstraction in his room, or saunter about the house or streets in a condition of dreamy reverie. I have often witnessed these symptoms consequent upon an overtaxed is incapable of exercising, for any lengthened period formerly the source of so much pleasure, become devoid neglects his ordinary vocation, feeling in mind blase, and only able to sit quietly in a state of and unduly exercised mind.

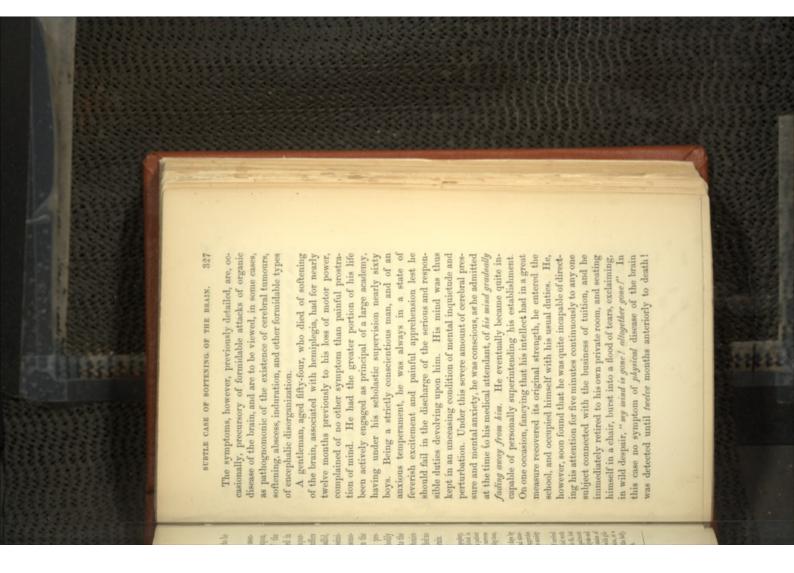
Men, naturally of the most active understandings, of a high order of intelligence, and capable, when in health, of a considerable degree of sustained and vigorous intellectual labour, have been reduced to this sad state of psychical impairment, and "precocious senility," as the result of anxiety, or as the effect of an excessive and severe cerebral and mental strain.

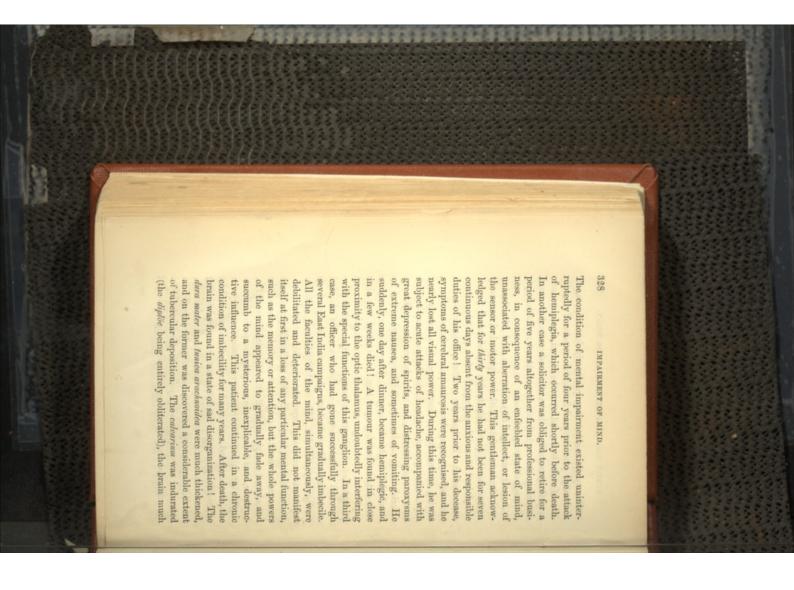
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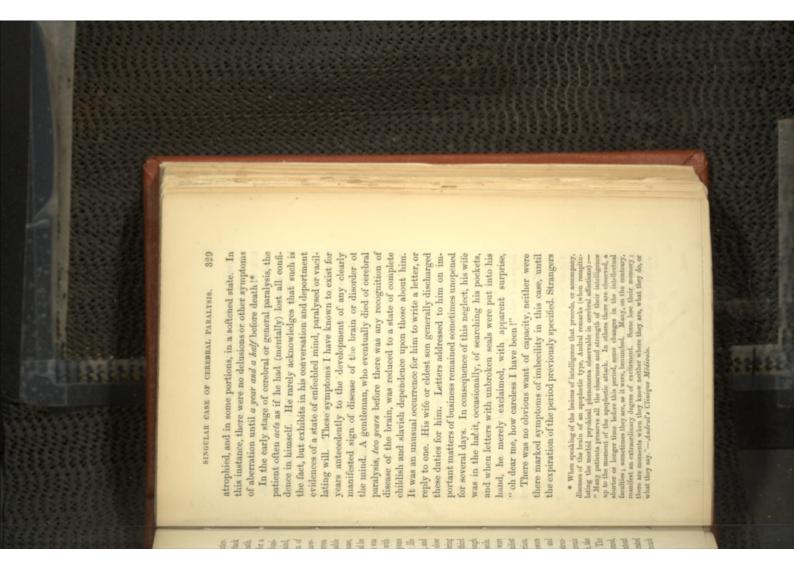
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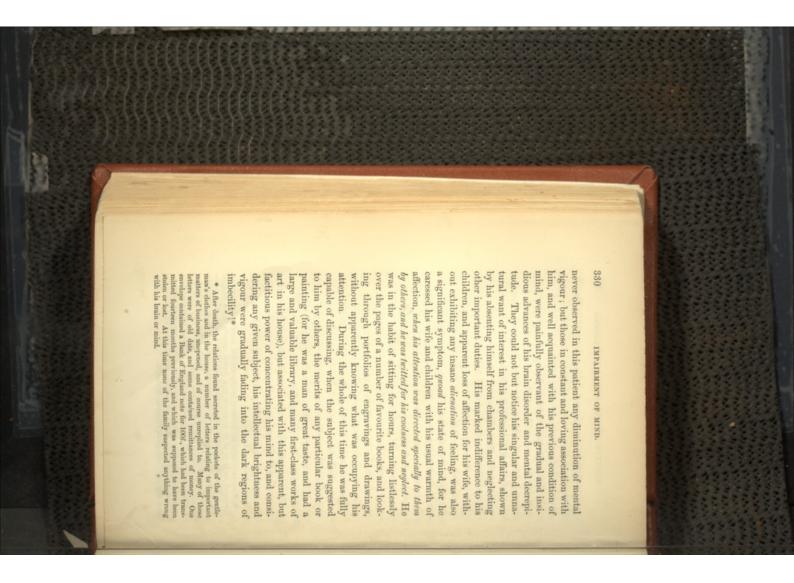
Under these circumstances the mind is easily fatigued. This condition of failing intellect is recognised by the difficulty which the person experiences in preserving intact the sequence of ideas and chain of thought. The memory either wanders, or is vague and incoherent in its associations. All power of healthy psychical combination is either lost, or greatly impaired. The mind has no fixed hold upon its conceptions, and in consequence of an enfeeblement of the will, and weakened power of attention, the ideas are influenced by the most casual and accidental circumstances. In general terms, all

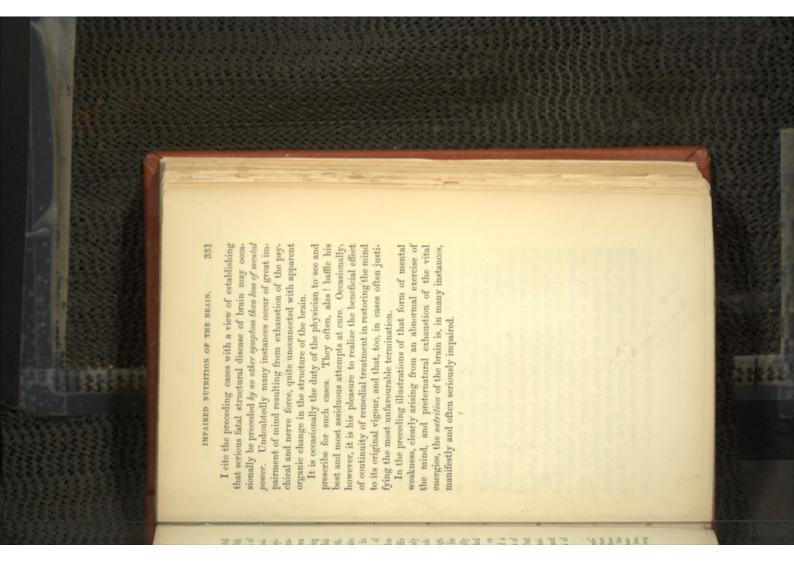














CHAPTER XII.

Morbid Phenomena of Attention.

This subject will be analysed as follows :----

1. Impairment of Attention.

2. Heightened or Exalted Attention.

3. Concentration of the Attention.

The faculty of attention is one of the most important of the varied powers of the mind. Without its possession, the understanding would be a blank. If we had no voluntary capacity to direct the thoughts to objects of consciousness, how abortive would be the attempt to consciousness.

expand, discipline, and improve the intellect? "The difference," says Sir W. Hamilton, "between an ordinary mind and the mind of Newton, consists principally in this, that the one is capable of the application of a more continuous attention than the other; that a Newton is able, without fatigue, to connect inference with inference in one long series towards a determinate end; while the man of inferior capacity is soon obliged to break or let fall the thread which he had begun to spin. This is, in fact, what Sir Isaac Newton, with equal modesty and shrewdness, himself admitted. To one who complimented him on his genius, he replied, "that if he had made any discoveries, it was owing more to patient attention than to any other talent.""

• " Lectures on Metaphysics."



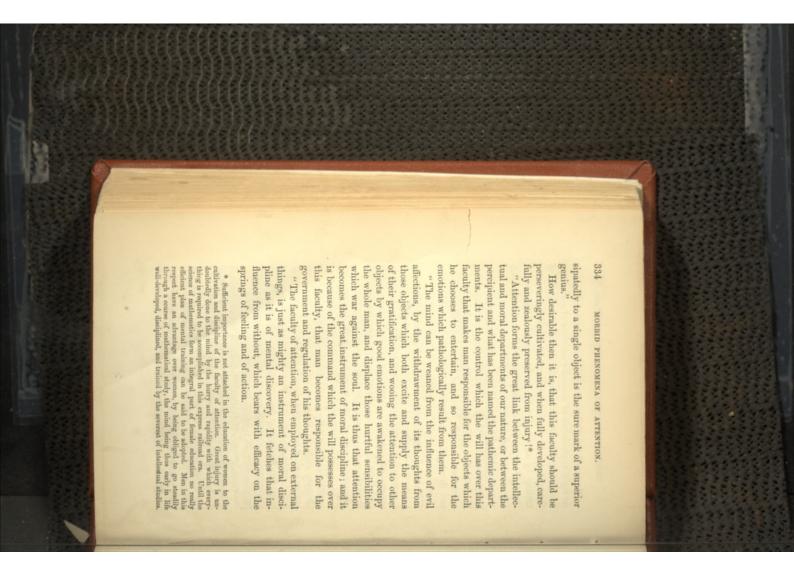
No sound knowledge of objects exterior to ourselves, no right appreciation of normal conditions of consciousness, or accurate insight into the morbid phenomena of thought, can be obtained, without the power of concentrating by an act of volition, the attention to subjects under the immediate contemplation of the understanding. Observation and reflection (two of the most important of the mental faculties) would have no existence apart from the possession of the power of directing and controlling the attention. The able, intelligent, learned, and sagucious man has this faculty of the mind fully matured and developed. It is essential that such should be the case.

manifestation. The absence of this faculty causes great intellectual weakness. The mind so organized has no power of concentrated thought. Objects of sense appears to be destroyed. The man who has this faculty and ability to direct the attention, by an effort of the The dull, vapid, and uninformed understanding exhibits this intellectual power in a very feeble state of are seen, but not observed ; and all power of reflection in the greatest activity and subjection, is best fitted to acquire and mentally retain the knowledge which, if properly applied, elevates him to political, professional, and social positions of influence, usefulness, and autho-Without the power of continuity of thought, will, to subjects of contemplation, no effectual intellectual progress in knowledge can be made. rity.

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"Genius," says Helvetius, " is nothing but a continued attention (use altention suivie)." "It is," says Buffon, "only protracted patience (use longue patience)." " In the exact sciences, at least," says Cuvier, " it is the patience of a sound intellect when invincible, which truly constitutes genius." Lord Chesterfield says, " that the power of applying the attention steadily and mdis-



IMPAIRMENT OF ATTENTION.

335

"It is by the attention shifting its objects, that the heart shifteth its emotions. The mechanism there is operating rightly, but it is in virtue of a touch from without. It is by looking outwardly and not inwardly, in fact, that the mind hath been set as it were to the right object, whose moving influence it is that brings the mind into its right state of emotion: and thus the cultivation of the dispositions is manifested to be a more simple and intelligible process than many are in the half of conceiving it.

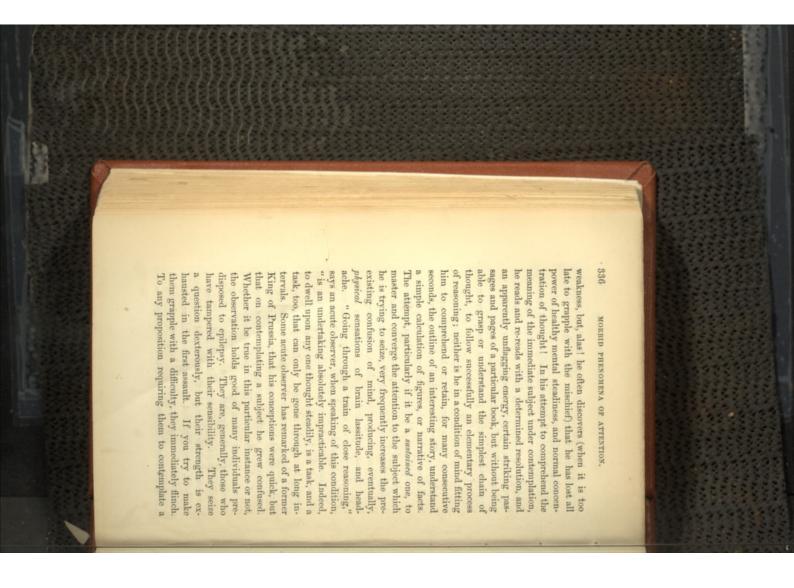
"The wayward tendencies of the heart are conquered, not so much by an operation at home, as by an operation abroad. The most effectual refuge is, in the contemplation of that ethereal and unclouded purity, by which the throne of heaven is encircled—a lifting of the thoughts to the august and unpolluted sacredness which dwelleth there—the daily and diligent consideration of that awful sanctuary which is above, where nought that is unboly can enter—and a solemn invocation to Him, before the rebuke of whose countenance, all the vanities of a distempered imagination will at once flee away."*

disease of the brain, the patient complains of an incapacity to control and direct the faculty of attention. He finds that he cannot, without an obvious and painful effort, accomplish his usual mental work, read, or master the contents of a letter, newspaper, or even a page or two of a favourite book. The ideas become restive, and the mind lapses into a flighty condition, exhibiting no capacity for continuity of thought. Fully recognising his impaired and failing energies.

Fully recognising his impaired and failing energies, he repeatedly tries to conquer the defect, and seizing hold of a book, is resolved not to succumb to his sensations of intellectual incapacity, psychical languor, and cerebral

* Dr. Chalmer's " Sketches of Moral and Mental Philosophy."

23



MORBID DISTRACTION AND REVERIE.

337

number of ideas steadfistly, they will yield a flat, unintelligible assent, or to mask their want of bottom, as the jockeys term it, they will endeavour to fly off to another topic. To conceive the condition of the head in such cases more distinctly, we may recollect how it fares with the eye when weakened in such a manner that the instant it is cast upon an inscription, the characters are perfectly plain, but that in a little time they seem to run into each other, they become undistinguishable, and at last vanish altogether. From misconduct of the understanding, all frivolous people must be troubled with some flightness of attention. We need no other reason to enable us to understand why it becomes requisite in polite circles to change the topic of converstion every second minute."

How often these symptoms are premonitory of softening of the brain, paralysis, epilepsy, and even apoplexy! This weakened power of attention often precedes, and is associated with, impairment and loss of memory.

States of brown study, distraction, and reverie are often precursory of more demonstrative symptoms of impaired attention. They are but shades, degrees, and varieties of that morbidly torpid manifestation of the faculty which so often accompanies unhealthy conditions of the intelligence, and abnormal states of the cerebral tissue.

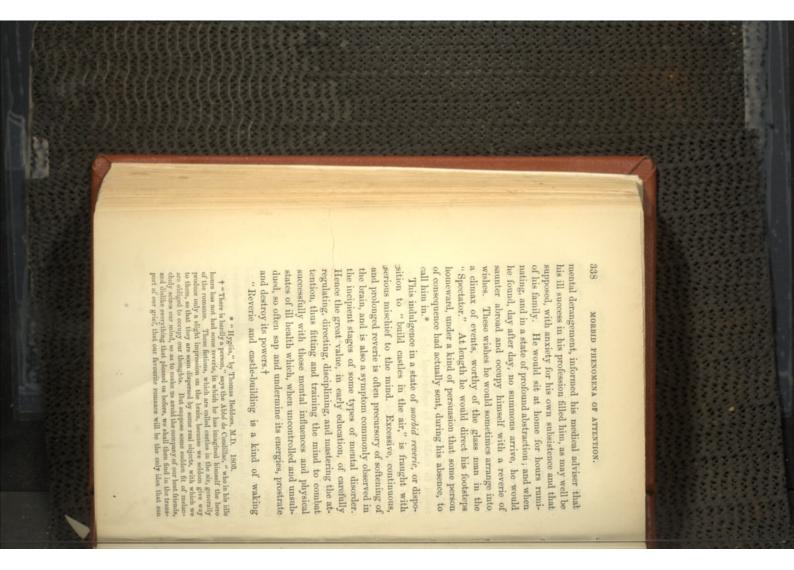
These irregularities of thought are frequently selfcreated, often owing their existence to an obstinate determination on the part of the patient to succumb to their fascinating and seductive influence.

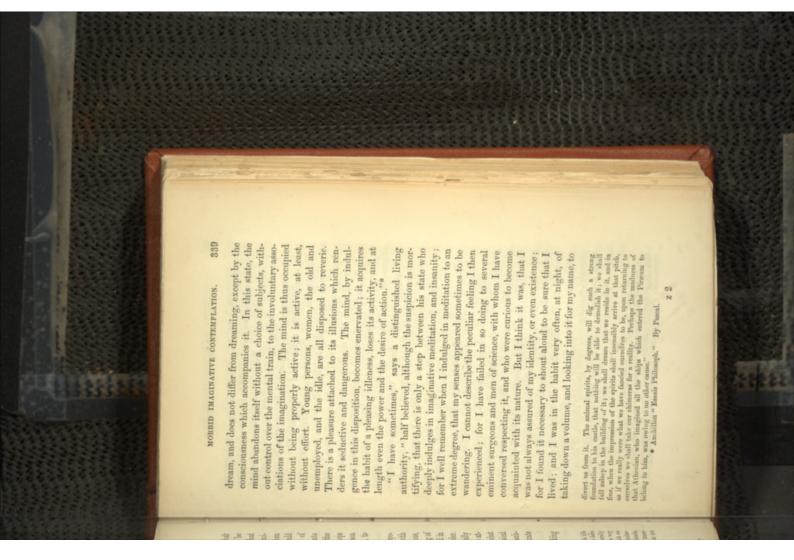
A medical gentleman, who exhibited symptoms of

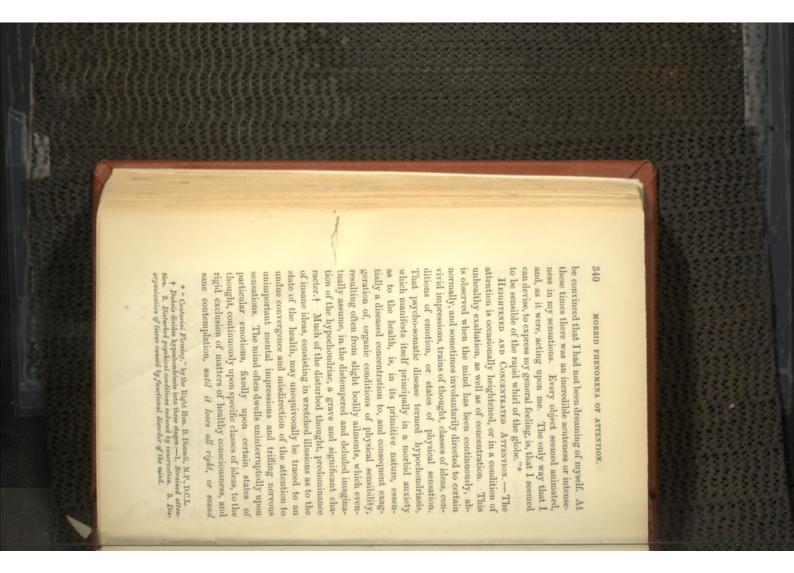
 \bullet Dr. Reddow' "Hygëta," + "Rever," ayy Lodo, "Hygëta," + "Rever," ayy Lodo, "i when klass flast in our minds without any reflection or regard of the understanding." What we termed "waking dreams" are distinct from that state of the mind periously described by Lodeo, etc. : as "thoughts wandering without connecton."

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MORBID CONCENTRATION OF ATTENTION. 341

appreciation of subjective and objective phenomena. The condition of intellect, previously referred to, often exists, to a certain extent, as a normal state, and as such only indicates the presence of health. It is, however, often

ings of uneasiness, or even pain, originate in the mind and fatal disease being established in the part to which structural disease, as the effect of the faculty of attention tions, and an increase of sensibility, by (it may be It is a well established fact that alterations of tissue have been the result of a morbid concentration of the attention to particular organic structures. Certain feela suspicion of disease existing in particular parts of the body, it may be the lungs, stomach, heart, brain, liver, Some slight irregularities and functional are at once suggestive (to the hypochondriac) of serious the attention is directed. This deviation from a normal state of certain functions, frequently lapses into actual The continuous direction of the mind to vital tissues, imagined to be in an unhealthy state, undoubtedly causes an exaltation of their special funcpresumed) concentrating to them an abnormal quantity of blood, this being followed, successively by 1, undue vascular action; 2, capillary congestion; 3, an excess in the evolution of nerve force, and 4, appreciable disturbances in the action of these organs being noticed being, for a lengthened period, morbidly concentrated a sign of cerebral and psychical disease. structural alterations. to their action. or kidneys.

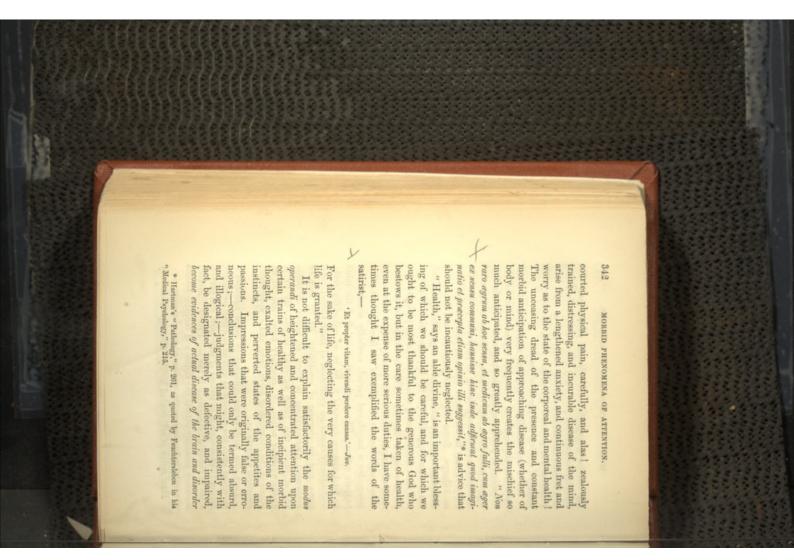
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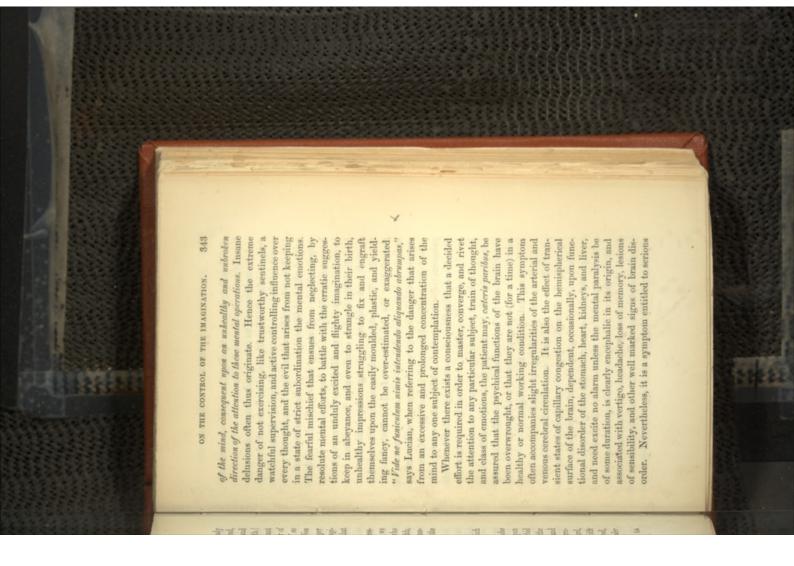
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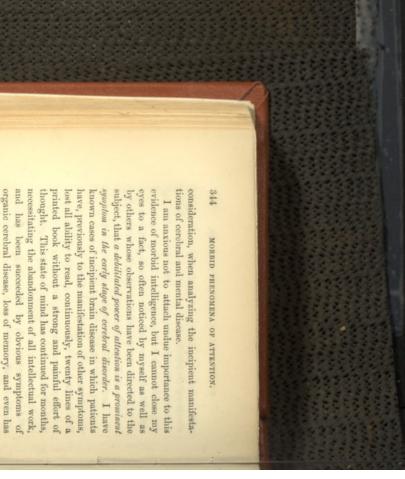
Thus, the mischievous influence of *moral* agencies is exercised upon the *physical* as well as *psychical* organism, laying the foundation of lesions of structure, and perversions of thought originating in the mind itself. Morbid anatomy painfully attests the visible and tangible results of mental influences on the various physical tissues.

How much of self-created bodily suffering, voluntarily

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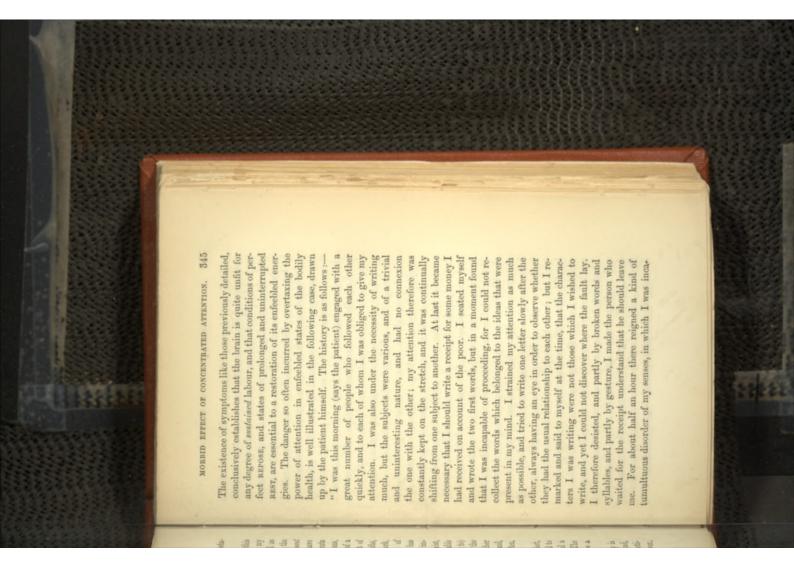


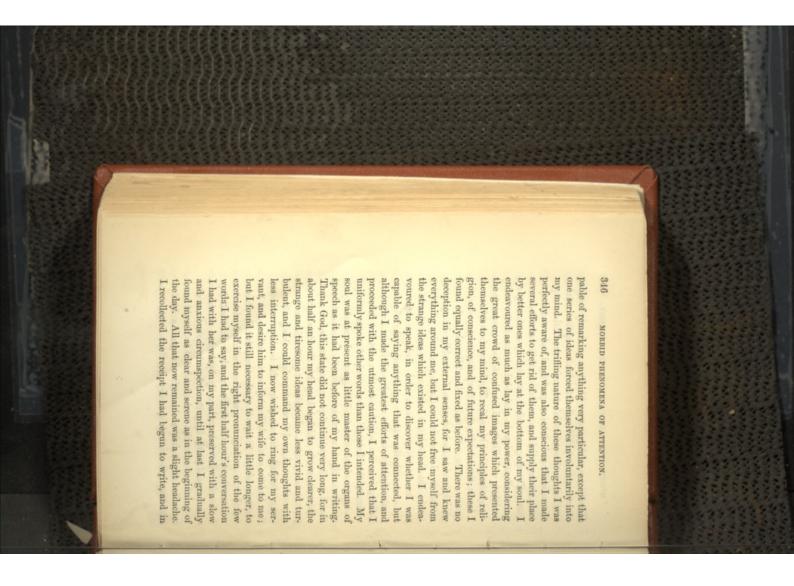


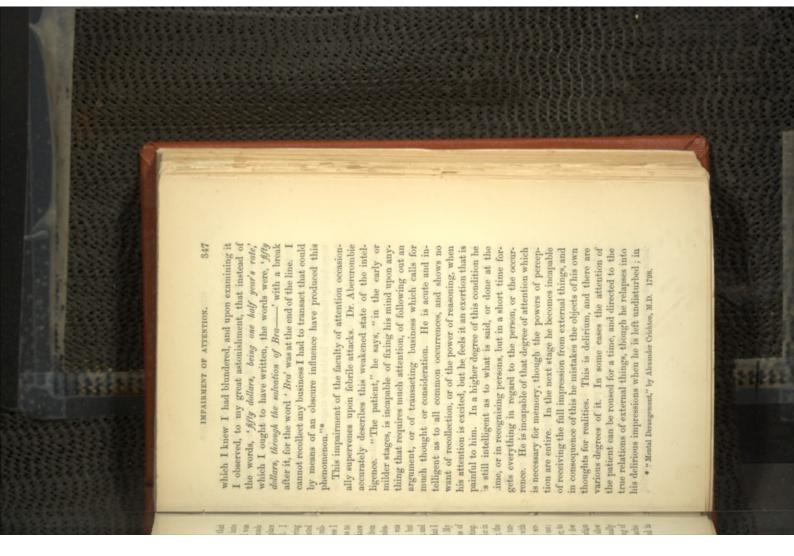


passed eventually into mental imbecility. If an impairment of attention and debility of memory exist, it is illusory for the patient to imagine that he is able (until his *physical* condition of ill-health is attended to) by repeated and persevering efforts to resuscitate the lost powers. In his attempt to do so, he still further taxes the morbidly impaired state of these faculties, and, instead of invigorating, prostrates, debilitates, and often, alas! entirely extinguishes the intelligence. A patient, when describing this condition of intellect, says, "I cannot read as I used to do, I am obliged to repeatedly go through a page of a book, and re-read a sentence, without having any idea of its purport. The

attempt to fix and concentrate the thoughts requires a continuous, painful, and vigorous effort of the will." In this state of ill-health, serious irreparable injury is done to the delicate organization of the brain and mind, by an attempt to exercise, stimulate, and *force* into activity, this morbidly flagging, and sluggish mental power.





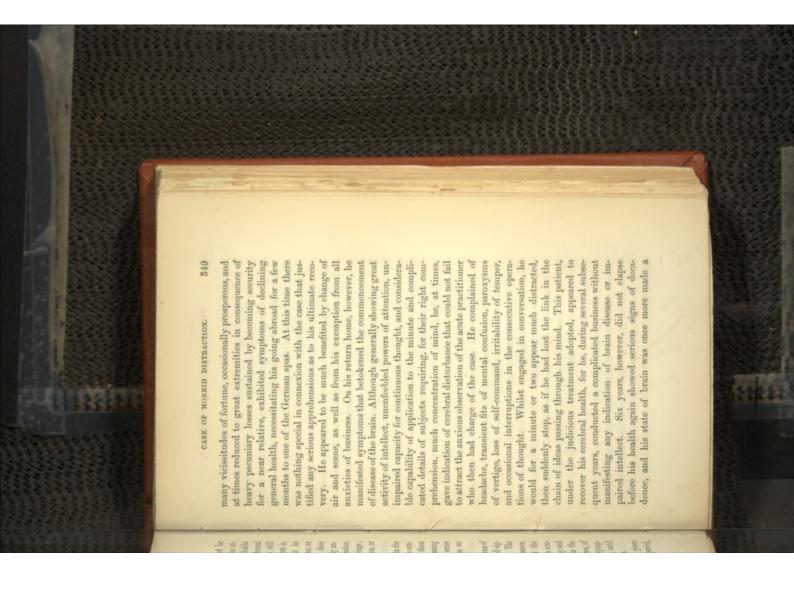


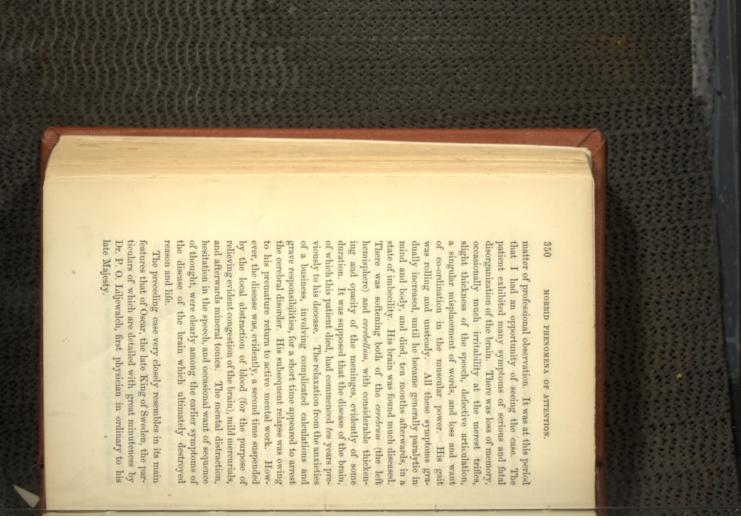
348 MORBID PHENOMENA OF ATTENTION.

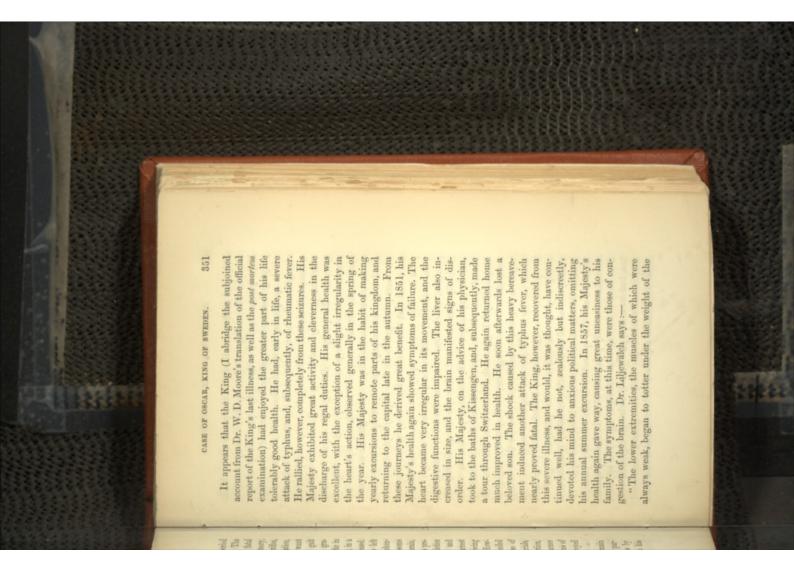
others the false impression is constant, and cannot be corrected by any effort which is made to direct the attention; and in a third modification of this remarkable condition, he mixes up his hallucinations with external impressions in a most singular manner. He is still capable, however, of describing his impressions, that is, of talking so as to be understood, though what he speaks of relates only to his erroneous conceptions, or mere bodily feelings. In the next stage he either does not attempt to express himself at all, or is entirely unintelligible. He is now cut off from communication with external things, and with other sentient beings; and the highest degree of this is what we call coma, or stupor, which resembles profound sleep.

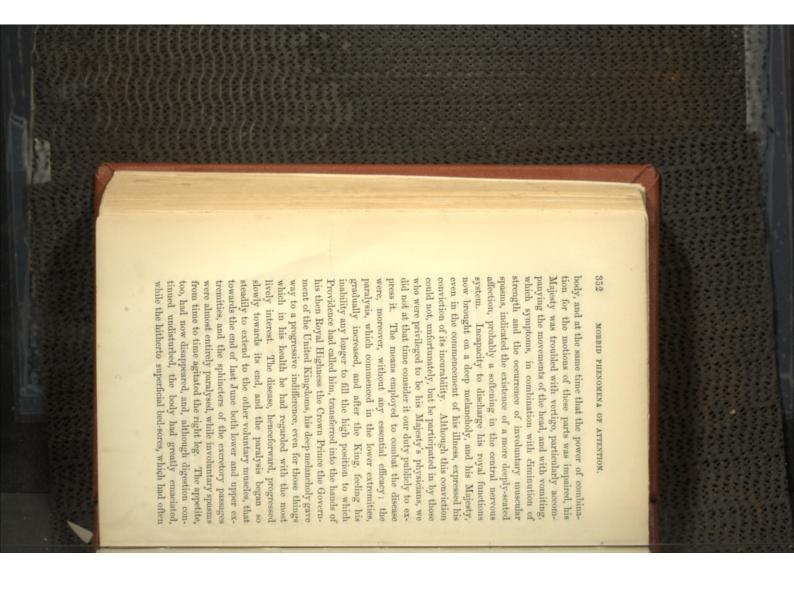
"This description refers chiefly to the gradations in the state of the mental functions which we observe in continued fever. It is particularly interesting to trace them in this disease, because we see the various grades passing into one another, and thus showing in a connected series the leading peculiarities which in other affections we have to contemplate separately."

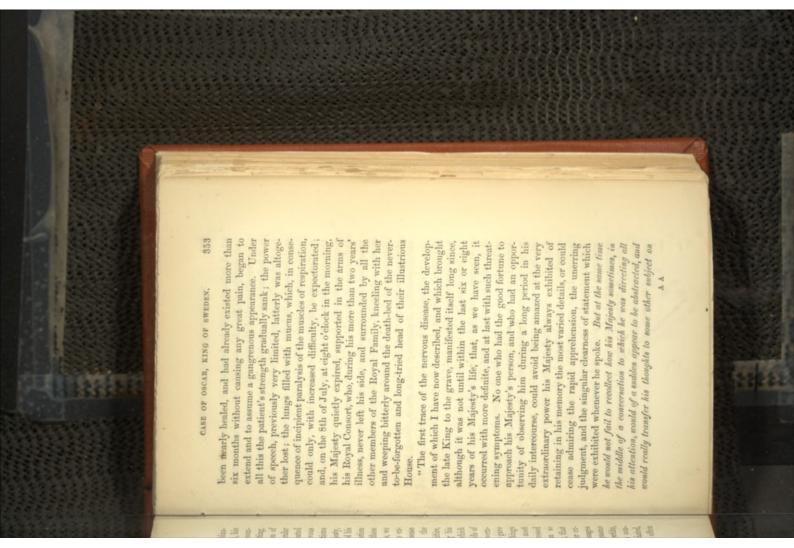
I have previously referred to the morbid phenomena of distraction (*etre distrail*). This is an important and significant incipient symptom of disease of the brain. The patient, whilst engaged in conversation, suddenly pauses, is puzzled, confused, and appears to have lost the connecting media in the chain of thought. This condition of mind is occasionally precursory of epilepsy and apoplexy. It is also known to manifest itself in the early stage of softening of the brain, and in cases of ordinary as well as of general paralysis. This symptom has often, although existing, been unobserved, until the cerebral disease has made considerable progress. A professional gentleman, who had for fifteen years led a most active life, encountering, during that period,

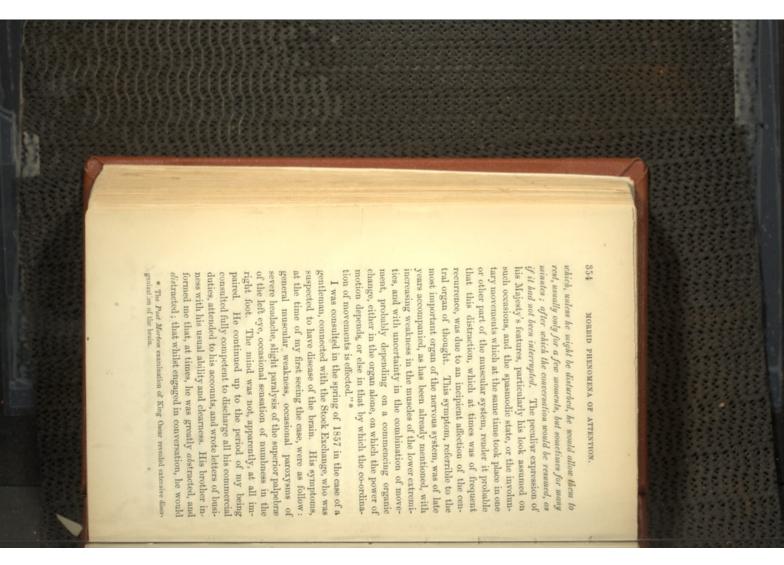












CASE OF OBSCURE BRAIN DISEASE.

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suddenly pause, put his hand to his head, and appear vexed with himself at having lost all consciousness of to the state of the brain! The family, judging from the of thought, to which he was subject for many years previously to the manifestation of other and more unequiopinion. In a few weeks, I lost sight, altogether, of this In about a year and a half from my being consulted, I what he was saying. This symptom was observed two years before any question arose, or suspicion existed, as subsequent progress of the case, were of opinion that the cerebral disorder was first exhibited by the sudden lapses vocal symptoms of brain disease. Such, also, was my case, as the patient was removed to the continent, under the idea of trying the effect of one of the Spa waters. was informed that this patient died quite paralytic. Considerable organic disease of the brain is said to have been discovered after death.

A member of the Irish bar, who became insane whilst at Paris, during the autumn of 1856, and died three of law. He was, occasionally, observed to stop whilst speaking, as if his ideas were momentarily paralysed. So ance for the mind to be in a state of continuous activity, months after his return to England, complained to his friends, and subsequently to the surgeon who attended the family, three years previously to his attack, of an inability to collect his thoughts whilst addressing the courts marked was this symptom that a professional friend, often associated with him in the conduct of legal matters, considered it his duty to direct the attention of the gentleman's wife to the fact, considering that such attacks of distraction, on occasions when it was of essential importlooked suspicious, and, according to his judgment, were not consistent with a healthy state of the brain.

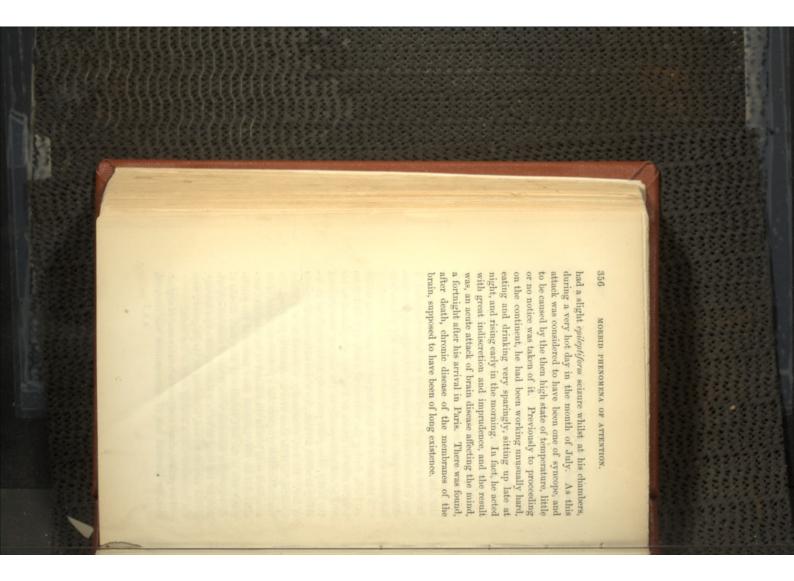
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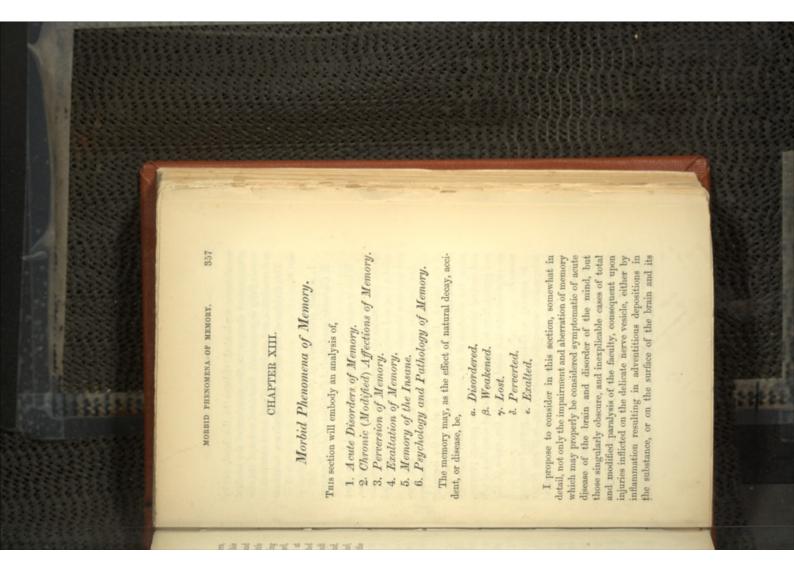
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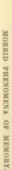
This patient, about two years after this morbid abstraction, or transient loss of consciousness was observed,

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358

nial circulation, and conditions of mal-nerve nutrition. vessels (fatty degeneration), disordered states of the craatheromatous changes in the structure of the cerebral membranes, mechanical violence to the head, or by tion of, This division of the subject will involve a considera-

2: Chronic (modified) Affections of the Memory. 1. Acute Disorders of the Memory.

mind a long and complex train of apparently obliterated revive past states of consciousness, and recal to the of volition to reproduce previous mental conceptions, and forgotten thought? What is memory? How are we enabled by an effort

and cerebral treasure-house destined to garner, preserve, where the situation of the vesicular mental repository of Cicero, the nature of this " thesaurus omnium rerum ;" of the brain? If so, what is, to adopt the language sified in hidden and mysterious cells, vesicles, or chambers senses ? an entrance into the mind through the media of the and protect from injury the myriads of ideas that obtain Are the ideas carefully housed, registered, and clas-

results of a combined or complex operation of several of independent autocratic authority, or, is it one of the the mental faculties ? Is memory a distinct sovereign power, exercising

satisfactorily answer the important preceding interrogain the subsequent pages will, I hope (to a limited extent), memory.* tories in relation to the metaphysics, or psychology of The facts to be detailed, and principles enunciated

• When speaking of this faculty we should fully recognise the philosophical distinction between what is termed, the automatic operations of the mind

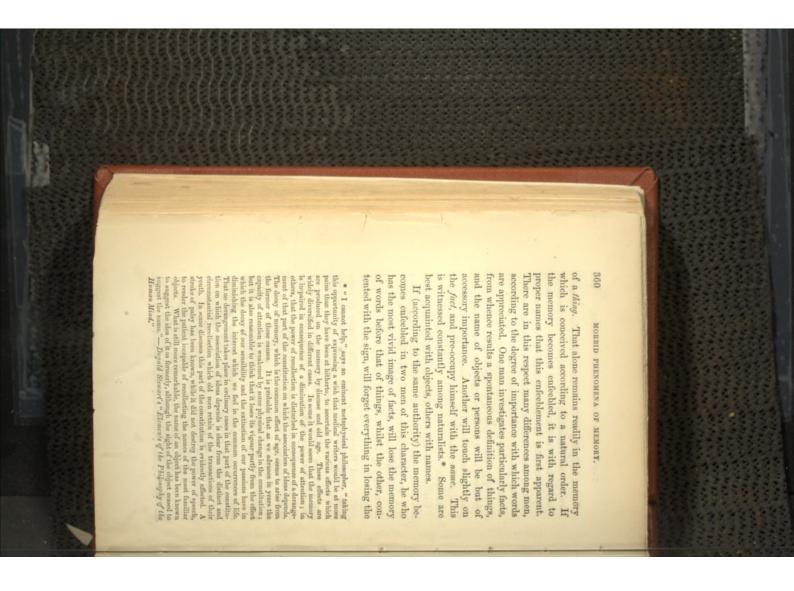
359 THE NATURAL CLASSIFICATION OF IDEAS. Before analysing in detail the morbid phenomena of memory, as illustrating the incipient symptoms of obscure diseases of the brain and mind, it will be necesclasses of ideas stand in relation to each other, not only sary to consider the natural order in which various as to the priority of their admission into the mind, but durability of their impression on the sensorium.

Metaphysicians agree in the opinion, that qualities of objects and events, are more easily retained in the mind than dates and names; in other words, that the intellect takes a more tenacious grasp of adjectives, than of substantives.

Gratiolet considers that the ideas of things are more or they are effaced the more easily the less they are thus less allied to the notions we have of ourselves, and that associated and identified. General ideas disappear from the mind only after those that are particular and contingent. An object, he affirms, has two names; one The former is more for the first time, a certain distinct idea is formed of him, from his aspect and qualities, before his name is easily retained than the latter. When a man is seen known. He is a particular man, great or little, blond or dark, before he becomes to the observer, John, Peter, or dental and arbitrary. There is not in this respect a Thomas. The relation of names to things is often accigeneral order, it is a fortuitous association of a sign and generic and the other specific.

involved in the spontaneous and involuntiny reproduction to the conscious-ness of former meand impressions, and that continue of the intellect con-meted with the rowshal of ideas by an set of realition, the former state being properly termed accnory, and the latter recollection. — Memory, "asys and the latter recollection," in the intellect con-ment of two informations, the thing remembering action of the bias of two informations, the thing remembering state, our present remondering skift car past remonibering skift, and these being united by certain trains of consolousness, units the two selfs, which form a compound, action by metaphysicians personal identity."—(Jones Mill.)

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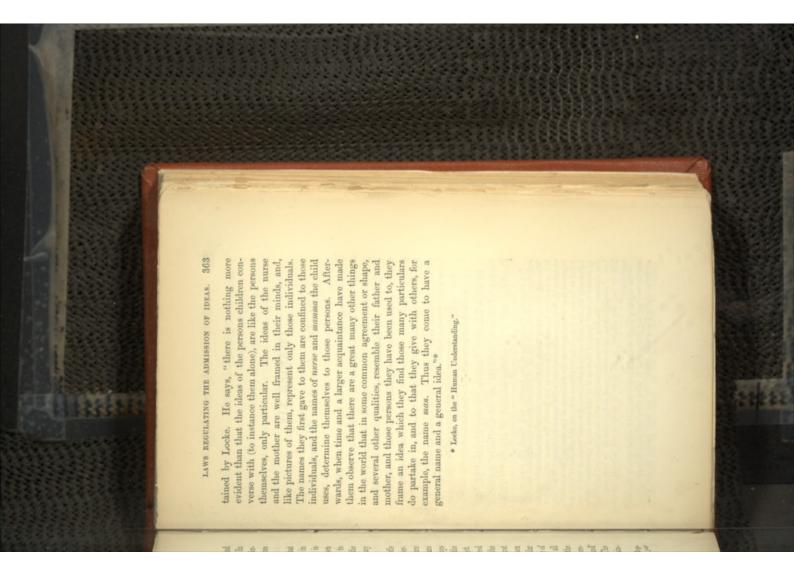


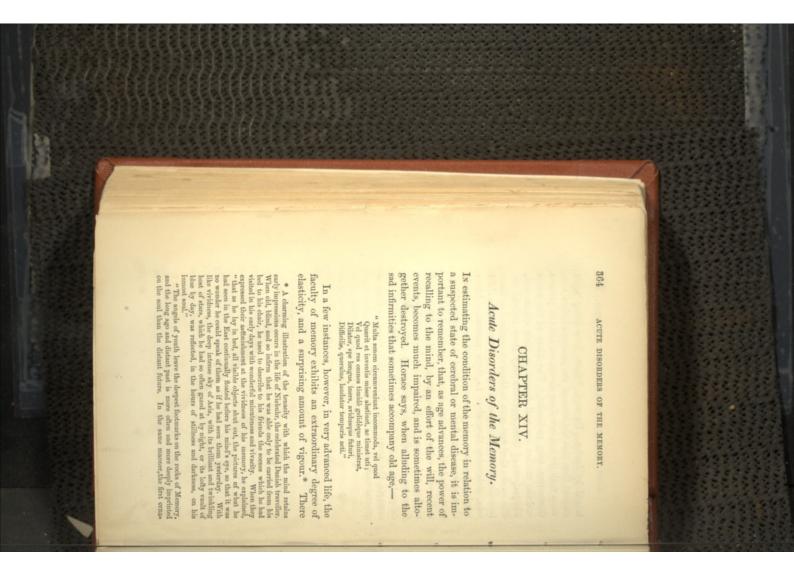
independently of its qualities. We recal things, and the names of things in the ratio of their necessity. In the order of thought, the *coincident* is more easily forgotten than the *correlative*, the consequence *remote* more readily than the consequence *immediate*.*

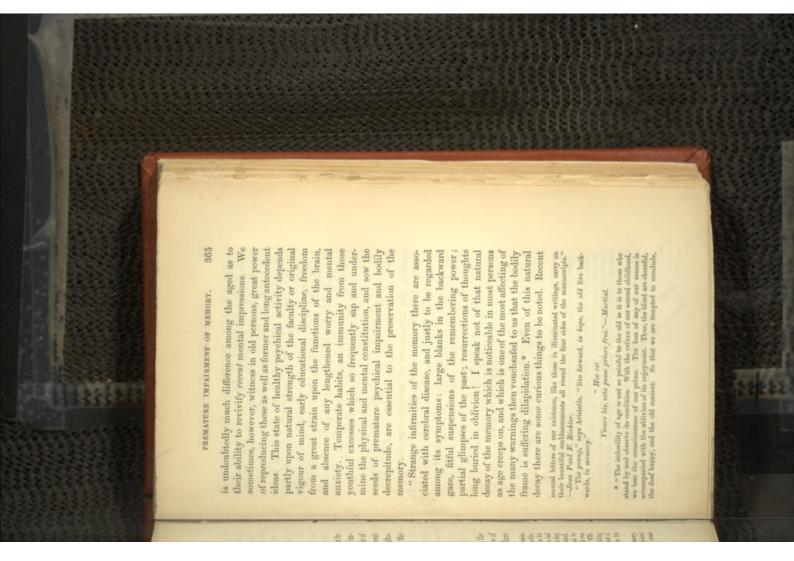
Dr. Itard observes, that the loss of memory that generally accompanies attacks of apoplexy occurring in advanced life, follows in the subjoined order: there is first a forgetfulness of *names*, then of *substantices*, then of *verbs*, and next of *adjectives*. Adjectives appear to retain their hold with the firmest tenacity upon the mind. It is a well-known fact, says Dr. Itard, that many idiots have had a memory only for adjectives.

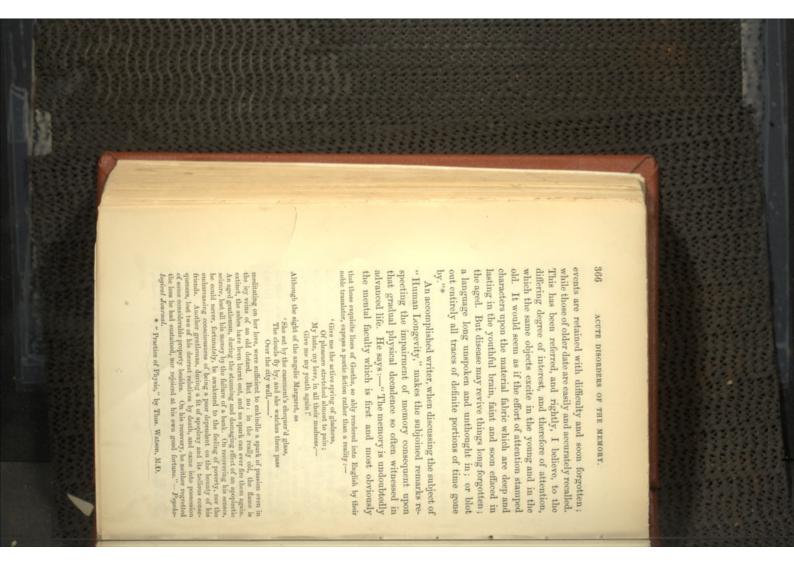
conjoin them. Things general they call by a singular of all express the several parts of different things, and then Such is the order of life and of nature. We thus proceed admitted into the mind. " The order of learning," says question, by considering the mode in which the underafter the mind collects universals from particulars, and meats beef and pork, as they happen to have heard the that individual Smith whom they have known ; and all universal. This is to be observed in children, who first reared; in other words, the relation in which ideas are standing is built up, the intellectual superstructure then again reverts to particulars from universals." one or the other first when they began to speak. Therename; for instance, they call all Smiths by the name of from the simple to the complex, from the singular to the senses to the imagination, and from this to the intellect. Vives, as translated by Sir W. Hamilton, "is from the same doctrine, without any knowledge of Vives, is main-Some light may be perhaps thrown upon this subtle The

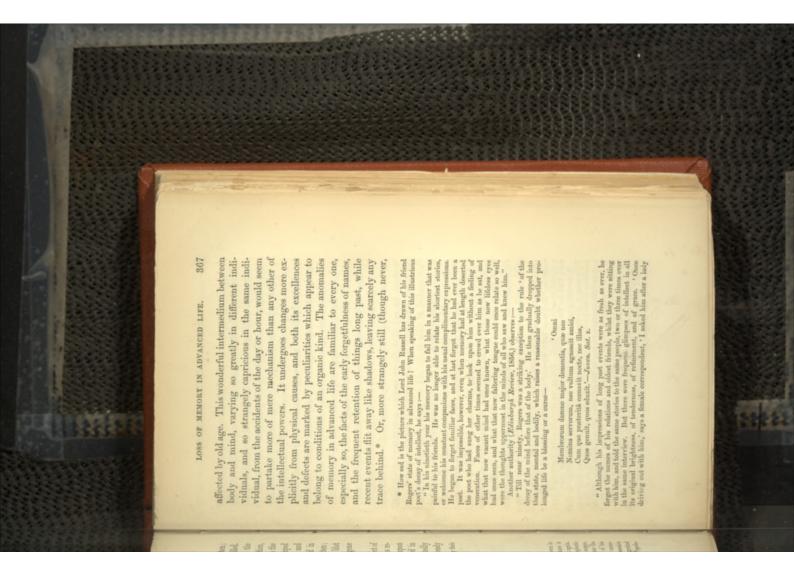
* "Anatomic comparte du Système Nevenz considiré dans ces Repports avec l'Intélligence." Par Fr. Leuret et P. Gratiolet; tone 2, par M. P. Gratiolet, Paris, 1839-1857.

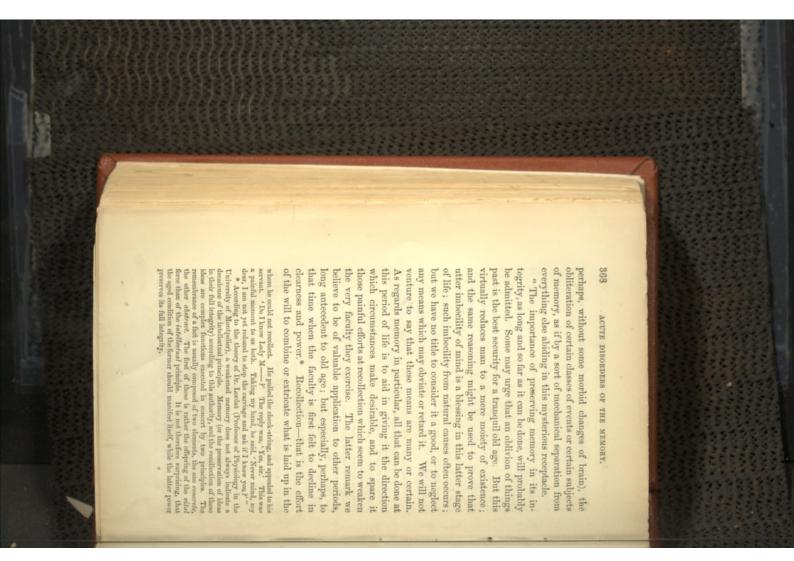


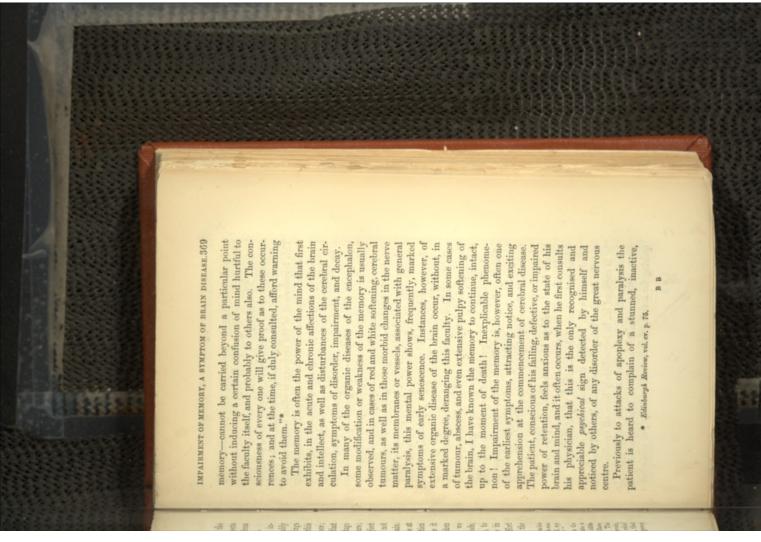


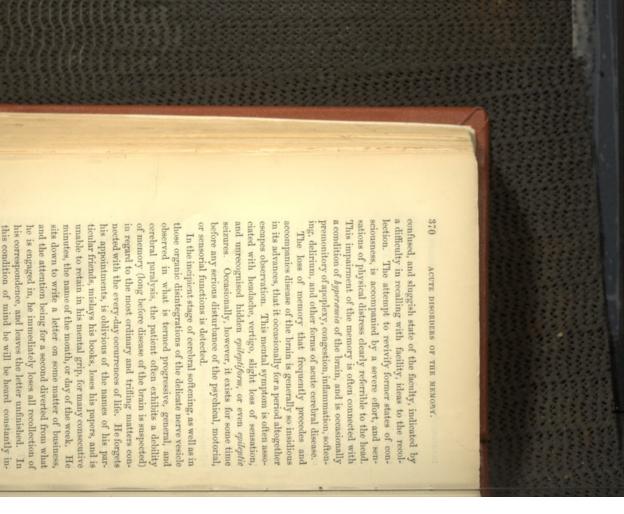












quiring for articles that he had carefully put aside but a

SUDDEN AND TRANSIENT LOSS OF MEMORY. 371

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few minutes previously. He neglects his dress and person, walking about the house in an unwashed condition, with his clothes most carelessly arranged, not from any indisposition to attend to his personal appearance, but from an unhealthy forgetfulness of, as well as morbid indifference to, the common courtesies, amenities, and decencies of life.

Sudden, transient, and paroxysmal attacks of loss of memory ought to be regarded as most important symptoms when considered in relation to a questionable state of the brain. These temporary and apparently trifling conditions of impaired retention are often the preludes to serious manifestations of cerebral disease, the dark and threatening clouds that occasionally envelope, obscure, and often celipse the mind previously to fatal attacks of puralysis, softening, apoplexy, and insanity !

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This occurred on A clergyman, a few weeks prior to an attack of cerebral hemorrhage, experienced on several occasions, four or five occasions, causing great embarrassment in whilst preaching extemporaneously, a sudden and mothe exercise of his ministerial duties. Instead of immediately recognising this to be a symptom of disorder of the brain, imperatively demanding that he should obtain medical advice, and temporarily retire from anxious and active clerical work, he indiscreetly and obstinately persisted in preaching twice on the Sabbath-day, and also occupying himself during the week in parochial duties, until he discovered that he was utterly incapable of an act of continuous thought, and unable to preserve the current of his ideas, or even to connect together two consecutive sentences! This patient died six months subsequently of softening of the brain ! Fatal result, may I not add, of an inexcusable neglect of urgent head mentary paralysis of all his ideas. symptoms?

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ACUTE DISORDERS OF THE MEMORY.

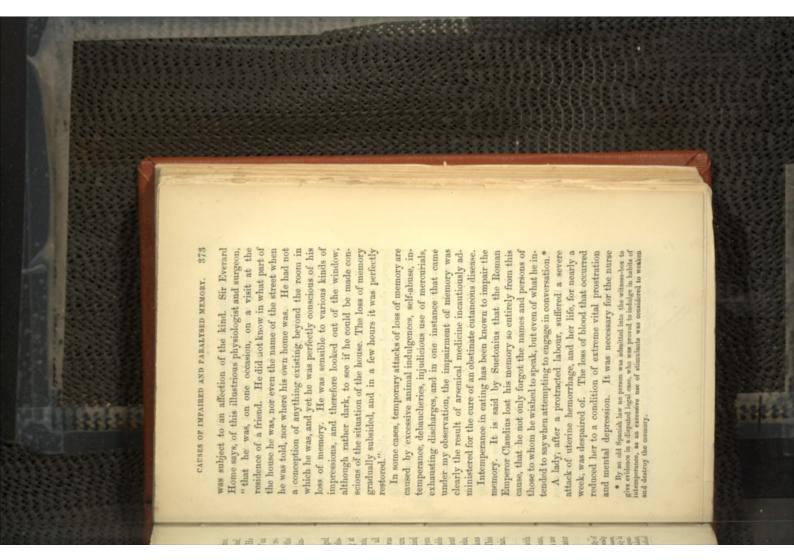
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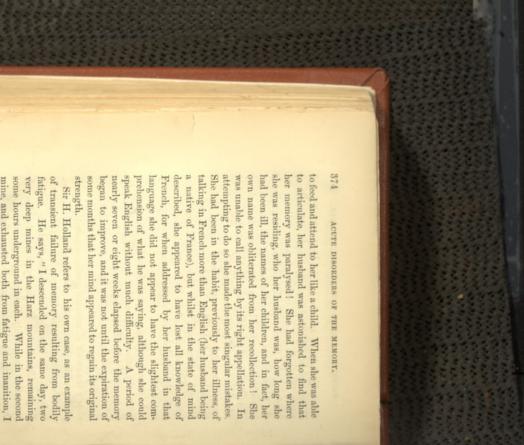
A man, about fifty years of age, forgot his own name. He was from time to time convinced that he was dead. He no longer recognised his immediate relatives. He continued fifteen days in this state, when he died of an attack of apoplexy. The *post mortem* examination revealed an extravasation of blood within one of the hemispheres of the brain. There was no other important cerebral lesion.*

A gentleman who had for many years been engaged in an arduous and painfully anxious contest for professional position and political advancement, struggling at the same time with great peeuniary embarrassments, whilst addressing one of the judges, suddenly lost all recollection of the facts embodied in his brief. He was immediately obliged to retire from the court and return to his chambers. Severe headache ensued, accompanied by distressing nausea, terminating in a violent paroxysm of vomiting. Other symptoms denoting considerable head disorder then appeared. Under prompt treatment he recovered, and was able to resume, in a few weeks, his professional duties. On *lhree* subsequent occasions he experienced the same sudden loss of memory. This gentleman eventually died of softening of the brain, causing inbecility of mind.†

Cases, however, occur of loss of memory connected with slight sympathetic disturbances of the cerebral functions, dependent upon disorder of the general health, which are amenable to judicious remedial treatment. John Hunter

Andral's "Chilques" + "Amneric always indicates preceding disorders of the brain, especially of the anterior holes, or vay depressed powers. In acute disorders, it generally betokens a fault termination, if not an instantaneous crisis ; in chronic diseases, for the most part, it indicates incarability; or, when it occurs available replaysies and hysterical patients, an immediately approaching violent purceysm. Partial annesis (forgetfulness of some things) indicates a probably violent, but not always permanent, effect on the brain."—Feuchtersleien's "Motical Paylology," p. 194.





fatigue. He says, "I descended on the same day, two very deep mines in the Harz mountains, remaining some hours underground in each. While in the second field the atter impossibility of talking longer with the German Inspector who accompanied me. Every German word and phrase deserted my recollection, and it was not until I had taken food and wine, and been some time at rest, that I regained them."^a

A gentleman whose mental and physical powers had been severely exercised, suddenly lost all recollection of recent events. His memory appeared to be para-* "Manal Pathology," by Sir II. Holland, Bart, M.D., D.C.Lo, p. 167.

lysed. Whilst engaged in active conversation he was of the ideas suggested by others to his mind, but if of what he had previously been saying ! This gentleman had been living for some weeks below par, with the view I have known other instances of temporary loss of The able, by a strong effort of the will, to retain possession there were the slightest interruption, even to the extent of a minute, in the conversation, he lost all recollection of enabling him to perform an amount of urgent mental work, requiring for its execution the lengthened concenin the habit of drinking a fair portion of wine, but had unwisely abandoned the use of stimulants, fancying that by so doing he would be better fitted for clear-headed mental occupation. Under my advice he lived generously, quantity of wine. This treatment eventually restored his memory cured within a short period by a free exhibition of tonics and stimulants. . In these cases the brain is (owing to poverty of blood), and suffers from a state of innervation and inanition. A gentleman, well known for his intense passion for field-sports (living, it may be draught! The effect of this heroic stimulating dose upon EFFECT OF STIMULANTS IN RESTORING THE MEMORY. 375 tration of a clear and vigorous intellect. He had been took iron tonics, quinine, and zine, and resumed his daily generally in a starved and impoverished condition said, upon the saddle during the greater part of the year), frequently complained of transient attacks of loss of memory after a hard day's run with the hounds. His remedy for this affection was half-a-pint to a pint of port In more chronic cases of loss of memory, a persevering use of iron combined with small doses of strychnine, the sulphate of copper, cod-liver oil, quinine, minute wine, which he was in the habit of occasionally drinking at a memory immediately recovered its vigorous activity. the depressed energy of the brain was magical. memory to a state of health.

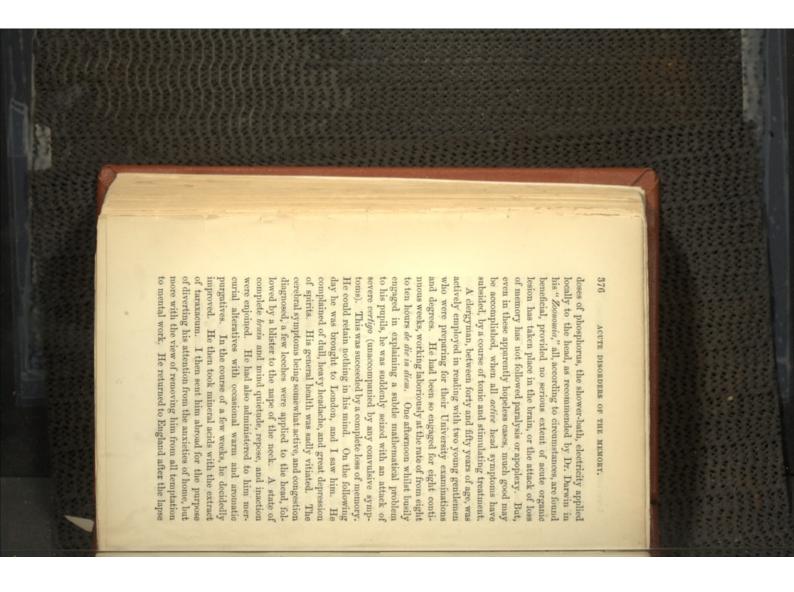
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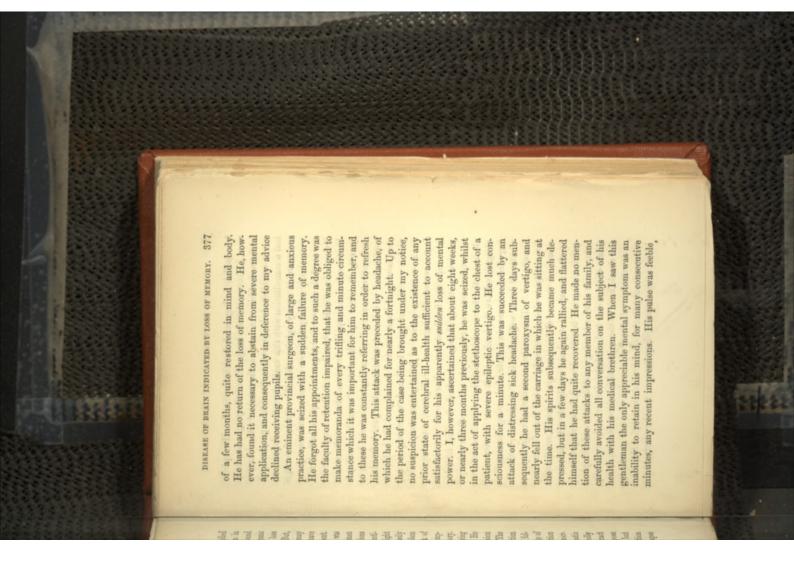
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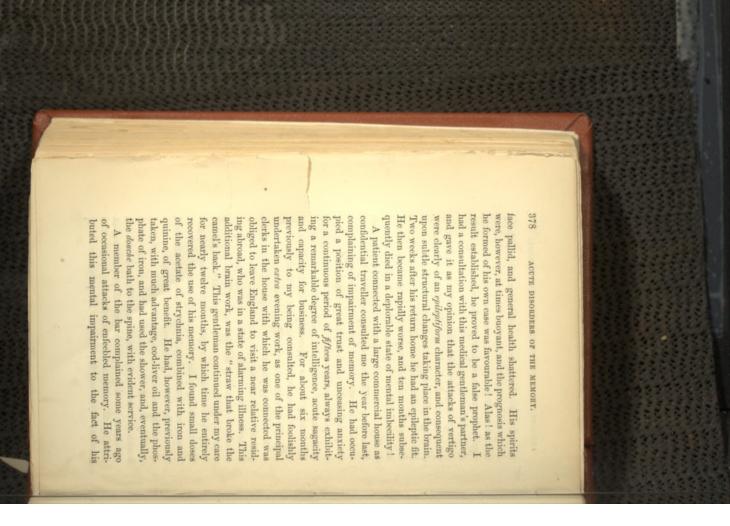
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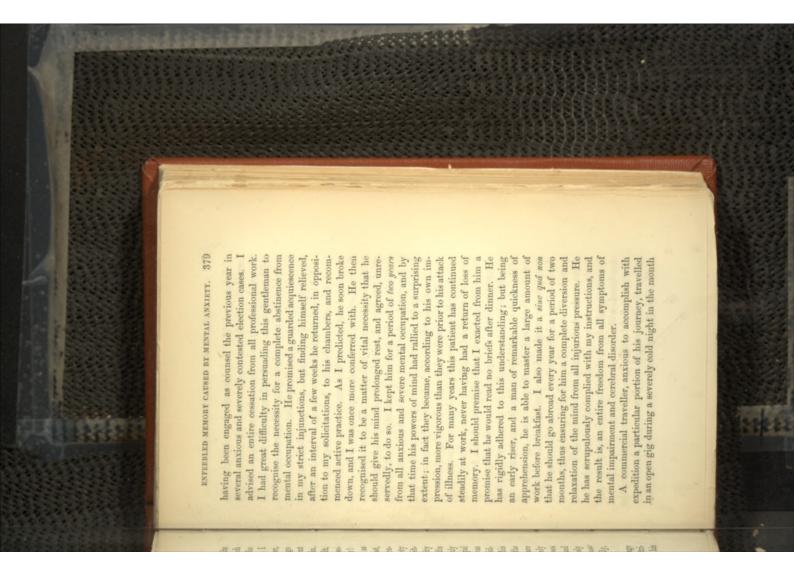
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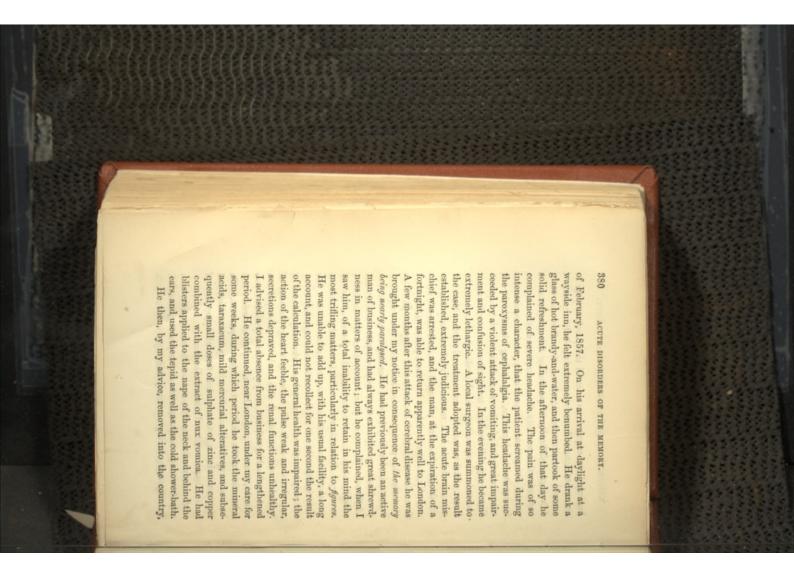
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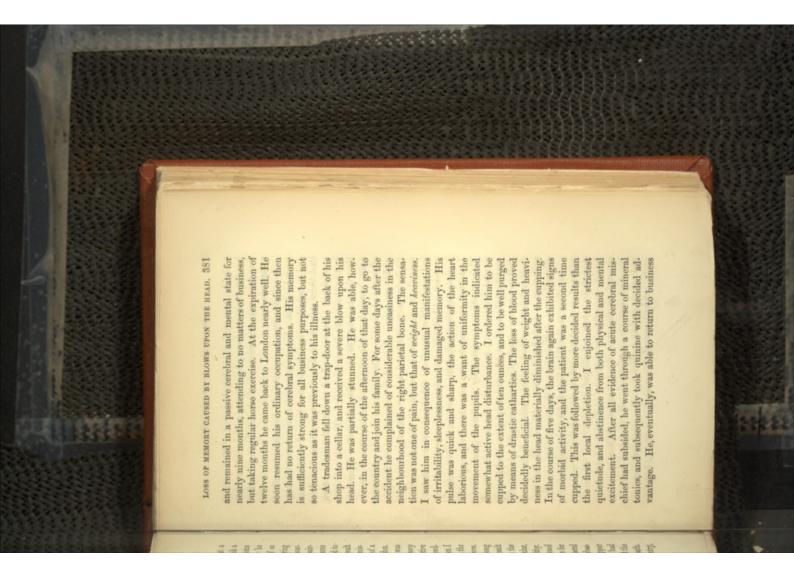


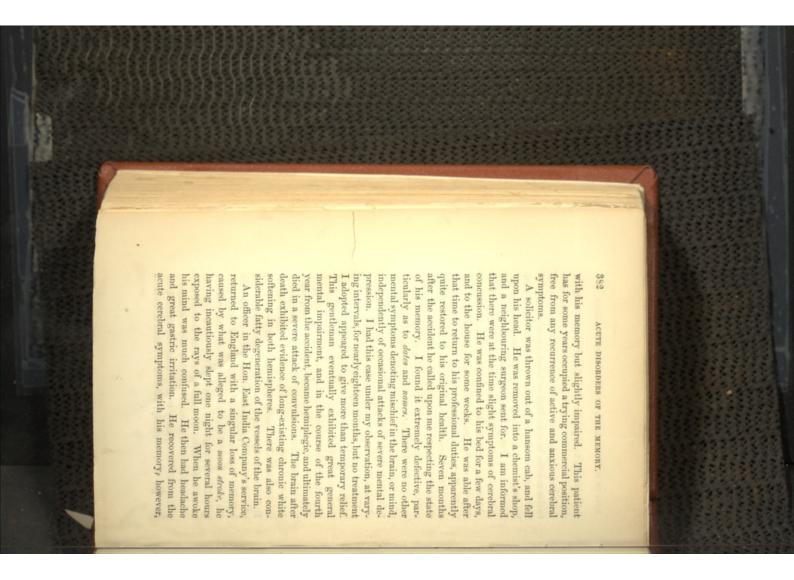


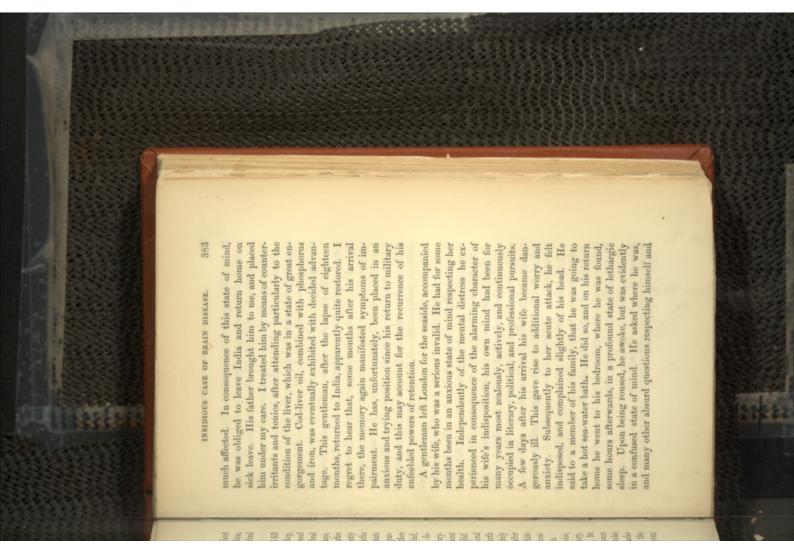


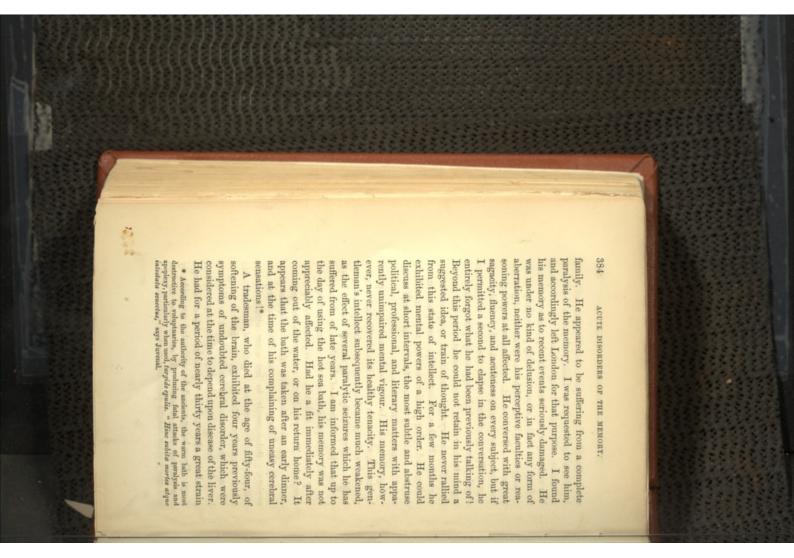


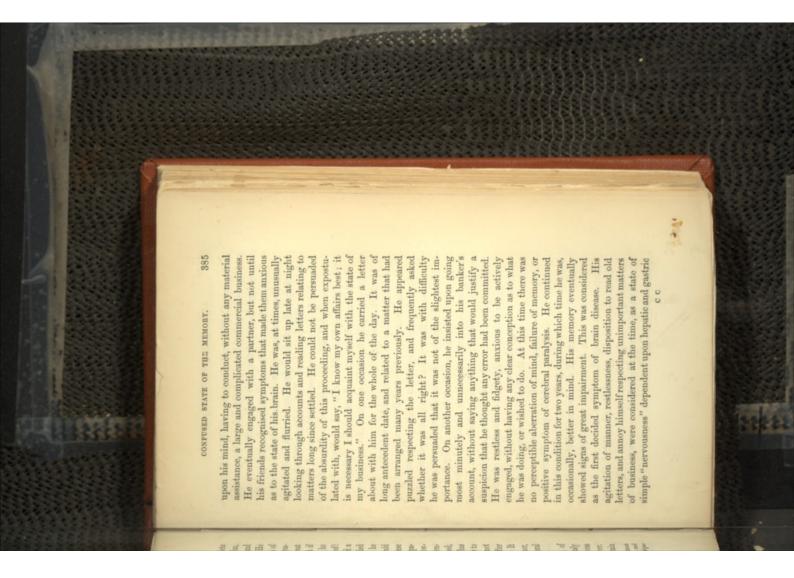












ACUTE DISORDERS OF THE MEMORY.

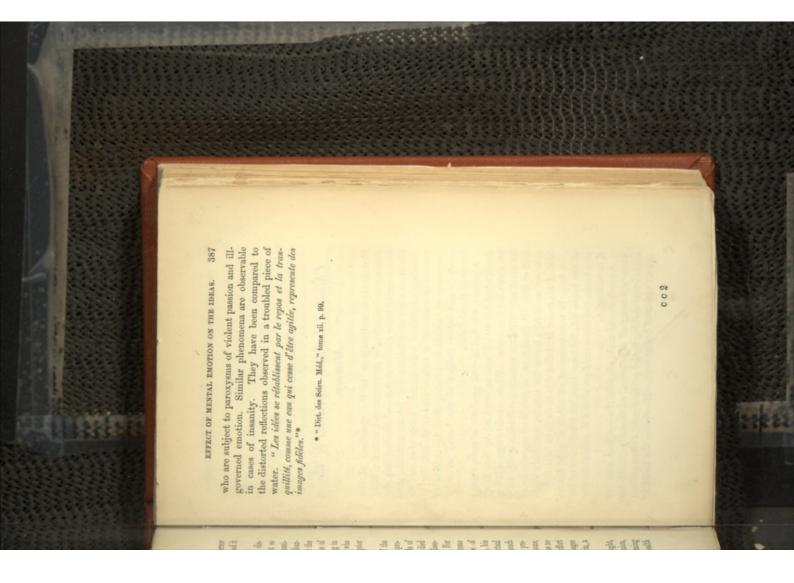
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derangement. The result, however, established the error of diagnosis that had been committed, for at this period it was evident disease of the brain had commenced.

In many forms of brain disease and psychical disorder, the memory, in the incipient stage, is not so much impaired as it is confused and erratic in its manifestations. The patient recollects with sufficient clearness, what he desires or wishes to recal to mind, but the images so reproduced are disjointed and in a state of matter. He complains of his brain and intellect being in a muddled and addled state. I attended a patient who suffered, principally from this symptom, four weeks prior to his death from apoplexy.

at the age of fifty-nine, of non-inflammatory ramollisse-ment of the brain, complicated with epilepsy. For manifestly impaired. He complained of a loss of many years previously to his death, his mind had become the disease. A literary gentleman of some position, died of comparing his mind to a kaleidoscope ! There was no confused. He was in the habit, for some period prememory, for a time, exhibited no obvious sign of actual mental vigour and tone, but with these symptoms, his minent and common symptom in the early periods of " confused and entangled condition." so reproduced were, to use his own expression, in a of the will, past states of consciousness, but the images want of vivid ideas or capacity to revive, by an effort viously to the development of serious head symptoms, weakness. brain, this confused condition of the memory is a pro-In inflammatory as well as in white softening of the It was, however, occasionally very much

In certain states of perturbed and agitated thought, the ideas appear to lose their coherence and connexion, the mental faculties (particularly the memory) becoming quite confused. This often occurs to persons in health



388 THE MEMORY IN PARALYSIS AND CEREBRAL SOFTENING.

CHAPTER XV.

Chronic (Modified) Affections of the Memory.

REMARKABLE modifications in the operations of the memory are occasionally seen connected with the early symptoms of brain disease, such as recollecting only the Christian name of relations and intimate friends, confounding one name with another, being able only to pronounce words of a certain sound; an inability to remember or articulate (arising from the effects of paralysis and other diseases of the brain) particular letters of the alphabet.

A patient, who had several paralytic seizures, always knew when his attack was approaching by forgetting his own Christian name. When asked to sign a letter, he could only write his surname, and occasionally only half of that. A gentleman, subject to severe attacks of epilepsy, some days before his attacks, invariably signs half of his name, not being able to do so in full!

A lady, in consequence of an attack of acute disease of the brain, lost, for some time, all recollection of her own name, and never could pronounce it unless she saw it in writing.

A gentleman of rank, when in the incipient stage of white softening of the brain, occasionally forgot his name when walking in the public streets, and sometimes lost all notion of his address. He was in the habit of LOSS OF LANGUAGE CAUSED BY A BLOW ON THE HEAD. 389

stopping strangers, and saying, "I live so-and-so, what is A gentleman injured his head by a fall from his my name ?" or, " I am Sir So-and-so, where do I reside ?" horse. He was confined to his bed for several weeks in a state of imperfect consciousness. On his recovery, it was found that all recollection, not only of the accident, but of the circumstances which for some time preceded it, had been obliterated entirely from his mind! A considerable period elapsed before the lost ideas began gradually to recur to the memory. The circumstances As he repeatedly rode over that part of the country objects gradually recalled the evanescent trains of ideas with which they had been connected, to his recollection. Mr. Abernethy has recorded the case of an injury of of his journey returned by degrees to his recollection. where the accident occurred, the sight of surrounding He afterwards remembered nearly the whole transaction.

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He atterwards remembered nearly the whole transactiom. Mr. Abernethy has recorded the case of an injury of the head, which happened to a foreigner, twenty-seven years of age, who spoke English perfectly well; during his illness this man could only answer in French, and said he was but sixteen years old.

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A man was brought into St. Thomas's Hospital who had received a considerable injury of the head, but from which he ultimately recovered. When he became convalescent, he spoke a language which no one about him could comprehend. However, a Welsh milk-woman came one day into the ward, and immediately understood what he suid. It appeared that the putient was a Welshman, and had been absent from his native country about thirty years. In the course of that period he had entirely forgotten his native tongue, and acquired the English language. But when he recovered from his accident he forgot the language he had been so recently in the habit of speaking, and regained the knowledge of that which he had originally acquired and lost. forgotten it many years before the attack of fever, which They were then informed, that during her infancy she her, which had excited no small surprise and curiosity in an idiom intelligible to them, they related the fact to recovered from her illness, and again spoke to her friends spoke correctly in the Welsh language. When the lady pened to be in the house a Welsh domestic, who declared of mere sounds without meaning. However, there hapquite unintelligible to everybody, and seemed to consist pletely delirious. At this time she was frequently heard attack of fever, in the course of which she became comcountry and resided in England. She had a severe nurse who was a native of that country, but had totally had been taught the dialect of Lower Britanny, by a that she understood the countess, and affirmed that she to talk and cry out in a jargon, which at first was A French countess, during the Revolution, left her 390 CHRONIC (MODIFIED) AFFECTIONS OF THE MEMORY.

A lady, fifty-one years of age, of sanguine complexion and plethoric habit, after a fit of apoplexy, which induced a state of unconsciousness, which continued for three or four days, was found to have her faculties in some respects impaired. The remarkable circumstance was, that she had lost the power or aptitude to speak in her native language, which was English. This continued a month, and her nurses and servants were obliged to employ a person to interpret for them. The lady herself spoke to them in French.

been so long obliterated.*

in so curious a manner revived the impressions that had

An old gentleman was seized with hemiplegia of his right side, associated with profound sleep. The same side was convulsed on the second day. On the ninth day he recovered from the state of stupor, but his facul-

* The language of Lower Britanny is well known to be a dialect of Welsh.

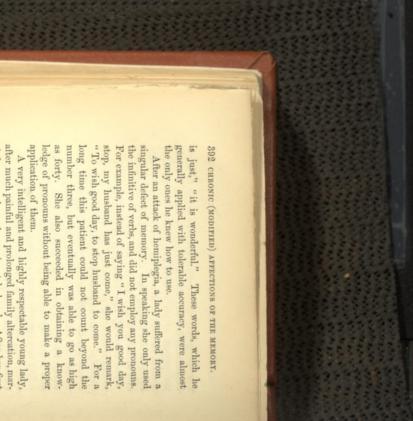
RFFECT OF INJURIES OF THE HEAD ON THE MEMORY. 391

ties were gone. After several weeks he began to know his intimate friends; then to remember words, to repeat the prayers of his church, and read a few words of *German*, (instead of *Hrench*, his native language) every day. While making slow advances in knowledge, he died suddenly of an acute cerebral attack.*

word, although he knew the first syllable of it. An old man forgot the names of persons, but appeared to recollect very correctly, every evening, a remarkable epoch of his life, although it had occurred a long time previously. When sitting with his wife he imagined he was at the house of a lady with whom, many years precannot stop any longer with you, for when one has a wife and children, we owe them a good example-I must The following facts form good illustrations of that modified condition of memory, of which I am now speaking. After an attack of brain disease, a man had at his command only the first syllable of names, that is to say, he could not finish the pronunciation of one He would then, addressing the wife, say, "madam, I viously, he was in the habit of spending his evenings. return home." After this compliment he endeavoured to depart.

There is upon record the particulars of a remarkable case of a patient who had, in consequence of an injury to the brain, forgotten how to *read*, but who was still able to *write* fluently and correctly. After two attacks of apoplexy, a man forgot his own name as well as that of his wife, children, and all his friends. He became restless, suspicious, and very irritable. Eventually, his memory was partially restored. He was enabled, however, to repeat only the following expressions—" yes," "no," "much," " very well," "not at all," "it is true," "it

A few of these illustrations are transcribed from Dr. Prichard's treatise
 On the Discass of the Nerrous System."



of her wedding-day, than entertain the notion that her attached some degree of faith to their assurances, because was in reality married, and had given birth to a son. She by their authority succeeded in persuading her that she with regard to the child. Her parents and her friends of, or relationship to, him. She acted in the same way her husband made advances, she repudiated all knowledge appeared to have been obliterated from the mind. When life; but, from the day of her marriage, every idea with remarkable vividness, every previous event of her elapsed since the day of her marriage. She remembered lost altogether the recollection of the time that had After her apparent recovery, it was found that she had which was followed by protracted and distressing debility confinement, she suffered from an acute bodily affection, ried a man whom she passionately loved. After her first friends and relations were lying impostors. She, however, she would rather believe that she had lost the recollection beheld her husband and her child without being able to

EFFECTS OF PARALYSIS ON THE MEMORY. 393

imagine by what magic she has acquired possession of the one, and given birth to the other !*

" In August, 1785," says Dr. Hertz, "I was called to who, as I was informed, was seized with a palsy in consequence of cold and violent anger. His tongue, hands, and feet were paralysed by the attack. He was under the care of one of our first physicians, at whose desire I an officer of the artillery, a man about forty years old, was consulted concerning the propriety of applying electricity. From the time that this remedy was first employed until the following year, I never saw him ; but he had deserted him. I found him so much recovered as to have the complete use of his feet; his hands, also, were then sent for me again, as his own physician, he said, stronger, but in regard to his speech the following very able to articulate distinctly any words which either remarkable circumstance was to be observed: he was occurred to him spontaneously, or when they were slowly himself to speak, but an unintelligible kind of murmur and loudly repeated to him. He strenuously exerted was all that could be heard. The effort he made was violent, and terminated in a deep sigh. On the other hand, he could read aloud with facility. If a book, or any written paper, was held before his eyes, he read so quick and distinctly, that it was impossible to observe that there was the slightest fault in his organs of speech. But if the book or paper were withdrawn, he was then totally incapable of pronouncing one of the words which he had read the instant before. I tried this experiment with him repeatedly, not only in the presence of his wife, but of many other people. The effect was uniformly the same."+

Dr. Osborn, who has published an interesting paper

* Vide Art. "Mémoire," Diet. des Sciences Méd. tom xxxii., p. 6. † "Psychological Magazine," vol. viii.

on the loss of the faculty of speech and memory, in connexion with disease of the brain, considers that there are two kinds of loss of memory of language: the first he believes to be usually connected with softening of some portion of the brain, and is most frequently witnessed in portion of dates, names of places, as well as of persons, collection of dates, names of places, as well as of persons, but as far as the muscular powers of articulation have not been impeded by paralysis, the faculty of language remains uninpaired, and the individual speaks with his usual facility, until all the faculties become involved in the disease, and total fatuity results.

The other imperfection, he believes, involves language The other imperfection, he believes, involves language slighter forms when proper names, or other words of less frequent occurrence, are alone affected. It does not nonneed, but in a loss of recollection of the mode of using the vocal apparatus so as to pronounce it. This appearing to arise from disease of the brain, yet it is not necessarily the precursor of any serious cerebral affection.

Defective or perverted memory is one of the common results of concussion of the brain, and even follows some of the slighter forms of mechanical injury to the head. Numerous cases illustrative of this fact are upon record.

A soldier, who was trepanned, lost in the operation some portion of the brain. It was afterwards discovered that he had forgotten the numbers *fee* and *seven*, and was not able until some time to recollect them. A man was not able until some time to recollect them. A man of scholastic attainments lost, after an attack of acute fever, all knowledge of the letter F. A gentleman who was thrown from his horse, and who suffered from a

REMARKABLE CASE OF DISORDERED MEMORY. 395

severe concussion of his brain, for some months after the accident entirely lost all memory of his own children's names.

Sir B. Brodie mentions the case of a groom who was cleaning a horse, and was kicked so as to produce concussion of the brain. He quickly recovered from the shock, and having quite forgotten what he had been about, he informed those near him, that he must "go and get the horse out of the stable to clean him."

Wepfer relates the case of a gentleman who, after having received a partial injury to the head by a fall from his horse, found that he had entirely lost the knowledge of a particular language with which he had been well acquainted, although his memory in other respects remained uninjured.

A young man, about twenty years of age, a miner by profession, fell from a height of a dozen feet, alighting upon his heels, but receiving such a shock that he was insensible for half an hour, and unable to articulate distinctly. At the expiration of a couple of years he was taken to the Hôtel Dieu, being supposed to labour under hemiplegia.

The patient was carried into the operating theatre, and examined by Baron Dupuytren, under whose care he was placed. He was emaciated, pale, and rather embarrassed in his manner, but not presenting the least appearance of dipty or feebleness of intellect.

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" What is your profession?" asked the Baron. "*Mine*—"answered he with considerable difficulty, and it was only after repeated efforts that he was able to articulate "*mineur*."

" What age are you?"

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" Ving-t-t-d-cux-ans."

" Your name?"

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"Jacques Col-in-Col-as-Col-ard."

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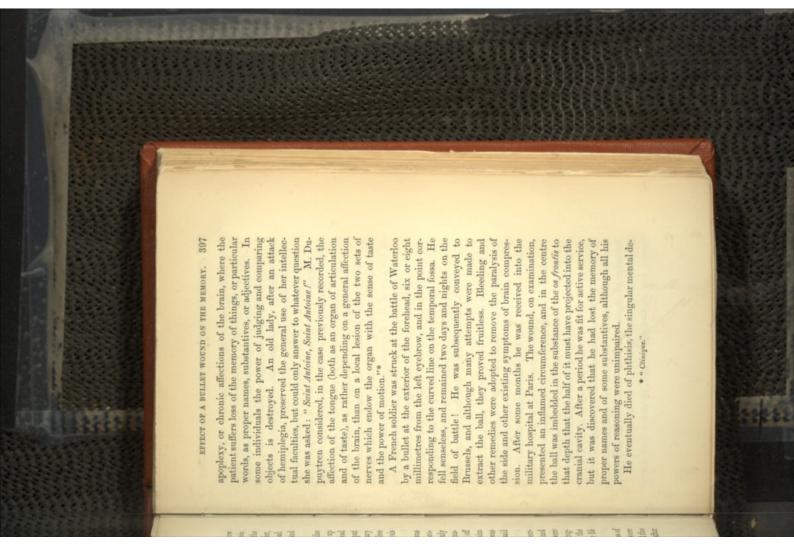
"Have you any brothers and sisters?—Oui. How many brothers?—Un. How many sisters?—Trois. What is your father?—Peintre. What profession is the husband of your eldest sister?—V Ver—, Vitrier, (a glazier)? asked M. Dupuytren.—He shook his head. Does he make bottles—Sign in the negative ; and V V Ver—was all he could pronounce.

" Do you understand what I am asking you? said the surgeon.—Oni. Strike the table—he struck it; lift up your foot; put it back upon the ground; turn your head to the right side, to the left; walk forwards; return; put on your cap, &c. He was obeyed with the most military precision. The muscular motions of the tongue were free enough, and it was evident that nothing like paralysis or hemiplegia existed.

"On being ordered to repeat so, se, si, so, su, he was unable to articulate the two latter, and merely pronounced the o and u. Instead of mon père, he could only answer $p\hat{e}$ —; for ma mère, he answered, $m\hat{e}$ —. The examination was completed, and the patient walking off without a salutation, when M. Dupuytren called him back, and told him to doff his cap. He did as he was required. Bid the gentleman *adieu*; *ad*—*d*—*eu*, said he, and walked away.

"On a subsequent day, experiments were made to ascertain whether the tongue, as the organ of *lasle*, continued perfect in its functions. Salt, sugar, and pepper were the substances employed; the first of which he recognised, the second he confounded with the first, and the pepper he called rum. On giving him some water he knew and drank it without the slightest difficulty.

"The patient evinced no signs whatever of feebleness of intellect, and the muscular motions of the tongue were free and unembarrassed. M. Dupuytren considered the affection as resembling what occasionally occurs after



fect referred to continuing up to the time of his death. M. Larrey, who related the case at the Academy of Medicine, exhibited the skull with the ball firmly fixed in the previously mentioned place, the internal table of bone having been fractured and forced inwards at the moment of the accident.

A gentleman, after an attack of paralysis, when attempting to pronounce words, always transposed the letters. For example, in endeavouring to say the word fut he said tuffe nuc for cure num instead of mure

flute he said tuffe, puc for cup, gum instead of mug. A case is upon record of a young woman who at each periodical change in her health, forgot entirely all that occurred to her during the interval. On one occasion, at the time of the internission, she inflicted a serious injury upon a person with whom she had a dispute. The case came into court a few days afterwards, when she denied the fact upon oath. The plaintiff being condemned to costs, brought witnesses to corroborate her charge, and establish that the defendant had denied upon oath what was the fact, but without any bad object in view.

Thucydides records, that after the plague of typhus fever which followed (in the Dorian war.) the famine at Athens, many who recovered from the effects of this epidemic, entirely lost their memories. So completely was such the case, that they not only forgot the names of their friends and relations, but their own.*

A somewhat similar impairment of memory has been observed to follow all great epidemics and severe national disasters. Dr. Gase, in his "*History of the Epidemic of Wilna*," refers to this phenomenon. Sydenham remarks, that after the epidemic fever that prevailed in 1673, the memory of those who had been ill was singularly affected.

* "Thueydides," lib. ii., cap. 49.

PARALYSIS OF THE MEMORY CAUSED BY INTENSE COLD. 399

Prolonged exposure to a low, as well as to a high degree of temperature, has been known temporarily and permanently to paralyse the memory.

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A gentleman who had made a successful ascent of one of the high Alps, records, that for some weeks subsequently he found his memory considerably impaired, particularly as to *dates* and *fgures*. He made the most singular mistakes in this respect, rurely being able to name accurately the day of the week or month. He also found himself unable, with his usual facility, to calculate his daily and weekly expenditure, and made the most odd mistakes in addition, as well as in figures, writing 7 for 5 and 3 for 1. This aberration of memory was, happily, not of long duration.

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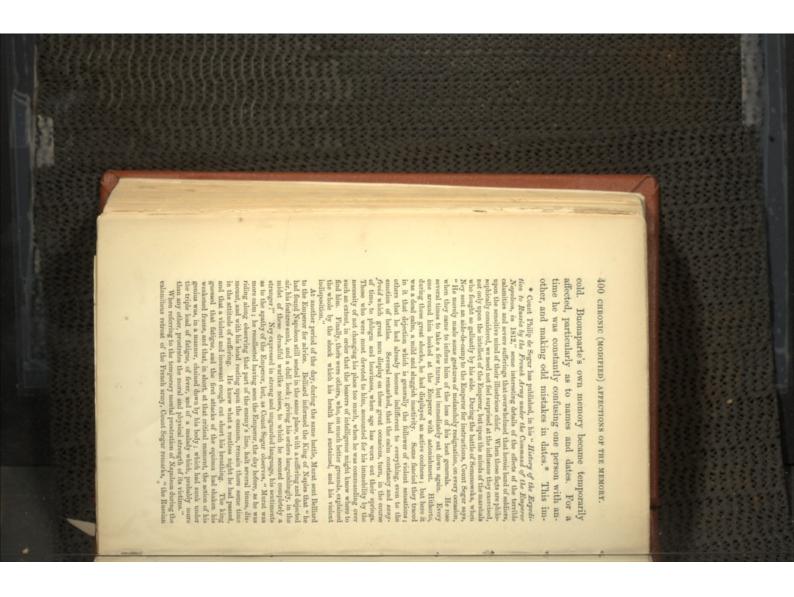
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In an account published many years back, of the wreck fortunately rescued from death by a whaler. Several of their intellects were much impaired, particularly as rebut he could give no information as to where he was of a ship in the Pacific Ocean, it is recorded, that the fatigue, and lengthened exposure to anxiety of mind and intense cold. The unhappy crew and passengers were and a few who escaped death and madness found that gards the faculty of memory. One man lost all recollec-The memory as to crew and passengers suffered from extreme privations, the seamen subsequently died, three became deranged, born, whether he had any family, or where they resided. The past history of his life appeared like a blank,-a recent painful events was singularly accurate and vivid, tion of the antecedents of his life. rasa. tabula

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In the retreat of the French from Moscow, during Buonaparte's Russian campaign, many of the soldiers and officers found that their minds were greatly enfeched, consequent, as it was supposed, upon their exposure to great mental anxiety, physical privations, and intense



EFFECT OF THE RUSSIAN CAMPAIGN ON BUONAPARTE. 401

pairment was, however, only of short duration. One of his aides-de-camp suffered from a severe attack of loss of memory for several years. His intellect was, in other respects, molouded.

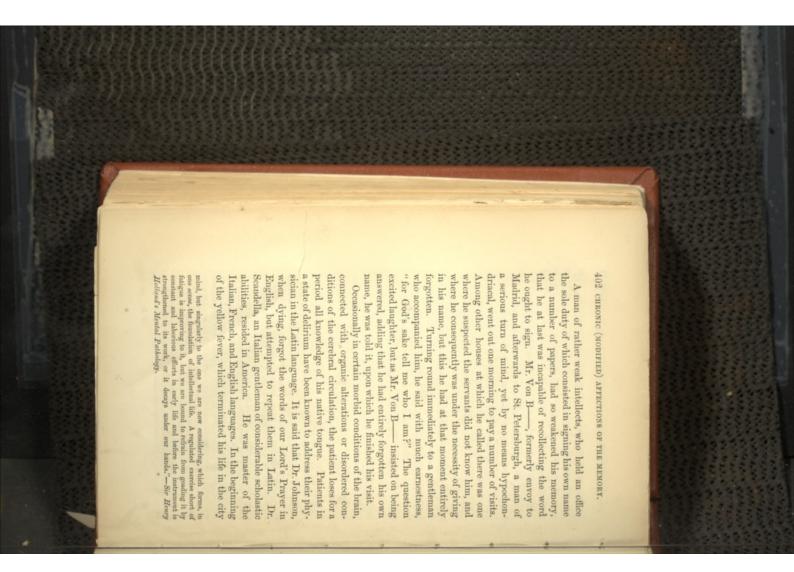
Sir Jos. Banks relates a case of sudden paralysis of memory occurring to a fireman, who, in an heroic attempt to rescue some children from the interior of a house enveloped in flames, exposed himself for some time to an intense degree of heat.

Boerhave mentions the particulars of the case of a Spanish tragic author, who in consequence of an attack of acute fever so completely lost all memory, that he forgot not only the languages he had formerly learnt, but even their alphabets. His own poems and compositions were shown to him, but it was impossible to convince him that they were his production. He afterwards, however, began again to compose verses, which had so striking a resemblance to his former writings, that he at last became convinced of his having been the author of them.

Numerous cases are recorded of sudden temporary failure of the memory, from an undue exercise and illegittimate straining of this faculty.* actum had triumphed over him , had it not been for that, perhaps the whole of Russia swould have yielded to our arms on the phinn of the runtice, its premature inferency was a must assemble assistance to their empire. It was on the Oth of September, the very day before the great butlet intat a day, a henring freer had dried up the Empere's block, and opressed his sprints; he was quie overcome by it during the huttle, and opressed his sprints; he was quie overcome by it during the huttle, and the state of while generation. This it was which preserved Kutasof from data in at will generate and allowed him time to high do that and will available with the overcome by it during the huttle, and the state of while generate and allowed him time to high do the analy and will avail allowed him time to the properties. This is a fast and allowed him time to work and allowed him time to represerved Kutasof his array, and will avail from our premuit. "-(Vol., pp. 388, 9, 343, 3, 333). * * If is a fast well attraked by copertione, that the unmorp may be

withdraw it from our purvait."--(Vol. i, pp. 338-9, 342-3, 353), $^{-1}$ A if as flact with attacked by experiences that the memory may be arritosily injured by pressing upon it too hardly and continuously in marky life. Whatever theory we hold as to this function of our nature, it is certain that this power are only gradually developed, and that if forced into premature excesses, they are impaired by the effort. This is a maxim includ of growt import, applying to the condition and culture of every faculty of body and

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SINGULAR MANIFESTATION OF MEMORY PRIOR TO DEATH. 403

of New York, in the autumn of 1798, he spoke *English* only, in the middle of his disease he spoke *French*; but on the day of his death he spoke *Italian*, the language of his native country.

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Dr. Rush says, that the Reverend Dr. Muhlenberg, of Lancaster (U.S. A.), when alluding to the German emigrants over whom he exercised pastoral care, observes, "People generally pray, shortly before death, in their native language. This is a fact which I have found true in innumerable cases among my German hearers, although hardly one word of their native language was spoken by them in common life and when in health !"

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Dr. Hutchinson refers to the case of a physician who had in early life renounced the principles of the Roman Catholic Church. During an attack of delirium which preceded his death, he prayed only in the forms of the Church of Rome, whilst all recollection of the prescribed formules of the Protestant religion were effoced and obliterated from the mind by the cerebral affection.^{*}

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A gentleman was thrown from his horse whilst hunting. He was taken from the field to a neighbouring cottage in a state of unconsciousness, and was subsequently removed to his own residence. For the period of a week his life was considered in imminent danger. When he was restored sufficiently to enable him to articulte, he began to talk *German*, a language he had acquired in early life, but had not spoken for nearly *heatlyfice* years 1

Dr. Rush cites a case of paralysis in which the premonitory symptom was forgetfulness how to spell the most common and familiar words. A gentleman, after an attack of paralysis, forgot the names of all his friends,

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" Biographia Medica."
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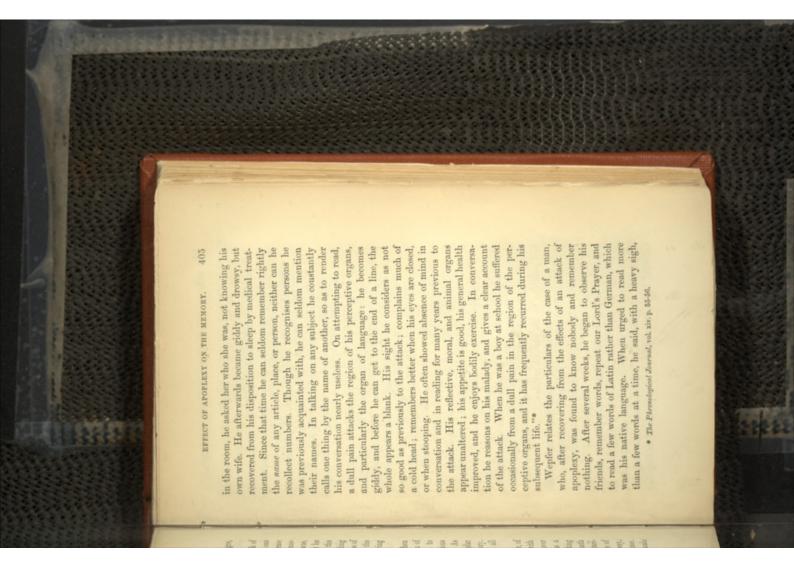
but designated them correctly by mentioning their ages, with which he appeared to be well acquainted.

A man, aged sixty-five, in consequence of an attack of apoplexy, forgot how to read, or even to distinguish one word or letter from another, but if a name or phruse diately, and that, too, with the greatest accuracy. He was, however, incapable of reading or distinguishing what he had written, for if asked what a letter was, or how the letters were combined, it became evident that the writing had been performed *mechanically*, without any exercise of the reflection or judgment. In this case none of the means which were employed were successful in restoring the knowledge of letters to his mind.*

A gentleman had a serious attack of illness. When restored, it was found that he had lost all recollection of recent circumstances, but had a lucid memory as to events that had occurred in early life: in fact, impressions that had long been forgotten were again revived. As this patient recovered his bodily health, a singular alteration was observed in the character of his memory. He again recollected recent ideas, but entirely forgot all the events of an antecedent period !

" A gentleman between fifty and sixty years of age, of temperate habits, nervo-bilious temperament, and with the moral sentiments and intellect predominating over the propensities, besides his professional duties as a elergyman, had been for several years engaged in writing a voluminous county history. One day, in the month of September, 1839, he had been working without intermission in the compilation of an index for a volume of his history, then about to be published. Feeling drowsy, he had himself down on a sofa, and slept for some time. On awaking he felt extremely cold, and, seeing a female

* " Ephemerides Curiosa."



"I formerly understood these things, but now I do not." After some time he began to pay more attention to what was passing around him, but, while thus making slight and gradual progress, he, after a few months, suddenly died of an attack of apoplexy.

Willis refers to the case of a man, who, in recovering from an attack of putrid fever, was found to have so entirely lost his mental faculties that he recognised no one, remembered and understood nothing. "*Fix supra brutum saperet*."

and pointing to the various articles. herself understood only by going through the house as to what she wished to have done, but could make tions respecting family matters she was quite distinct of things, but could not name them. In giving direcafter an apoplectic attack, recovered correctly her ideas pointed to the name-plate upon the door. A lady, house of the gentleman of whom he was speaking, and arm and dragged him through several streets to the understand whom he meant, he at last seized him by the friend; after various ineffectual attempts to make him anxious to communicate something respecting a mutual in the street, he met a gentleman to whom he was very recovering from an apoplectic attack, knew his friends perfectly, but could not name them. Walking one day A gentleman whom Dr. Abercrombie attended, after

A man, after an accident, could not recal to mind the names of his relations; another could recollect no proper names without the assistance of his friends.

"A young woman," says Dr. Shapter, " of weak intellect, subject to headaches and '*mad réglée*,' at the age of twenty-one experienced an attack of apoplexy. In her convalescence it was observed that she had lost all recollection of persons and occurrences. She early recollected her mother, without the power of calling her

EFFECTS OF A MENTAL SHOCK ON THE MEMORY. 407

by name; at the end of a month she pronounced some words, though but very imperfectly, and her efforts to express herself involved her in almost unintelligible

perphrases. A man whilst grooming a restive horse received a kick on the head. He was in an unconscious state for six hours. He recovered with a singular perversion of speech. For some weeks the only words he could utter were "stable," "horse," "kick." He used these epithets whenever he wished to communicate with those about him. An effort was made to induce him to use other words, and to connect his ideas, but without effect. He eventually recovered the use of language, but for nearly a year his memory was in a very impaired state.

a year us memory mericity lost his memory after A well-known puglist entirely lost his memory after a severe contest with a man who had severely punished

him about the head. A lady of rank experienced a severe shock consequent upon the receipt of the melancholy intelligence of the sudden death of an only and much-beloved child. She continued for several days in a stunned and apparently dying state. She, however, recovered. For many dying state. She, however, recovered. For many anouths afterwards her memory exhibited a singular months afterwards her memory exhibited a singular fained. When she was informed of the death of her tained. When she was informed of the death of her tained. About nine months from this time she passed away. About nine months from this time she was found dead in her bed. Disease of the heart and brain was said to have been discovered after death.

A French soldier received a compound fracture of the cranium, opening the superior longitudinal sinus. There were, in the first instance, symptoms of compression. When in the hospital of Antwerp, he understood all that



was said to him, and seemed quite intelligent. But he could only reply *ba-ba* to interrogatories. It was rather singular to observe his evident vexation at his inability to give expression to his ideas.

Dr. Shapter, of Exceter, has published the following very interesting case, illustrative of the morbid phenomena of memory.

" Case.—Pietro Gillio, LL.D., aged forty, a native of Italy, is, or rather was, a man possessing great comprehensiveness of mind, much vigour of intellect, of extensive acquirements, deeply read in metaphysics and general literature, and the perfect master of several languages.

"In consequence of having been a prominent agent in the insurrection of Piedmont, he was condemned to death. Fortunately he effected his escape, and, since that period, has been a solitary wanderer, for some years in Spain and the Channel Islands, but latterly in England, where he supported himself by teaching the Italian and Latin languages.

" Having been exposed to anxiety of mind, study, night-watchings, fastings, and cold and damp, he became affected on the night of the 14th of April, 1835, with headache, vertigo, and vomiting, succeeded by an indescribable confusion, after which these symptoms subsided. "On the 15th, Dr. Shapter was called to him, in company with Mr. Froom.

"We found him in a state of great excitement and irritability, pacing hastily up and down his chamber with unequal steps. He was incapable of articulation, and there was an almost total loss of the memory of language; for though his attention was readily attracted by speaking to him, yet the purport of what was said appeared to be in no way understood; if there were any indistinctness of hearing, it must have been but very slight. Deglutition difficult. The pupil of the right

REMARKABLE CASE OF DISORDERED MEMORY. 409

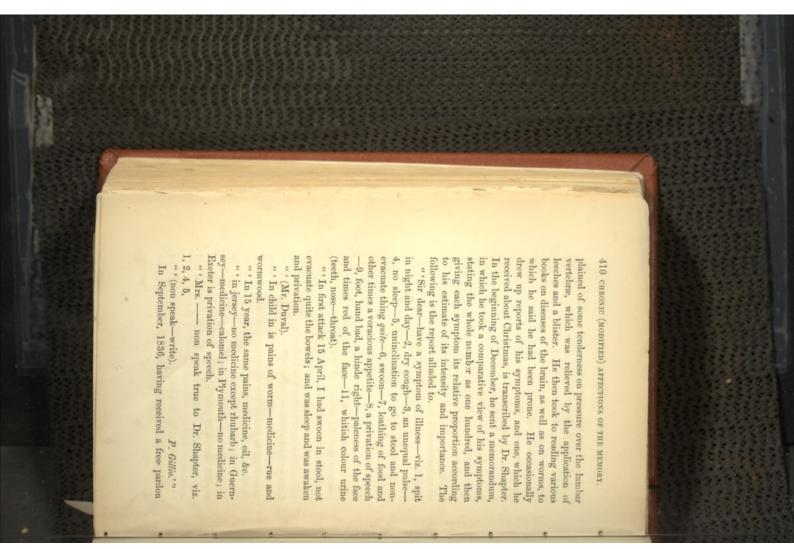
eye dilated, and but slightly answering to the impulses of light; the sight distant and indistinct; that of the left eye natural; the general expression of the eyes restless, and watching with anxious quickness those in the room. Pain in the back part of the head, but apparently not acute. Pulse rapid, unequal, 120; on the right side strong, full, and vibrating, especially pronounced in the right subclavian and carofid arteries; on the left side, but not amounting to paralysis, excepting for the first hour or two after the attack. His hadlady says, that at breakfast this morning he was silent, irritable in manner, and looking anxious; that suddenly he made some effort as if to speak, and then rushed hastily-efforn the house.

The usual antiphogistic treatment indicated was pursued, such as bleeding, blisters, and purgatives. We early found, however, that he had not stamina to permit such means to be carried to any great extent.

" On the 6th of June, the arterial action of the right side was still tumultuous in the extreme. He could recollect *portions* of a few words, and, after repeated trials, could write some of the shortest ones correctly, without the assistance of a dictionary; but words of three or four syllables were far beyond his powers of concentration; his efforts at composing a sentence were unavailing, as well as the understanding one addressed to him: he had no command of tongue. He commenced studying, with the most feverish anxiety, the English lexicon, and, in great measure, managed to explain himself by pointing to particular words; but his centined.

"After this he had an excessive secretion from the membrane of the nose and fauces. In October, he com-

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PROXIMATE CAUSE OF MORBID MEMORY. 411

from the King of Sardinia, and being about to return to Vico, his native place, Dr. Shapter took the subjoined final note of his condition.

"Has now a nearly perfect recollection of facts, of ideas, and of his past life generally; and has also recovered the recollection of many words when written before him, and to a lesser extent when spoken to him: this difference does not depend on any deafness. His the most part, lost the faculty of properly arranging and he has with difficulty re-acquired. His general irritability is much decreased, and the pain on pressure of the spinal column has subsided entirely; but he complains and towards morning. Pervigilia; pulse 104, in right side strong, left weak; the general strength of the right side restored; pupil of right eye still dilated, the sight powers of reading are soon exhausted; and he has, for constructing his sentences, and is now almost totally incapable of articulating with correctness the few words much of painful pulsations in the posterior part of the rather more distant than that of the left; the indistincthead and neck, occurring especially during the night ness of vision almost recovered from; habit of body costive; appetite good only towards evening. General health from the period of the first attack, though slowly, yet progressively improves."

yet progressively improves. Dr. Shapter referred the proximate cause of the symptoms in this case to the rupture of a blood vessel at the base of the brain, or the superior portion of the spinal column. He considered that some coagulum pharyngeal and lingual nerves arise. The eyesight was pharyngeal and lingual nerves arise. The eyesight was powers of adaptation of the right eye. He therefore powers of adaptation of the right eye. He therefore concluded that the optic nerve was intact, but that the motor nerves of those parts were disordered.

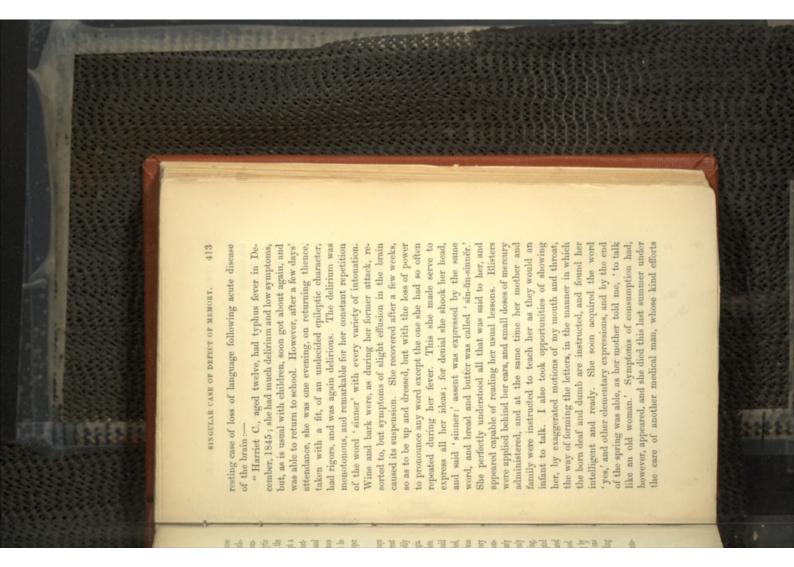
412 CHRONIC (MODIFIED) AFFECTIONS OF THE MEMORY.

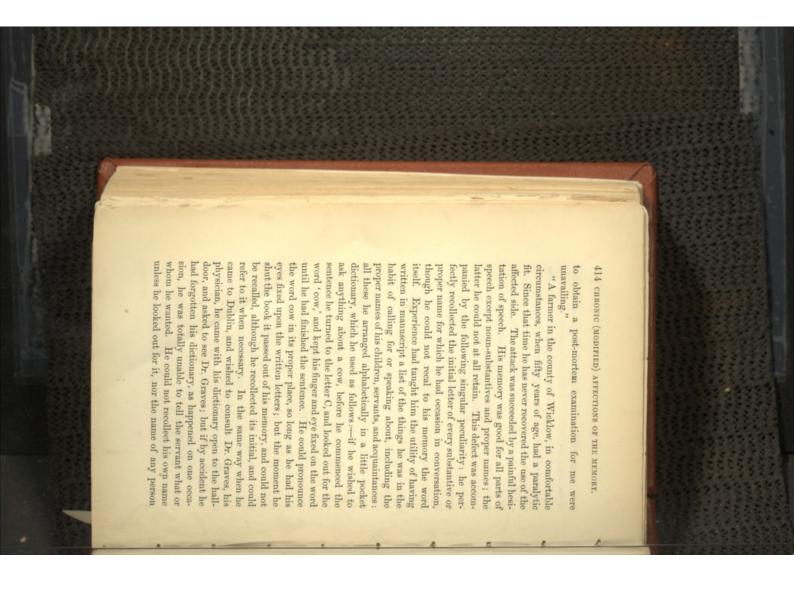
wanted, without being aware they were not the proper ness, and with a variety of tones to express pleasure and very few which he pronounced with the greatest distincton the right side. It was found that he had lost the man, aged fifty-six, was seized with symptoms of comof impaired memory produced by paralysis. A gentleof his disorder, and to give directions about what he displeasure, joy and sorrow, to explain the circumstances recollection of the words of his own language, except a pression of the brain, and became completely paralytic The late eminent Dr. Baillie* describes a curious case

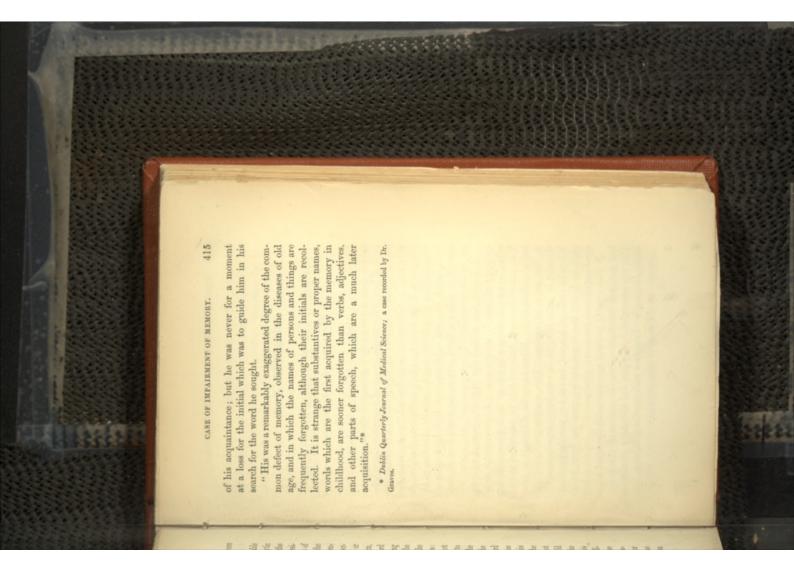
enjoyed a good state of health, after experiencing great uneasiness of mind, and being exposed to severe bodily what he wrote. † word for another, and almost always erred in spelling writing on a slate; but he generally substituted one surprised and displeased when he was not understood. distinctly upon ordinary subjects. He perfectly comthat with the assistance of expressive gestures, he was only utter the sounds ee-o, which, however, he so varied, The power of speech was entirely lost, so that he could The apoplexy was slight, but the hemiplegia was complete. fatigue, was seized with apoplexy, followed by hemiplegia. words to express his meaning. He sometimes endeavoured to explain his meaning by to the communication of his ideas, he often appeared prehended everything that was said to him, and clearly able to convey to those about him his meaning very however, that he actually employed the words adapted to utter the previously-mentioned sounds. Believing, understood what he meant to answer, but was able only A gentleman, forty-six years of age, who had always

Dr. T. K. Chambers has published the following inte-

" Medical Transactions of the College of Physicians," vol. iv.
 + " On Nervous Diseases," by Dr. Cooke.







PERVERSION OF THE MEMORY.

416

CHAPTER XVI.

Perversion and Exaltation of Memory. Memory of the Insane.

PERVERSION OF MEMORY.—Andral refers to a curious modification of the memory connected with a sudden or gradual loss of the remembrance of everything, save one object which "becomes to the person so afflicted the universe." "There is," says Andral, "a very singular perversion of the memory, which consists in the patient remembering everything except himself. He has, as it were, forgot his own existence, and when he speaks of himself, it is in the third person, the words I or ME are not in his vocabulary."*

M. Leuret has related the case of a woman who, in speaking of herself, always said, "La personne de moimôme." An old soldier who was in the Asylum of Saint Yon, named Lambert, believed that he was killed at the battle of Austerlitz. When he spoke of himself, he was in the habit of saying, "This machine, which they throught to make like me, is very badly manufactured." When he spoke of himself, he did not use the personal pronoun I, but the demonstrative pronoun THAT, as if speaking of some inanimate object.

A man seventy years of age was suddenly seized with lock-jaw, and formication over the surface of the body. This was succeeded by vertigo, and a strange alteration in his language. He spoke with ease and fluency, but

* Andral's " Clinique Médicale."

SINGULAR CASE OF PERVERSION OF MEMORY. 417

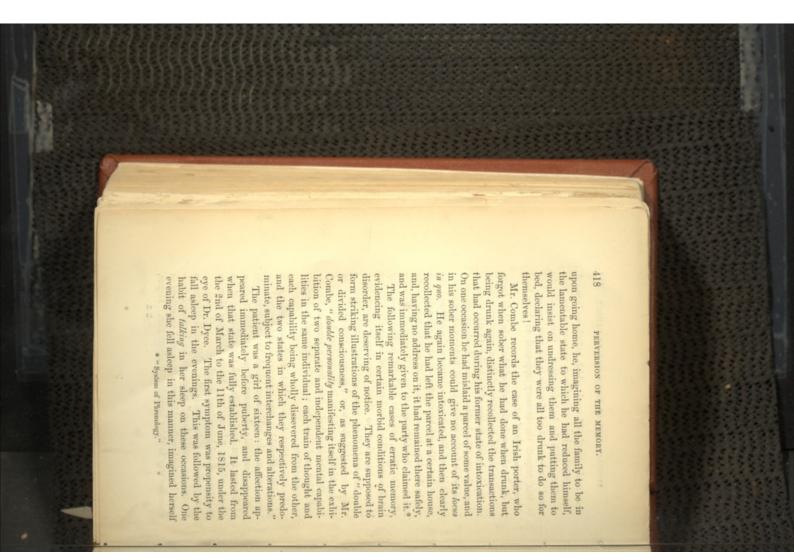
often made use of odd words which nobody understood. He appeared to have coined new phrases in the place of others which he had forgotten. Occasionally he mixed numbers instead of words in his conversation, and in this respect the memory appeared to have been altered in its mode of action.

John Hunter was in the habit of relating in his lectures, a singular case of perversion of the memory succeeding the gentleman, who, besides referring the circumstances of his early life to the present period, had to such an extent lost all idea of the connexion between the past and the present, that although his mind could direct him as to what was to be done in consequence of certain impressions, and would direct him rightly as to the part of the body affected by them, he was in the habit, (having apparently lost all notion of his own identity,) of constantly referring his own sensations to those immediately about him. Thus, he would tell his nurse and the bystanders that he was certain that they were hungry or thirsty; but on offering him food or drink, it was evident by his eagerness, that the idea had arisen from a sense of hunger an attack of acute disease of the brain. In this instance and thirst, and that the word they referred to himself and not to others.

He was subject to a violent cough, and after each paroxysm he would, in very appropriate and sympathetic terms, resume the subject on which he had been conversing, previously, however, expressing his feelings of distress from having witnessed the sufferings of his friend, adding, "I am sorry to see that yow have so troublesome and harassing a cough." A gentleman, who was in the labit of inductior in

A gentleman, who was in the habit of indulging in "potations, pottle deep," whenever he became intoxicated, invariably referred his own perverted sensations in a similar way to those immediately about him. Hence,

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REMARKABLE CASE OF DOUBLE PERSONALATY. 419 an episcopal clergyman, went through the ceremony of thing, except that she had fallen asleep, of which she showed herself ashamed. She sometimes dressed herself baptizing three children, and gave an appropriate extempore prayer. Her mistress took her by the shoulders, called it, " dead asleep ;" answered questions put to her in such a manner as to show that she understood what was said; but the answers were often, though not always, incongruous. One day, in this state, she set the breakfast with perfect correctness, with her eyes shut. She afteron which she awoke, and appeared unconscious of everywards awoke with the child on her knee, and wondered how she got on her clothes. Sometimes the cold air awakened her, at other times she was seized with the affection while walking out with the children. She sang a hymn delightfully in this state, and, from a comparison which Dr. Dyce had an opportunity of making, it appeared incomparably better done than she could and the children while in this state, or, as Mrs. Laccomplish when well.

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In the meantime a still more singular and interesting symptom made its appearance. The circumstances which occurred during the paroxysm were completely forgotten by her when the paroxysm was over, but were perfectly remembered during subsequent paroxysms. Her mistress said, that when in this stupor on subsequent occasions, she told her what was said to her on the evening on which she baptized the children. Other instances of this kind are given. A depraved fellow-servant understanding that she wholly forgot every transaction that occurred during the fit, chandestinely introduced a young man into the house, who treated her with the utmost undenses, while her fellow-servant stopped her mouth with the bed-clothes, and otherwise overpowered a vigorous resistance which was made by her, even during the

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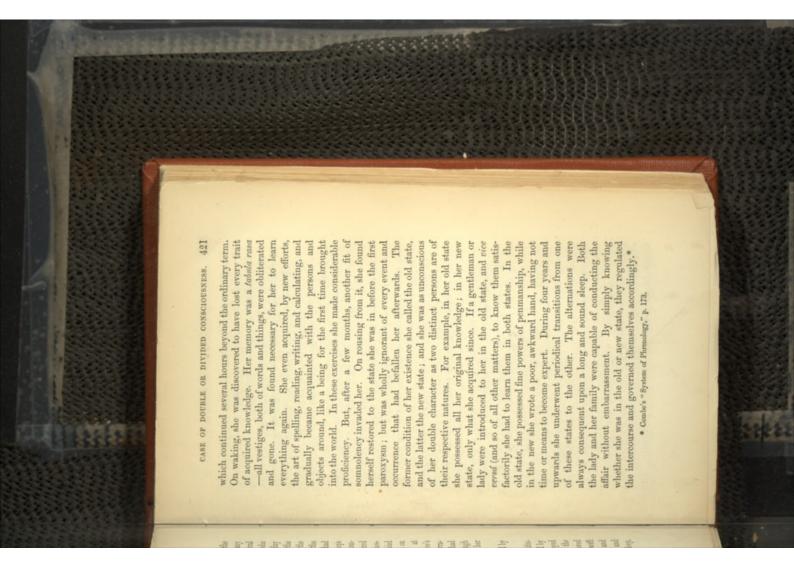
slightest recollection even of that transaction, nor did any that she had been in any such place ; but next night on with which their career of vice and infamy took its comdescribed in their dying declarations the dangerous steps execution of three young men at Edinburgh, who had sermon, particularly during the account given of the related the whole facts to her mother. Next Sunday days, till she was in one of her paroxysms, when she person interested in her welfare know of it for several influence of her complaint. Next day she had not the tive of the three young men, by which her feelings had church, repeated the words of the text, and, in Dr. Dyce's being taken ill, she mentioned that she had been at tions put to her about the church and sermon, and denied in a quarter of an hour, was quite amazed at the quesmencement. When she returned home, she recovered she was taken to the church by her mistress while the in Mrs. Lhearing, gave an accurate account of the tragical narraparoxysm was on her. She shed tears during the been so powerfully affected. On this occasion, though -'s house, she asserted that she was in her

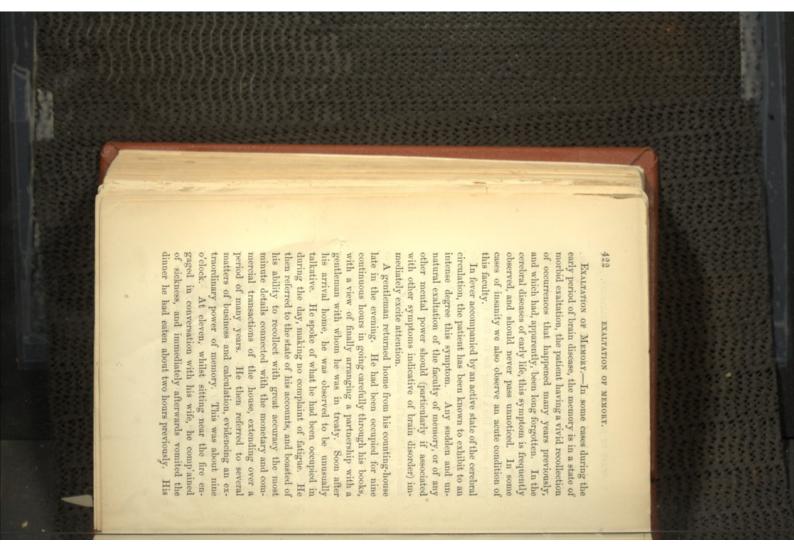
mother's.* The particulars of the following case are detailed by Dr. Mitchell :---†

Miss R——, possessing naturally a very good constitution, arrived at adult age without having it impaired by disease. She possessed an excellent capacity, and enjoyed fair opportunities of acquiring knowledge. Besides the domestic arts and social attainments, she had improved her mind by reading and conversation, and was well versed in penmanship. Her memory was capacious, and stored with a copious stock of ideas. Unexpectedly, and without any forewarning, she fell into a profound sleep.

Combe's " Phrenology," p. 225.
 † Medical Repository.

† Medical Repository.





EXALTATION OF MEMORY A FATAL DIAGNOSTIC SIGN. 423

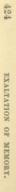
wife administered some restoratives, which appeared to be productive of relief, and therefore no medical man was sent for. About twelve o'clock he complained of was seen for. About twelve o'clock he complained of severe headache over the occipital region, and had a second attack of vomiting. About half an hour after he became drowy, and eventually sank into a state of profound coma. He died in the course of the night, never having recovered from this state of unconsciousness. The *post mortem* examination revealed an aneurismal tumour of the middle cerebral artery (which was never suspected), with a state of general sanguineous congestion of the brain.

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Romberg refers to the case of a girl who, when very young, had a severe attack of small-pox. She lost her sight, but acquired an extraordinary memory. She repeated perfectly on her return home a long sermon she had recently heard. "It is well known," adds Romberg, "that the scrofulous, and frequently the rachitic diathesis in childhood, is accompanied by this phenomenon."

In the incipient state of brain disease of early life connected with acute fevers, disturbed conditions of the cerebral circulation and vessels, and in affections of advanced years, there is often witnessed a remarkable exaltation of the memory. Events that have occurred many years previously, and which were, apparently, obliterated from the mind, have been distinctly reproduced, and that, too, with extraordinary accuracy and vividness.

too, with extraordinary accuracy and vivoluces. A sudden "lighting up" and improvement of the memory, occurring to persons in advanced life, are occasionally precursory of death and fatal apoplexy. Hipposionally precursory of death and fatal apoplexy. Hipposerves notices this phenomenon. A gentheman, aged screates notices this phenomenon. A gentheman, aged are artered with other signs of brain disorder, a remarkably vivid recollection of a complicated transaction previously entirely forgotten, that had taken place



thirty-five years before. On the following day he had an attack of apoplexy, of which he died.*

Portal has observed among the incipient symptoms of cerebral hemorrhage and paralysis, a disposition to talk garrulously respecting events that have long since been apparently forgotten. An old gentleman surprised his family by recounting the minute particulars of an eventful epoch that had occurred in early life, known only to himself, as if the circumstances were familiar to those about him, and were of recent date. Two days subsequently he was found in bed in a state of apoplectic coma, from which he never rallied.

preternaturally excited, I should suppose the most diswith a consciousness generally sound, and a sensibility state of disease in which partial derangement is mixed day, and this was to me a new state of mind. That rienced. Paroxysms of derangement occurred the third was a thing very different from what I had yet expeday; but in this with the first day I was prostrated to of the circumstances of this disease. And it is in my "As very few live," he remarks, "to record the issue of infantile weakness, and felt with its first attack that it had a fever before, and had risen and been dressed every sufferings like theirs, and have survived them. I had be recorded than have been, and that others in similar more of the symptoms, sensations, and sufferings should view desirable, in the bitter agony of such diseases, that as I have promised to be particular, I will relate some a sickness like mine, and as you have requested me, and other climates, in being seized with a bilious fever. predicaments may know that some before them have had Illinois, and suffered the common lot of visitants from An intelligent American was travelling in the State of * Hagendorn, "Observations Médicale." Paris.

MEMORY OF THE INSANE.

425

tressing of all its forms. At the same time that I was unable to recognise my friends, I was informed that my memory was more than ordinarily exact and retentive, and that I repeated whole passages in the different languages which I knew with entire accuracy. I recited, without losing or misplacing a word, a passage of poetry I could not so repeat after I had recovered my health, &c.''s

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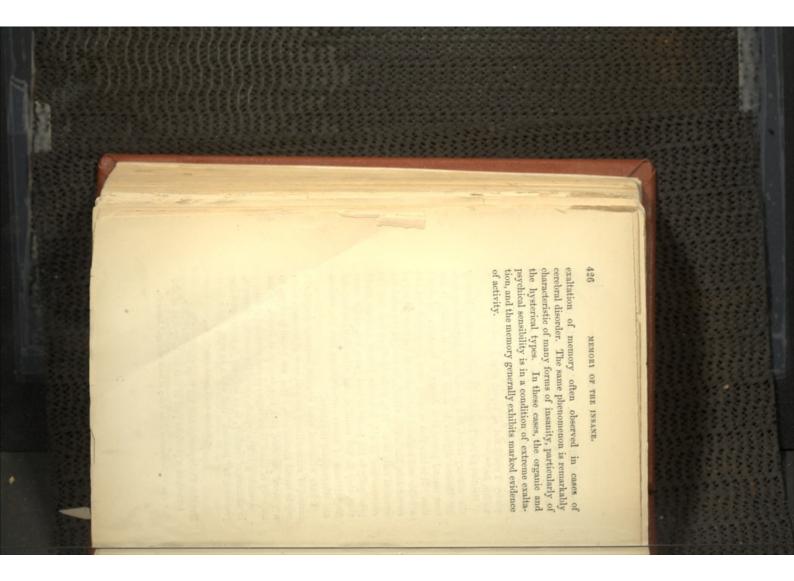
MEMORY OF THE INSAND. —In ordinary cases of insanity the memory is not, as a general rule, impaired or lost. Dr. Hashum appears to think that this faculty is the first mental power that decays in insanity. I doubt this. It is true that in many cases the patient has but a feeble and confused recollection of the transactions of recent date, but is able, vividly, to recal to the mind the scenes of early life. It is, undoubtedly, a fact, that the conversations of old, incurable lunatic patients relate principally to the events of past years, but, at the same fitme, they do not manifest that utter obliviousness and forgetfulness of recent circumstances that Dr. Haslam I have witnessed oncontine.

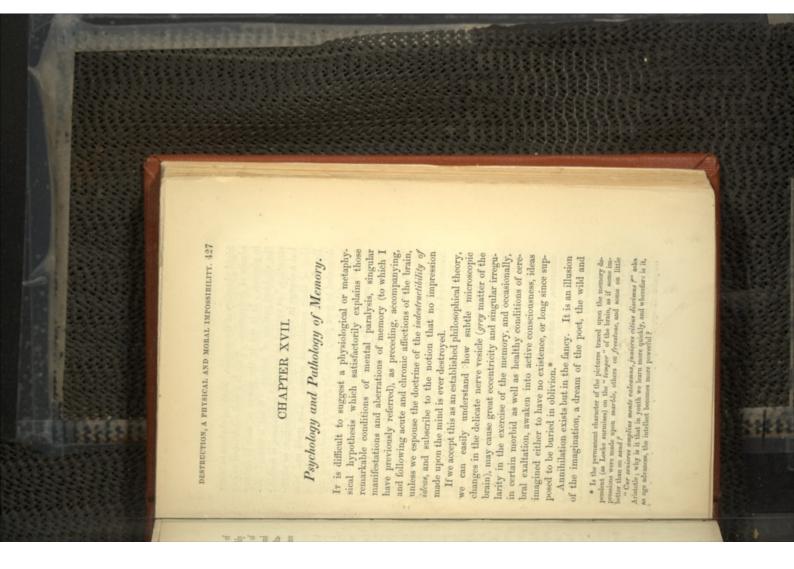
I have witnessed some singular instances among the insame, of extraordinary retentiveness of memory, relating to recent transactions, but I am bound to admit, as a general *postulate*, that this faculty is found, in the majority of cases, in an impaired and muddled state. According to Shakspeare, one of the essential elements,

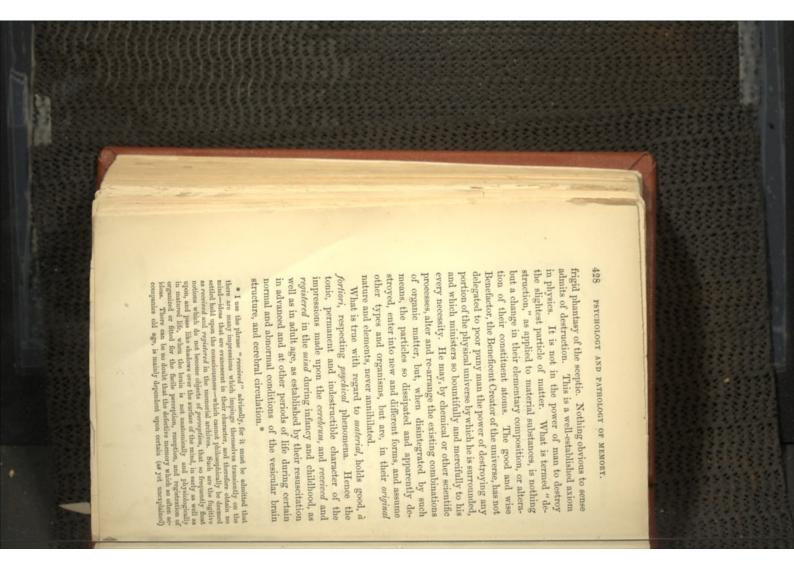
in all cases of insanity, is an indbility to revive past impressions, to "re-word" that which he says

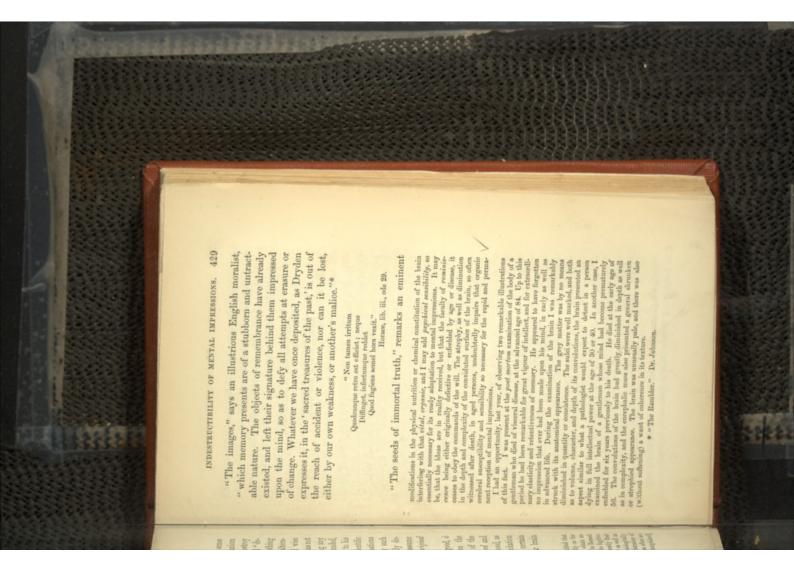
" Madness would gamble from."

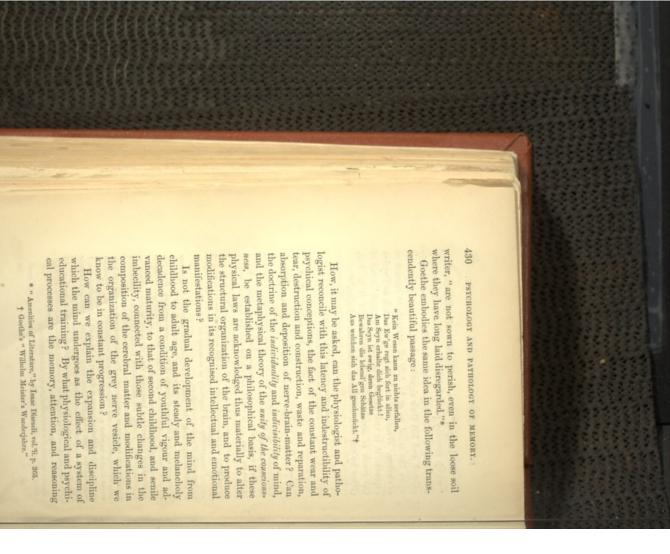
But this Shakspearian test has been long exploded. I have, in a previous part of this work, spoken of the * Flint's " Recollections of the Valley of the Mississippi" Latter xiv.











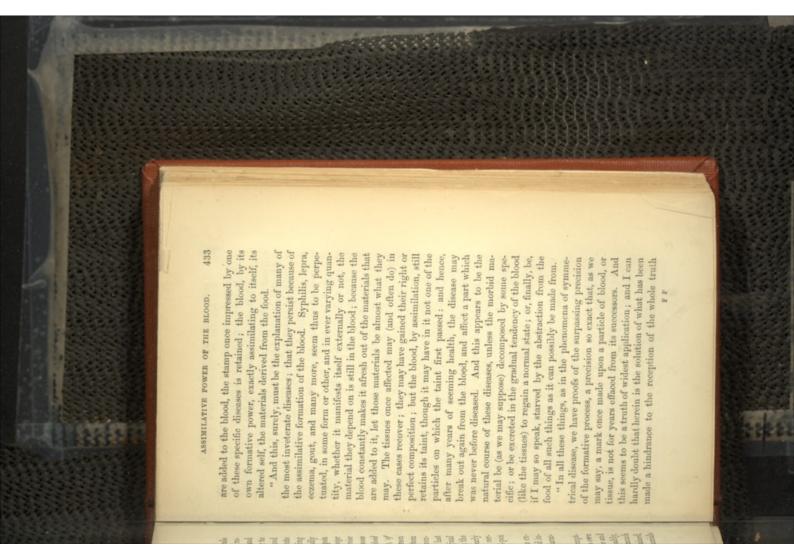
. . EFFECTS OF ORGANIC CHANGES ON THE MIND. 431 faculties, developed and invigorated by exercise ? What is the rationale of the judgment being improved by the taste disciplined and chastened, the volitional power increased? Are not these various psychical changes the that changes similar to those previously referred to, in results of some new, and as yet inexplicable law regulating the action of nerve-matter? Is it possible to suppose the manifestations of the thinking principle, can be conjudicious and careful cultivation, the moral sense elevated sequent upon any alteration in the mind per se? May not these developments and modifications in the psychical attributes of the cerebrum, and grudual unfoldings of the mind which we perceive through the various epochs of life, be mysteriously connected with and dependent Are these *psychical* phenomena more inexplicable and inscrutable to the philosopher than the *physical* facts that upon, that waste and repair of nerve matter which all the physiologist is daily making matter of observation and reflection? How can we account for the transmission of particular types of disease, certain modifications and eccentricities of physical organization from generation to generation? Are these phenomena less occult than the descent of mental idiosyncrasics, modulations of the voice and expressions of the countenance, from father to son, mother to daughter? Slight distortions in the feet, peculiar malformations in the fingers, singular defects in the development of the muscles regulating the movements of the eyes, moles, mother's marks, have all been known to be physical defects, or, more properly speaking, arrests of structural development, that have cile these physical facts with our notions of the organic Again, if we turn to the consideration of pathological existed in families for generations! How can we reconphenomena, the physiologist is still more bewildered in physiologists recognise to be in constant operation? revolutions occurring in the animal economy? 古雪雪 .11 the first start -泡 言言

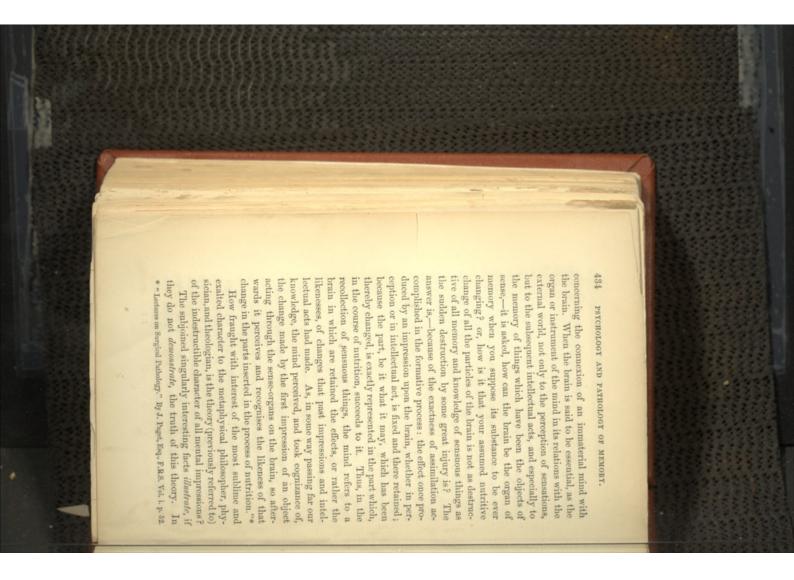
432 PSYCHOLOGY AND FATHOLOGY OF MEMORY.

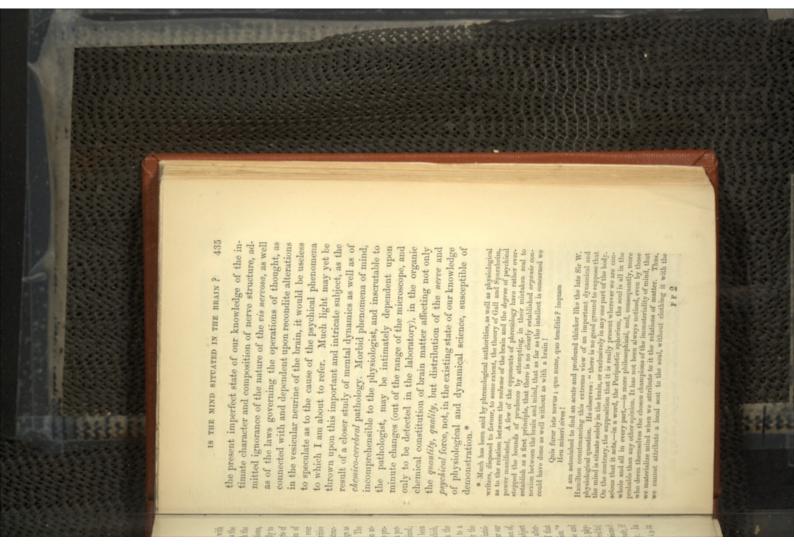
effected in infancy by the introduction into it of minute connected with the organization of the body. I refer to gulating the operations of life, as dependent upon and from finite understandings the incomprehensible laws rehis attempt to penetrate behind the veil that conceals those subtle changes in the character of the blood a protective influence against small-pox, in the great mass in its constitution and character, which continues to exercise the body from the influence of noxious and often deadly portions of morbific matter with a view of protecting changes and modifications! If we could imagine a person must have undergone many thousands, if not millions, of of cases, through a long life, during which time the blood the blood in producing a permanent and organic change poisons. I allude to the effect of the vaccine virus upon drop of blood, and subsequently restored to his original ditions for its reception, to be drained of nearly his last of healthy vaccine matter, under favourable bodily conso armed, by means of the introduction into the system tainly for many years, from the influence of the small-pox force of its sanitary effect upon the vital fluid in early vascular condition, we should find no diminution in the poison. life; in other words, he would continue protected, cer-

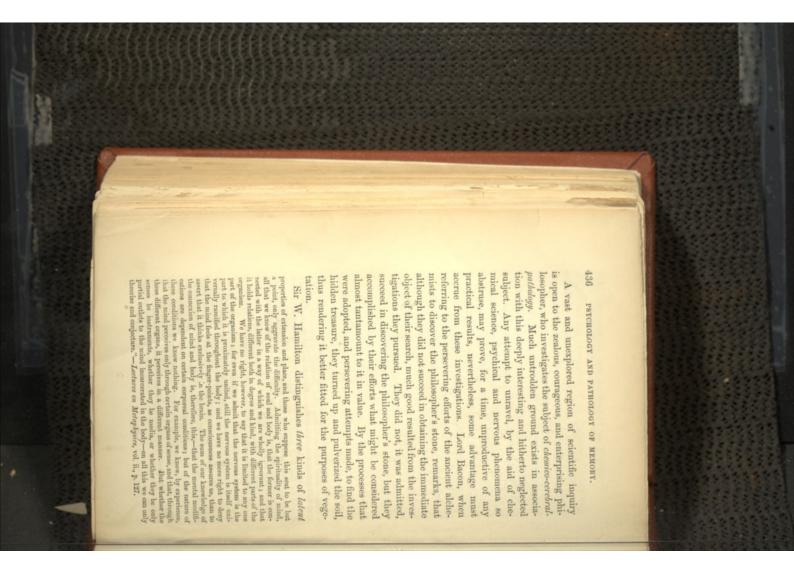
scrutable than the permanent and indestructible characplained? Is the phenomenon less mysterious and in-How can this assimilative power of the blood be ex-

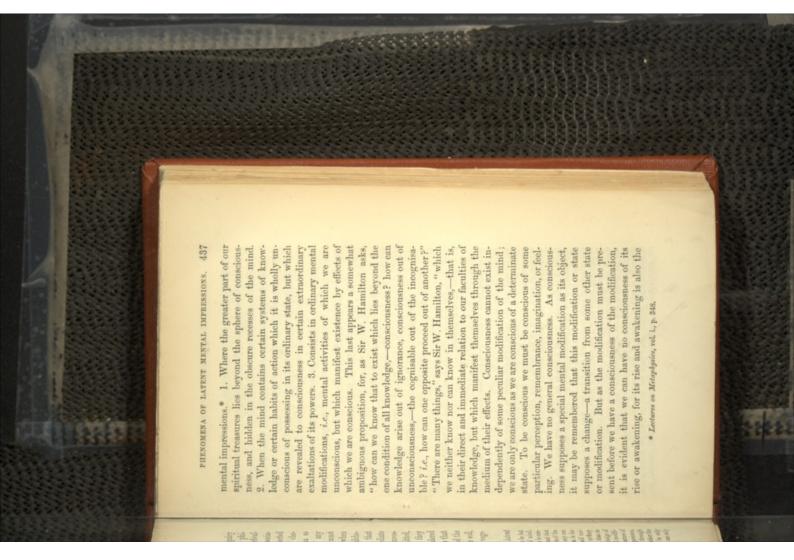
ter of all psychical impressions? and in many cases it would seem that, whatever materials more than they, in which the altered state is maintained, not the tissues alone, but the blood as much or much other infectious or inoculable diseases, it is most probably, assimilative power, he remarks :---" After the vaccine and ing their elucidation. When alluding to the blood's own Mr. Paget refers to these phenomena without attempt-

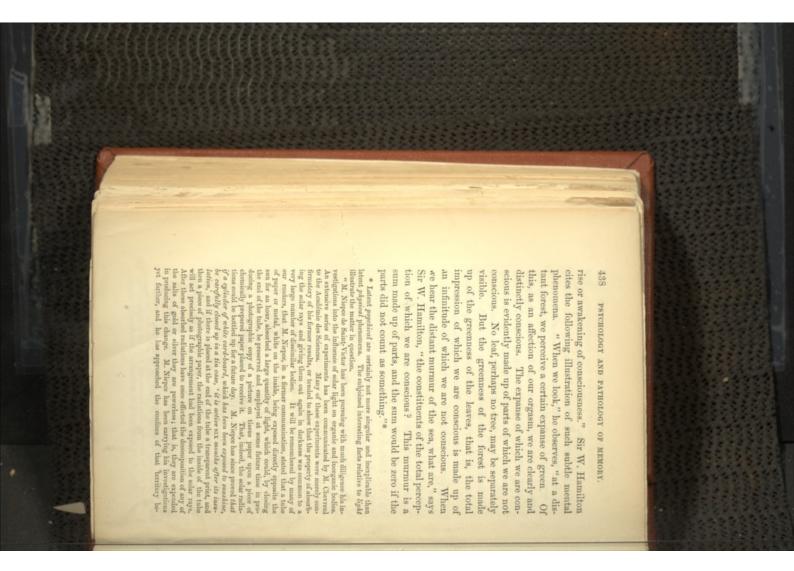


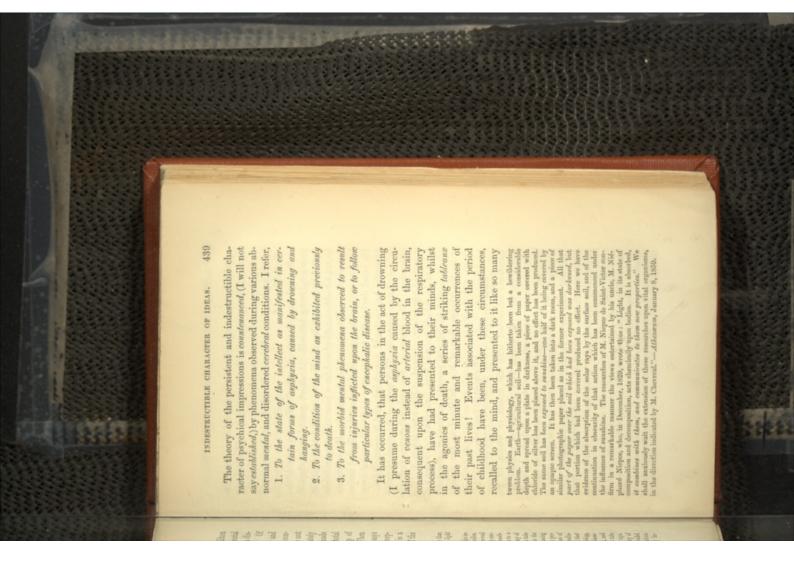


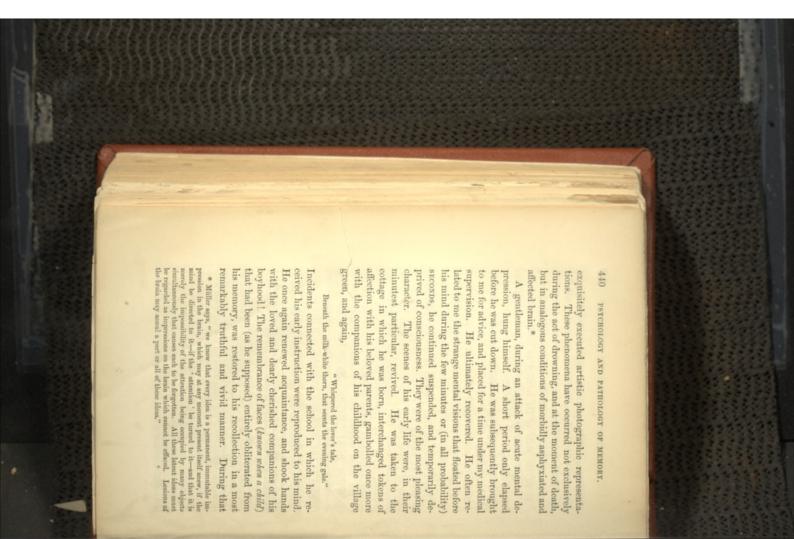












CURIOUS MENTAL PHENOMENA CAUSED BY DROWNING, 441

critical second of time (when he might almost have been considered struggling with death), every triffing and minute circumstance connected with his past life was presented to his mind like so many charming pictorial

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"I was once told," says De Quincey, author of the "Confessions of an English Opium Eater," " by a near relative, that having in her childhood fallen into a river, and being on the very verge of death, but for the critical assistance which reached her, she saw in a moment her whole life, in its minutest incidents, reflected before her, as in a mirror."

How often the mind, during the last struggle with life, is busily occupied in the contemplation of pastoral with the innocent recreations and unmatched beauties of fond reminiscences of the youthful fancy appear, occasionally, at this awful crisis, to gush back to the heart in imagery and pleasant early remembrances, associated country life! All the unsophisticated aspirations, and all their original beauty, freshness, and purity!

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"A young man," says Dr. Symonds, "who had been but little conversant with any but rural scenery, dis-

• A perior who was hung, but cut down on the arrival of a reprive, upon bring soled, "what his securition were while hanging"" replied, that " the properations for his securition were while hanging"" replied, that " the pression. But that upon being dropped, he instantly found himself casid fields and "rivers of Mood, which gradually acquired a greenish tings finding that if the could reach a certain pack, the should be eary, he seemed to himself to struggle forchly to stain h; and then conscionces and all solids are strongled particular states. The should be eary, he seemed to himself to struggle forchly to stain h; and then conscionces and all soling were conspletely metadod."

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sketches and paintings.*

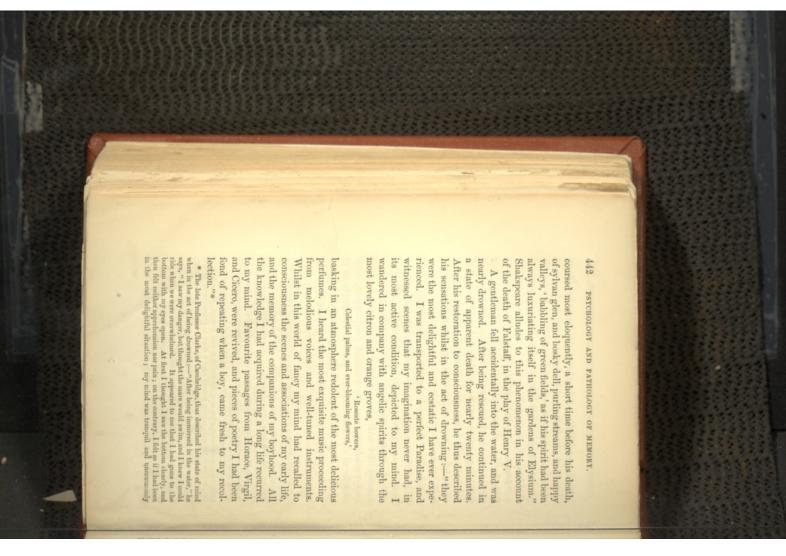
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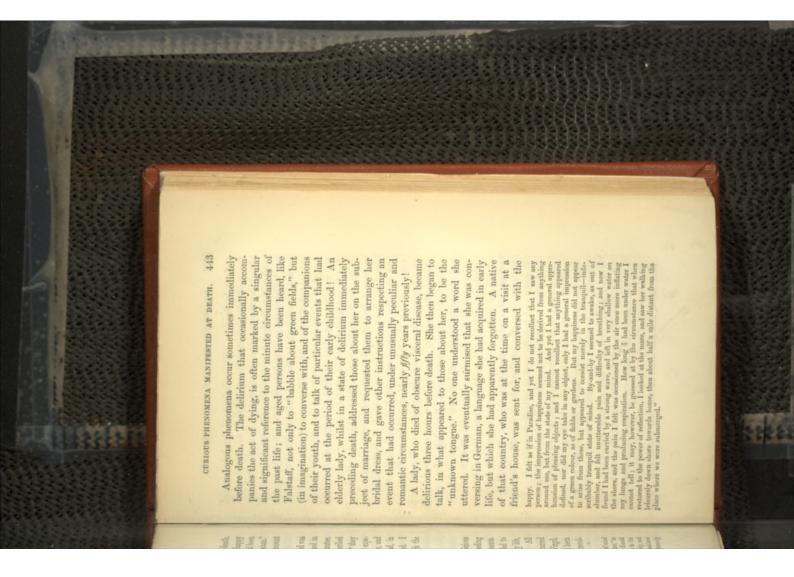
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patient in German. The relations of the lady assured the medical gentlemen in attendance, who were much struck by the singular phenomenon, that she had not spoken the foreign language since she was *ten* years of age! Five years previously to her fatal illness she accompanied some friends to Frankfort, but whilst there never attempted, although frequently urged, to converse in the language of the country. It was then supposed that all the knowledge she had acquired of German when a child had been effaced from her mind.

Dr. Rush alludes to a patient subject to attacks of recurrent insanity, whose paroxysms were always indicated by her conversing in a kind of Italian *patois*. As the disease advanced, and had reached its culminating point, the lady could only talk in *French*, at the decline of her illness she spoke only *German*, and during the stage of convalescence she addressed those about her in her *mative tongue*. This lady when quite well rarely spoke any but her own language, and if she well rarely spoke any but her own language, and if she diffidence and difficulty. During her attack of insanity she spoke with great fluency, never apparently being at a loss for words to convey her ideas. It is said that, with the exception of the Italian, the other languages, German and French, were singularly accurate.

Lord Monboddo relates the following singular case: --" A gentleman well known both to the learned and political world, who did me the honour to correspond with me upon the subject of my first volume of Metaphysics, says, 'That about six-and-twenty years ago, when I was in France, I had an intimacy in the family of the late Maréchal de Montmorenei de Laval. His son, the Compte de Laval, was married to Mademoiselle de Maupeaux, the daughter of a lieutenant-general of that name, and the niece of the late Chaneellor. This

MORBID PHENOMENA OF LANGUAGE. 445

gentleman was killed at the battle of Hastenbeck; his widow survived him some years, but is since dead.

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"" The following fact comes from her own mouth. She has told it me repeatedly. She was a woman of perfect veracity, and very good sense. She appealed to her servants and family for the truth ; nor did she, indeed, seem to be sensible that the matter was so extraordinary as it appeared to me. I wrote it down at the time, and I have the memorandum amongst my papers.

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". The Contesse de Laval had been observed by servants, who sate up with her on account of some indisposition, to talk in her sleep a language that none of them understood; nor were they sure, or, indeed, herself able to guess, upon the sounds being repeated to her, whether it was or was not gibberish.

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whether it was no groutent. "Upon her lying-in of one of her children, she was attended by a nurse who was of the province of Britanny, and who immediately knew the meaning of what she said, it being in the idiom of the natives of that country; but she herself, when awake, did not understand a single syllable of what she had uttered in her sleep upon its being retold to her. " 'She was born in that province, and had been nursed

......

in a family where nothing but that language was spoken; so that in her first infancy she had known it and no other; but, when she returned to her parents, she had no opportunity of keeping up the use of it; and, as I have before said, she did not understand a word of Breton when awake, though she spoke it in her sleep. "'I need not say that the Contesse de Laval never

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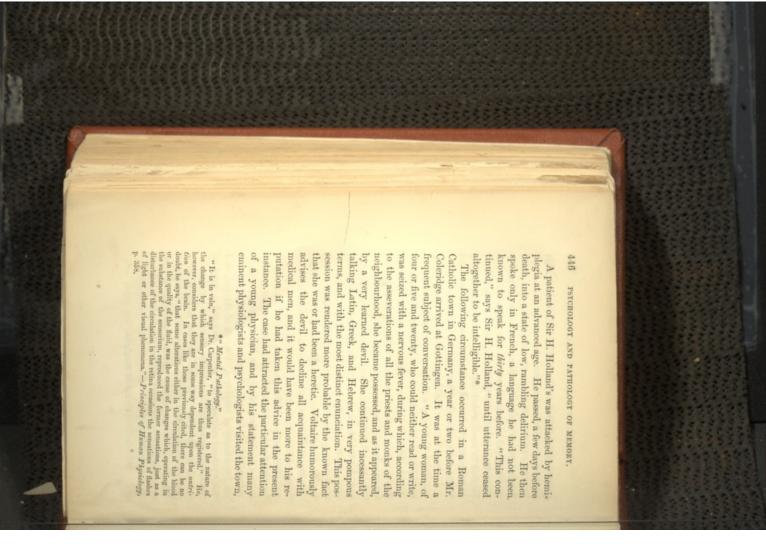
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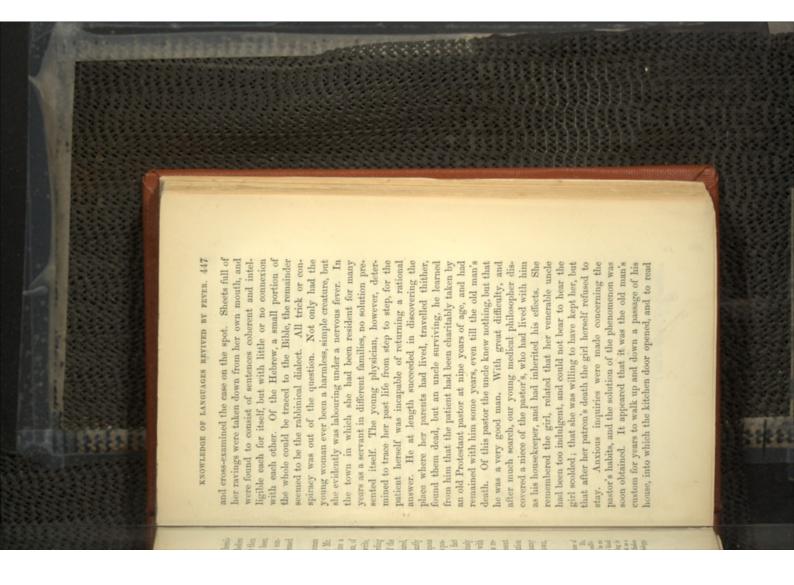
"'I need not say that the Comtesse de Laval never said or imagined that she used any words of the Breton idiom more than were necessary to express those ideas that are within the compass of a child's knowledge of objects, &c.''**

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· " Ancient Metaphysics."



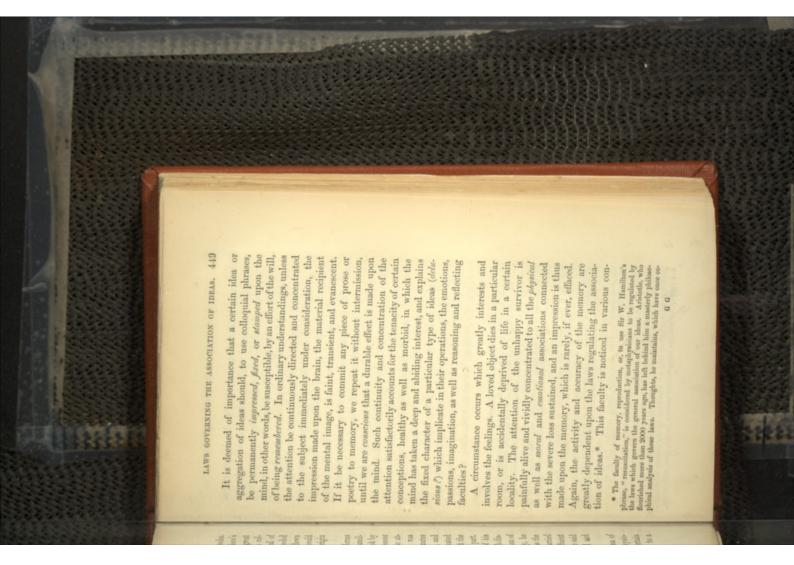


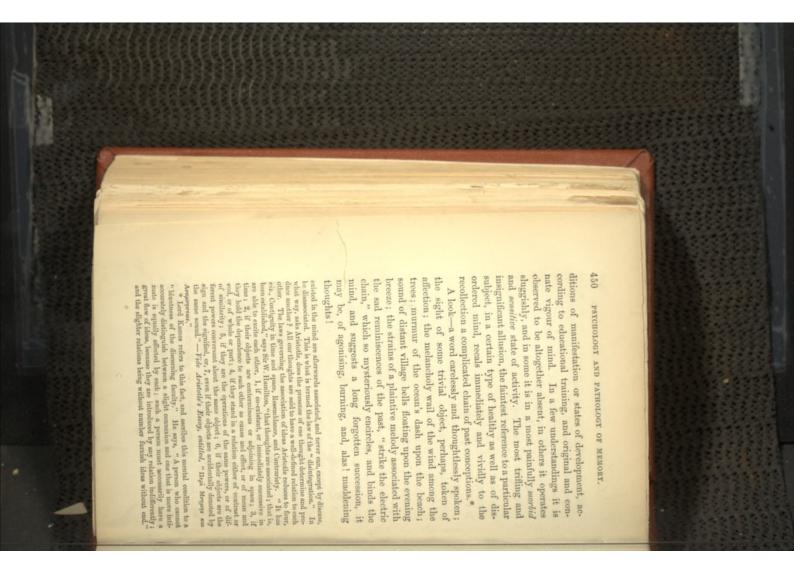


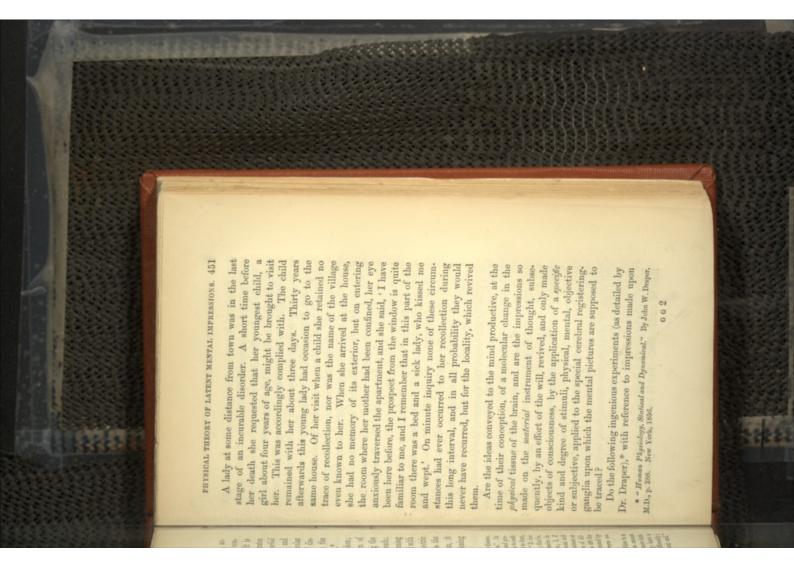
to himself with a loud voice out of his favourite books. A considerable number of these were still in the nicce's possession. The pastor was a learned man, and a great Habruic scholar. Among the books were found a collection of rabbinical writings, together with several of the Greek and Latin authors, and the physician succeeded in identifying so many passages with those taken down at the young woman's bedside, that no doubt could remain in any rational mind concerning the true origin of the impressions made on her nervous system."

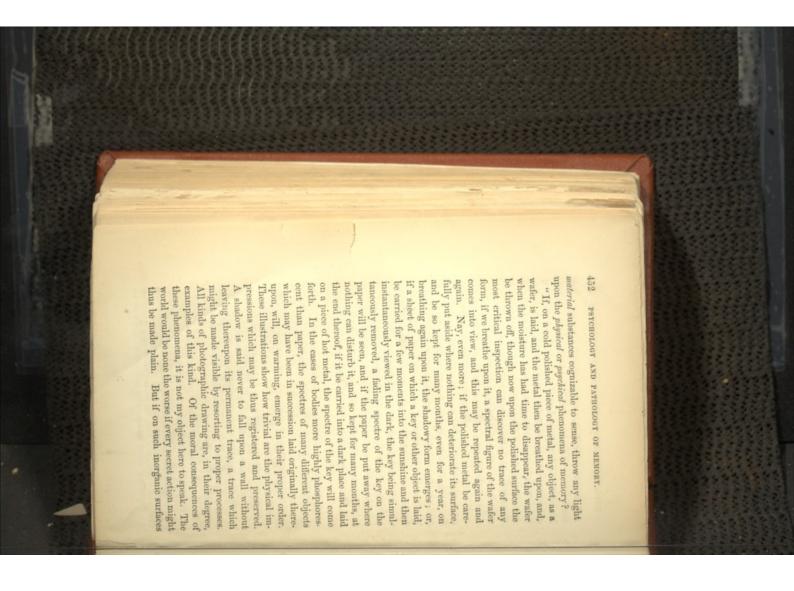
events, so that he carried on from night to night the after falling asleep, he began to speak distinctly, and tack, in consequence of which a singular change was from Human Life." " A young man had a cataleptic atton quotes a singular illustration from a German book by Abel, entitled, "A Collection of Remarkable Phenomena of somnambulism as well as of catalepsy. Sir W. Hamila dream." same history or, rather continued to play the same part. almost always of the same objects and concatenated effected in his mental constitution. Some six minutes common dreaming. Be this, however, as it may, he tinguishes this as rather a case of somnambulism than of On awakening he had no reminiscence whatever of his in regard to his waking state, he declared it unreal and poor apprentice of a merchant ; by night he was a married played a double part in his existence. By day he was the dreaming thoughts, a circumstance, by the way, which discircumstances. If, during his vision, anything were said man, the father of a family, a senator, and in affluent Analogous phenomena are observable in some forms

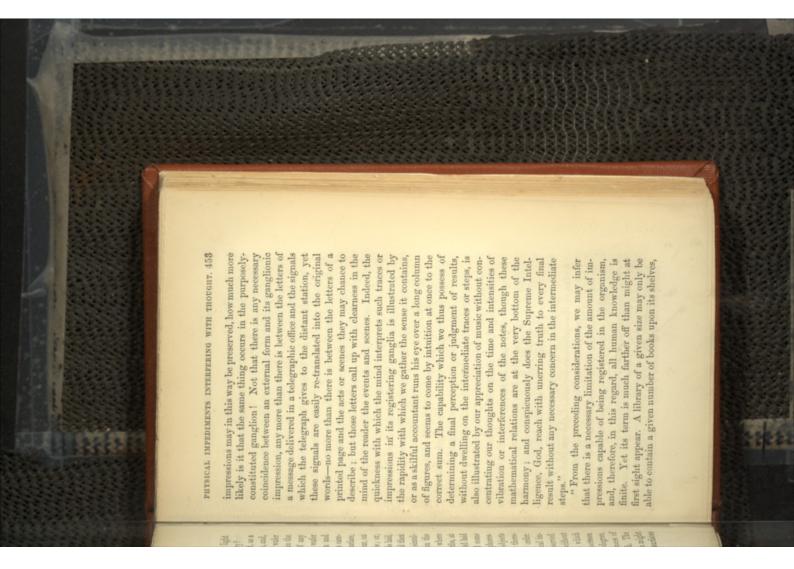
But, reverting more particularly to the phenomena of memory, I would ask, how are we to explain physiologically the *modus operandi* of attention in fixing certain impressions on the mind? Is the fact referable to a *mechanical* or *psychical* law?

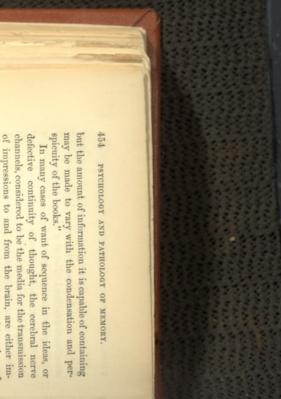








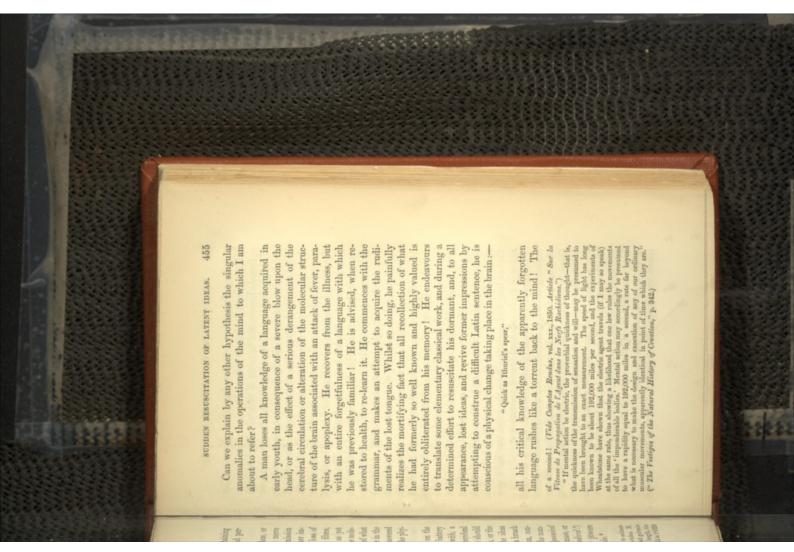




In many cases or wantor sequence in our access, or defective continuity of thought, the cerebral nerve channels, considered to be the media for the transmission of impressions to and from the brain, are either impervious to their free passage, or there exists a loss of *efferent* conducting power in the central nerve fibres, arising (most probably) from some subtle and as yet unexplained, *mal-autrition*, morbid change in the molecular portion of their tissue, abnormal condition of what is termed the *polarity* of the nerve force, or change in the *chemical* constitution of brain matter not yet discovered in the laboratory, and at present inexplicable to the physiologist and pathologist.

Comparing the aggregations of grey matter on the hemispherical surface of the brain to a galvanic battery placed at the extremity of, or in connection with, a number of *electric* wires (the white or medullary verebral hecome deranged, and not be in healthy condition, or the *battery* (the brain) itself be out of order, that the ideas cannot be freely transmitted (in consequence of a breach of continuity in the channels of communication, conducting, or *efferent* nerve tubes) in obedience to the mandates of volition, originating in the primary *dynamical* centre of the *cineritions* portion of the cerebral mass, or that the impressions made by the feeble (*disordered ?*) efforts of the mind upon the motor and sensor powers may be faint, confused, or altogether unintelligible.*

* An attempt has been made by carefully executed experiments to estimate the rapidity with which the electric current passes along the nerve-tubes. M. Hichmholtz has, by means of an ingenious and delicately constructed guivant apparatus, assoriated that in a nerve of 50 to 60 multimetres length, the time required for the transmission of nerve force was from 0.0014 to 0.0020

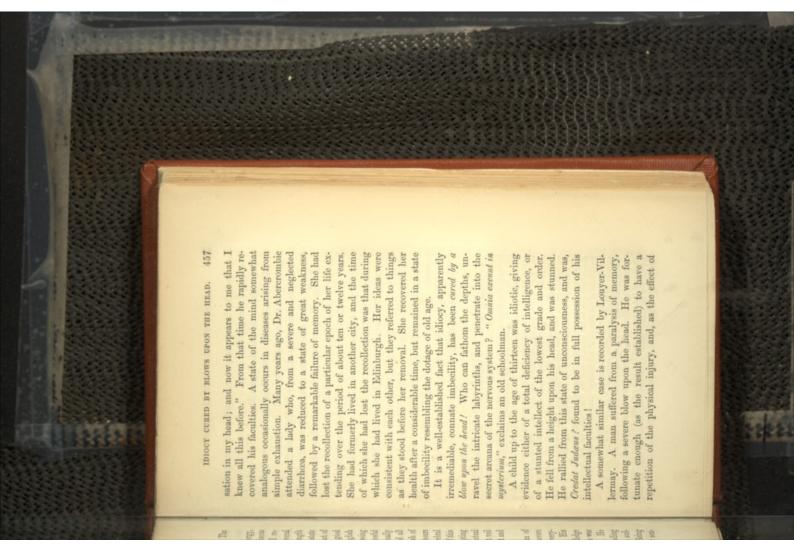


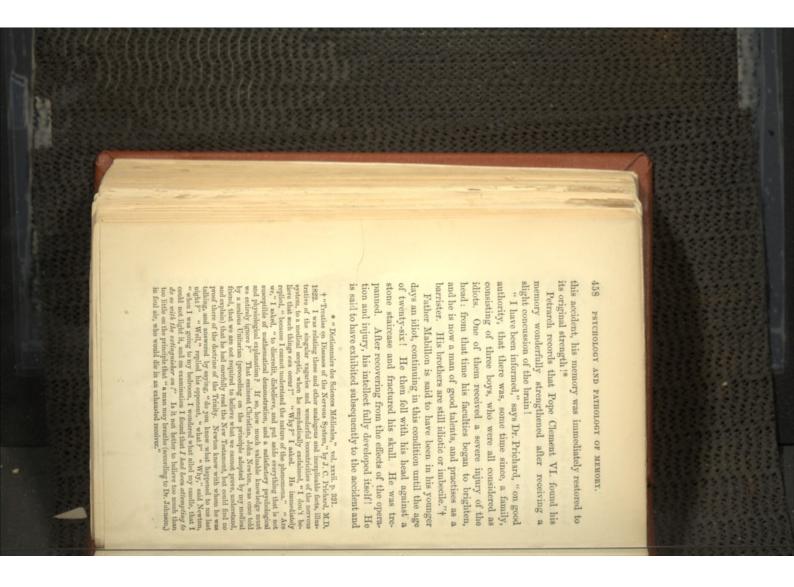


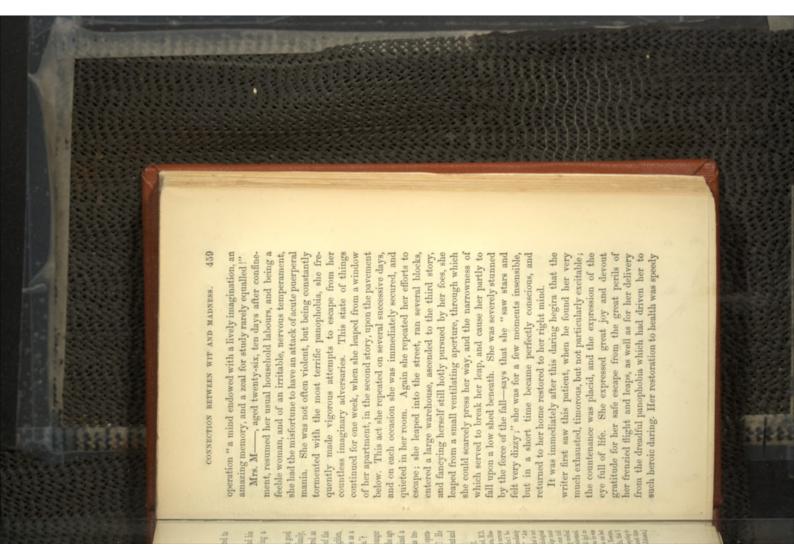
preceding illustration is *not* an hypothetical one. The following is an analogous case :----

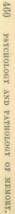
days he remained utterly unconscious, and at length ceived a violent concussion of the brain. For several of sound education, while riding through his mountainous gentleman's memory was experienced whilst attempting as a pastor, and has suffered no symptom of cerebral culture. For several years he has continued his labours its wonted vigour, and its former wealth and polish of study, the rich storehouses of memory were gradually unlocked, so that in a few weeks his mind resumed all very satisfactorily, when, after several months' successful man again, but now in middle life, commenced his English Caspar Hauser, after his long sequestration. The good like that of a naturally intelligent child, or like that of parish, was thrown violently from his carriage, and rethat so long had excluded from the mind the light and effort well adapted to test the penetrability of that veil the mastery of an abstruse Greek author, an intellectual disturbance. The first evidence of the restoration of this and classical studies under tutors, and was progressing when restored, his intellect was observed to be in a state riches of its former hard-earned possessions. Rev. J. E-, a clergyman of rare talent and energy,

A clergyman, about thirty years of age, a man of learning and acquirements, at the termination of a severe illness, was found to have lost the recollection of everything, even the names of the most common objects His health being restored, he began to re-acquire knowledge like a child. After learning the names of objects, he was tanght to read, and after this, began to learn Latin. He had made considerable progress, when, one day in reading his lesson with his brother, who was his teacher, he suddenly stopped, and put his hand to his head. Being asked why he did so, he replied, "I feel a peculiar sen-









and complete, and there has been no recurrence of any symptom of mental aberration.*

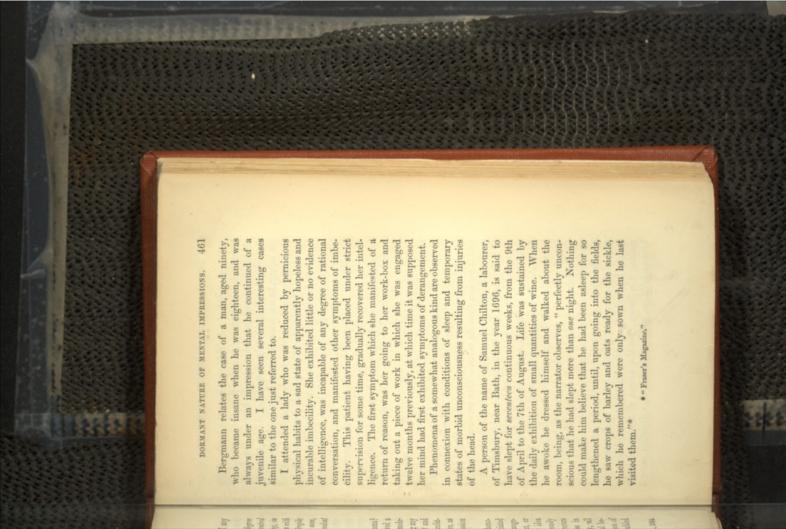
The previous illustrations establish: 1, To what degree the mental operations are under the dominion and control of the nervous matter of the brain; 2, how triffing, in some cases, is the PHYSICAL obstruction that interferes with the healthy ACTION OF THOUGHT; and 3, how fine and fragule is the line that separates the SANE from the INSANE man, the babbling, drivelling IDIOT from the man of transcendent GENIUS. Well may it be said,

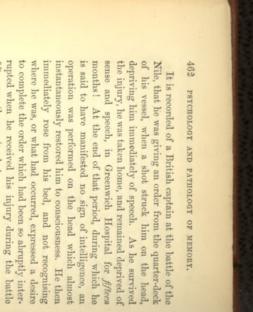
"Great wit to madness nearly is allied, And THIN FARTITIONS do their bounds divide."

What is the solution of the preceding phenomena? Have the blows upon the head suddenly removed a *mechanical* entanglement, or derangement of the molecular portion of the brain structure, thus dislodging any obstructions that may have existed in the *afferent* and *efferent* nerve-tubes interfering with the free and unfattered *current* of psychical, sensorial, and motor force, as well as with the reception of *peripheral* and transmission of *mental* impressions?

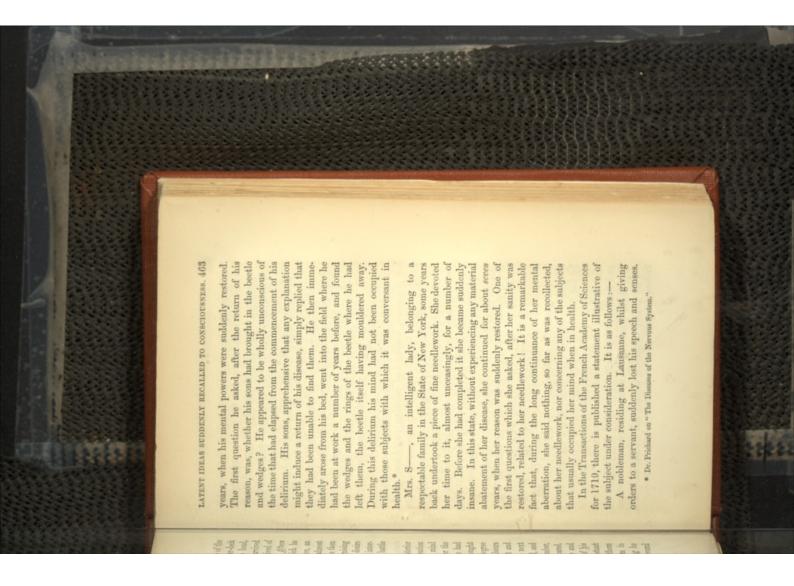
Analogous singular inexplicable psychical phenomena are observed in affections of the brain associated with insanity. A man is seized with mental derangement whilst engaged in some manual employment, or when occupied in the contemplation of a particular idea or class of ideas. He recovers, and contemporaneously with his restoration to mental health, the mind recurs immediately to the train of thought or business in which it was engaged when seized with insanity, all notion of *duration* being annihilated, the interval between the first moment of seizure and the restoration of reason appearing like a blank, or analogous to a troubled and distressing dream.

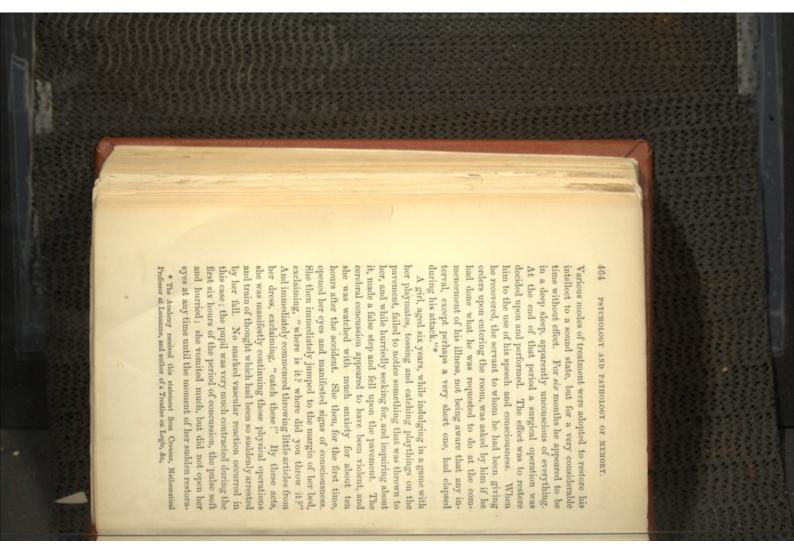
* Dr. Elisha Harris, in " New York Journal of Medicine " for Sept., 1854.

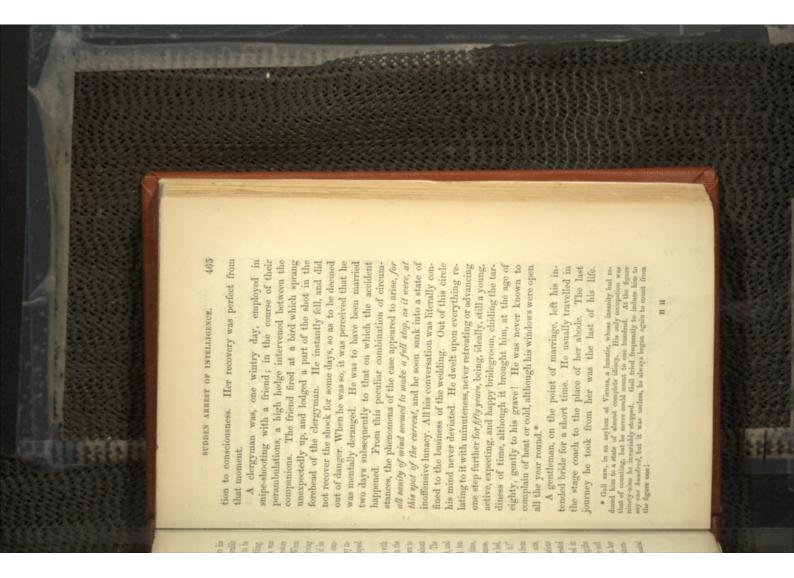




making the fence. In the course of the evening he to get up early the next morning, to assist him in sons had been at work through the day in a distant out of which the posts and rails were to be prepared. rail fence, which he was to commence making the next engaged him to enclose a piece of land with a post and of melancholy. In this situation one of his neighbours sold it for less than its value. This persuasion brought of purchasing another in a different town. His mind wedges into a hollow tree, and went home. Two of his On finishing this day's work, he put his beetle and day. At the time appointed he went into the field, and on dissatisfaction, and eventually a considerable degree sale of his farm, he was induced to believe that he had fifteen months previously ! became delirious, and continued in this situation several part of the same field. On his return, he directed them began, with a beetle and wedges, to split the timber, was naturally of a melancholy cast. Shortly after the town in New England, sold his farm, with an intention A farmer, of fair character, who resided in an interior







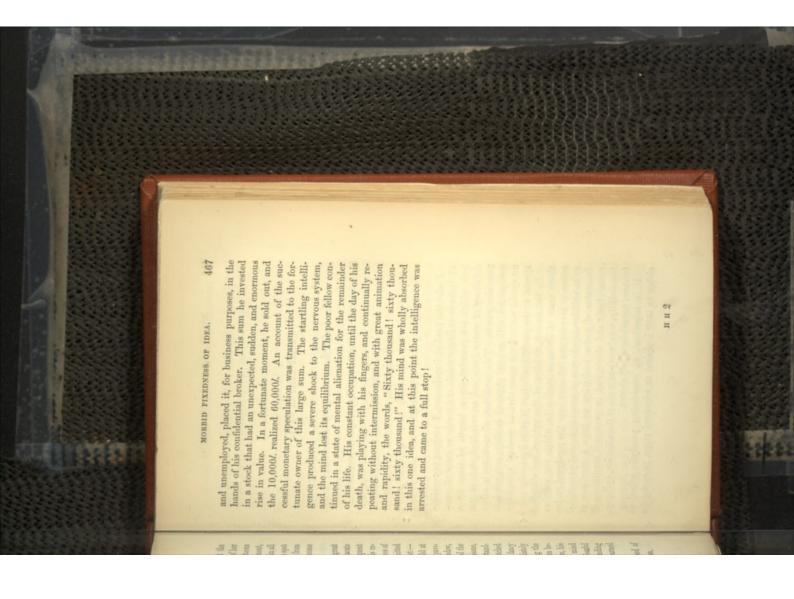


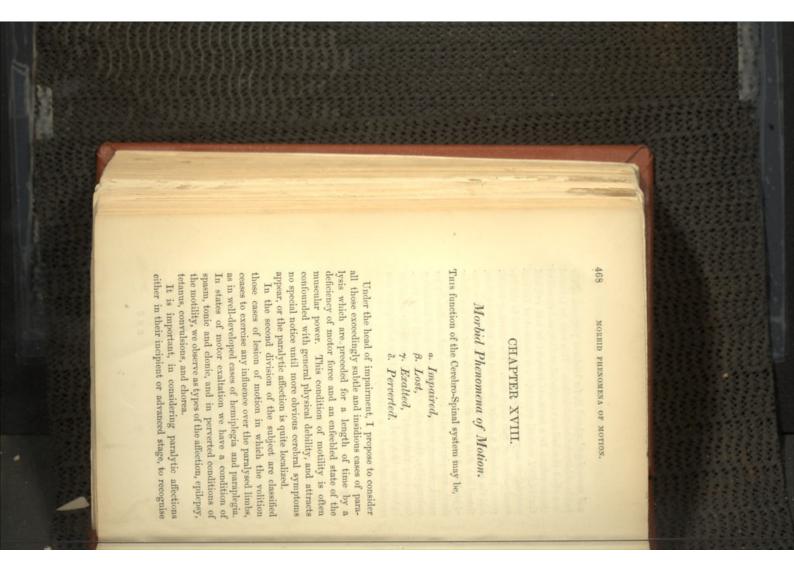
Anxiously expecting his return, she went to meet the vehicle. An old friend announced to her the death of her lover. She uttered an involuntary scream and pitcous exclamation, "He is dead!" From that fatal moment, for *fify years*, has this unfortunate female daily, in all seasons, traversed the distance of many miles to the spot where she expected her future husband to alight from the coach, uttering in a plaintive tone, "He is not come yet—I will return to-morrow."*

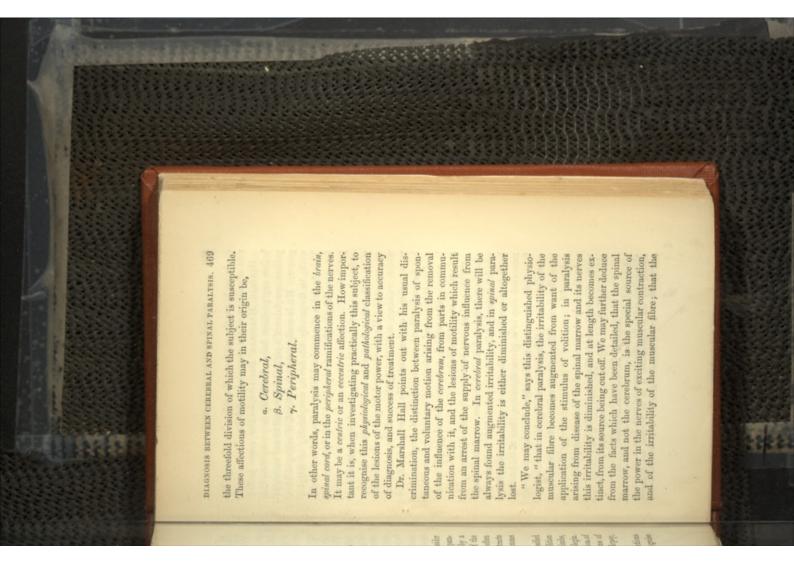
Garrick's King Lear is said to have been this great tragedian's masterpiece. His delineation of the acute mental sufferings of the unhappy monarch, consequent upon a recognition of his daughter's ingratitude, is recorded as one of the most terrible and natural pieces of acting ever witnessed upon the stage. Garrick admitted that he owed his success in Lear to the following fact:— A worthy man, whilst playing with his only child at an open window, accidentally let it fall upon the pavement beneath. The poor father remained at the window, screaning with agony, until the neighbours delivered the child into his arms a corpse! He instantly became insame, and from that moment never recovered his understand-

an open window, accidentally let it fall upon the pavement beneath. The poor father remained at the window, screaming with agony, until the neighbours delivered the child into his arms a corpse! He instantly became insane, and from that moment never recovered his understandling! He passed the remainder of his long and wretched life in going to the window and there playing in fancy with his child, then appearing to drop it, immediately bursting into a flood of tears, and for a while filling the house with his wild and unearthly shrieks. He then became calm, sat down in a state of profound gloom, his eyes fixed for a long time on one object, and his mind intensely absorbed in the contemplation of a fearful image. Garrick was often present at this heartrending scene of misery, and "thus it was," he said, "I learned to imitate madness.".

A young gentleman having 10,000% undisposed of * This case is related in the "Monthly Mirror," for August, 1799.









470

cerebrum is, on the contrary, the exhauster, through its acts of volition, of the muscular irritability."

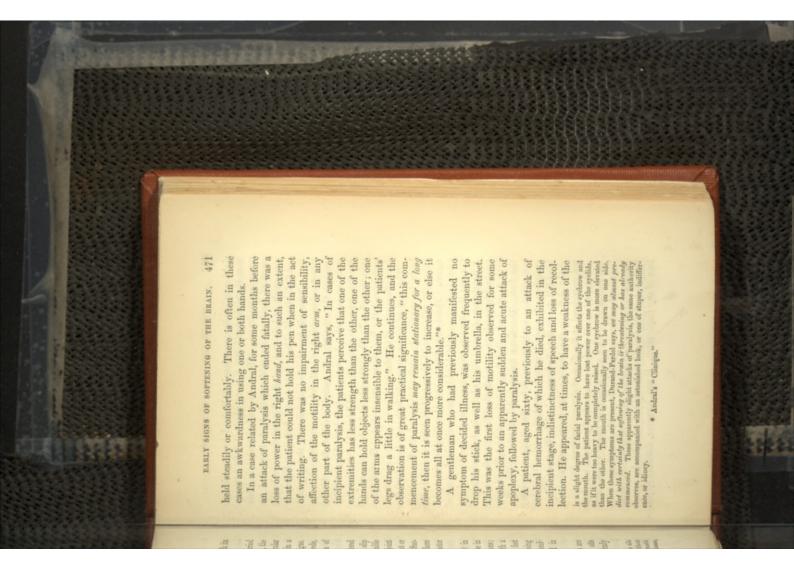
GENERAL MUSCULAR DEBILITY. — For some period before any positive *lesion* of motility is perceptible, the patient complains of a *general* failure and loss of muscular power. He is easily tired; is obliged, if engaged in a walk, to frequently sit down, complaining of fatigue. This condition of muscular debility is observed to precede, for some length of time, any *local* or *specific* form of paralysis.

As the affection of the brain, involving a disordered state of the motor *force* advances, the patient's feet slip on one side. He is observed frequently to stamble whilst walking, as if the ligaments of the ankle-joint were weakened or elongated. He cannot put his foot or leg forward without an *obviously conscious effort*. Succeeding this general deficiency of muscular power, there is occasionally noticed a want of *local specific* motor strength in one of the limbs.

"The patient experiences a greater difficulty in executing forced and limited movements, than those in which he merely follows the impulse of his inclinations; he finds it much more laborious to walk slowly, with a measured step in a given direction, than to let his feet take their own course; rising from the chair, or going up stairs, is more difficult than sitting down or descending; the next difficult matter is to turn round in walking."*

In the early stage of cerebral disease, complaints are made of a weakness in the arms, hands, legs, or in one side of the body.⁺ Objects cannot be grasped, or firmly

* Romberg. Dr. Sleveking's translation. + Dr. Fuch states a sudden loss of power in the extremities of one side while walking, so that the patient is compelled to sid down or fall, without suffering any loss of concisionness, to be an important and diagnostic symptom of softening of the brain. Among the early symptoms of this disease,

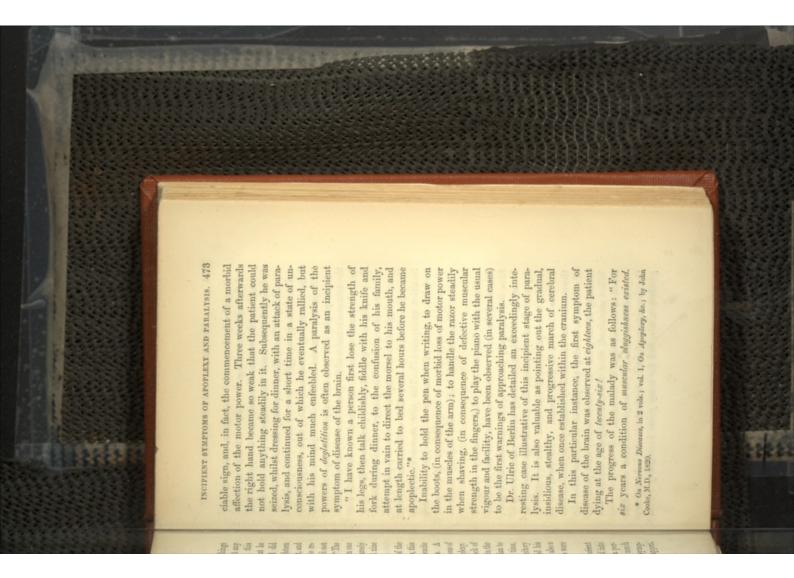




right arm, being occasionally observed to drop things from the right hand, but did not admit that he felt any muscular weakness. He made no complaint in this stage of headache or giddiness, but admitted that he was weak and in an exhausted condition, and did not feel himself able to bear much fatigue. Eighteen days afterwards he exhibited confusion of thought, and when endeavouring to write a letter, was obliged to relinquish the attempt. He complaned that he could not make sense of what he was engaged in writing. "The words as he wrote them appeared," he said, " to run one into the other." The letter when finished was scarcely legible, and the lines were very crooked. He died nine days afterwards of apoplexy.

alarm. brain is occasionally confined to one of the fingers, this symptom of paralysis was observed, the patient said his but about a week or ten days after this premonitory the fact. There was no marked headache at the time, little finger, and called the attention of his physician to cerebral hemorrhage, complained of loss of motion in the A gentleman, for some months before he had an attack of the first threatening symptoms of paralysis and apoplexy. being the only appreciable symptom calculated to excite not considered at the time of any consequence. slight defect in the hearing; but these symptoms were head felt as if it were " a lump of lead." partial affection of this kind has been recognised as one of The loss of motor power in incipient disease of the These are curious and inexplicable cases. A There was also a

For two months before an attack of paralysis a patient was unable to swallow with facility or put any liquid into his mouth without slabbering himself, or spilling a portion on the table or on his clothes. This caused much irritation at the time, but it was not considered a symptom of any importance. It was, however, the first appre-

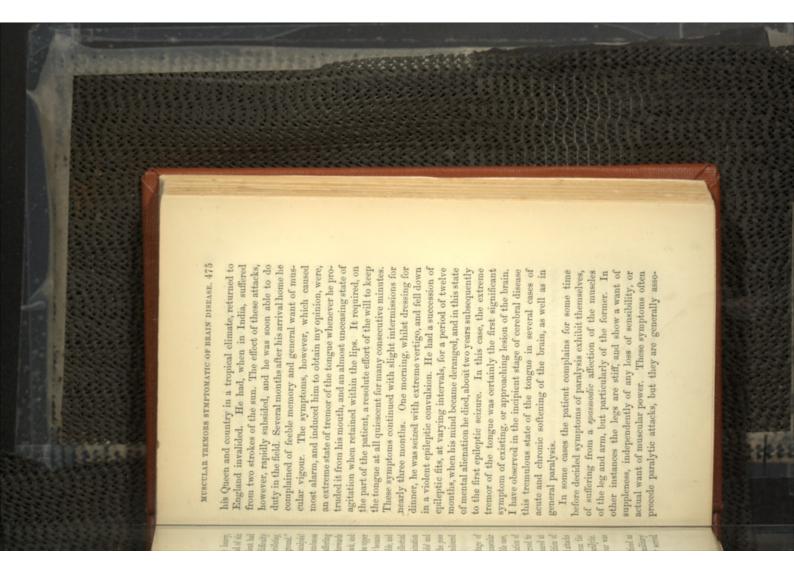




and lower extremities. The paralysis ultimately became of walking. The gait subsequently became vacillating, and the feet appeared glued at every step to the ground." red the paraplegia was converted into paralysis of the upper and paraplegia. He next was subject to cramps affecting "The patient then was attacked with a general numbress Important and significant incipient symptom of paralysis! and the motor power began to fail. At the end of six This gradually increased. The limbs became heavy, varolii. olivary bodies, as well as of the left half of the pons revealed a state of softening of the pyramidal and faculties unimpaired !" The post mortem examination the extensor muscles of the great toes. A year afterwards diplopia and strabismus. Then followed great difficulty years, the sight became obscured, and the patient had the patient is said to have died with his intellectual general, deglutition and respiration were impossible, and he had tetanic spasms of the muscles of the back, and The restiform bodies were slightly coloured

Muscur.a. The mono--In the precursory stage of disease of the brain, a tremulous state of the muscular fibre is occasionally observed. In one remarkable case, for nearly a fortnight previously to the manifestation of any *acule* head symptoms, the patient was observed to have a tremulous state of the hand. He appeared at the time otherwise in good health. This condition of the muscles was succeeded by violent paroxysmal attacks of headache, causing the patient to scream from the intensity of the pain. He subsequently died paralytic. When examined, after death, a malignant tumour was found in the substance of the brain. A tremulous state of the tongue has been noticed as

ch the forerunner of acute cerebral attacks. A military gentleman, who had for many years honourably served



MORDID PHENOMENA OF MOTION.

476

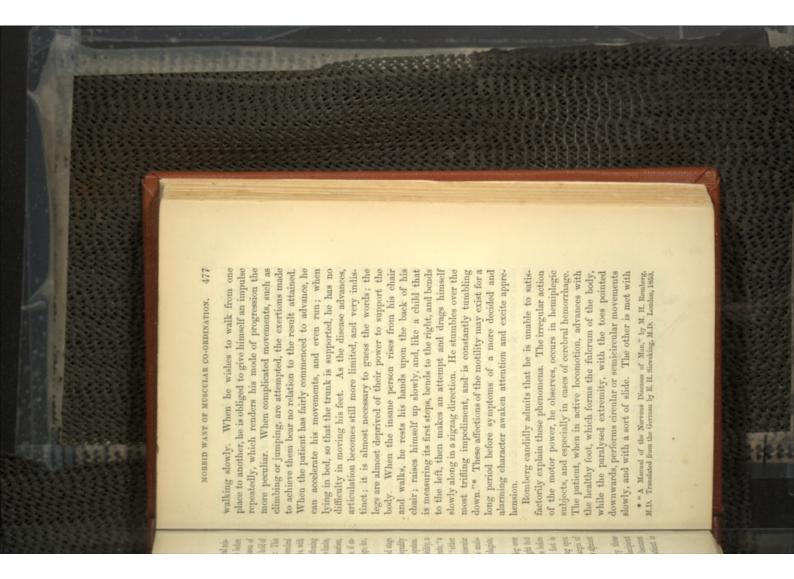
eated with other characteristic evidences of cerebral mischief. I have known a patient for some months before an attack of hemiplegia complain of acute spasm of muscles of the calf. Occasionally the spasm seizes hold of muscles of the eleg, which becomes quite *tetanic*. This symptom is observed in the early stages of acute cerebral *irritation*, connected in some cases, but not always, with organic disease of the nature of inflammatory softening of the brain. A sensation of slight stiffness of the limbs, combined with pain, analogous to that of rheumatism, spasm, and convulsive twitching of the muscles, if accompanied by headache, mental confusion, vertigo, &c., should never escape careful medical observation. Irakteur. Muscur. A crow.—In the second stage

IREEGUAR MUSCUAR ACTION.—In the second stage of disordered motility, the patient exhibits an inequality and unsteadiness in the action of the muscular system. There is an absence of co-ordination in the motility, a want of consentaneousness in the motor movements, "a disturbance," to quote the language of Romberg, "either in the antagonism, or in the symmetrical muscular balance." This condition of the motor power is analogous to that affection termed by the French pathologists,

The patient in walking always crosses one leg over the other. For example, he places the right foot invariably before the left, and the latter again before the right; in doing this, the front of the foot is turned inwards, the individual generally stepping upon his toes, and but rarely upon the external margin of the entire sole; the large toe of one foot strikes against the Achilles tendon of the other.

Paralysie croisée.

Romberg has described with great accuracy these affections of motility. When alluding to the incipient signs of brain disease, he says: "the guit becomes tottering and insecure, especially when the patient is





complete immobility, and has been accurately described by Gölis. in hydrocephalic patients, before the supervention of

opposite side. This symptom occasionally exists to so slight a degree, that it may be present for some time of locomotion. directed to the state of the muscular system and powers and be unnoticed, unless the attention were particularly his legs, as if it were heavier than the one on the When engaged in walking the patient drags one of

a drunken man, as if he had entirely lost his balancing power. In cases of approaching general paralysis, this in the earlier as well as in the more advanced stage of muscular system are allied to the phenomena observable slightly inebriated. These irregular actions of the symptom is often observed in a remarkable degree. The Chorea. gestures, gait, and walk closely resemble that of a man The patient is often seen to roll himself about like

pies a prominent position. all its varied types and degrees of manifestation, occuvulsion. Among this class of affections, epilepsy, in muscular fibre generally grouped under the head, conirregular and morbid states of the motor power or CONVULSIVE ACTION .--- I have now to consider those

This disease admits of a threefold division, viz. :

a. Epilepsy.

(With violent muscular movements.)

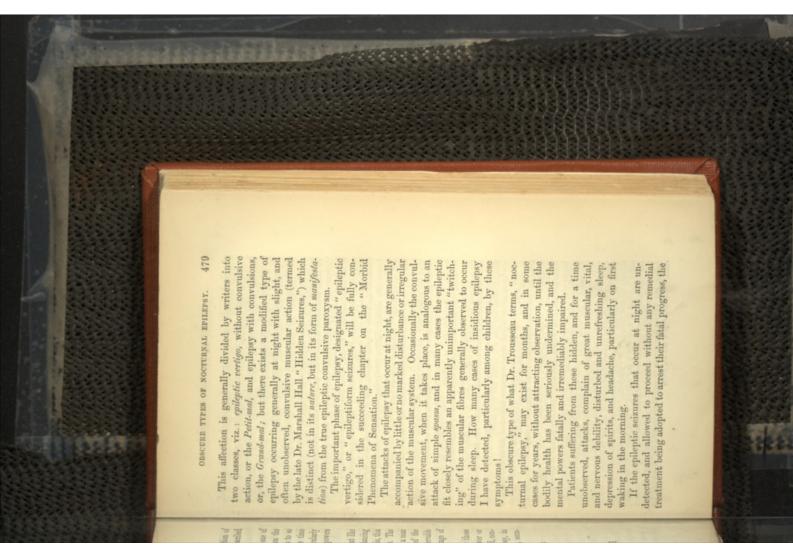
β. Epilepsy.

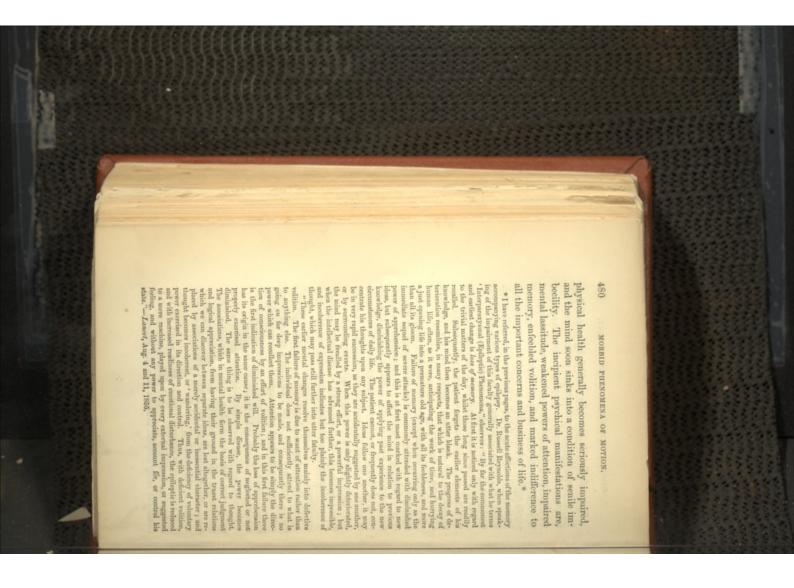
(Nocturnal in its character, and accompanied

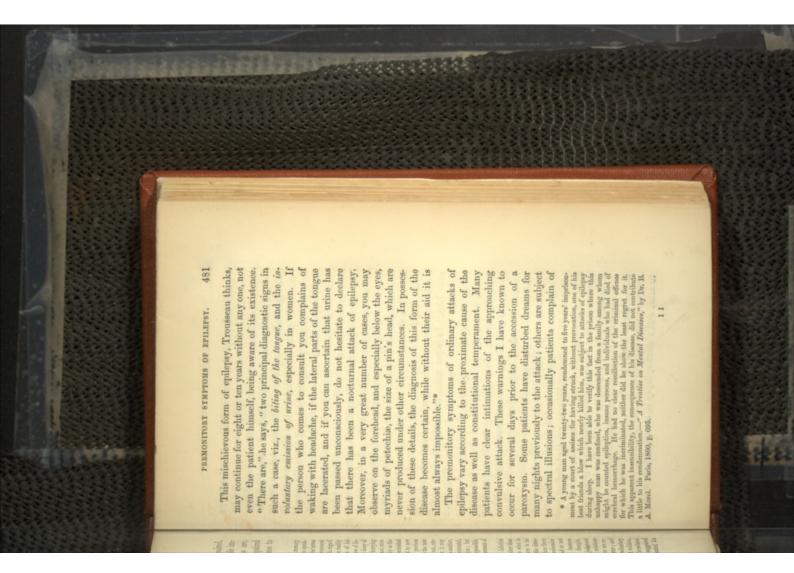
with slight muscular convulsion.)

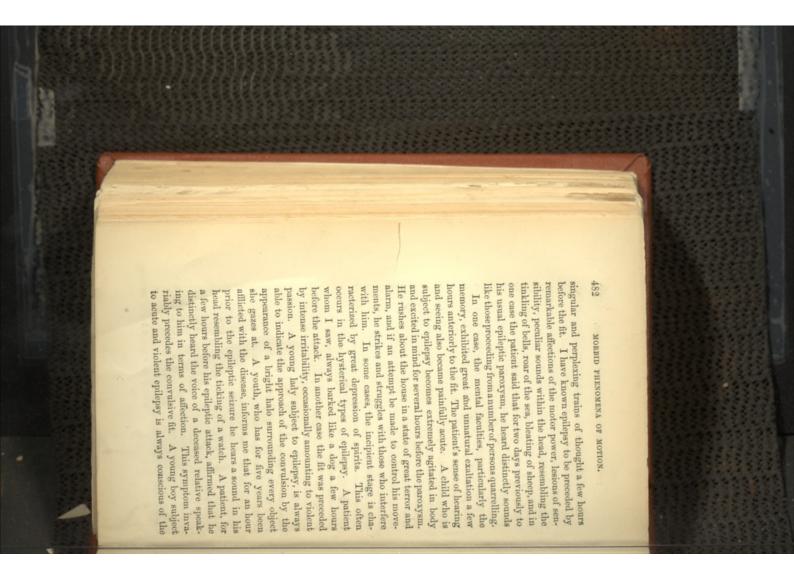
v. Epileptic Vertigo.

(Without muscular convulsions.)









483 approach of his attacks by a curious perversion of the with has a putrid odour, similar, as he describes it, to "a sense of smell. Everything that he comes in contact dead body in an advanced state of putrefaction." In arising from an exalted condition of the functions of another case, the sense of touch is painfully acute, FREMONITORY SYMPTOMS OF EPILEPSY.

"On the eve of a fit," says Dr. Radcliffe, " confirmed epileptics are noticed to sit or move about in a moping and listless manner; to complain of chills and shiverings, or of faintness and sickness. The respiration is interrupted by frequent sighs; the pulse is ache, dazzling of the eyes, singing in the ears, and other dilatation of the pupils, and extreme irritability of weak, irregular, and slow. Occasionally there are headexcitements of sensation; slight flushing of the face, temper. In some rare instances, there is, immediately before, or at the commencement of, the attack, a phesensibility preceding the epileptic seizure. nomenon of a more specific nature."

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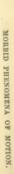
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Foville, when speaking of the premonitory signs of of cold, pain, heat, or itching, is developed suddenly in a toe, a finger, a limb, in the belly or the back, and from the point whence it originates, mounts gradually to the epilepsy, remarks, that "a peculiar sensation, it may be head. When it arrives there, the patient immediately falls (as if struck), and the convulsions break forth at once. This sensation has received, from the earliest times, the name of awra epileptica. It is rare, so much by others, explained in a different manner." Dr. Herpin so, that by many its existence is doubted or ignored, and considers this aura as nothing more than the commencement of a tonic spasm of the muscles of the limb.

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Dr. Radcliffe asserts that premonitory symptoms are constantly to be observed in this disease. Professor Romberg notices them in about one-half of his patients.

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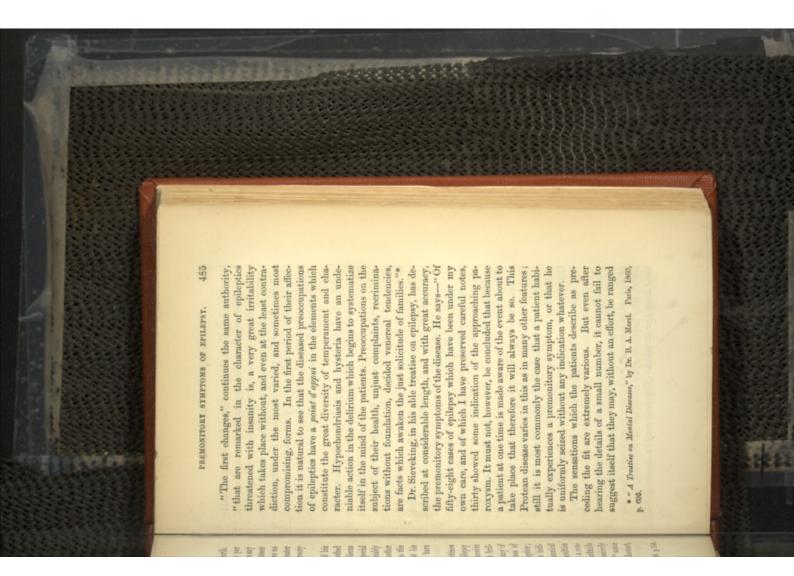
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M. Herpin states the proportion to be about one-fourth. M. Georget affirms that not more than four or five per cent. of those attacked with an epileptic seizure have any premonition; M. Beau gives the proportion of seventeen per cent. M. Foville, Esquirol, and Dr. Cheyne give no numerical ratio, but state that in much the greater number of cases of epilepsy there are no precursory

symptoms. "A young epileptic at the moment of invasion of his fit perceived, exclusively with the left eye, a toothed wheel, the centre of which was occupied by a hideous figure. In some cases of epilepsy there may be a special premonition. In one of my patients, the fit is invariably preceded by an intense feeling of hunger. In another patient, since insame, a little blue imp perched upon the table, and moped and mocked at him as he lost his consciousness. In a third, a guitar seemed to have been roughly grated near the ear."

among the young. A wonderful aptitude to conceive things quickly, to examine them under their most brilsignalised," says Morel, "the commencement of epilepsy several men of great genius who have been epileptics; them. History has transmitted to us the names of liant and poetical aspects, has been exhibited by many of of epileptics, the possibility of applying them in a conpassions. The full and entire preservation of the faculties viduals have been the victims of the most tyrannical but, as the late Dr. G. M. Burrows remarks, these indi-Petrarch, &c." exceptions to this rule, such as Caesar, Mahomet, rare." "There are, however," says M. Sandras, " some for their grandeur and continuity, are facts excessively tinuous manner to the execution of designs remarkable "Remarkable intellectual activity has sometimes

* Dr. Radeliffe on " Epilepsy, and other Convulsive Affections," 1858. p. 144.





the sensations of the patient not generally acting upon the sensorium in such a way as to produce illusions of the fantastic kind just described. With this exception, we may say that there is scarcely an impression referrible to the nerves of common or muscular sense, or of the special senses, which does not occasionally indicate the approach of an epileptic fit. The premonitory symptom is generally accompanied by a sense of fear and terror. One of my patients described the sensation, which in him passed from the stomach to the head, as of a pleasing character. Children particularly show the alarm they experience by running to and clinging to their nurses or mothers. The aura may be an undefined

487 FREMONITORY SYMPTOMS OF EPILEPSY.

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sense of indisposition or discomfort; it may be a definite racterized by the passage of a peculiar sensation from some part of the body to the throat or head. In the case of the last we would specially observe that authors pain, giddiness, or suffocating feeling; or it assumes the more classical form described as an aura, which is chacommonly state that when the aura, or sensation reaches to us that the patients refer the termination to the assume a more tangible form, and one that makes itself throat. With some patients the premonitory symptoms the head, the insensibility ensues; it has rather appeared perceptible to bystanders.

body except the face, of the vitiligo alba.' The same paroxysm preceded by an eruption over the whole author states 'that in twenty-one epileptics treated in announced the paroxysm in seven.' Symptoms that may be termed objective have presented themselves to me in the form of tremors, cough, sickness, rigors, and a paroxysm was indicated by a peculiar blue colour of the the clinical wards of the hospital at Wilna, vomiting shaking of one hand. lips.

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and a state of

quaint Latin, "Solebat, quum duos vel tres passus pro-gressus esset, sese inflectere quasi in circulum, idque "Schenck relates a case of epilepsy which came under his own observation, in which the patient, before the seizure, was repeatedly turned round in a circle, and then fell to the ground in an ordinary paroxysm, 'magna astantium commiseratione.' Peiroux (quoted by Tissot) mentions a man who, before becoming unconscious, was ness was very brief, and he at once rose up again as if nothing had occurred. In Schenck we also find the account of a man, aged thirty, of whom it is said in rather compelled to run backwards ten steps; the unconscious-

" Dr. Cooke relates a case in which the approach of a 'Frank,' as related by Dr. Copland, 'saw the

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almost become stupid."+ ensues, and a sense of faintness; she then runs till she one of them briefly here :---" Rebecca Cole, atatis 16, antiphlogistic remedies, and antispasmodics. They are marked instances, which were both cured by venesection, then ceased. Such cases as those related by Schenck continenter facere compulsus erat." This patient suband dizzy; and now, by frequent returns of them, is The fit being over, she trembles, is faint, sick at stomach, at first, after which she lies still, and gradually recovers. meets with some resistance, then falls down, struggles which makes her hang it down ; then a tremor all over before her seizures first perceives a weight in her head, siva," under which term Dr. Andree* details two welland Peiroux have received the name of "epilepsia cursequently became epileptic, and the peculiar movements instructive and well told, so as to justify our inserting

often this symptom has been observed as the avant from the mouth, and, occasionally, he cannot do so at strength. The patient is observed to have lost, to a tongue often gives evidence of a deficiency of muscular paralysis? courier of fatal attacks of apoplexy, softening, and be tremulous, and turned slightly on one side. How of softening. Occasionally the tongue is observed to cursory of severe attacks of cerebral disease, particularly nexion with other signs of flagging motility, as preall. I have frequently noticed this symptom in condegree, the power of protruding it rapidly and freely MOUTH .-- In the premonitory stage of paralysis, the AFFECTIONS OF THE TONGUE, AND MUSCLES OF THE

In the early stage of general paralysis, the tongue

"Cause of Epilepsy, Hysteric Fits, and St. Vitas's Dance," by John Andree, M.D. London, 1746.
 "On Epilepsy and Epilepiltorm Sciences," by E. H. Sleveking, M.D. 1888.

INSIDIOUS SYMPTOMS OF PARALYSIS. 489

occasionally presents an hypertrophied appearance. It looks large and flabby. I have often noticed this symptom associated with softening, and other organio lesions of the brain, but it is more particularly characteristic of cerebral paralysis.

How apparently slight and insignificant are occasionally the most important of the early signs of organic disease of the brain? An inability to forcibly eject saliva from the mouth, in consequence of a slight paralysis of the *obicularis oris* and *buccinator* muscles preceding more marked and decided symptoms of cerebral disorder, has been known to indicate serious alterations in the structure of the brain!

Dr. Watson details at length a deeply interesting case of paralysis connected with cancer of the brain, in which the following were the incipient symptoms: "The patient found, when he came down stairs on the morning after he was then ill, *that he could not spit as usual*, and his friends observed an unusual state of his features. He had no fit, nor loss of consciousness, but the paralysis was first noticed, he had some numbness and tingling in the right arm, extending to the last two fingers. He was deaf in the right ear."*

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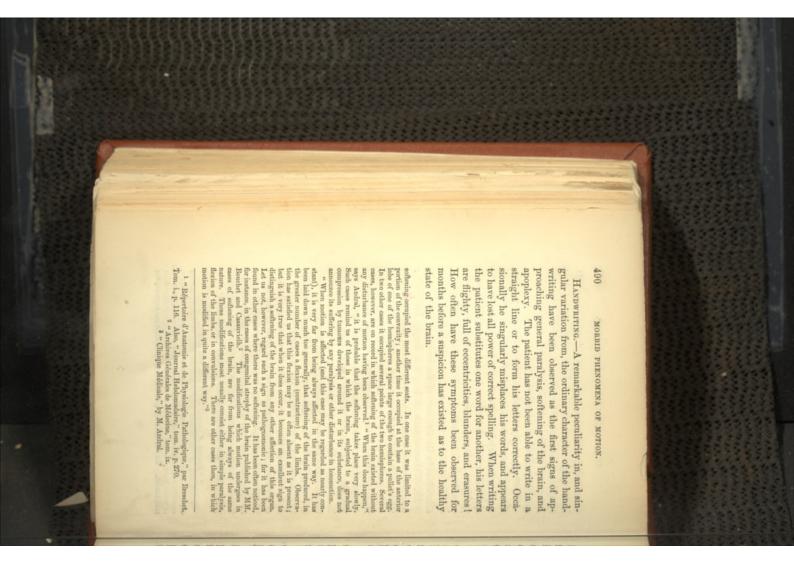
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A celebrated player on the flute, who died of softening of the brain, exhibited, fifteen months prior to the manifestation of more alarming signs of cerebral disease, an inability to use the instrument with his accustomed facility, owing (as was supposed) to incipient paralysis of the muscles of the mouth and check.†

金雪豊富夏夏

 " Practice of Physic," by Thomas Watson, M.D. 1857.
 † 80kming of the crevical indicpleres, is cooling to Andrah, Indices alteration in motion much more constantly than in *indivigence*. However, even this rule is not, he says, without the acceptions. He tites none cases in which there was not observed, in reference to motify, any appreciable molification. In four instances of this kind which Antra has recorded, the

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CONTRACTOR OF 491 A gentleman connected with the mercantile world (who died of softening of the brain, at the age of fifty-four,) for two years before his state of cerebral ill-health attracted attention, exhibited in his correspondence and accounts remarkable peculiarities and eccentricities. In looking back at his books and letters, and the words were mis-spelt and wrongly used. The lines were written crookedly, and his calculations were after he was obliged to retire from all active business, this patient's written communications with various remarkable for their inaccuracy. Occasionally his letters were singularly well and correctly written, without morbid phenomena of the motor power would be incom-Mr. Parkinson has entered more fully than any other persons presented the most conclusive proof of the long existence of undetected premonitory symptoms of cerebral The letters in question were full of erasures, evidencing a blunder, but, after the interval of a week, he again lapsed into a careless, inaccurate, and, I may PARALYSIS AGITANS.-Any analysis of the incipient monitory symptoms of that singular disorder of the writer into a history of the precursory stage of this plete which did not embody a description of the predisease, and to his treatise I am indebted for the sub-"So slight and nearly imperceptible are the first inroads of this malady, and so extremely slow is its progress, that it rarely happens that the patient can form any recollection of the precise period of its commencement. The first symptoms perceived are a slight sense of weakness, with proneness to trembling in some particular part; sometimes in the head, but most commonly in one of the hands and arms. These symptoms nervo-muscular system, termed paralysis agitans. MORBID HANDWRITING. joined accurate and graphic resumé. say, morbid style of penmanship. softening.

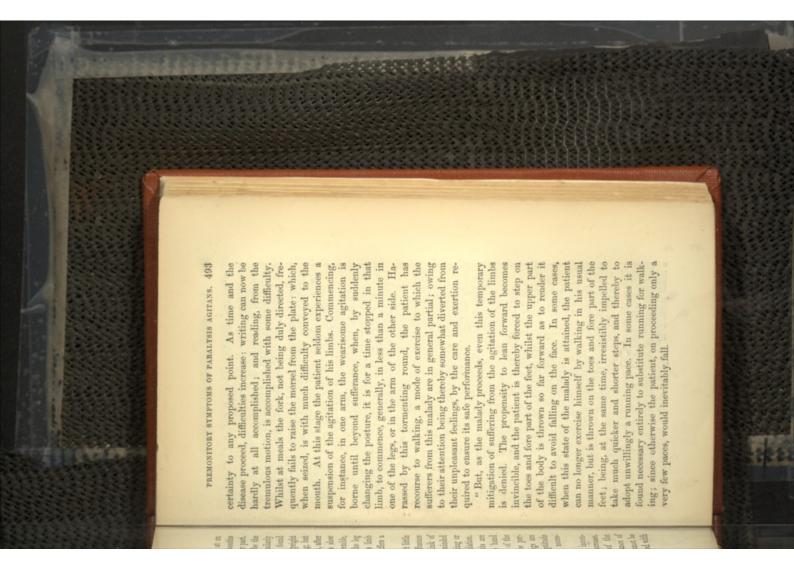
MORBID PHENOMENA OF MOTION.

492

gradually increase in the part first affected; and at an uncertain period, but seldom in less than twelve months or more, the morbid influence is felt in some other part. Thus, assuming one of the hands and arms to be the first attacked, the other at this period becomes similarly affected. After a few more months the patient is found to be less strict than usual in preserving an upright posture: this being most observable whilst walking, but sometimes whilst sitting or standing. Sometimes, after the appearance of this symptom, and during its slow increase, one of the legs is discovered slightly to tremble, and is also found to suffer fatigue sconer than the leg of the other side: and, in a few months, this limb becomes agitated by similar tremblings, and suffers a

of it by the unsteadiness of his hand, whilst writing or of habitual endurance, would, perhaps, seldom think of similar loss of power. will. But as the disease proceeds, similar employments are employing himself in any nicer kind of manipulation. inconvenience; and, befriended by the strong influence sary to prevent frequent falls. formed without considerable attention. The legs are failing to answer with exactness to the dictates of the accomplished with considerable difficulty, the hand his being the subject of disease, except when reminded which the will directs, so that the utmost care is necesnot raised to that height, or with that promptitude "Hitherto, the patient will have experienced but little Walking becomes a task which cannot be per-

"At this period, the patient experiences much inconvenience, which unhappily is found daily to increase. The submission of the limbs to the directions of the will can hardly ever be obtained in the performance of the most ordinary offices of life. The fingers cannot be disposed of in the proposed directions, and applied with

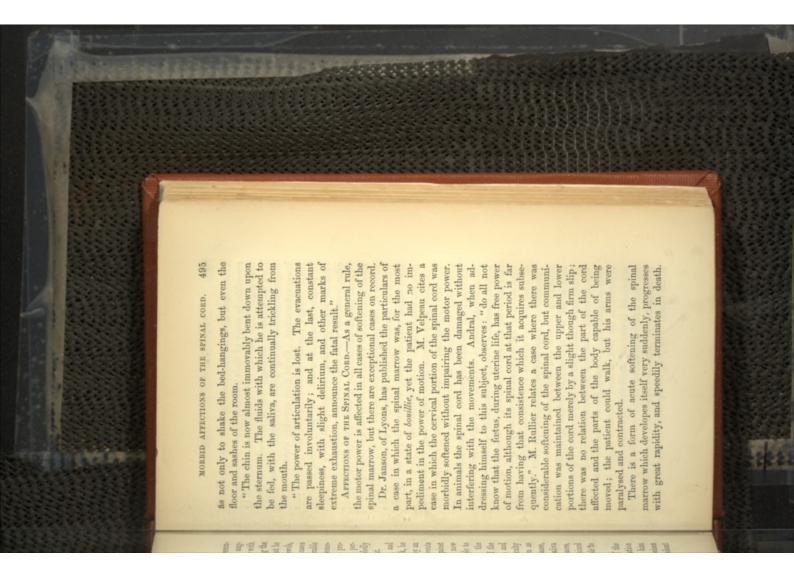


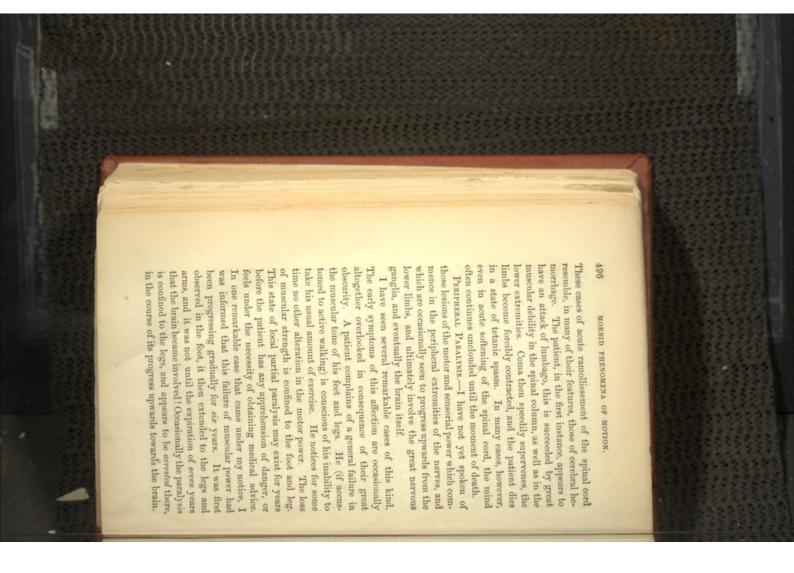
494 MORBID PHENOMENA OF MOTION.

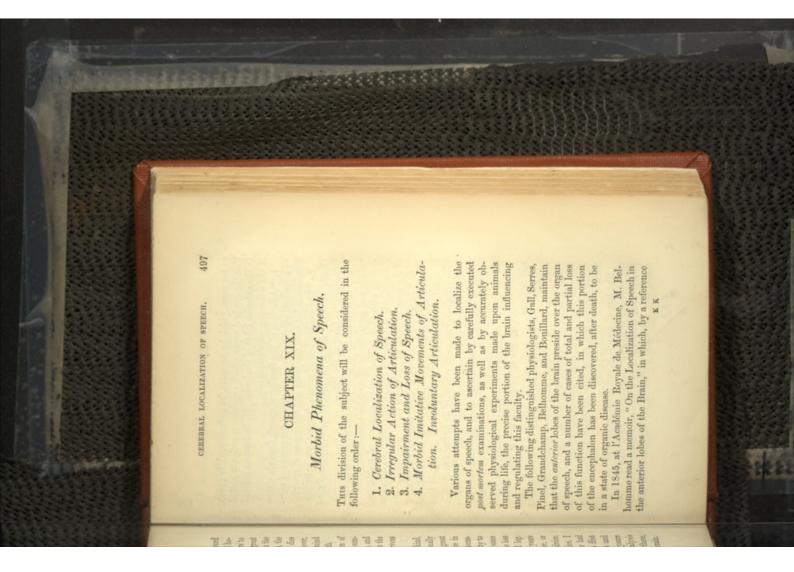
"The sleep now becomes much disturbed. The tremulous motions of the limbs occur during sleep, and augment until they awaken the patient, and frequently with much agitation and alarm. The power of conveying the food to the mouth is at length so much impeded that he is obliged to consent to be fed by others. The bowels, which had been all along torpid, now in most cases demand stimulating medicines of very considerable power: the expulsion of matter from the rectum sometimes requiring mechanical aid. As the disease proceeds towards its last stage, the trunk is almost permanently bowed, the muscular power is more decidedly diminished, and tremulous agitation becomes violent.

clear from the inside of the mouth. with the particles of food which he is no longer able to and hence is continually draining from the mouth mixed fails of being directed to the back part of the fauces, another very unpleasant circumstance occurs; the saliva difficultly swallowed. Now also, from the same cause, retained in the mouth until masticated, and then as perpetual agitation, that the food is with difficulty tongue, pharynx, &c., impeded by impaired action and mouth, so much are the actions of the muscles of the feed himself, but when the food is conveyed to the scarcely intelligible, and he is not only no longer able to the fore part of his shoulders. His words are now him falling forwards by the pressure of his hands against attendant, who, walking backwards before him, prevents dares not venture on this exercise unless assisted by an unable any longer to support himself with his stick, he "The patient walks now with great difficulty, and

" As the debility increases, and the influence of the will over the muscles fades away, the tremulous agritation becomes more vehement. It now suddenly leaves him for a moment; but even when exhausted, nature seizes a small portion of sleep, the motion becomes so violent









498

to ten cases which he narrates, he endeavoured to prove that the cerebral organ which regulates speech was seated in the anterior lobes of the brain. M. Belhomme arrived

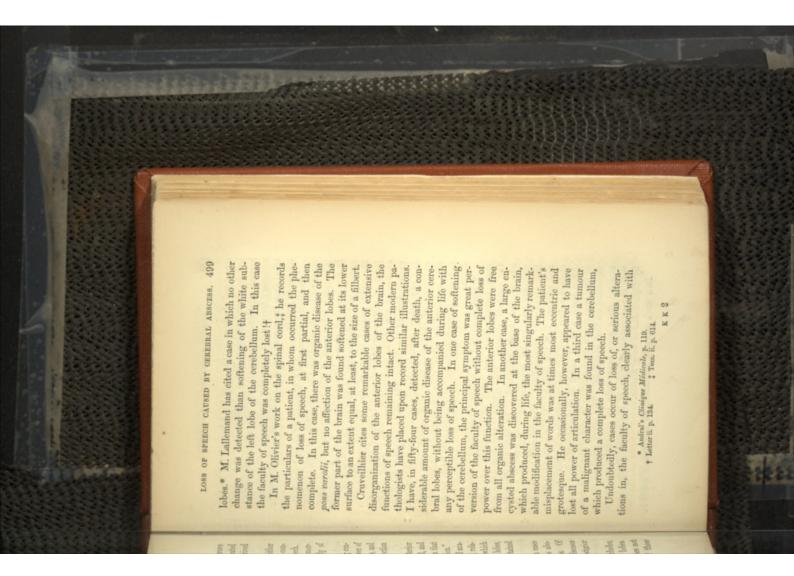
2. "The sudden loss of speech depends on a hemorrhagic or other lesion of one, or more frequently of both, anterior lobes of the brain.

3. "It is necessary to guard against confounding convulsive and paralytic disorders which affect the power of speech, with that sudden loss of memory of words, and consequently difficulty of speech depending on affection of the anterior lobes of the brain.

4. "In disorder or partial destruction of the anterior lobes of the brain, the speech is suddenly arrested, and it is only after a cicatrix has formed in the brain that the organ recovers more or less of its former function." Out of thirty-seven cases carefully observed and analysed by Andral, as well as by other pathologists, relative to hemorrhage and other cerebral lesions, in which the morbid affection resided in one of the anterior lobes, the morbid affection resided in one of the anterior lobes,

sizeen times. On the other hand, the particulars of fourteen cases were collected by Andral, where the speech was abolished without any alteration in the anterior lobes. Of these fourteen cases, *seven* were connected with diseases of the middle, and *seven* with diseases of the posterior lobes.

The loss of speech is not then, as Andral concludes, the *mecessary* result of the lesion of the anterior lobes. It may take place in cases where examination does not reveal any alteration at all in the structure of these





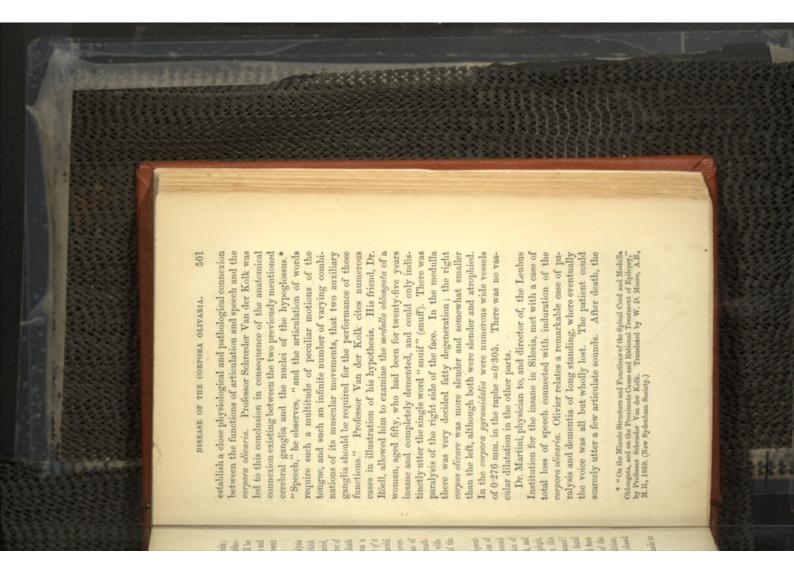
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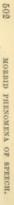
structural changes in the anterior lobes of the brain; but to prove anything like a physiological and pathological relationship between the phenomena it will be necessary to establish a greater uniformity of cause and effect than the researches of morbid anatomists at present appear to justify.

I recollect one remarkable instance of general paralysis associated with considerable imbecility of mind, which associated with considerable imbecility of mind, which associated may other cases of this disease) was accompanied, (like many other cases of this disease) was accompanied, in the incipient stage, by considerable loss of power of speech, and defective articulation, in which after death speech, and defective articulation, in which after death the only morbid lesion of the brain detected was a the only morbid lesion of the brain of the size of a piece of circumscribed softened brain of the size of *ability* on one of the anterior lobes. The most careful *ability* of the organic change 1 In another case of softening of the cerebellum, the speech was remarkably impaired for some time previously to death withably impaired for some time previously to death without any perceptible lesion of the anterior lobes of the brain.

A gentleman had an attack of apoplexy, consequent upon extravation, the effect of a rupture of one of the cerebral vessels. He rallied. He had a second attack, and again recovered. At the expiration of eighteen months he experienced a third attack, and this eventually proved fatal. He became hemiplegic, and entirely lost his speech. He continued in this state for two months, never uttering a vocal sound 1 After death, a small patch of softened brain was found in the *poss earditi*, surrounding a clot which had been deposited on that ganglion. The other portions of the with the exception of some of the vessels being closed

by depositions of bony matter. In a work recently published, an attempt is made to



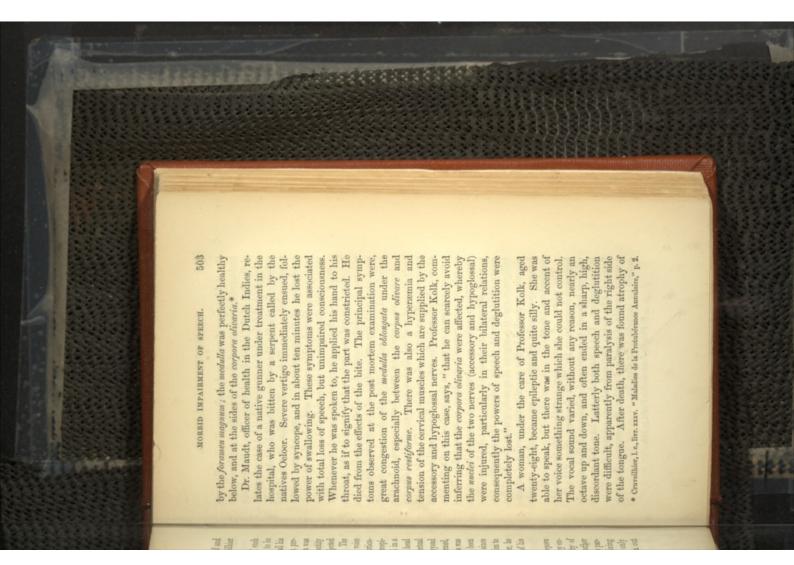


changed into a grey semi-fluid pulpy state. Cruveilhier corpora olivaria and pyramidalia were found softened and relates the following case :--

carried or laid on a bed; he could, however, move all his general weakness that he could not stand, and had to be limbs, but could not guide his movements with pre-A child, of four years, had fallen into a state of such

was supported by several pillows. The intellectual was low and stammering; the little patient still articucision, nor could he exercise any force. Deglutition was attacked three years previously, and which had since the patient being even stout and fat. The illness was recumbent position was impossible, even when the head ration was slow, often oppressed and sighing, and in a lated distinctly, but only syllable by syllable; the respiarticulation of sounds was exceedingly slow; the voice by the mouth and sometimes through the nose. of which reached his stomach, while the rest was rejected very difficult, especially of fluids, only a small quantity died asphyxiated, although in the full possession of his returned repeatedly at irregular intervals, causing him to the result of convulsions, with which the child had been his time of life; nutrition was perfectly well performed, powers of the child were developed very much beyond intellect, but no longer able to utter a sound. be considered epileptic. Five or six months later, he On examining the body, Cruveilhier found the corpora The

olivaria as hard as cartilage; in other respects they exso much of the medulla oblongata as could be taken out cerebral mass was sound. He was able to examine only ticipated in the induration; the entire of the remaining colour or extent; one of the crura cerebelli (the author hibited no change, nor was there any abnormity of had forgotten which) and the tubercula mammillaria par-



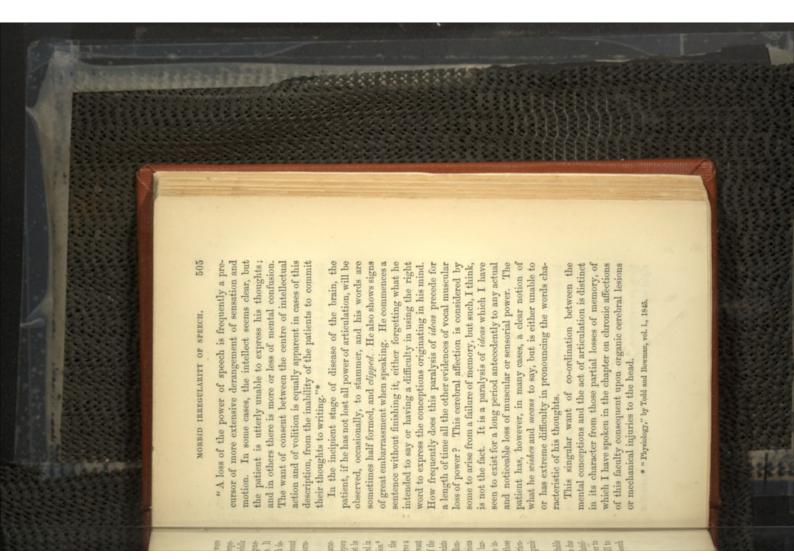
the right corpus olivare, and dark ganglionic cells were scattered in and around the *nuclei* of the *hypoglossi*, especially that of the right *hypoglossus*. The entire *medulla oblongata* had fallen into a state of decided fatty degeneration. In the fits, the patient often bit her tongue. It is not probable, says Professor Kolk, that the dark degeneration of the ganglionic cells was of very recent occurrence, though this would certainly closely correspond with the symptoms above detailed.

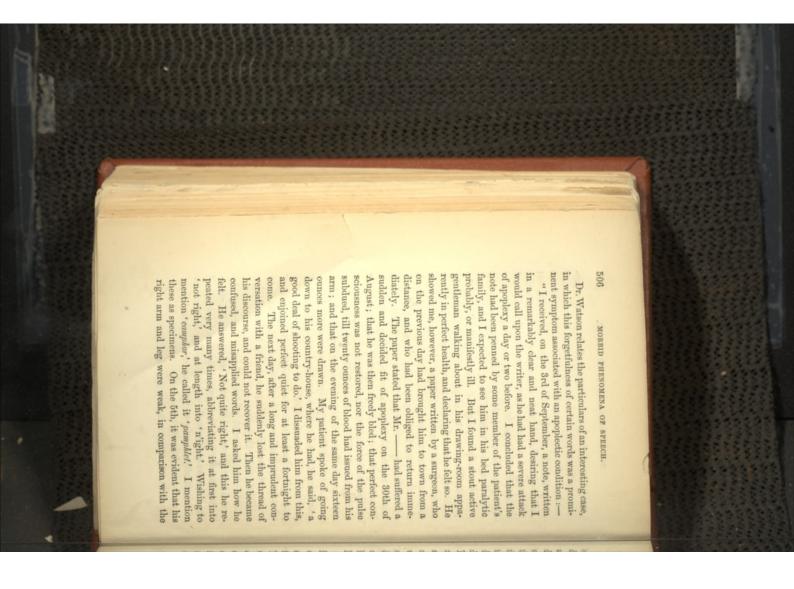
Pinel says, that as alterations in speech are characteristic of general paralysis, and changes in the *corpora olivaria* are equally constant, the latter organs must be connected with the articulation of the sounds formed in speech, and consequently with the development of voice.* IRREGULAR ACTION OF THE ARTICULATION.—In the early stage of cerebral disease we occasionally observe a *percersion* of the faculty of articulation. There is a want of co-ordination in the action of those portions of the nervous centres necessary for the production of articulate sounds, or, more correctly speaking, as suggested by Romberg, "there exists an interruption (caused by various

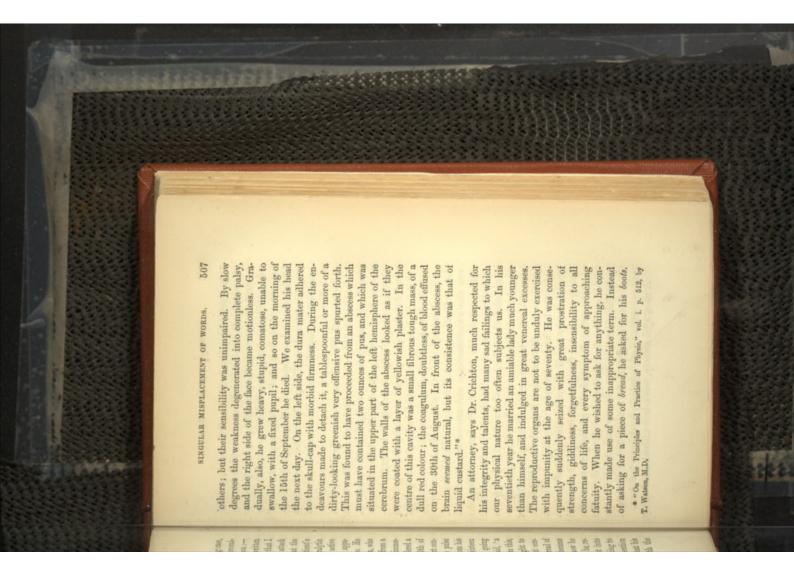
cerebral conditions." The power of expressing our thoughts in suitable language depends, as Dr. Todd observes, upon " the due relation between the centre of volition and that of intellectual action. The latter centre may have full power to frame the thoughts, but, unless it can prompt the will to a certain mode of sustained action, the organs of speech cannot be brought into play." morbid states of the brain) in the pre-established harmony which should obtain between the subjective intelligence and the organs of speech, giving rise to those

singular anomalies in the co-ordinating faculty of articulation, occasionally witnessed in connexion with organic

* Fide Professor Kolk's Work, p. 164.





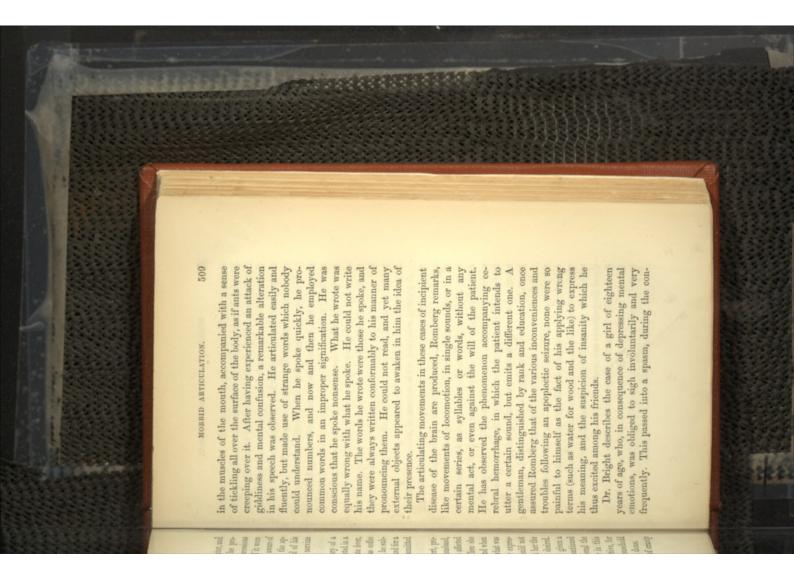


508

If he wanted a tumbler, he would call for a decenter, and vice versa. He was evidently conscious that he pronounced wrong words, for when the proper expressions were used by another person, and he was asked if it were not such a thing he wanted, he always appeared aware of his mistake, and corrected himself by adopting the appropriate expression. This gentleman was cured of his complaint by large doses of valerian and other nervine medicines.

Professor Gruner, of Jena, relates the history of a learned friend of his, whose articulation was affected in a singular manner. After recovering from an acute fever, one of the first things he desired to have was coffee (*kaffee*), but instead of pronouncing the letters/ f_f he substituted in their place a t and z, and therefore asked for a cat (*katze*). In every word which had an f he committed a similar mistake substituting a z for it.

right use of her faculty of speech. It was only in this Sometimes she herself discovered that she had given a thing she had named instead of the thing she desired. sion of her thought was mentioned to her she could not singular in her case was, that when the proper expreswith a remarkable defect of articulation. When she was also a mathematician and astronomer, was affected fessor of mathematics at Utrecht, who, like her husband matters with as much regularity as she ever had done. several months, after which she gradually recovered the wrong name to her thoughts. This complaint continued pronounce it. She was angry if people brought her the she wanted a book she demanded a glass. But what was wished to ask for a chair she asked for a table, and when Van Goens says, that she conducted her household particular point that her memory seemed defective, for Van Goens says that the wife of Mr. Hennert, pro-A man, aged seventy, was seized with a kind of cramp



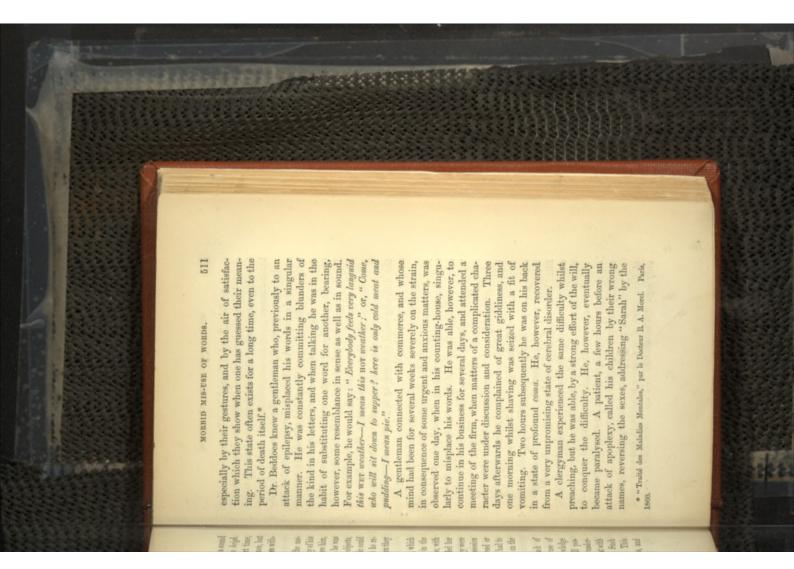
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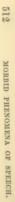
tinuance of which she every three seconds uttered a sound like *heigh-ho*, which she sometimes changed into *heigh*. She was only able to control the sound for a short time, if, for instance, she wanted to say a short sentence, but she was unable to combine two or three sentences without being interrupted by that exclamation.*

A patient has been observed to entirely lose the memory of certain words while preserving the integrity of his reasoning powers. If any were pronounced before him, he seized them in an instant, but in conversation he was obliged to employ a paraphrase to designate the objects, the names of which had escaped him. An epileptic could not pronounce spontaneously a single word, but he repeated them and wrote them without difficulty when they were pronounced to him.

A patient attacked with cancer of the uterus, which completely prostrated her, was suddenly seized in the middle of the night, and without any known cause, with an almost complete dumbness, which only enabled her to say, "Yes! yes!" to all questions, whether they were contradictory, or not. She, however, retained possession of her intelligence, for she was neither paralysed or insane. If she were requested to write what she had to communicate, she traced an assemblage of letters on the paper, to which no meaning could be attached.

Patients at the commencement of an attack of apoplexy, congestion, and softening, lose the use of almost all the vocabulary, and only retain a knowledge of few words, which, in their estimation, have all possible kinds of signification. When they are not understood the patients are moody, impatient, and repeat with more or less vehemence the words they have coined. Such persons have apparent possession of their reason. This is easily manifest by the expression of their eyes, and • " Reports of Medical Cases," vol. ii. p. 468:





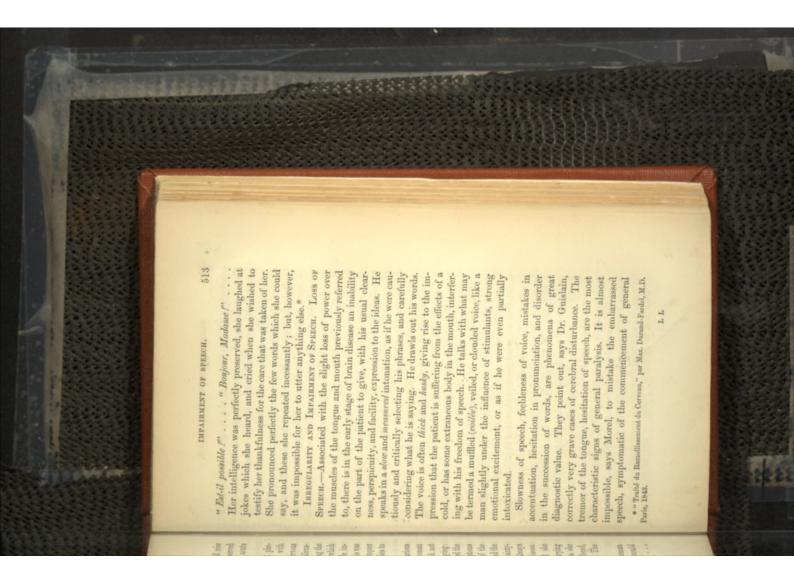
name of "John," and "Emma" as "Thomas," and vice versa. This misplacement of names has been observed in many cases among the incipient symptoms of acute

brain disease.

In some types of insanity the same morbid phenomenon is observed. A lady deeply imbued with religious feelings, became the subject of a severe nervous and mind affection, not, however, amounting to alienation. Occasionally, whilst in the act of repeating the Lord's Prayer, instead of saying, "Our Father which art in *Heaven*," she was obliged by an irressible impulse to say, "Our Father which art in *Hell*." This was the cause of great mental agony. She did not conquer the difficulty until restored by appropriate remedies to a state of cerebral health.

suffering from chronic softening of the brain, could not eight years, could only make incoherent sounds, always same phenomenon for several years. The only symptoms "parle commandement." . . . This woman exhibited the speak without, at the end of three or four words, saying : sensibility had quite vanished in that part. deprived of motion and painful in its articulations. The She heard and understood perfectly well, and she the same, and which formed the word sinona or chinona. torpid state of her intelligence. A woman aged sixtybrain were the doltishness of the physiognomy, and the which revealed the existence of an organic lesion of the phenomena most difficult of explanation. A woman wished to express. The right arm was rigid and flexed, the inflexion of her voice, according to the idea she answered everybody by this single word, only varying Alterations of speech sometimes present very curious

There was at the infirmary of the Salpétrière a woman of forty years of age, quite hemiplegic, and who could only say: " Madame été !" " Mon Diew !"



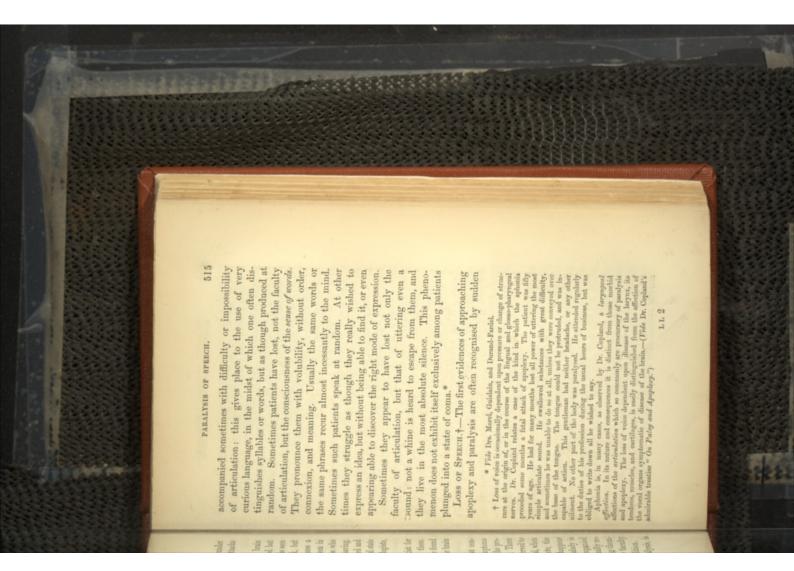


paralysis, with the tremor of the tongue, which under the impression of quick emotion sometimes attacks persons with very decided nervous dispositions.

Occasionally, when in this incipient state of brain disease, the patient is observed to make repeated but ineffectual efforts to utter articulate sounds. He is seen to open and close his lips, as if trying to speak, but singular movement of the lips, similar to that seen in the action of smoking a pipe, conveying to those who notice the phenomenon the idea of the patient having, in a slight degree, a symptom hitherto described and considered as pathogromonic of a serious and fatal state of cerebral coma, designated by French pathologists, "Le malade fume la pipe."

These symptoms of failing vocal power may exist for several months before the attention is directed to them. Such morbid affections of articulation are to be found among the most insidious signs of incipient centric brain

develope themselves gradually, derangement of the prostantly altered in acute softening. When the symptoms disease. at the commencement of softening, when the malady is articulation of sounds is quite impossible. doltishness and hemiplegia have become complete, the increase daily as the malady progresses. In general, when is a kind of heaviness of the tongue, which is observed to nunciation is a usual accompaniment of the disease. There announced by a sudden loss of knowledge, accompanied of speech occasionally remains a permanent condition. cover the power of articulating a few words, making themwith paralysis. At a later period patients usually reselves a little understood. This obtuseness of the faculty The speech, says M. Durand-Fardel, is almost con-Delirium, or agitation, joined or not to paralysis, is This happens



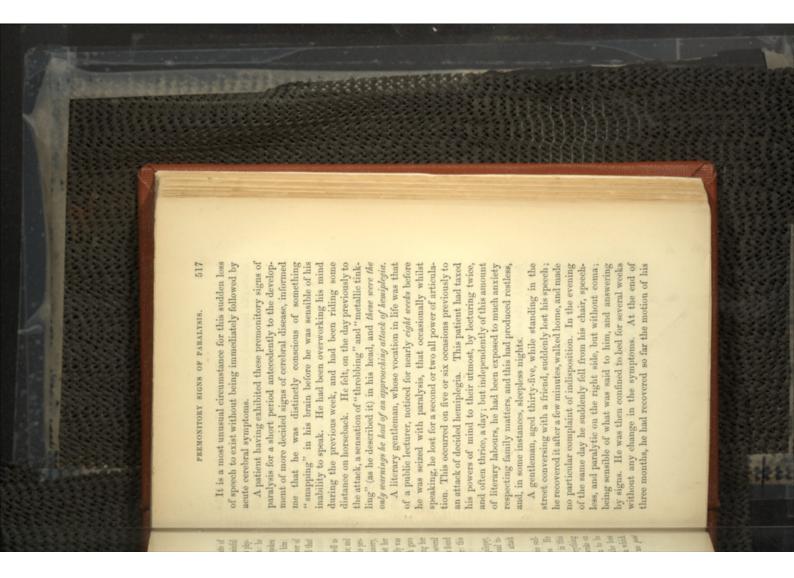
516

loss of speech. A gentleman, previously in a state of excellent health, had conveyed to him abruptly a painful piece of intelligence. He at first exhibited in his physiognomy an expression of great terror and alarm: he subsequently appeared to be stunned. When spoken to, he tried to reply to the questions addressed to him; but his efforts to speak were fruitless. His power of articulation was perfectly paralysed. He died that

evening of apoplexy: I have seen several cases of a similar kind, as well as numerous instances of aphonia, from mental shocks, and great and prolonged anxiety. A lady, pending the prosecution of a protracted and expensive suit in Chancery, which caused great mental distress, entirely lost her voice for eighteen months. In another case, a lady was informed of the accidental death of a son, which gave rise to an intense degree of mental agony, reducing her rise to an intense degree of mental agony, reducing her to a state of insensibility, which continued for several hours. When consciousness was restored, it was found that she could only speak in the faintest whisper: this state of aphonia continued for six months.

A gentleman, subject to periodical attacks of epilepsy, invariably loses all power of speaking in his usual intonation for some hours before the convulsive attack

supervenes. A clergyman, whilst reading the litany, became suddenly speechless, without losing his consciousness. He was obliged to leave the church. He continued in this state for an hour, being perfectly sensible of everything that was going on about him, and being able to write on a piece of paper a request for a certain physician to be immediately telegraphed for. Two hours after the loss of speech he was in a state of apoplectic coma, in which he died. Alas! for the interests of science, no *post morlean* examination was permitted 1



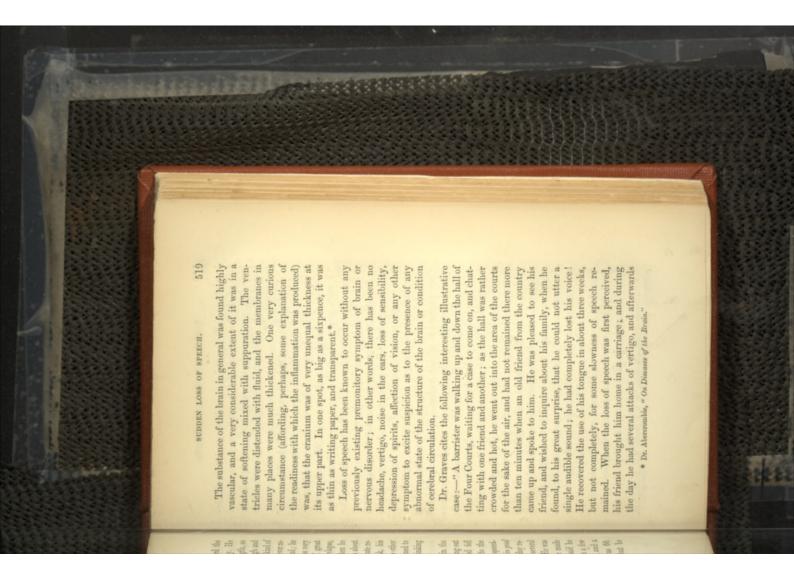
MORBID PHENOMENA OF SPEECH.

518

without coma." it next day, and died in three days more, of rapid sinking complaint. He was not then in bed, but was confined to tongue very foul and dry in the middle; he had no other sembling typhus; his pulse frequent and weak, his died at the age of fifty. Dr. Abercrombie saw him about or any farther improvement, for fifteen years, when he could not even move the fingers; his speech was very covered any degree of motion of the arm or hand; he leg as to be able to walk a little, dragging forward the leg by a motion of the whole right side of his body. He four days before he died, and found him in a state reimbecility. In this state he continued without relapse, inarticulate, and his countenance expressive of great leg continued to be dragged forward by the same kind of that he could walk for several miles; but his thigh and afterwards improved considerably in bodily strength, so effort, without any farther improvement. He never re-

month of June, in the river Tweed. After coming out covered his speech, but lost it again at intervals several asleep without his hat, with his head exposed to the the second time, he lay down on the bank, and fell gradually sank into coma, and died on the 30th. After further bleeding, the pulse rose to 86; but he very obstinate state of bowels, and his pulse was 60. days more, he had squinting and double vision, and a less; but walked home, and seemed to be otherwise in good little complaint, but, when closely questioned, said he had a dull uneasiness at the back of his head. In a few forgetful, and his look was dull and heavy : he made health ! He was bled and purged, and the next day redirect beams of a hot sun ! On awaking, he was speecktimes during the three or four following days. A young man, aged sixteen, bathed twice, in the He was

* " On Diseases of the Brain," p. 261.



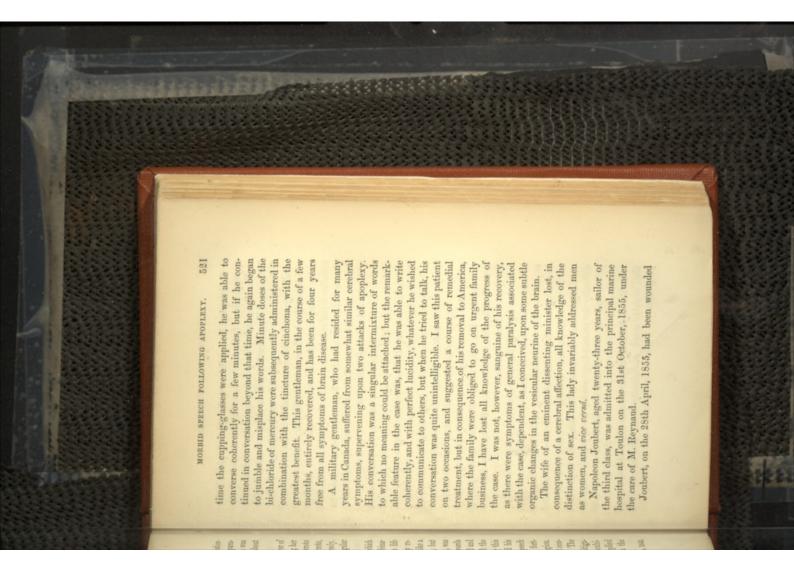
520 MORBID PHENOMENA OF SPEECH.

hemiplegia. For several hours, however, before distortion of the face, or any of the usual symptoms of paralysis had commenced, the only existing symptom was loss of speech. This gentleman died of apoplexy in about two months."*

A lady, after an attack of paralysis, lost all power of speaking, but was able to communicate in writing her wishes. When, however, doing so, she invariably wrote no when she meant yes, and vice versa. When she wrote, "I wish you to do so," it was construed conversely. This patient, I am informed, is still living, the singular defect alluded to remaining unaltered.

quite unintelligible. He was able to pronounce words covered, but with an inability to give anything like a was in imminent danger. He, however, partially retion of epilepsy and apoplexy. For two days his life were disregarded, fell down in a fit. It was a combinatransposed. What he said was written down, and the continued with slight intermissions for nearly a fortwishes. This state of brain and impairment of speech course, his family were able clearly to comprehend his words placed in their proper order. By adopting this what he said, without a key to its interpretation, was gestion, the gentleman, at my request, was cupped. The In consequence of this and other symptoms of local connight, accompanied by acute pain in the occipital region. with great clearness, but they were sadly misplaced and clear expression of his wishes. He could speak, but behind the cars. In the course of five days from the tion of the symptoms. Mercurial purgatives were exhiabstraction of blood was followed by a decided mitigabited, the head was shaved, and counter-irritation applied A gentleman, after many premonitory warnings, which

* "A System of Clinical Medicine," by R. J. Graves, M.D., Dublin, 1843, p. 688.



MORBID PHENOMENA OF SPEECH.

522

in the trenches before Sebastopol. A ball pierced the upper portion of the forehead, a little to the left of the median line, and after passing beneath the skin for a distance of three centimetres, issued to the left of the first aperture. The projectile carried along with it a small fragment of the external table of the frontal bone, which remained adherent to the bullet.

In consequence of this wound, Joubert was for four months a patient in one of the hospitals on the Bosphorus. In the month of September he was sent to Toulon, and on his arrival there he received sick leave,

which he did not avail hinself of. On the 31st October, 1855, he was suddenly seized with vertigo, followed by syncope, in consequence of which he was compelled to enter the hospital again. At this time the wounds on the forehead were not cicatrised, and they were covered with fungosities, beneath which the probe encountered denuded oseous surfaces. However, a very considerable tumefaction was remarked towards the external angle of the left eye, due apparently to a lesion of the malar bone. Fistulous tracts opening beneath this point indicated that the locality had been the seat of previous abscess.

In the night of the 31st October, or 1st November, the wounded man was seized with vertigo and subsequent syncope. On the evening of the 1st of November he was again attacked in a similar manner. This ended in a true epileptiform seizure. On the 2nd, in the morning, he had heaviness of the head, was torpid, had difficulty in articulating words, no appetite, a regular pulse, and the bowels had not acted for twenty-four hours.

In the night the epileptic attacks recurred five times; the bowels acted abundantly from the effects of a purgative.

SINGULAR CASE OF MUTISM.

523

In the night of the 3rd there were many epileptiform seizures; articulation became more and more difficult, and finally the power of speech was entirely lost.

On the morning of the 4th the patient still remained torpid; he awoke up at intervals for a few moments, but he was not able to articulate a word. In the evening there was an epileptic seizure; in the night he was calm.

In the morning of the 5th there was a brief seizure; contractions of the face and of the limbs, particularly of the right superior member; foam on the lips. As in the preceding seizure, the contractions persisted but a few moments; they terminated promptly, and the patient fell into his habitual torpor. The *mutism* continued. There was no other seizure during the day. The pulse was full and regular, the tongue a little white.

On the 6th November, 1855, the comatose state of the patient was a little less profound than on preceding days; hearing persisted, because the eyes were fixed upon any one who spoke to him; but he did not appear to comprehend what was said, and he did nothing that he was commanded. He was still incapable of answering questions put to him. His attention could not be fixed, or it was very quickly fatigued; a bottle of ammonia placed beneath the nostrils excited the pituitary menbrane; the sensibility of the skin was very obtuse, a needle plunged into the integument of the limbs occasioned scarcely any movements. Voluntary motion was abolished; when the limbs were raised, they fall as if inert; the patient had only automatic movements; defention and micturition were ivoluntary.

At eight o'clock, A.M., it was decided to trepan. A T incision having been made in the integuments of the cranium, and the bone exposed, a medium-sized trepan was applied to the superior portion of the frontal bone,

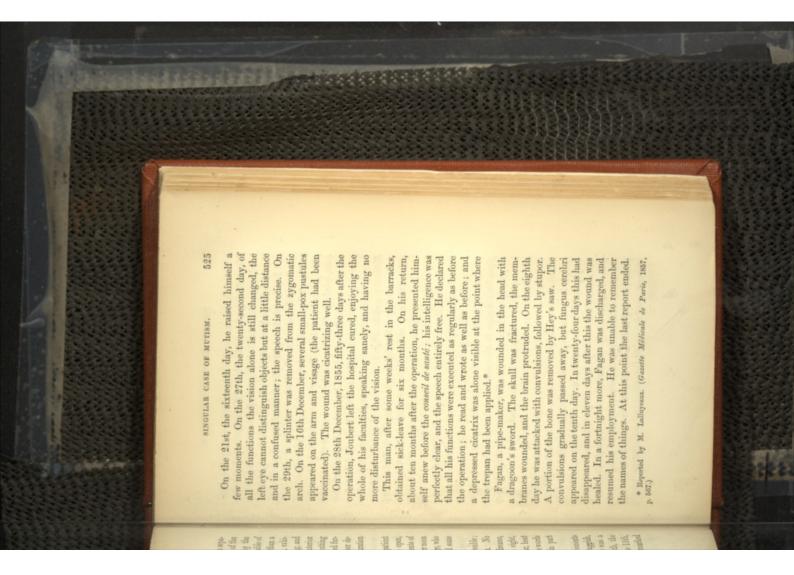


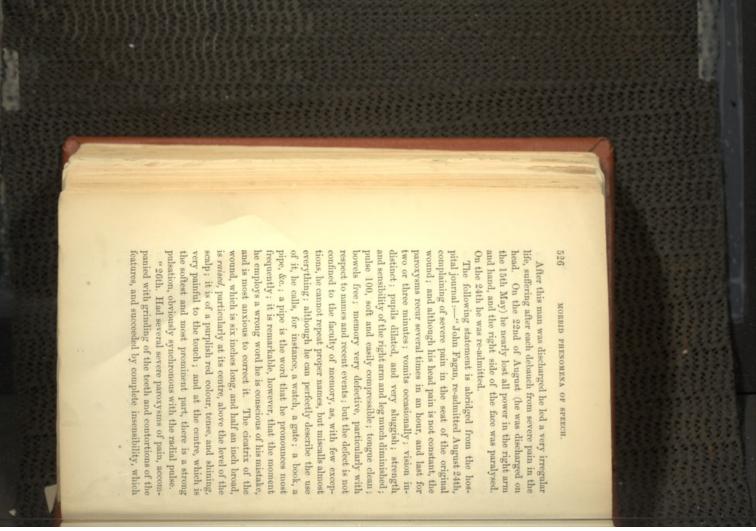
to the left of the median line, in the interval which separated the wound of entrance and the wound of exit of the ball. The osseous ferule having been raised by the elevator, there was seen a splinter of the internal table of the frontal bone. This splinter was rather more than a centimetre in diameter, it was entirely detached, exhibited the commencement of necrosis, with thinning, and compressed the dura-mater on a level with the anterior lobe of the brain. This splinter being removed, a jutting point of the frontal bone, which might have induced further mischief, was re-sected ; after which no other detached splinters were discovered, neither any suppuration

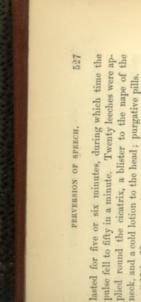
where the dura-mater. Soon after the operation the aspect of the patient became better; the physiognomy appeared more open, the eye showed more attention, and some movements of the lps were distinguished. About two hours after moon the patient responded $I_{S^{ex}}$ to the surgeon in charge, who questioned him; and about five, r.M., he uttered some connected words.

On the 7th, the wounds gave neither pain nor trouble ; there had been no epileptic seizure since five, A.M. No sleep in the night, a little agitation, disturbing dreams, some incoherent words, involuntary stools. At eight, A.M., the tongue was natural, pulse full and regular, heat of the skin normal ; the patient responded by some words to questions addressed to him; he executed in part certain movements at command.

On the 8th tactile sensibility returned, the movements were more regular, but the intelligence was still sluggish, the responses were slow and confused, but there was a gradual and marked improvement. On the 18th, the eighth day after the operation, as well as on the 15th, the tenth day, he exhibited manifest signs of marked intelligence.







tember, when he had violent vomiting followed by con-"28th. Several paroxysms of convulsion, followed by stupor ; cicatrix more tense and red, but the fluid which it covers disappears on pressure, and returns when the pressure is removed; pulse seventy-two, and regular; tongue foul; bowels open. Continued to improve; paroxysms becoming less frequent until the 4th of Sepvulsion, after which he remained insensible for several hours; pupils dilated; pulse fifty-four; respiration natural; a small opening was made into the prominent part of the cicatrix, and two drachms of healthy pus were discharged; the pulse immediately rose to sixty-eight; he sat up in the bed, answered questions rationally, and said he was quite free from pain.

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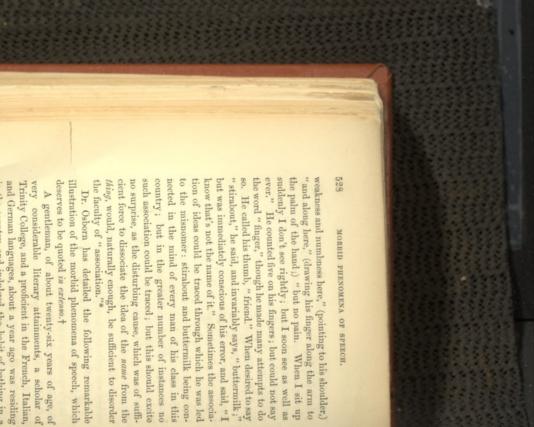
7th. Continued free from pain or convulsion; the little larger opening was made into it, and a small quantity Oct. 9th. Has had no pain or convulsion since the appears in perfect bodily health, with the exception of and some slight confusion of vision; the cicatrix is opening is healed, and the tumour is as large as before; 4th of September, when the abscess was opened; he some remaining weakness in the right arm and hand, serfectly on a level with the head, and there is no sensible pulsation in the seat of the former abscess; the mental phenomena are as before described, and are most remarkable; he speaks correctly, and even fluently; describes his sensations with great clearness, but avoids all proper names; he says, (for example) "I have a great (about half a drachm) of bloody serum was discharged.

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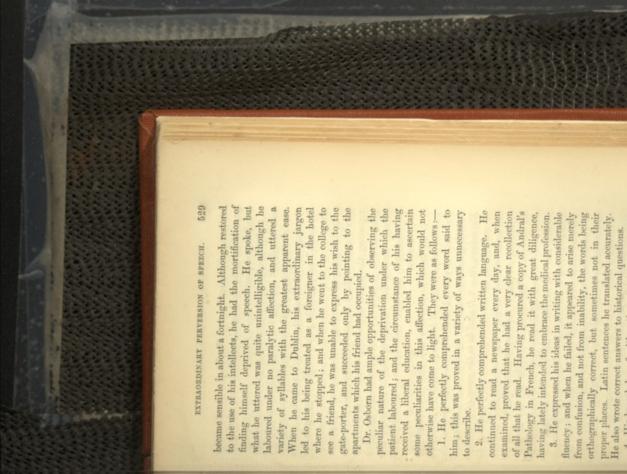
"27th. No return of paroxysms; pain relieved.



very considerable literary attainments, a scholar of Trinity College, and a proficient in the French, Italian, and German languages, about a year ago was residing in the country, and indulged the habit of bathing in a

after being subjected to appropriate treatment, he was immediately sent for; the patient was bled, and when he suddenly fell in an apoplectic fit. A physician neighbouring lake. One morning, after bathing, he was sitting at breakfast,

" Dublin Quarterly Journal of Medical Science," for 1833.—A case under the care of the late Sir P. Crampton, M.D. + *Ibid.*, vol. iv, p. 157.



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4. His knowledge of arithmetic was unimpaired. He added and subtracted numbers of different denominations

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with uncommon readiness. He also played well at the game of draughts, which involves calculations relating to

numbers and position. 5. His recollection of musical sounds could not be ascertained, not knowing the extent of his knowledge of music before the apoplectic seizure; but he remembered the tune of "God save the King;" and when "Rule Britannia" was played, he pointed to the shipping in the

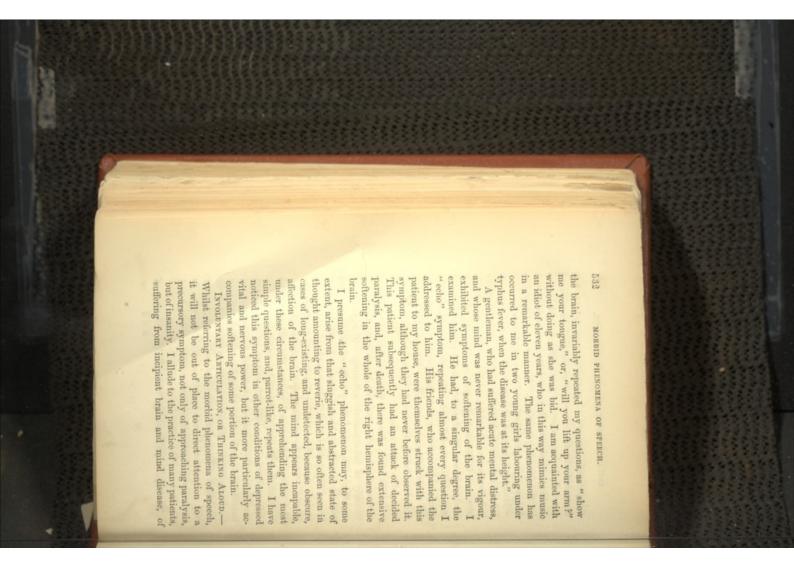
river. 6. His power of repeating words after another person was almost confined to certain monosyllables; and in repeating the letters of the alphabet, he could never pronounce k, q, u, v, w, x, and z, although he often uttered those sounds in attempting to pronounce the other letters. The letter *i* also he was very seldom able

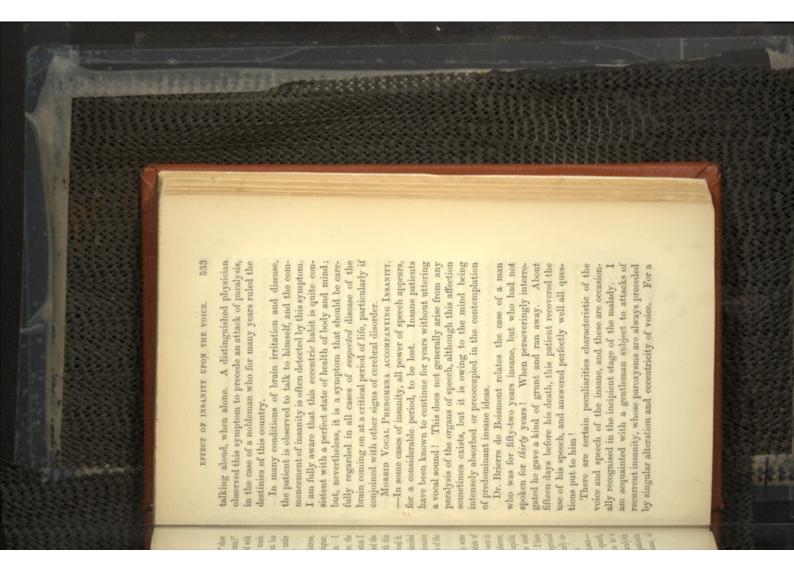
to pronounce. 7. In order to ascertain and place on record the peculiar imperfection of language which he exhibited, Dr. Osborn selected and laid before the patient the following sentence from the bye-laws of the College of Physicians, viz.: "It shall be in the power of the College to examine or not examine any Licentiate previous to his admission to a Fellowship, as they shall think fit."

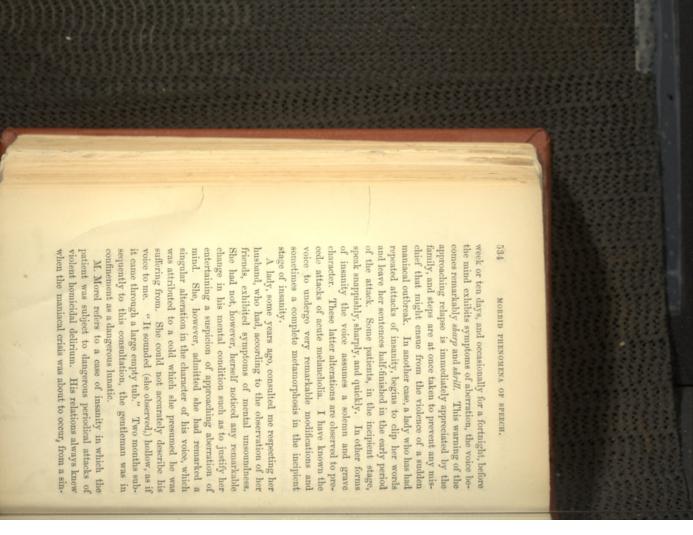
Having set him to read, he read as follows: "An the be what in the temother of the trotholodo to majorum or that emidrate ein einkrastrai mestreit to ketra tolombreidei to ra fromtreido as that kekritest." The same passage was presented to him in a few days afterwards, and he then read it as follows: "Be mather be in the kondreit of the compestret to samtreis antreit entreido and temtreido mestreiterso to his effectido tum bried rederiso of deid daf

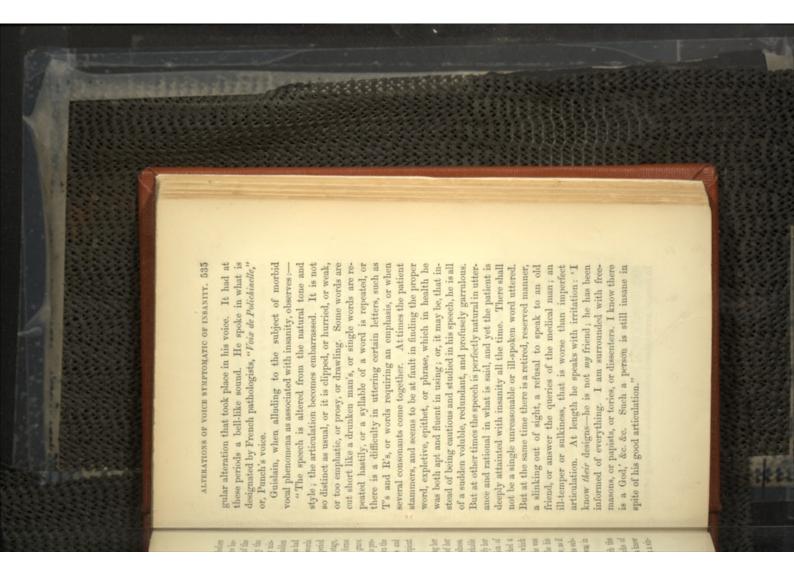
drit des trest." Dr. Osborn observes that there are several syllables in the above of frequent occurrence in the German language, which probably had made a strong impression on

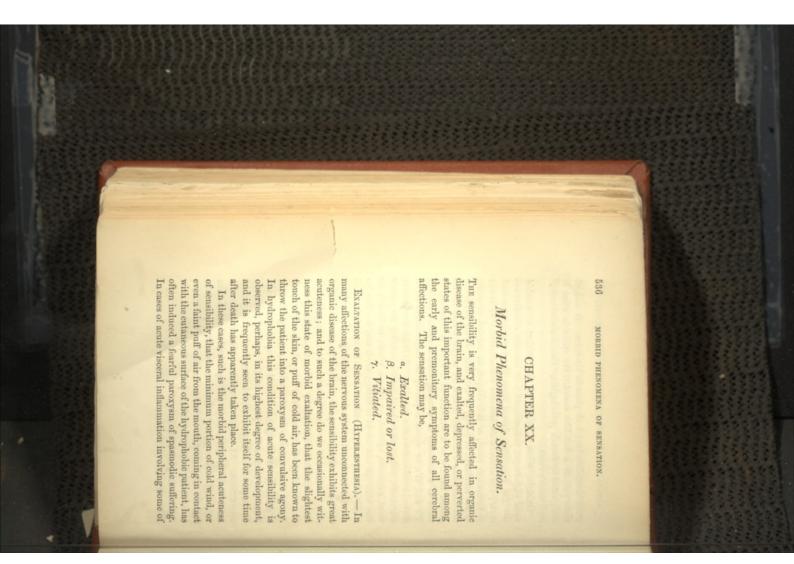
• 531 the patient's memory. But the most remarkable fact connected with the case was, that although he appeared generally to know when he spoke wrongly, yet he was unable to speak correctly notwithstanding, as is proved by the preceding specimen. He was completely free I have not yet spoken of a singular affection of the MORBID IMITATIVE MOVEMENTS OF ARTICULATION .--imitative movements of articulation which is sometimes witnessed in the early, as well as advanced, stage of terms it the "echo" sign. The patient exhibits this symptom by repeating, in a monotonous tone of voice, the words and sentences spoken, not only by persons cerebral disease. Romberg refers to the phenomenon, and near him, but by those with whom he is immediately ticularly of inflammatory softening. The physician tory. "The pulse is weak," observes the physician to an anxious bystander; "the pulse is weak," echoes the I have often observed this symptom at the commencement of acute attacks of disease of the brain, parsays," good morning," the patient echoes the question I recollect a remarkable illustration of this morbid "A lady," says Romberg, " who died of softening of without giving any kind of response to the interrogainvalid. " Let me see the tongue," asks the physician; "let me see the tongue," repeats the patient, at the condition of the imitative movements of articulation, in from many of the alarming symptoms premonitory of paralysis. He repeated every question I put to him, as well as the remarks made by others. This symptom is often observed in chronic conditions of imbecility and the case of a gentleman to whom I was called, suffering from any paralytic affection of the vocal organs. M M 2 IMITATIVE MOVEMENTS OF ARTICULATION. same moment protruding it from his mouth. engaged in conversation. insanity. 25

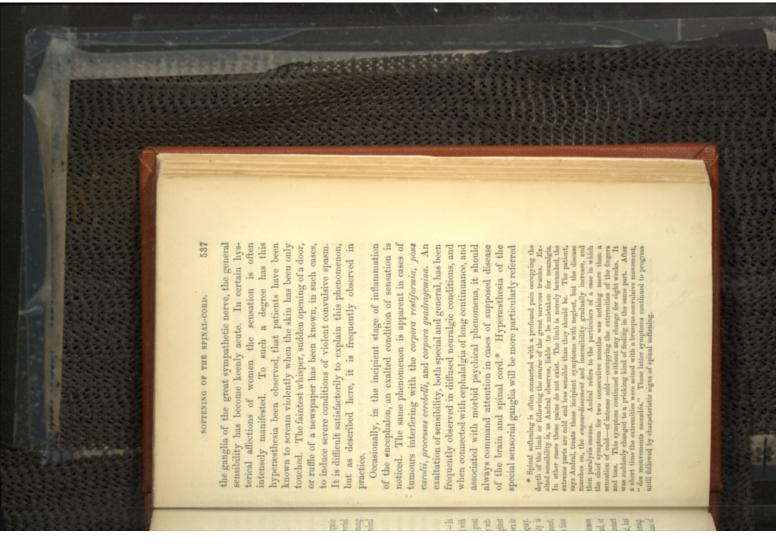












538 MORBID PHENOMENA OF SENSATION.

to when I proceed to a consideration of the exaltations of special sensibility, viz.:--

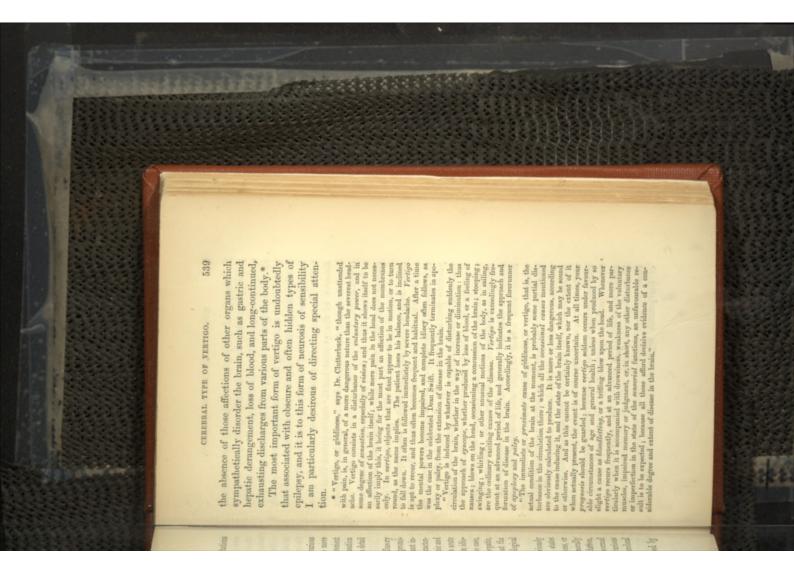
- a. Vision.β. Hearing.
- y. Taste.
- 8. Touch.

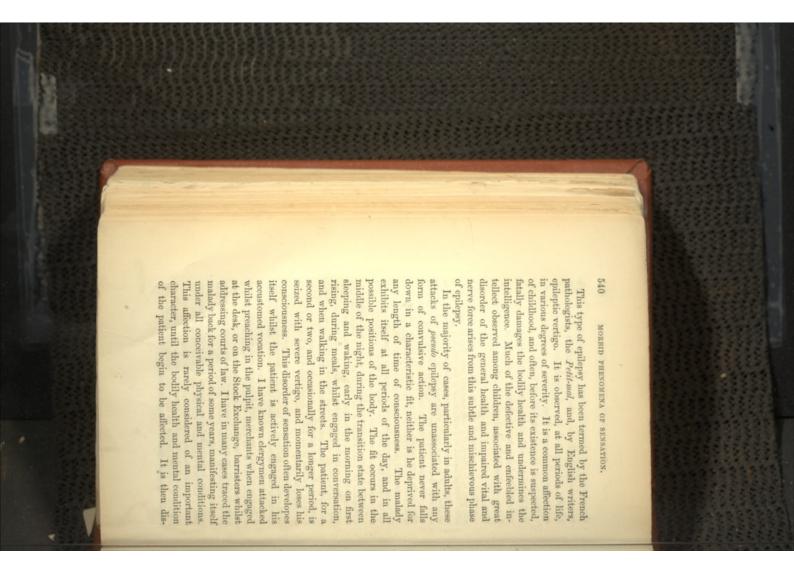
Epileptic Vertigo.—Physiologists have described various types of vertigo. 1. When the body appears to move backwards and forwards. 2. In which the movement seems to be on one side. 3. When the illusory sensation is rotatory. It is not my intention to consider in detail these various phases of vertiginous sensation.

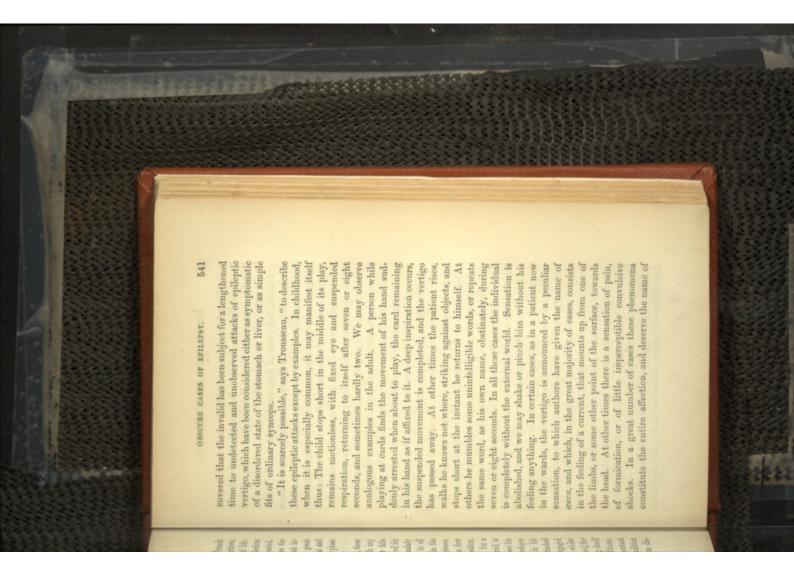
In all affections of the brain, the sensation of illusory movements, termed vertigo, or giddiness, stand prominently forward among the significant and important incipient symptoms. In some respects it is more characteristically diagnostic of serious cerebral disease, organic and functional, than that of headache, even in its more acute form of manifistation. If the vertigo be clearly an idiopathic encephalic affection, and not, as is often the case, symptomatic of some form of stomach, heart, hepatic, visceral, renal, or blood disease, we may infer that the state of the brain is entitled to careful pathological analysis, and earnest therapeutic consideration.

This phase of disordered sensibility, when not obviously arising from the above causes, or connected with states of poisoned blood, resulting from retained excretions, or presence of a toxic agent in the vital fluid, generally indicates serious disturbance of the cranial circulation, and is frequently dependent upon a want of normal balance in the amount of blood distributed to the various sinuses as well as to the venous and arterial cerebral vessels.

The cerebral type of vertigo is easily diagnosed by







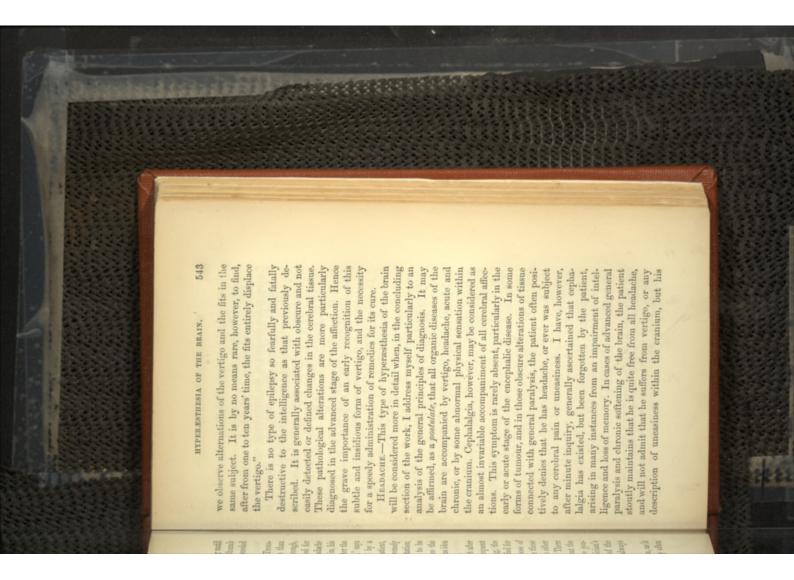


epileptic vertigo. At others, they go on increasing until the fit itself occurs, and then it is usually by the thumb that the aura commences. But the fit is only preceded by the aura quite exceptionally."

by the aura quite exceptionally." A child, five years of age, was brought for M. Trousseau's advice. Several times a week, and more than once a day, the child became the subject of hiccough, which, accompanied by remarkable paleness, lasted for several seconds, and never more than a minute, headache and hebetude succeeding. M. Trousseau, alone in his opinion, pronounced this epilepsy, and a year after the child had regular epileptic fits. "At other times," says the same authority, "epilepsy manifests itself by a marked sensation of cardiac sufficient. The patient, seized with most violent palpitations, becomes extremely pale, and loses all consciousness. In ordinary palpitation, consciousness is always preserved; and it is well to be aware of these palpitations in the epileptic, since the patient complaining only of his heart, an erroneous idea of the nature of the disease may be easily formed.

"Disturbances of the intellect are very frequent after the epileptic fit, and they are also met with subsequent to the vertigo. The head is heavy and aching, the patient being morose and taciturn, and as if stupified for a while—for a half or whole hour. For the purpose of diagnosis, it is of extreme importance to observe these ehanges; for we find them as a consequence of no other mervous spasm, however violent it may have been. There may be exhaustion after a violent fit of hysteria, but the intellect always remains very clear. This relative confusion of the mental powers may escape the physician's attention, but it is very rare for it to escape that of the patient or his relatives, so that they should be always interrogated upon this point.

"There is nothing special in the vertiginous form, as it depends upon the same causes as the fit; and very often





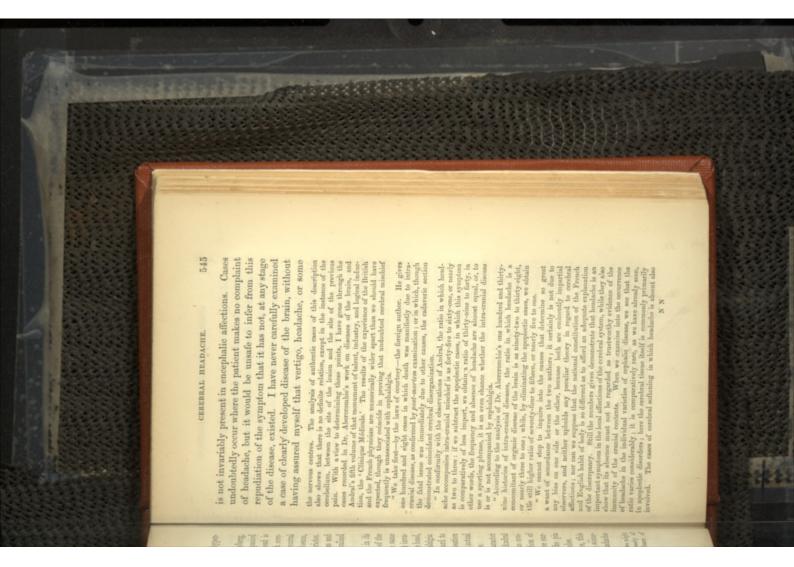
actions clearly demonstrate that there exists an hyper-

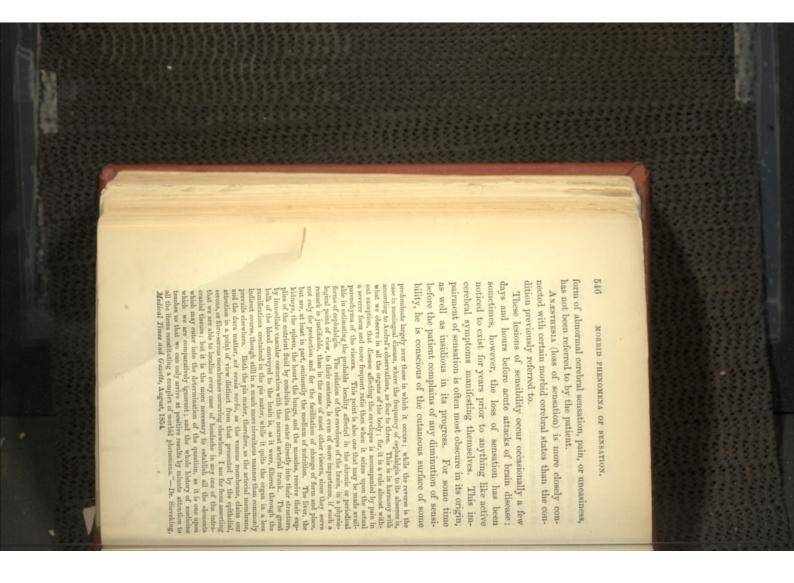
optic thalamus is attended with little or no localized septum lucidum, fornix, and the ventricular parietes. softening of the brain involving the corpus callosum, " none of the diseases of the brain occur unaccompanied pain pointing out the exact seat of the lesion. Dr. Todd says, that disease of the corpus striatum and bral tumours. It always exists, particularly in central one of the most constant symptoms associated with cereby headache." Nasse affirms that pain of the head is as the sia of the brain. "With the exception of atrophy," says Romberg,

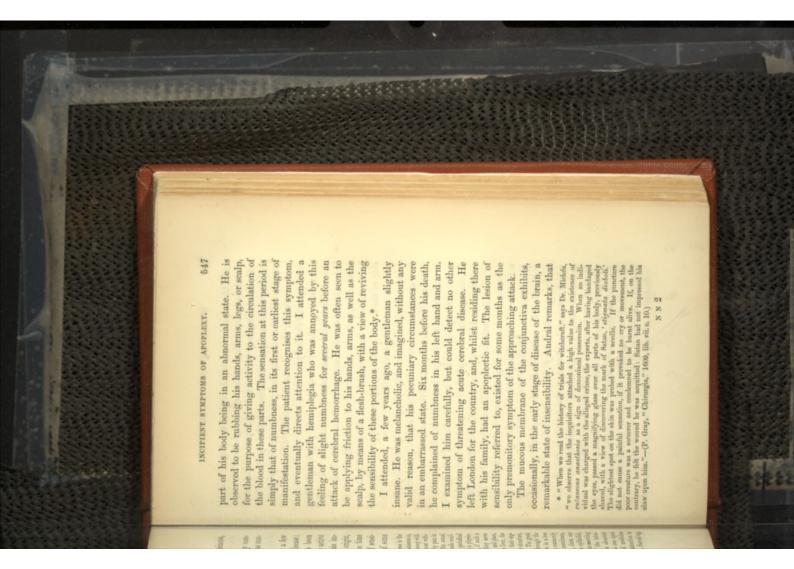
encephalon consequent upon chronic otorrhea, the same riably preceded by either severe vertigo, noises in the head, symptom is generally present. Apoplexy is almost invacharacter, is rarely absent. In all the affections of the of the cerebral lesion. It may accompany, as Andral in the head giving rise to the impression that an actual complain, immediately prior to the attack, of a sensation confusion of intellect, or severe paroxysms of cephalalgia. remarks, the most varied morbid condition of the conlaceration of the cerebral substance has taken place. In cerebral hemorrhage, the patient is often heard to Pain of the head does not always denote the character In abscess of the brain headache, paroxysmal in its

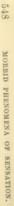
" Cephalaigia is a symptom of less frequent occurrence than we might have anticipated—a fact which negatively demonstrates the necessity of additional care in attending to other signs indicating disturbance of

mater, or effusion of pus or serum into the ventricles. symptom of organic disease of the brain has been someface of the arachnoid, purulent infiltration of the pia their tissue, formation of concretions on the free surwhat exaggerated.* It has been asserted that headache tents of the cranium, bones, membranes, injection of According to the opinions of some authorities, this









under these circumstances, the end of the finger may be eyes even when there is no diminution of sensation in produce even an approximation of the eyelids. The without causing any irritation in the part sufficient to passed over the entire surface of the globe of the eye patients manifest no sign of pain or sensibility of the

other parts of the body. patients are taking their food. side of the mouth. This symptom is apparent when the some cases, prior to an attack of acute disease of the halves of the mucous membrane of the nasal fosse. In observed a decided impairment of sensation in one of the brain, there has been noticed a loss of sensibility on one In some apoplectic cases, the same physiologist has

a five-franc piece each, where it showed no signs of instrument. In other parts of the thorax, the sensibility sensibility even when pinched or pricked with a sharp in this case five or six portions of skin, about the size of the attack in isolated parts of the thorax. There existed of cutaneous insensibility were not continuous in their of the skin continued intact. These circumscribed states be alternate conditions. manifestation, sensibility and insensibility appearing to loss of sensation was observed some time previously to Andral relates a case of apoplexy in which a complete

feeling of intense cold in one of the extremities. cutaneous anæsthesia have existed for many years precases of apoplexy and paralysis where slight degrees of cases, are altogether neglected. I have known several which are considered unimportant, and, in fact, in many some cases for many years, by states of numbness, diminution of sensibility has been associated with a viously to the fatal attacks. In some instances this Decided loss of sensation is frequently preceded, in

Andral, Romberg, and other pathologists, have noticed

INCIPIENT SYMPTOMS OF APOPLEXY. 549

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this incipient symptom of apoplexy, paralysis, and softening. Among the premonitory symptoms of cerebral hemorrhage, the former authority has observed odd sensations confined to the tips of the fingers, resembling a feeling of intense cold in those parts. "The tips of the fingers," he says, "appear as if they had been plunged into iced water." Dr. Cooke refers to a case of apoplexy where the patient complained, some weeks before the attack, of a painful sensation of cold in one of his feet. There was no apparent diminution of sensibility in the leg or any other part of the body. In other cases, the anæsthesia has been confined to a side of the markable cases on record, the feeling of numbness has been restricted altogether to a lateral half of one of the fingers. This was a remarkable symptom in the case of face, one of the fingers, to the scalp, and in some rea nobleman who died several years ago of paralysis.

a noteman who duck several years ago of paralysis. These circumscribed states of impaired sensation are often valuable diagnostic signs of the commencement of softening of the brain, particularly when the feeling of defective sensibility is limited to one side of the body, and there exists verigo, headache, impairment of the intelligence, or confusion of mind.

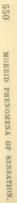
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意思語言

I attended a case of a gentleman who died of this disease, who, for five years before he was suspected to be suffering from ramollissement, felt a partial paralysis of sensibility in his left arm and leg. This symptom was observed, but was never considered to be cerebral in its origin. The affection was viewed as of a load character, and treated accordingly. In other cases I have remarked, among the invisiont

In other cases I have remarked, among the incipient symptoms of acute diseases of the brain, an impaired state of the function of taste consequent upon a loss of sensibility in the tongue as well as fauces. In one remarkable instance the defect of sensation was con-



fined to one lateral half of the tongue. This symptom was only occasionally manifested, and at one period appeared altogether to subside. After the lapse of two years it recurred. The patient at this time suffered also from great general muscular debility, occasional headaches, severe attacks of vertigo and depression of spirits. He eventually died at Berlin of well-marked symptoms of softening of the brain.

complain of one leg, arm, or the side of the body being ness in the affected part. The patient will be heard to actual anæsthesia, but a feeling of weight and heavisionally diagnosed by a sensation, not of numbress or disease of the brain. This symptom is occasionally tory symptom in several cases of acute as well as chronic they are, particularly the deep-seated pains in the limbs, incipient stage of cerebral softening. He remarks, that deep-seated pain, and coldness in the part. Durandassociated with a sensation of stiffness in the limbs and heavier than the other. I have observed this premonisoftening of the brain. significantly diagnostic of the commencement of chronic Fardel refers to these symptoms when speaking of the joints, as well as with spasmodic muscular contraction, This morbid state of the nervous system is occa-

There has been much written on the subject of the insensibility of the insane, and an attempt made by several authorities to establish, that a state of anæsthesia exists in the majority of cases of mental disease. Such an opinion could only have been expressed by writers practically unacquainted with the ordinary phenomena of insanity. Insune patients, as a general rule, are not reduced to a condition of anæsthesia. In many cases, the sensibility, *psychical* as well as *physical*, is most acutely and painfully manifested.

DEFICIENT SENSIBILITY OF THE INSANE. 551

Impairment of sensibility is, however, one of the characteristics of certain types and stages of insanity. This state of anesthesia admits of a *psychical* and a *physical* explanation. In many cases, the disease of the burn causing the insanity induces a paralysis, throughout the whole of the body of the nerves of sensation, consequently their special function is weakened, benumbed, or entirely paralysed. This condition of anesthesia is observed in various degrees of manifestation, in proportion to the nature and degree of the mental alienation, or cerebral organic change.

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In the early stage of general paralysis, this impairment of sensibility is well marked. The phenomenon is observed in many cases of this disease long before it is suspected to have commenced. Deficient sensibility is occasionally manifested in many types of disease of the brain previously to any decided and perceptible loss of motor power. Such patients are not ordinarily susceptible to the influence of marked alternations of temperature. They have been known to wander about during the most severly cold nights in a state of multiy, without exhibiting the slightest physical pain, discomfort, or uncasines.

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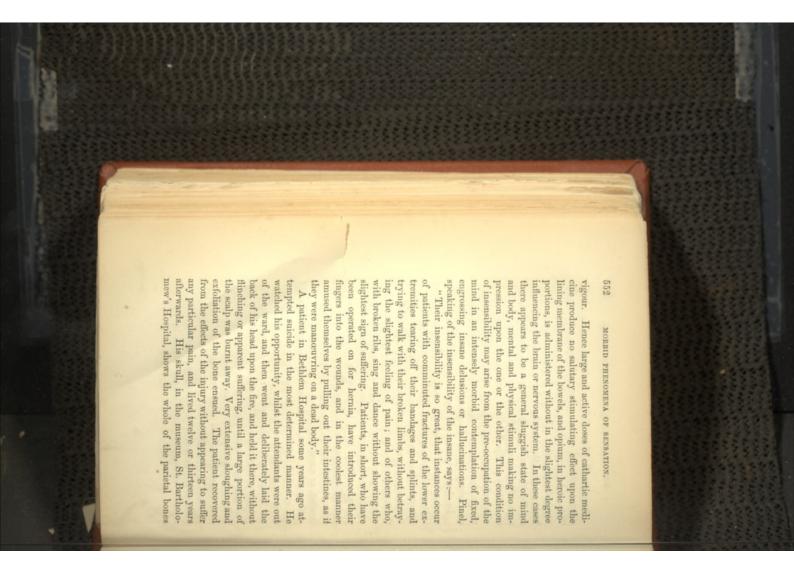
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They often resist, when in bed, the application of any extent of bed-clothes. Occasionally it is necessary for their protection to mechanically fix the blankets to the bed-posts; but this is often resisted, even in very severely cold weather. This state of insensibility prevails throughout the whole of the body, internally as well as externally. The mucous membrane of the stomach and intestinal canal participate in the ancethesia. The peristaltic action of the intestines either altogether ceases, or is considerably impaired. All the organic functions of animal life are altered in tone and

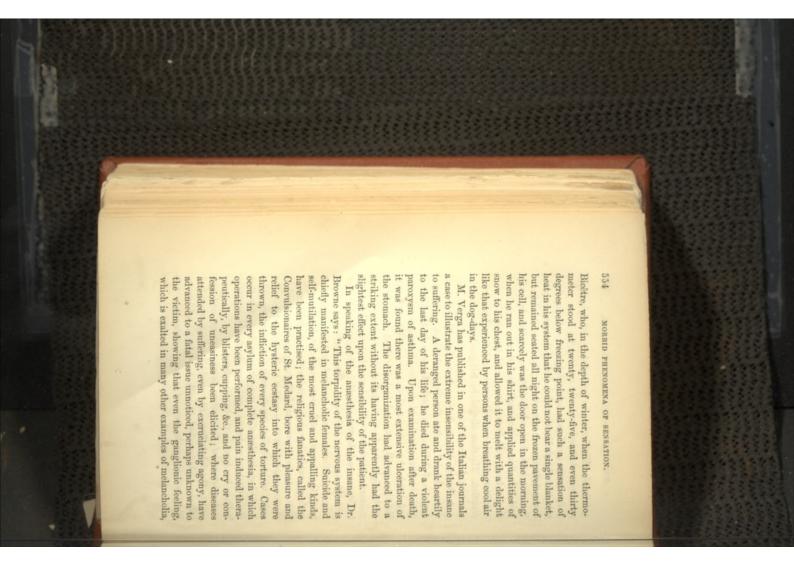
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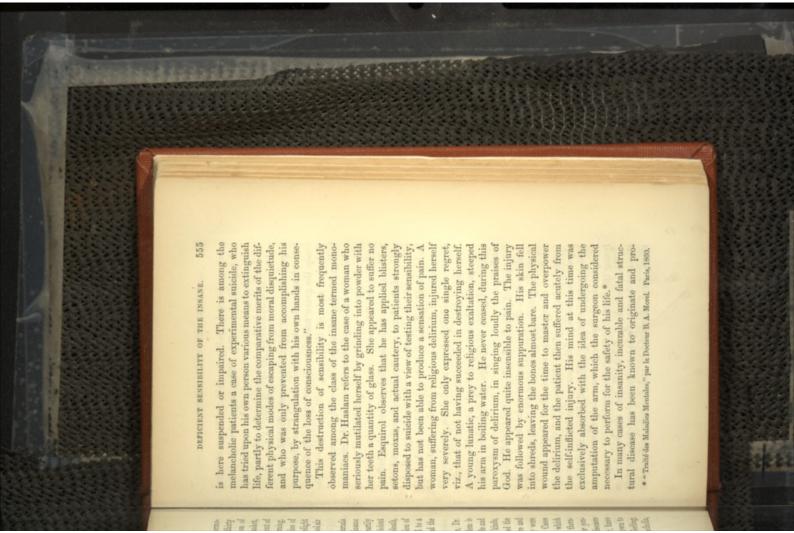
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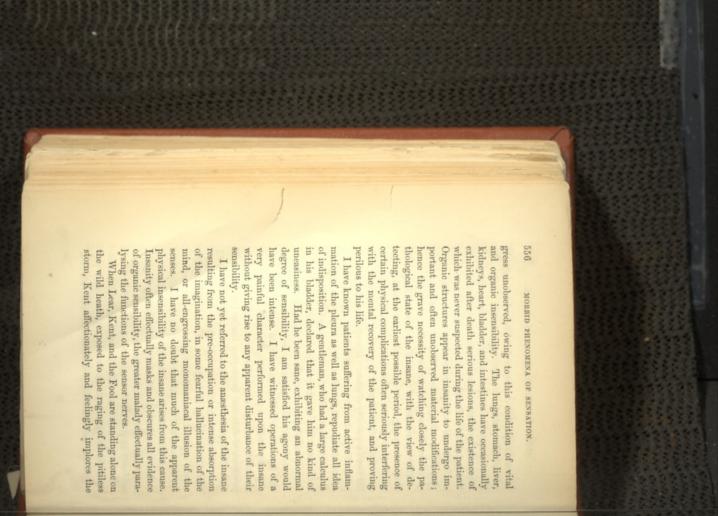
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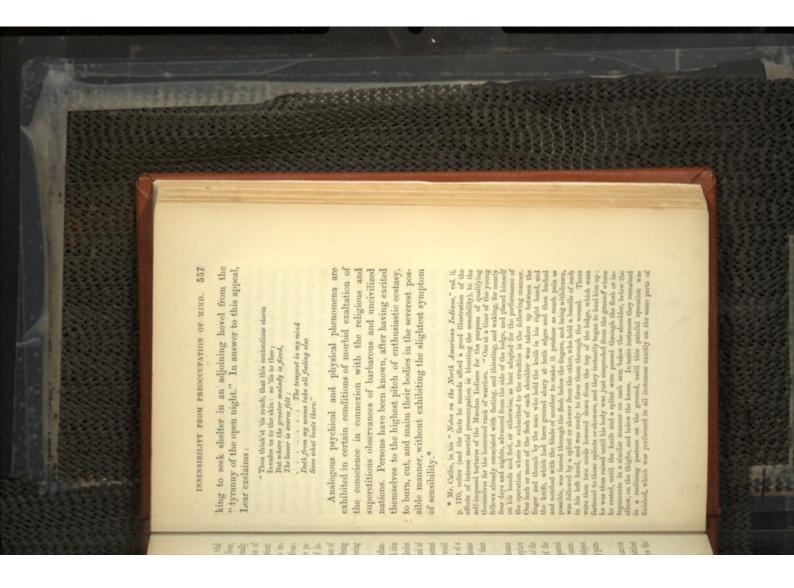


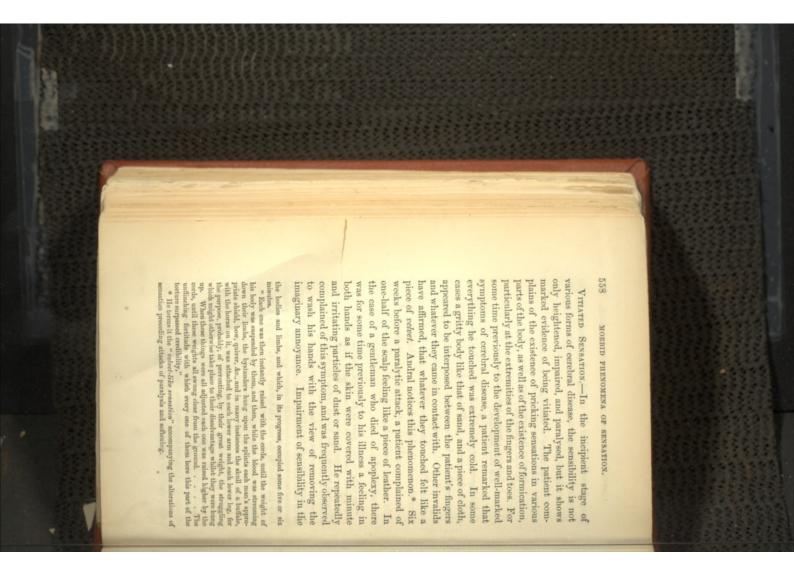
exfoliated. The brain was protected by a tough dense 553 to the bone. He was never heard to complain of a An insane gentleman, aged thirty-two, suffering from suicidal melancholia, succeeded, during the temporary absence of the servant who was employed to watch him, in thrusting his foot into a bright, blazing fire. Hevoluntarily held it in this position until the flesh was nearly burnt sensation of pain until he recovered from his mental disorder. He then alleged he felt great uneasiness in A French dragoon became insane from the effects of a coup de soleil during the Peninsular war. In a paroxysm of delirium he obtained access to the kitchen of the hospital, seized hold of a vessel that was on the fire, and drank at a draught about a pint of boiling water. He then quietly returned to bed without complaining Insane patients have been known to expose themselves to the severest degrees of cold in the depth of winter without apparent suffering. 2 Lunatics, influenced by religious delusions, have scooped out the eyes, cut away the tongue, and even emasculated themselves without exhibiting any consciousness or evidence of pain. An insane woman deliberately put her hand in the fire, and held it there until it nearly dropped from the wrist, without feeling (as she said) any sensation. She laughed at the idea of the suggestion made to her that A mistress of Robespierre became insane, and was sent to the Salpêtrière. She would not lie down in bed till she had drenched it with a bucketful of water. Pinel mentions the case of a man confined in the she must have undergone great torture whilst voluntarily DEFICIENT SENSIBILITY OF THE INSANE. * "Loctures on Insanity," by Sir A. Morison, M.D. membrane stretched across the opening.* holding her hand in the burning flame. of the slightest pain or discomfort. the injured limb. も出 宫母 白 「「「「」」」 夏 田 田 1 1 1 11 210 -11 1

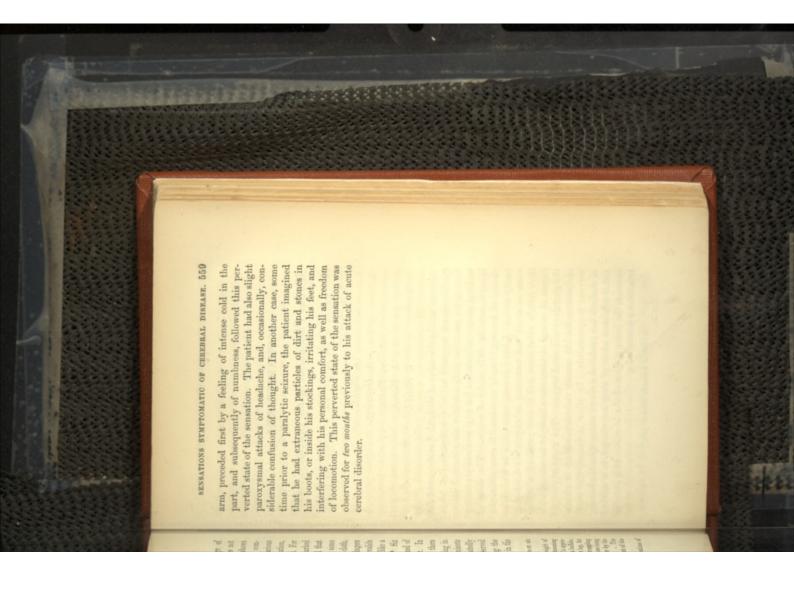


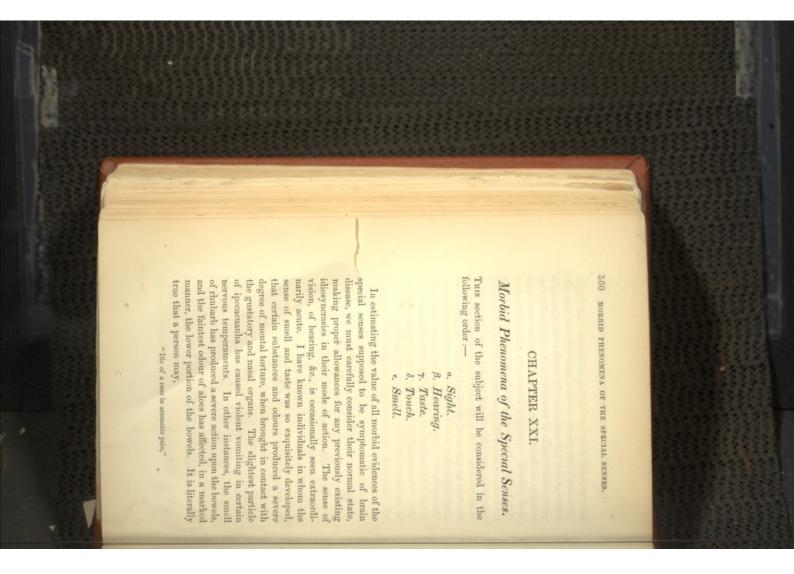












NORMAL ACUTENESS OF THE SENSES. 561

for there exists among the North American Indians a tribe whose mode of punishment consists in subjecting their prisoners to the influence of the odours of certain plants. This produces the most exquisite mental distress and bodily pain; and occasionally, if the prisoner be exposed long to its influence, death has been known to ensue.

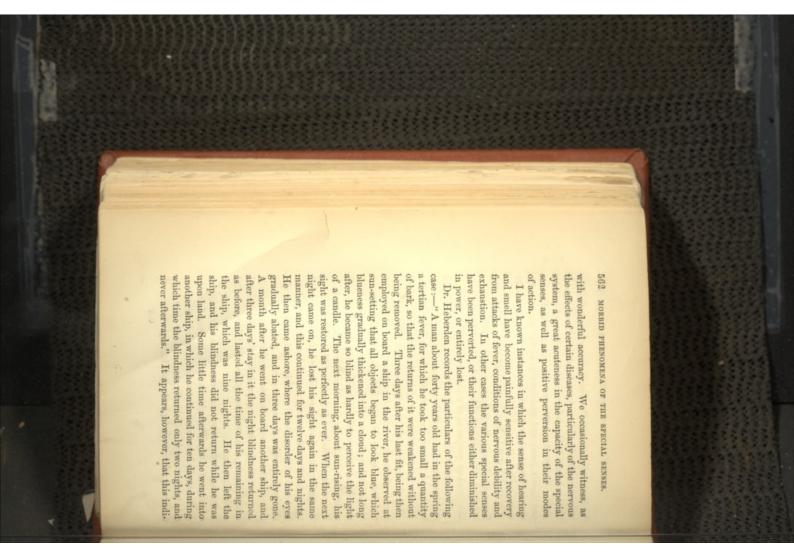
It is said that in some portions of China, and in the South Sca Islands, the natives are in the habit of exposing their victims as a punishment to what Falstaff terms, the " rankest compound of villanous smells."

In some persons the sense of hearing is in an exalted We occasionally observe unnatural manifestations and exquisite conditions of the sense of seeing, hearing, state of manifestation, the slightest sound coming from remote distances being at once perceptible. Celebrated secondly, to the careful education and long-continued exercise of this faculty, have had this special sense in a to detect with wonderful precision and quickness the slightest deviation from the correct score. He was touch, and taste, quite apart from disease of the brain. musicians, owing in the first place to the natural vigour and acuteness of the sense of hearing, and high state of activity. It is said of Mozart that, during Any aberration of harmony produced the most painful the performance of a most complicated piece of concerted music, he was able, among several hundred musicians, able also to name the instrument that was at fault. sensations in the nervous system of this wonderful musical genius.

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Among blind persons we often notice an extraordinary capacity of recognising objects by the sense of touch. A person who became blind at an early period of life, was able to distinguish individually, by means of the touch, a number of botanical plants, and to single them out,



563 vidual had previously laboured under an affection produced by the use of lead, which had left him in a state of much nervous debility. Notwithstanding this circumstance, this case clearly proves, that the affection is liable to be increased and brought on by local A lady of advanced age, lodged on the eastern coast of Kent, in a house that looked immediately upon the sea, and exposed to the glare of the morning sun. The curtains of her room were white, a circumstance which added to the intensity of the light. When she were white. This lasted the whole night, but in the had been there about ten days, she observed one evening, at the time of sunset, that first the fringes of the clouds appeared red, and soon after the same colour was diffused over all the objects around her, especially if they morning her sight was again perfect. This alternation of morbid with sound sight prevailed the whole of the time the lady resided on the coast, which was three Some remarkable instances are recorded of want of dition of the organs of vision. In some cases a morbid condition of this sense (symptomatic of centric disease weeks; and for nearly as long after she left it, at which power in distinguishing colours. These facts are important to bear in mind when testing the healthy con-SINGULAR DEFECTS OF VISION. time it ceased suddenly of its own accord. influences.

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Dr. Priestly has published a curious case of error of the brothers could form no idea whatever of colours, though he judged very accurately of the form and other colour in five brothers and two sisters, all adults. One of qualities of objects; hence he thought stockings were coloured and tinted.

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of the brain) consists in the patient not being able to

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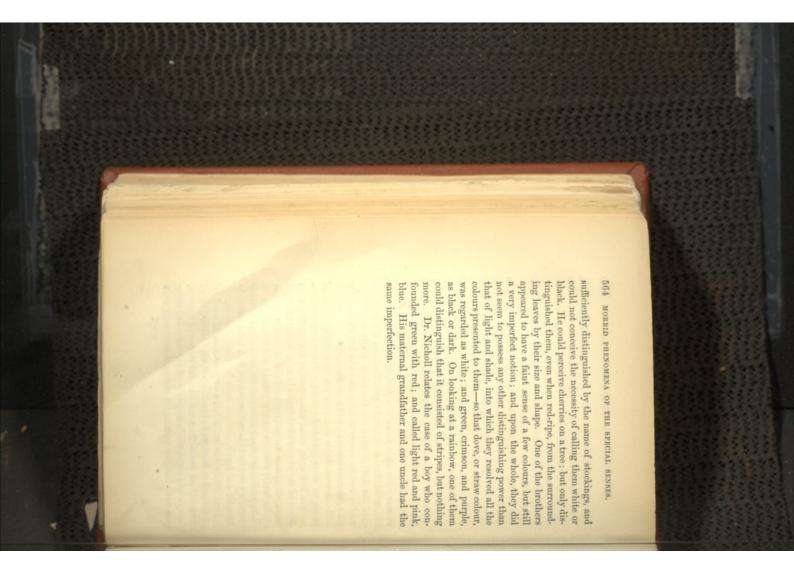
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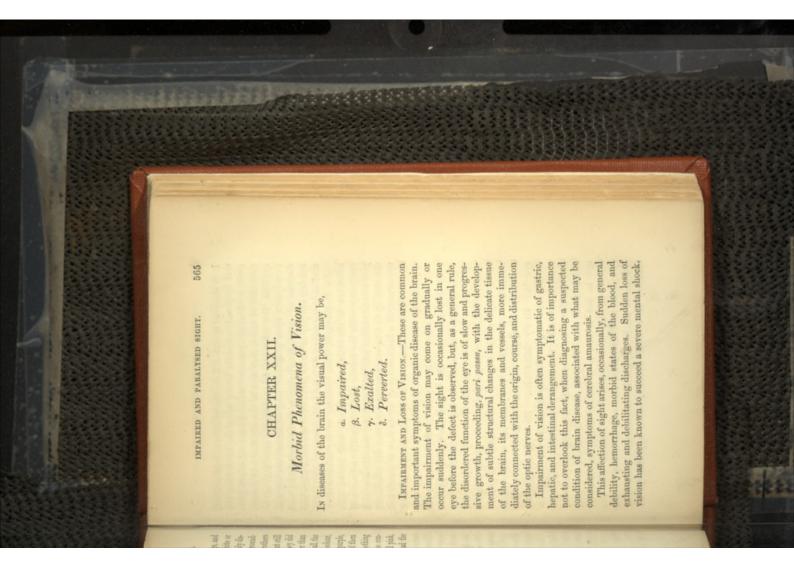
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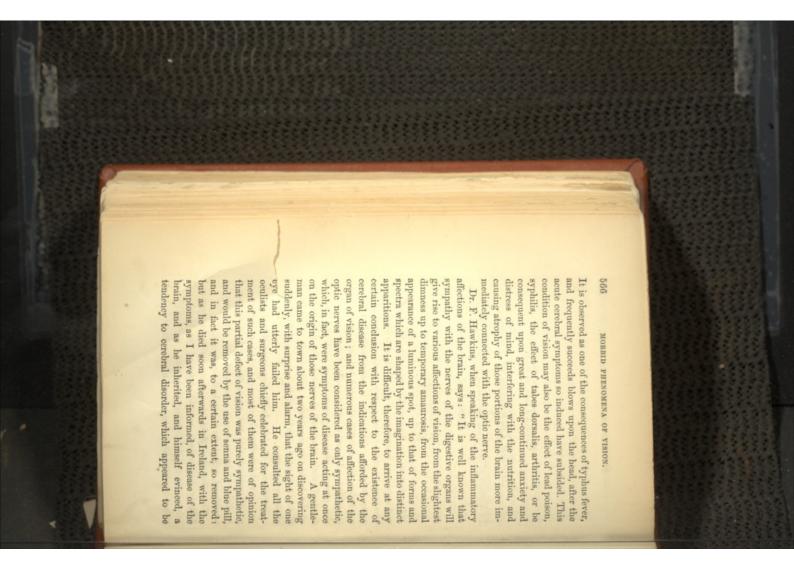
distinguish one colour from another, as well as in their

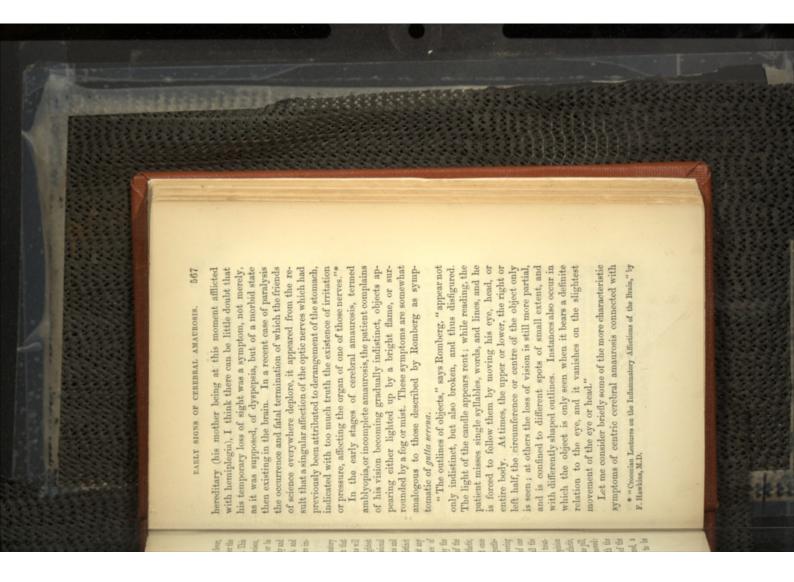
observing certain objects surrounded by a halo, variously

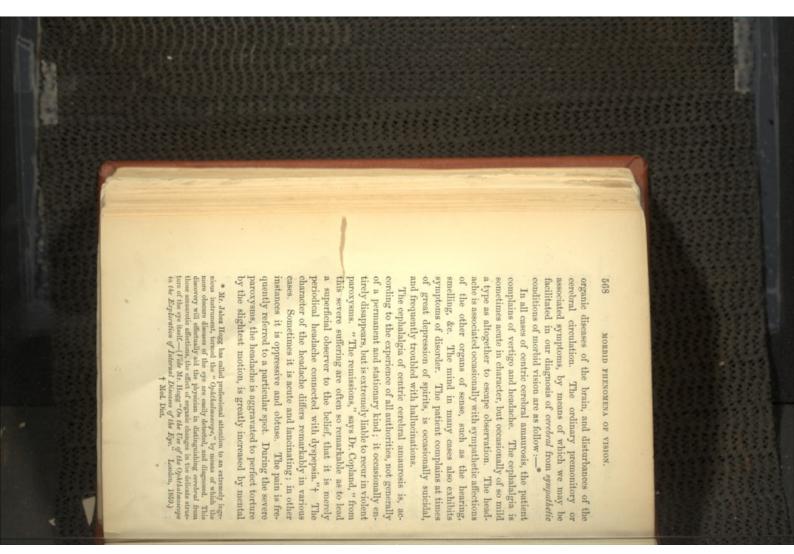
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DOUBLE VISION A SYMPTOM OF DISEASE OF THE BRAIN. 569

application, aggravated when the patient stoops, and becomes acute under the influence of stimulants.

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Dyspeptie symptoms, often accompanying a pain and sickness of the stomach, occur occasionally during the severer paroxysms of cephalalgia. When alluding to these symptoms, Dr. Abercrombie observes, "after some continuance of fixed headache, the organs of sense become affected, as the sight, the hearing, the taste, and smell, and occasionally the intellect." The loss of sight generally takes place gradually, being first obscured, and, after some time, entirely lost.

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Double vision soon supervenes. This condition may either be permanent or occur at intervals. A remarkable case is on record in which blindness took place rather suddenly, and, after it had continued some time, sight was restored by an emetic. The vision was distinct for an hour, and then, alas! was permanently lost. The intellect is frequently impaired in these cases, and sometimes the speech is lost. The morbid appearances after death present no uniformity.

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" In two cases there were tumours so situated as directly to compress the optic nerve; in another, a large tumour pressed upon the *corpora quadrigemina*; in a third, the disease was situated at the lower part of the anterior lobe; and in another, in which the right eye was affected, it was in the substance of the left hemisphere, near the posterior part. In a case by Drelincurtius, the disease was an enlargement of the pineal gland; and deafness, a large tumour was found, situated between the brain and the cerebellun."

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Amaurosis is occasionally the effect of local pressure on the optic nerve, or on some portion of the brain in its immediate neighbourhood. This affection arises from

* " Absrctombie on Diseases of the Brain," P. 318.

570 MORBID PHENOMENA OF VISION.

organic disease of the cerebellum, as well as the cerebrum, and from lesions in parts of the brain remote from the origin of the nerves of sight. The impairment of vision is often the consequence of white softening, abscess, and atrophy of the brain and other conditions of the tissue connected with disordered states of nutrition. This disorder, however, is not necessarily the effect of congestion, or organic alterations in the optic nerve or thalamus. Andral relates the particulars of several instances of disease of the cerebellum, accompanied by a complete loss of vision. This distinguished pathologist, when referring to these cases, says, "I am unable to account for the phenomenon. In two out of twelve cases of softening of the cerebellar lobes, blindness existed on the side of the body opposite the lesion."*

induration, abscesses of various kinds, tumours, tubersionally produce amaurosis, are such as result from inof the blood-vessels, aneurismal tumours, thickening of taining a serous or albuminous fluid, hydatids, fungus careous concretions, hygromatous tumours, cysts contumours of a fibro-cartilaginous nature, bony and calculous formations, adipose tumours, flesh-like tumours, flammation, softening (acute and chronic) serous effusion, coma, exostosis, &c. to the dura mater; diseases of the cranial bones, osteosa colour, and exhibiting the appearance and properties of the membranes, depositions of matter between their hæmatodes, melanosis, hæmatomatous tumours, disease coagulated albumen, which are most frequently attached laminæ; dense tumours of a uniform whitish or ash The organic diseases within the eranium, which occa-

In an amaurotic boy, who was attacked by mania a short time before his death, Beer found a considerable

· " Clinique Médicale," Andral.

571 AMAUROSIS FROM DISEASE OF THE BRAIN. spicula at the side of the sella turcica which had penetrated the optic nerve at the chiasma.

gitis, taking place at the base of the brain compressing The most frequent cause of amaurosis is a serothe chiasma of the optic nerve. The oculo motor nerve, from its close proximity, is generally involved in the albuminous exudation, commonly the result of menindisorder, so that convulsions or paralysis of the muscles of the eye are found to co-exist.*

and the state of t

" Amaurosis from organic disease within the cranium is class, unaccompanied by any remarkable symptoms, while under the second in the same situation, and of no larger size, they were associated with blindness, convulsions, or frequently complicated with epilepsy, apoplexy, paralysis, and affections of the mental powers. It is remarkable that tumours, for example, will be found under the first paralysis.

"It does not appear that these diversities depend either upon the size of the tumours, or, as far as we know at present, upon their particular structure. But these points remain to be investigated; particularly what diversity of symptoms is connected with the nature of the tumours, and especially with their characters as being tumours distinct from the cerebral mass, or as disease, more commonly affects one eye previously to, or " The loss of vision, which results from organic cerebral being indurations of the substance of the brain itself.

independently of, the other; and if both are attacked, the amaurosis is more rapid in one than in the other, but frequently at the commencement of the disease the field The patient complains of muscae volituates, scotoma, of vision is not equally obscure."

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* "A Manual of the Nervous Diseases of Man," by M. H. Romberg, M.D. Translated by E. H. Sieveking, M.D., vol. i, 232, London, 1833. * "Abererombie on Diseases of the Brain," p. 322, 323. ‡ "Tyrrell, "Cyclopedia of Practical Surgery," vol. i, p. 94.



or sometimes there is increased sensibility to light with apoplexy. organic change, and the retina, as far as can be ascervulsive movements of the globe or eyelids. As the quently objects appear distorted and confused with conluminous spectra and contracted pupil. Not unfrethe amaurotic patient is evidenced; the pupil becomes amaurosis becomes more complete, the vacant stare of appearance of the eye, and particularly of the pupil, is not tained, to be perfectly sound in its structure. But the The eye usually appears on examination free from all widely dilated and motionless, and the muscles convulsed admit of its being considered as of uniform occurrence.* and immovable, the exceptions are too numerous to to be depended upon, for, although it is usually dilated apoplexy. A locksmith experienced considerable vertigo for eight days. He then suddenly became blind. He Sudden loss of sight is occasionally premonitory of

for eight days. He then suddenly became blind. He remained in this state of vision for fifteen days, when he was seized with sudden deprivation of consciousness, followed by paralysis. His sight was gradually restored, but the hemiplegia continued.†

The impairment of vision which so often precedes apoplexy, may exist for some time without being recognised by the patient or his friends in consequence of the defect of sight being limited to one eye, the other compensating, as suggested by Dr. F. Devay (of Lyons), for the weakness of its fellow.

Total loss of sight, unassociated with other symptoms of brain disease, may exist for a long period antecedently to the manifestation of other symptoms of cerebral disorder. Baron Hornestein, whose case is cited by Wepfer, became blind three weeks before he was seized with a fatal attack of apoplexy.[‡] Dr. Young lost the sight of * " Codon's Medical Dictionary," vol. i. p. 66. [†] Andral.

ON THE EARLY DETECTION OF CEREBRAL DISEASE, 573

one eye from tumour of the brain some time before he was aware of the fact. It was not until he applied his eyes to a telescope, and found that the sight of σw was entirely lost, that he became acquainted with the morbid state of his visual powers.

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The amaurosis, so often associated with morbid states of the brain connected with apoplexy, occasionally continues after the patient recovers from the acute symptoms of the cerebral attack.

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A gentleman, after an applicatic seizure, lost his sight, and continued in a state of perfect blindness for about seven years. After that period, while one day out in his carriage, he suddenly recovered his sense of vision. It was subsequently found that he had entirely retained his skill in drawing, for which he was previously much distinguished.

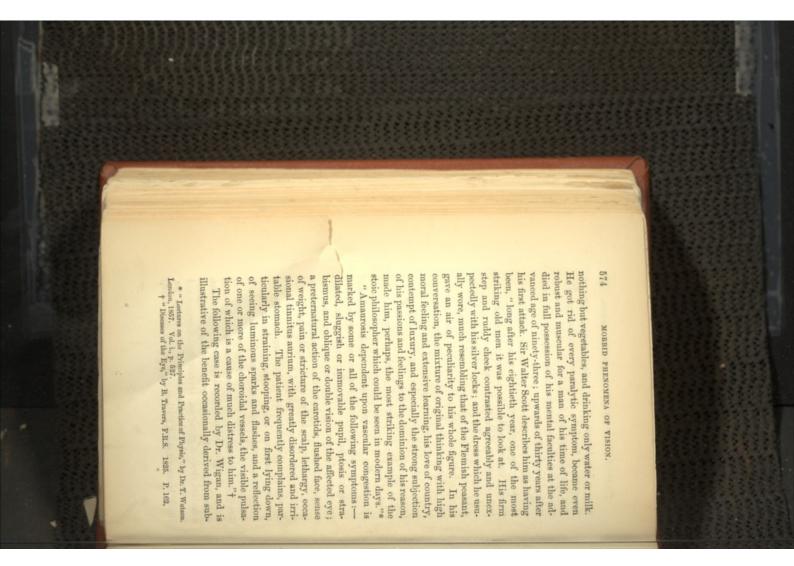
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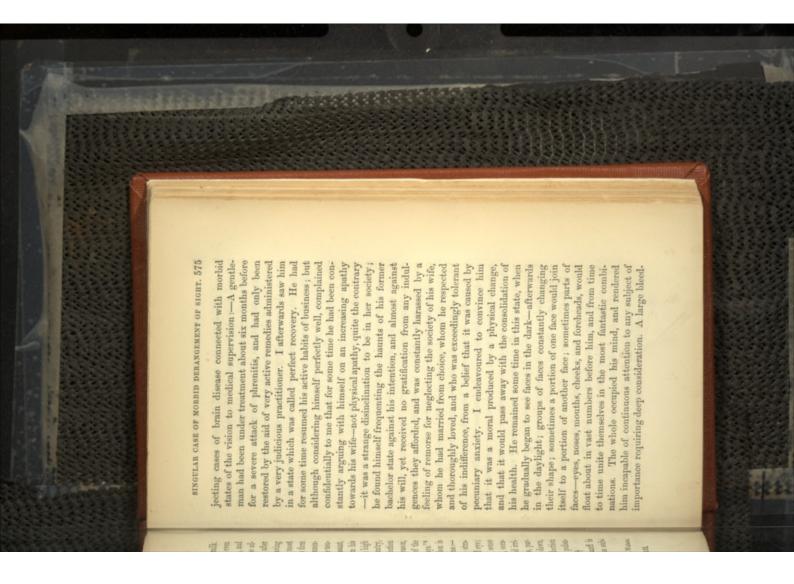
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Ferguson, the celebrated historian, as affording one of The late Dr. Gregory, of Edinburgh, was in the habit of mentioning in his lectures the case of Dr. Adam the strongest illustrations he ever met with of the benefit symptoms of cerebral plethora and apoplexy. Dr. Ferguson experienced several attacks of temporary blindness to be derived from an early attention to the incipient some time before he had an attack of palsy; and he did He observed that while he was delivering a lecture, his not take these hints so readily as he should have done. class and the papers before him would disappear, vanish from his sight, and reappear again in a few seconds. He was a man of full habit ; at one time corpulent and very ruddy, and, though by no means intemperate, he lived freely. I say he did not attend to these admonitions, and at length, in the sixtieth year of his age, he suffered a decided shock of paralysis. He recovered, however, and from that period, under the advice of his friend, Dr. Black, became a strict Pythagorean in his diet, eating

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576 MORBID PHENOMENA OF VISION

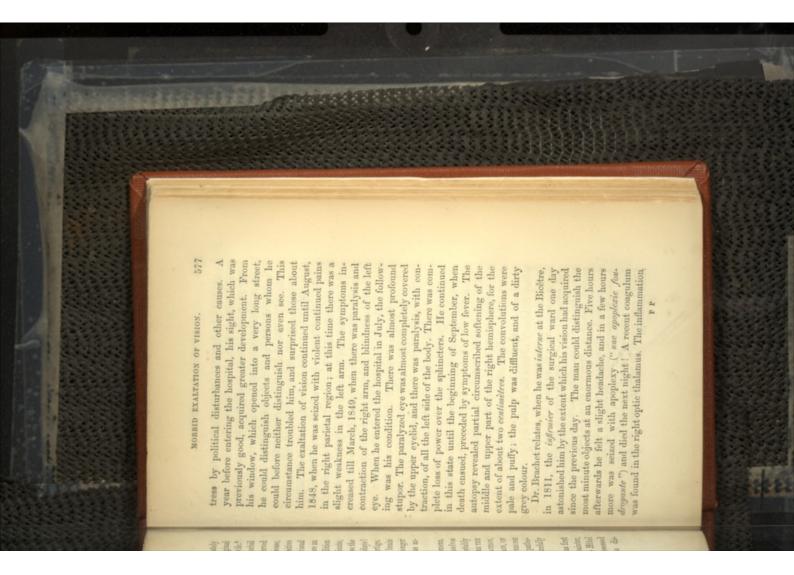
ing and a blister to the nape of the neck immediately delights in the society of his amiable and affectionate wife. restored him to vigorous health, and all his original of sight. If his eyes were exposed, even for a minute, attack of inflammation of the brain, had a painful condition capabilities. A young gentleman, a few days before an condition of the retina, or of his abnormal expanded visual the patient complaining either of an acute and sensitive among the premonitory symptoms of cerebral disease, exaltation of the sense of sight is occasionally observed symptom was precursory of apoplexy for at least ten days to the light, he shrieked with pain. In another case the quired an unusual degree of fineness." or shorter period before the attack, the sight has acdisease, "cases have been observed in which, for a longer Andral says, when alluding to this symptom of brain It was, however, associated with severe attacks of vertigo. HYPER & STHESIA, OR EXALTATION OF VISION .- A morbid

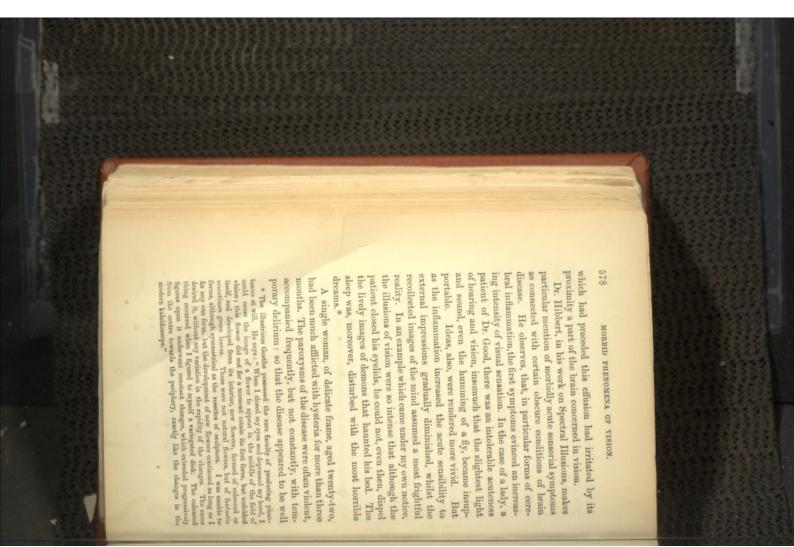
The existence of important morbid visual phenomena, like those previously detailed, manifesting themselves prior to the occurrence of hemorrhage, incontestably proves, as Andral sagaciously observes, that "BEROBERTHE MLOOD IS EVEVER, THERE IS ALREADY SOME MORBID ACTION, MUTHER CONTINUOUS OR INTERMITENT, IN THE BRAIN, OF WHICH IT WOULD BE IMPORTANT TO DETERMINE THE PRECISE NATURE." How significantly does this sagacious pathologist point out, in this passage, the necessity of carefully studying the *principits obsta* of cerebral diseases! In the following case disease of the brain was first indicated by an acute condition of vision. A painter,

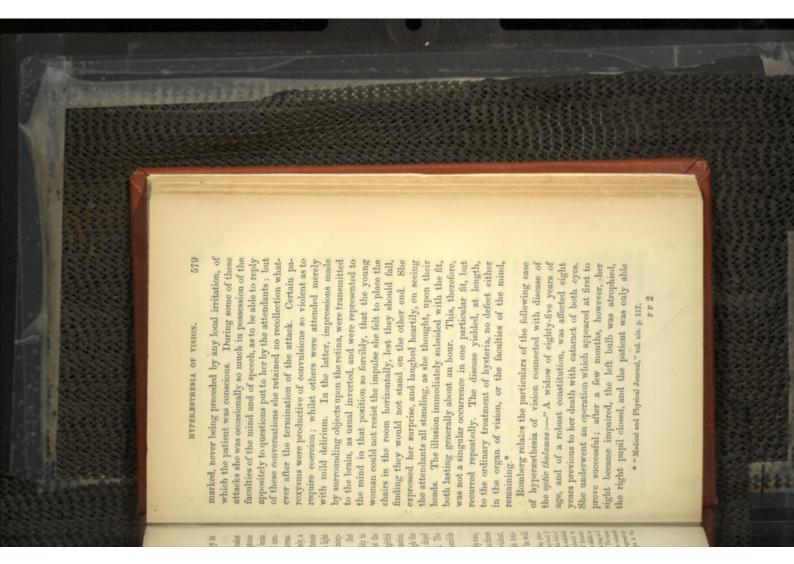
of some talent, had been gradually reduced to dis-• "On the Duality of the Mind," by R. Wigan, M.D. + Andral," Clinique Médicale," tom.v. aged thirty-two, was admitted, in 1849, into the Hôtel

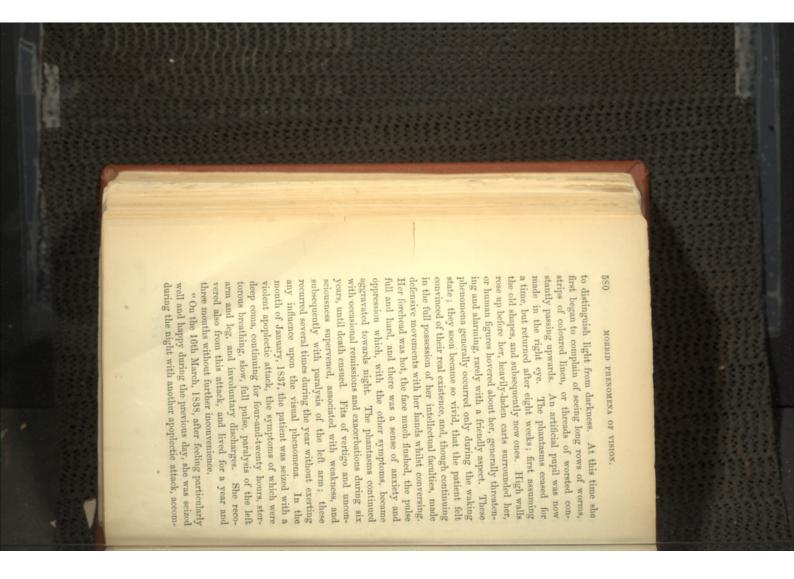
This young man, who was possessed

Dieu, at Lyons.









581 PERVERSION AND ABERRATION OF SIGHT.

She panied by complete hemiplegia of the right side. died in the evening of the following day."

from the external edge of the posterior lobe and the surface, there was discovered a cavity of the size of a plum, of blood in the middle and posterior lobe of the left hemisphere, near the corpus striatum and the optic The latter was converted into a greyish pulp. In the right hemisphere of the cerebrum, not far invested with a reddish membrane, containing a small quantity of ochra fluid. There was fresh extravasation The optic nerves and the chiasma were in a normal condition. An examination of the retina was not permitted. DERANGEMENT, PERVERSION, OR ABERRATION OF SIGHT. These morbid phenomena will be found more frequently symptomatic of disease of the brain than impairment, thalamus.

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Such morbid states of the eyes vary from slight disocula spectra, and phantasms. The physiognomy of the symptom should be accurately observed. The eyes present occasionally an unnatural brightness, and the vision an intensity of power, when the patient's attention is consentrated upon any object, or if engaged in exciting turbances and irregularities of sight to actual illusions, eye is peculiar in these cases of brain disease. This oss, or exaltation of the function of vision. topics of conversation.

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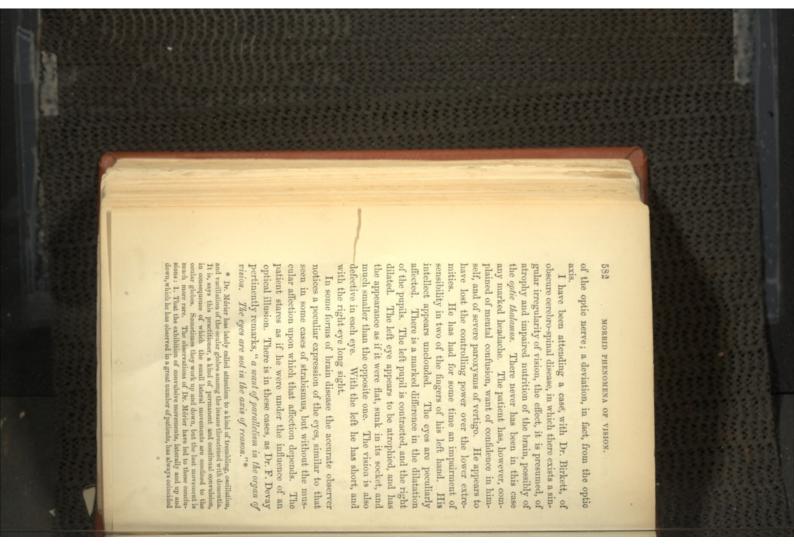
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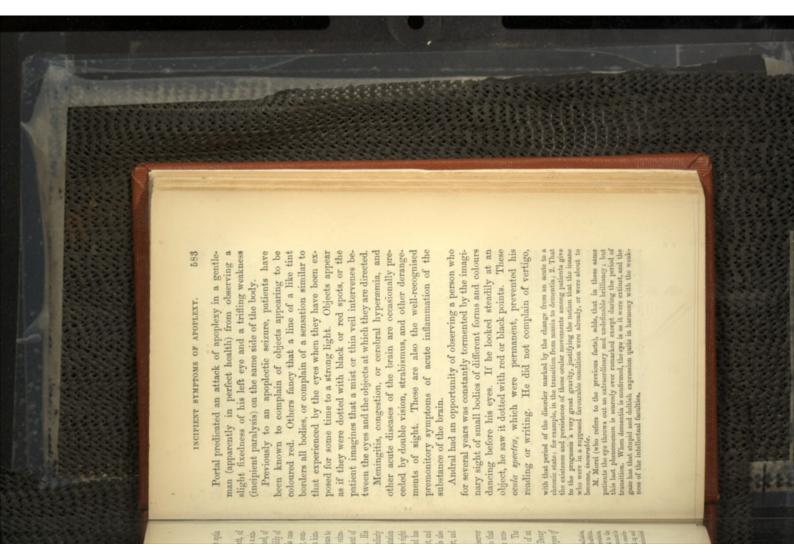
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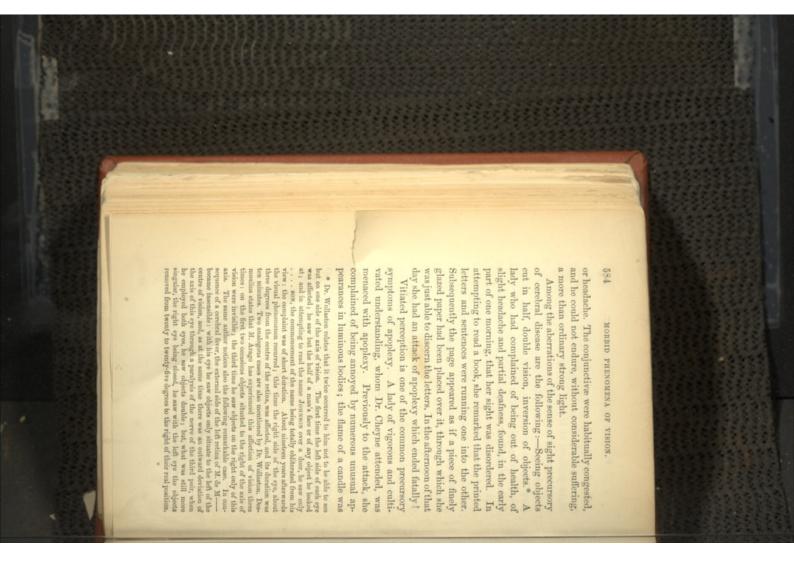
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Again, in some conditions of cerebral disorder, the nany minutes, continuously, upon any one point or object. There is an evident want of control over the sight, the vision ceasing to obey the mandates of volition. Occaionally, the patient exhibits a propensity to stare at natient is conscious of an inability to fix his eyes for objects; there is a fixed expression of the eyes assopiated with an apparent immobility of the pupil.

There is often observed in these cases what has been termed by Romberg, a destruction of the motor parallelism







MORBID LUMINOUS PHENOMENA. 585

enlarged to the shape of a tulip, and with a red centre; the moon appeared oval with a central portion of a bright scarlet. All distant objects were hazy, yet she read and wrote without any difficulty.

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A gentleman complained a few hours before he was attacked with paralysis of his being able to recognise only half of everything he saw. If he looked at a person, there appeared to be but one eye, half of a nose, and mouth. In another case, every part of the body was enveloped in a thick mist. This was among the premonitory signs of a severe headache excited alarm as to the state of the brain.

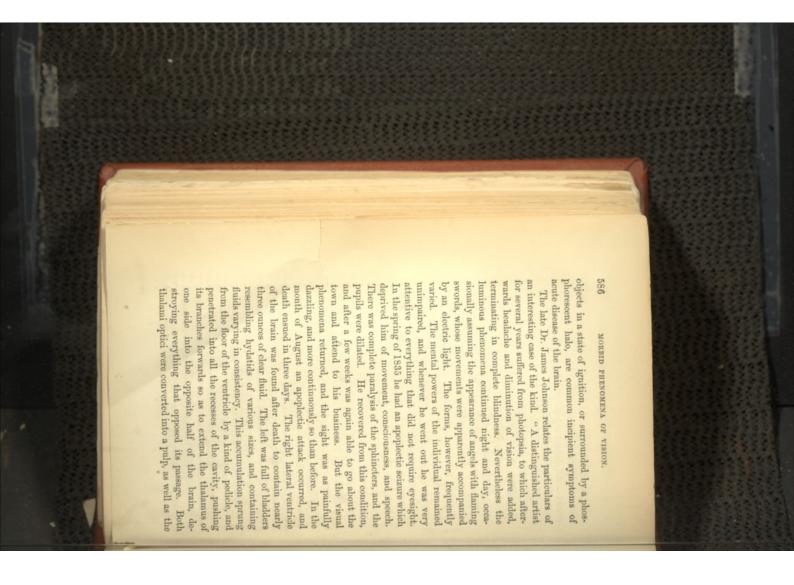
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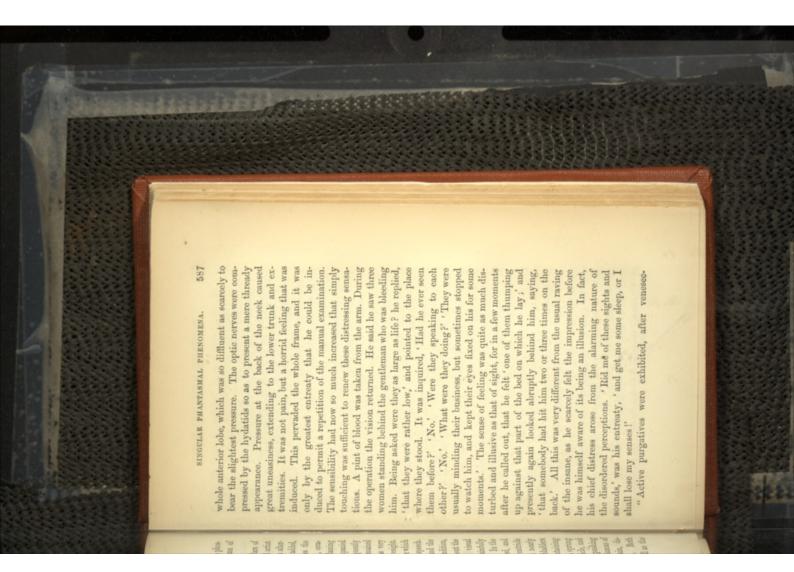
官省首先合首

When speaking of the affections of vision connected with cerebral hæmorrhage, Andral remarks, "Sight is duals struck down with apoplexy and affected with by patients, who describe them in different ways; some are attacked with apoplexy, have the sight modified for a sometimes, but not always, disturbed. We see indiviparalysis and loss of sensation, where, nevertheless, consciousness and vision remain. Different sensations, resee the light as through a cloud, just as on the onset of sulting from disturbance of this function, are experienced say that they have motes before their eyes; others, they cataract-yet here the crystalline lens is clear; others see various colours. Sometimes, those who at a later period longer or shorter time before the attack in such a manner that all objects appear double, a symptom which is sometimes transient, being present one day and not another. In other cases the loss of sight is nearly complete, but such cases are very rare. When the sight is lost, this may take place on one side or on both ; and this blindness coincides with the loss of numerous other senses."* Photopsia, or the appearance of luminous phenomena,

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* "Clinique."







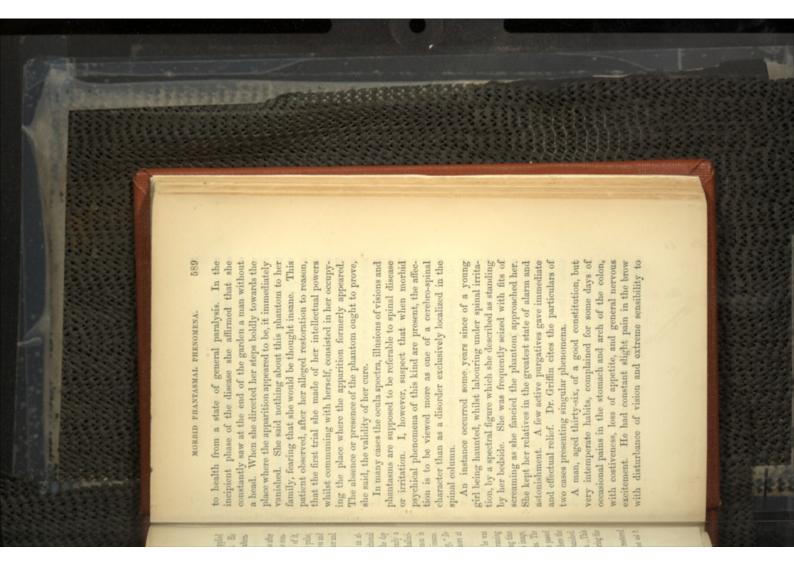
tion was performed. Subsequently a blister was applied over the ninth dorsal vertebra with great benefit. He soon recovered under the continued use of gentle alterative aperients, combined with counter-irritation.

"He had a recurrence of the attack some months after in consequence of hard drinking; but though he complained more of the head, especially at the back of it, there was no material fulness or frequency of the pulse, or febrile irritation. He was relieved by purgatives and blistering, and was afterwards treated with camphor and other nervine medicines."

A nobleman, for some weeks previously to an attack of apoplexy, was subject to a ourrious phantasmal phenomenon. He, on several occasions during the day when suffering from acute headache, saw clearly a spectral image resembling himself. This form of hallucination is termed deuteroscopia. The phenomenon is considered of rare occurrence, even among the insane. Aristotle refers to this type of illusion in his essay, " De Memorià et Reminiscentià," but it is explained more at length in his Meteorology.

A certain Antipheron, Aristotle says, when he was walking, saw a phantasmal reflexion of himself advancing towards him. A traveller who had passed a long time without sleeping, perceived one night his own image, which rode by his side. It imitated all his actions. The horseman having to cross a river, the phantom passed over it with him. Having arrived at a place where the mist was less thick, this curious apparition vanished. Goethe relates having had a similar halucination. This form of hallucination is frequently observed during the delirium of typhoid fevers.*

Morel relates the case of a lady who was restored * "Anatomic Comparée du Système Nerveux," par Fr. Leuret and P. Gratiolet, Paris, 1857, P. 539.



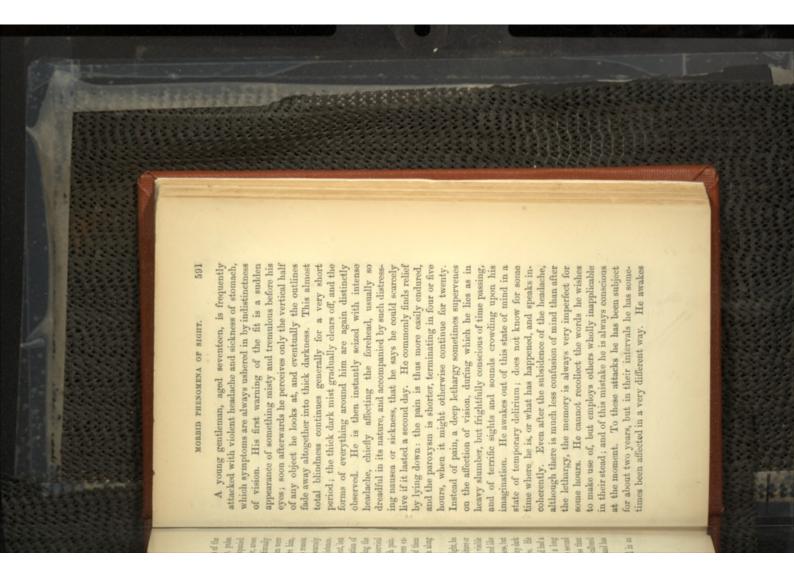
MORBID PHENOMENA OF VISION.

590

went and came, renewing his anxiety and irritation of the spine to the sacrum. cessively tender, the slightest pressure on any of them spine tenderness was found at the three upper cervical mind as often as they appeared. On examining the avoid believing that they had an absolute existence. assured him they were mere illusions, he could scarcely sometimes so plain and distinct, that although his reason wholly unknown to him, were frequently before him, troubled. Figures of persons, almost all of whom were from optical visions, with which he was continually with great anxiety. His chief distress, however, arose about ninety. He had a pain in his chest, accompanied senses. His eyes were suffused, tongue white, pulse noise, conjoined with a morbid state of exaltation of the occasioning an exceedingly distressing sensation along The eighth, ninth, and tenth dorsal vertebra were exvertebrae, pressure on any of them exciting much pain. They were not always the same nor always present, but

J. H., aged fifteen years, complained that, at night, he invariably became blind : he could not see the furniture or people about the room, when they were perfectly visible to every one else. The candle or fire-light appeared like a broad red haze, just distinguishable from darkness, but making nothing perceptible. He could perceive any dark object between him and the light, and no more. He was affected in this way for about a fortnight, and had a similar complaint a year ago, which continued a long time. There is great tenderness on pressing the second cervical vertebra. He perfectly recovered in less than forty-eight hours, by a small bleeding, an active calomel purgative, and a blister to the nape of the neck, and has since continued well.

In the following case the vision was affected in an extraordinary manner.



MORBID PHENOMENA OF VISION.

592

suddenly out of his sleep at night in dreadful approhension, for which he cannot account. There is a continued crowding and rushing of ideas through his mind. He feels as if everything he did, and all that was done about him, passed over with a frightful and hurried rapidity. This at last wears away, and is generally, even from the first, more or less under the influence of his will; an effort to check the current of his ideas, and divert it into another direction, frequently proving successful.

On examination, there was found great tenderness of the second cervical and of the seventh or eighth dorsal vertebre. When this last was slightly pressed upon, he felt a horrible sensation shoot through his whole firame. It was quite indescribable, and nearly made him faint. He expressed the greatest apprehension at the thought of the pressure being repeated, and had a disagreeable feeling in his back for the entire day afterwards.* Stransistics.—This is occasionally observed among the early signs of disease of the brain, particularly in the eerebral affections of children ; and, if present, should be earefully noted. A slight squint in the eye has occasionally been found precursory of an attack of apoplexy, and is often diagnostic of the commencement of effusion on the brain.

A gentleman, who had complained for a few days of headache and depression of spirits, was observed, whilst at dinner, to have strabismus. A few minutes subsequently, he dropped down in a fit of apoplexy. Illustrations of a similar character could be cited, in which other forms of acute brain disease have been ushered in by this symptom.

DOUBLE VISION .--- I have not yet spoken of this per-

Fide "On Functional Disorders of the Spinal Cord," by W. L. D.

593 version of sight. It is one of the most important precursory symptoms of disease of the brain. This sign of cerebral disease is of great practical value and diagnostic significance, and never should escape attentive observation. It is often the first indication of acute mischief originating in the brain, and occasionally in the obscure cerebral diseases of children it constitutes an important symptomatic of gastric and hepatic disorder, but when diagnostic sign. This aberration of vision is occasionally ache, lowness of spirits, morbid conditions of the sensorial or motorial powers, we cannot be too closely observant of associated with persistent or paroxysmal attacks of head-Attacks of apoplexy, paralysis, cerebritis, and meningitis have often been preceded by double vision. Dr. Watson relates the following case in point :- "Dr. Gregory was acquainted with a sportsman who, one day when out shooting, disputed with his gamekeeper as to the number of dogs they had in the field. He asked how he came to bring so many as eight dogs with him. The servant assured him there were but four, and then the gentleman became at once aware of his situation, mounted his horse, and rode home. He had not been long in the MORBID PHENOMENA OF HEARING. This sense is variously affected in different morbid states of the brain and disordered conditions of the cerebral circulation. In some cases there is observed, in connexion with subtle changes Occasionally, among the incipient symptoms of cerebral disease, there is a sudden paralysis of the auditory nerve, of structure within the cranium, complete loss of hearing. In other instances, this special sense becomes obtuse. In some patients it is perverted, and in particular forms of disease of the brain an exalted condition, or hyperesthesia house when he was attacked by apoplexy, and died." 00 MORBID PHENOMENA OF HEARING. the state of the patient's brain. of the faculty, is developed. Alt

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594 MORBID PHENOMENA OF HEARING.

destroying all sense of sound. These extreme cases are not, however, of common occurrence. The symptoms most generally noticed in the insidious affections of the brain, in relation to the faculty of hearing, are either a gradual, progressive impairment, or obtuseness of the sense, or an intensely morbid exaltation and aberration of the faculty. A disordered state of hearing is one of the most frequent symptoms attendant upon those extremely dangerous affections of the internal structure of the ear involving the bones, membranes, and ultimately the brain itself, which are so frequently preceded, for a length of time, by a chronic puralent discharge from the external meature, known by the name of otorrhora, and often connected with

the hearing often becomes painfully acute. chronic meningitis, or cerebral suppurative inflammation. thunder, and conversations that are taking place in remote whisper reverberates through the ear like the noise of occasionally becomes in certain forms of delirium. I patient whilst in this state of auricular hyperasthesia. parts of the house are clearly and distinctly heard by the occupying a room at the top of the house, to hear with this phenomenon in the early as well as advanced stages remarkable clearness the conversation taking place in the he was able, when in a state of cerebral exaltation, whilst was informed by a distinguished living physician that kitchen. I have witnessed some remarkable instances of In the incipient stage of certain affections of the brain It is extraordinary how acute the sense of hearing The faintest

of brain disease. Dr. Elliotson attended a gentleman, about forty years of age, who had suddenly an attack of hemiplegia, and whilst in bed he heard the least sound at the bottom of the house with an acuteness which surprised him; and could tell the hour by a watch placed on a table at such a distance from his bed as to have rendered it impossible for him to distinguish the hands when he was in health. EXALTATION OF THE SENSE OF HEARING. 595

A patient, for nearly a week previously to an attack of inflammation of the brain, complained to those immediately about him of great exaltation of the sense of hearing. In another case, for a few hours prior to an apoplectic seizure, the patient remarked to his son that, when in a distant part of the house, he could, and, in fact, did hear distinctly a conversation that was taking place in the dimig-room at a time when no one else could distinguish the sound of human voices !

T

I have often witnessed in the brain affections of children, particularly in scrofulous diseases of this organ and its investing membranes, a sudden acuteness of this sense preceding the manifestation of more formidable and fatal cerebral symptoms.

祖道道

Insanity is occasionally ushered in by hyperesthesia of hearing. This is not an unfrequent symptom of approaching mental derungement. In the premonitory stage the patient often complains of great sensorial activity. He sees what no other person is able to recognised smells offensive and disagreeuble dours not recognised by those near him, and hears noises and voices appreciable only by himself. This condition of disordered acuteness of the senses is often witnessed for some time previously to the patient manifesting any observable *disordicon* of intellect characterized by illusions or hallucinations. When the mind is losing its bahance in the invision.

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When the mind is losing its balance in the incipient stage of insunity the patient will be heard to ask rather anxiously those about him, " Did yow not speak?" " Did yow hear a voice?" "I thought," repeats the patient earnestly, "I heard some person calling wy name," "Surely there wust be some one in the room or outside the door addressing we." Such were the nervous ejaculations of a patient to his wife three or four days prior to an attack of furious delirium, associated with frightful hallucinations, resulting unhappily in suicide.

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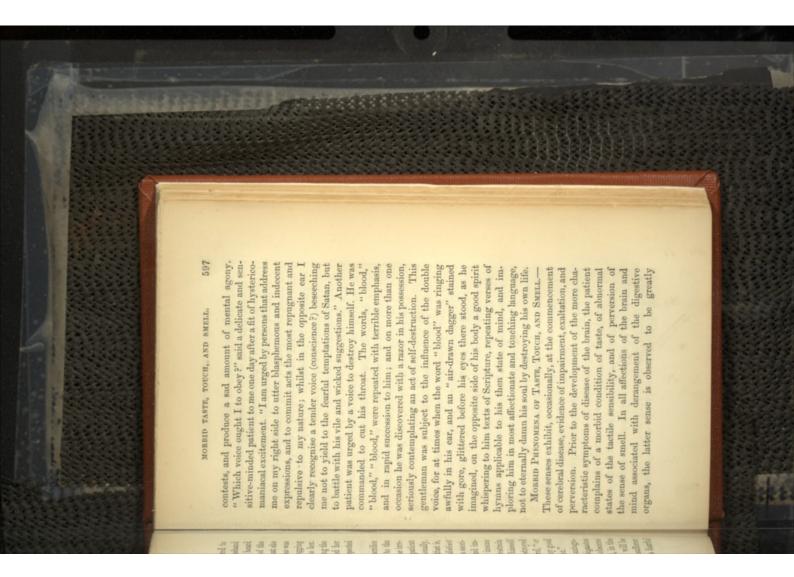
MORBID PHENOMENA OF HEARING.

596

A lady, a fortnight before her mind was considered to be deranged, was in the habit of waking her husband several times during the night, imagining that she heard the voices of persons in the room or in some part of the house. On one or two occasions she declared that she house. On one or two occasions she declared that she house was able to be a solved of her mother (who was distinctly recognised the voice of her mother (who was then in New Zealand) calling her by name, and begging then in New Zealand) calling her by name, and begging then in New Zealand) calling her by name, and begging then in New Zealand) calling her by name and examining the whole of the house before she would be persuaded her mother was not there. At this time no one suspected that these were incipient symptoms of insanity.

sistible influence of an imaginary voice, many a patient commission of both murder and suicide. Under the irreof life, occasionally impelling its unhappy victim to the the patient is subject to the influence of two distinct the illusions of hearing are of a double character, that is is driven to acts of violence and homicide. Occasionally, to be demoniacally possessed. "I should have destroyed me, impulses. "My bad voices urge, my good voices restrain fice life, the other a restraining voice, begging and imvoices, a good and a bad voice ; one inciting him to sacriangel had not begged and encouraged me to suffer. myself long ago," said an insane person to Dr. Morel, " or ploring the patient not to yield to his dangerously insane I should have killed somebody else, if the voice of my good These illusions of hearing often lead to a sad sacrifice ' was the remark of a patient who believed himself

Patients are often seen contending with these antagonistic illusions, or "double voice," as Morel designates the phenomenon. In one ear the most frightfully obseene ideas are suggested; whilst at the same moment, in the opposite one, sentiments of the greatest purity will be whispered to the disordered imagination of the sufferer. These antagonistic and opposing illusions lead to fearful





affected; but there is no special and characteristic symptom in connexion with either of them pathognomonic of the commencement of organic disease of the brain.

The insane, in the incipient stage of their malady, are

often heard to complain of being exposed to the influence of most offensive and noxious smells. The predominant odours noticed by patients in the early period of their mental alienation are those of sulphur and putrid bodies. A lady declared that her inside was in a state of putrefaction, a fact she recognised by a particular exhalation from her body for some months before her intellect was palpably deranged. She was frequently heard to complain of the offensive odour, but no one suspected her mind to be in the slightest degree affected, until one morning she left home before breakfast, and going to a neighbouring police-station, accused herself of having committed a serious criminal offence.

The tactile sensibility is frequently observed to be disordered in the early stage of paralysis. The patient will be heard to complain of a feeling of numbness or want of sensation in the ramifications of the nerves at the tips of the fingers. This condition of anesthesia often extends to the fingers, and sometimes to the whole of the hand. I have known this local impairment of sensibility to exist for many months previously to the recognition of more decided manifestation of disease of the brain. This lesion of sensation often precedes attacks of general paralysis. Professor Simpson, of Edinburgh, has alluded to the morbid phenomenon. Patients suffering from incipient general paralysis, he says, often complain of their fingers "feeling like sunsages." A tailor who died of this disease, lost all sensation at the tips of his fingers for twelve months previously to any suspicion existing as to

* During a discussion at the "Medico-Chirurgical Society of Edinburgh," on a poper read by Dr. David Skae on "General Paralysis of the Insang," Feb. 1, 1860.

EXALTED TACTILE SENSIBILITY.

599

the healthy state of his brain. He was unable to work with his needle, as he never knew, owing to the anesthesia, when he had it between his fingers.

食習

I have referred in a previous part of this volume to the loss of sensation that occasionally occurs at the peripheral terminations of the nerves in the incipient stage of paralysis. Dr. Todd cites a case of hemiplegia that commenced six months prior to admission into King's College hospital, with a sensation of tingling and priching in both hands, and a considerable amount of numbness about both ellows, just as if the ulnar nerve had been jarred, or in the patient's own words, as if he had struck his furny-bone. Accompanying these symptoms there was a sensation of heat in the fore-arms, and he soon became unable to button his clothes or pick up any small object with his right hand.

The second secon

Occasionally, the sensation at the tips of the fingers will be observed in a state of great exaltation. A morbid irritation in this part of the hand often co-exists with insanity, as well as with other types of nervous disorder. The habit of biting the nails to the quick, and gnawing This local hyperesthesia is occasionally observed among ing itself. Her family are able to predicate the approach of the paroxysms of insanity by this symptom. It is difficult to explain physiologically or pathologically the the tips of the fingers is very common among the insane. In many cases of mental exaltation, irritation, hysteria, and anxiety, unassociated with insanity, there is often manifested a morbid degree of exalted tactile sensibility. the incipient symptoms of mental derangement. A lady who has had several attacks of insanity, is annoyed by an intense irritation at the ends of the fingers, for some weeks previously to positive alienation of mind exhibitrelation between certain cerebral and mental disorders and this type of exalted local sensibility.

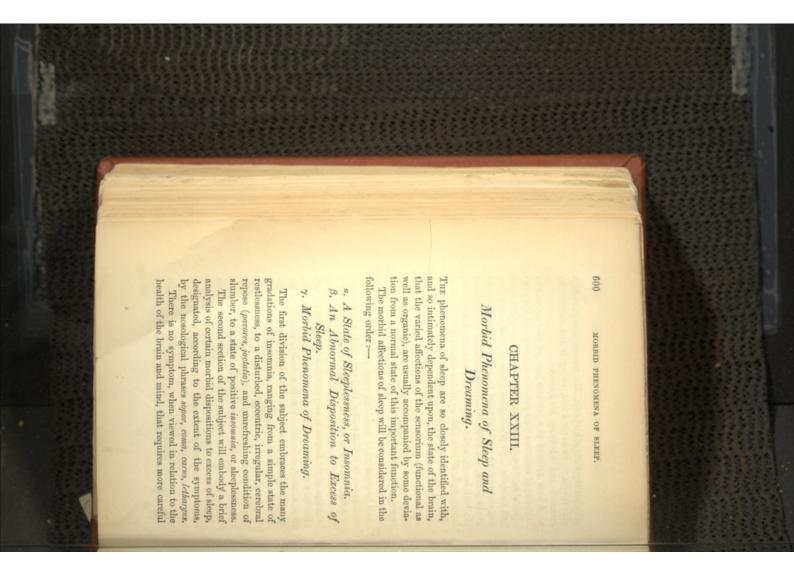
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601 SLEEPLESSNESS OF INCIPIENT INSANITY.

and unremitting attention than that of insomnia, or tants of some types of incipient brain disease, and in wakefulness. It is one of the most constant concomi-

and uninterrupted sleep are essential to the preservation It is an admitted axiom in medicine, that the brain cannot be in a healthy condition whilst a state of sleeplessness exists. Sound, continuous, unbroken, regular, of the mental and bodily health. Any interference with this important function or state of cerebral rest, seriously damages the health of both body and mind.

We cannot too zealously guard against, or too morbid affections of the mind, ought never to permit a anxiously watch for, the first approaches of this characcondition of sleeplessness, or even a state of disturbed and broken rest, to continue for many consecutive nights, without seriously considering their state of bodily, In the premonitory stage of some forms of acute teristic symptom of incipient brain and mental disorder. Persons predisposed to attacks of cerebral disease and cerebral, and mental health.

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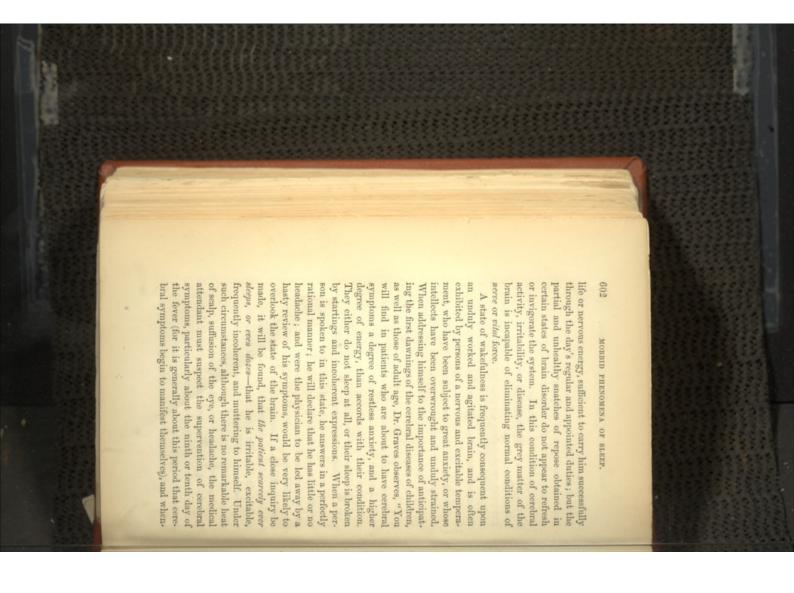
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insanity, and particularly of delirium tremens, the patient is in a constant state of sleeplessness by night and restlessness by day. His repose, at first, is broken and disturbed. He slumbers lightly, and has only snatches of sleep. If asleep, the slightest noise or rufile aroused he looks like a person whose eyes had never been of the bed-clothes, awakens him; and when suddenly closed in sleep ! This is a characteristic and significant symptom of the insomnia of incipient insanity.

In conditions of healthy sleep the vital energy or nerve force is supposed to be reproduced, evolved, or regemences his morning's work, whether it be of a mental or nerated in the vesicular neurine, and the individual commuscular character, with a renewed supply of the powers of

many cases a certain forerunner of insanity !



SLEEPLESSNESS OF INCIPIENT INSANITY, 603

ever these premonitory indications are observed, the physician should not hesitate to take proper measures to anticipate the evil. In other cases, the encephalic symptoms are ushered in by drowsiness. The patient seems otherwise well, *but he sleeps too much*. About the ninth or tenth day he begins to rave, and exhibits undoubted proofs of congestion and excitement of the hain. To be put on our guard is to be armed in such cases."*

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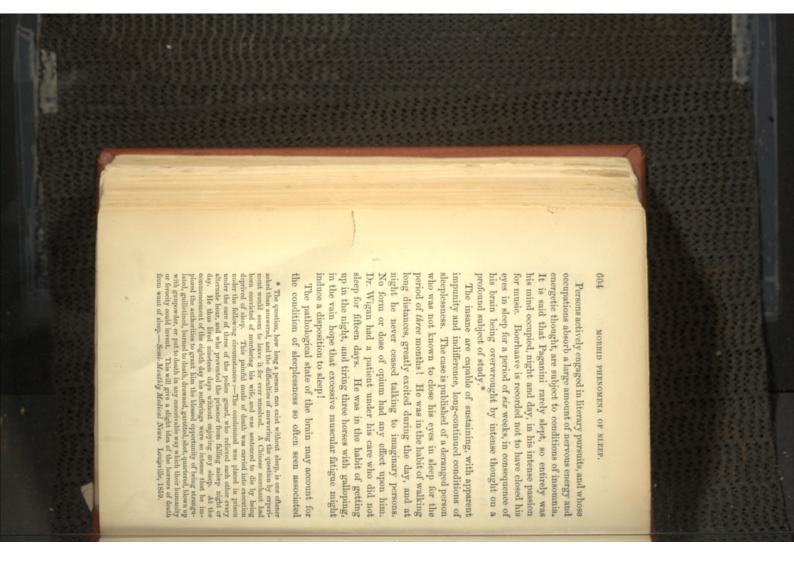
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In some forms of cerebral irritation and capillary congestion the patient feels an intense and overpowering desire to sleep. *He experiences a heavy and drowsy sensation, but is mable to close his eyes in slumber for many minutes.* He often continues for hours in this state of semi-sleeplessness or morbid drowsiness, without actually sleeping or feeling at all refreshed. This condition of the brain, if permitted to continue for any lengthened period, is productive of much, and often fatal, mental and bodily mischief.

Cases of what may be termed idiopathic sleeplessness occasionally occur, in which the intellect is not (for a period), in the slightest degree disordered. Persons have been known to remain in this state of insomnia for several weeks, never closing their eyes for face continuous minutes in sleep! In one female patient the state of sleeplessness arose from a severe shock which she had received, consequent upon finding her husband, in the middle of the night, dead by her side, he having refixed to bed apparently in excellent health. In these cases, the patients are seldom heard to complain of the want of sleep ; they appear to experience none of the usual sensations of bodily and mental fatigue, physical uneasiness, and discomfort, which follow ordinary states of partial and incomplete repose.

· " Clinical Modicine," by Dr. Graves.



PATHOLOGY OF SLEEPLESSNESS.

605

with insanity, but in many cases the insomnia connected with mental derangement arises from a complete absorption, abstraction, concentration of the thoughts and pre-occupation of the mind, in some terrible and fearful form of illusion, or frightful type of hallucination, that has firmly seized upon the morbid imagi-

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The snatches of transient repose which those so unhappily afflicted are able to obtain, nation.

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" Are not sleep, But a continuance of enduring thought."

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the incipient periods of insanity. The absence of a complain of not being able to sleep. In all cases it is When I interrogate parents on the incipient phenomena difficulty form an idea of the tenacity of sleeplessness in and it ordinarily happens that in the confirmed stage of sleep among the insane is seldom observed except in confirmed dementia, and in the condition of melancholy with stupor. Even in their convalescence, patients often "Sleep is one of the functions which, among insane cially in the period of incubation of insanity that the absence of sleep presents itself as an important symptom. of the disease of their relations, they never fail to inform me of the deprivation of sleep as one of the greatest sufferings that they have had to endure. One can with function so eminently reparative increases the conditions insanity sleep is more and more disturbed. Complete patients, undergoes the greatest changes. It is espeof irritability in which the insane are generally found, frequently interrupted.

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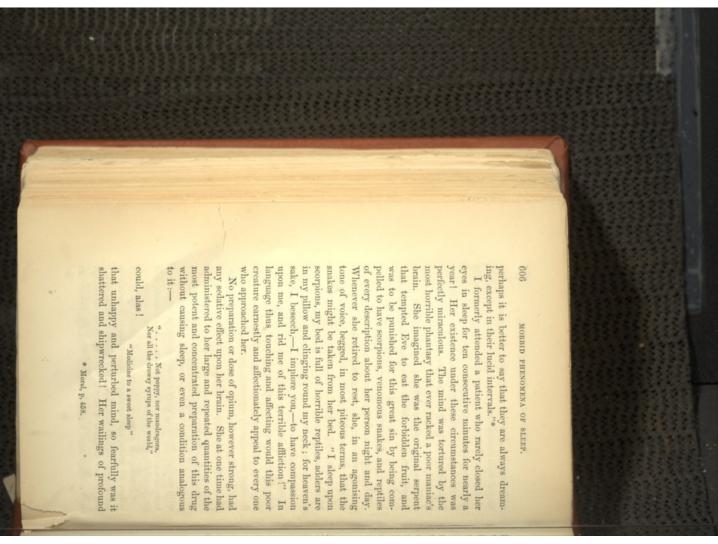
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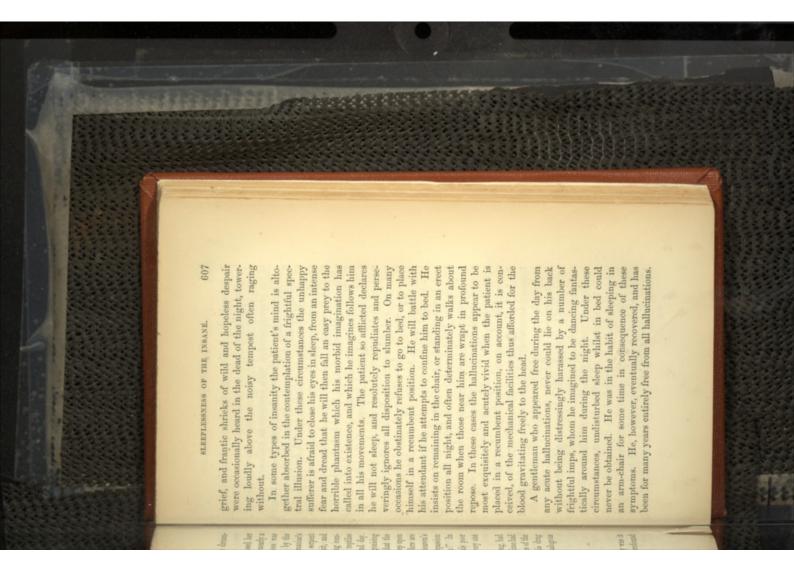
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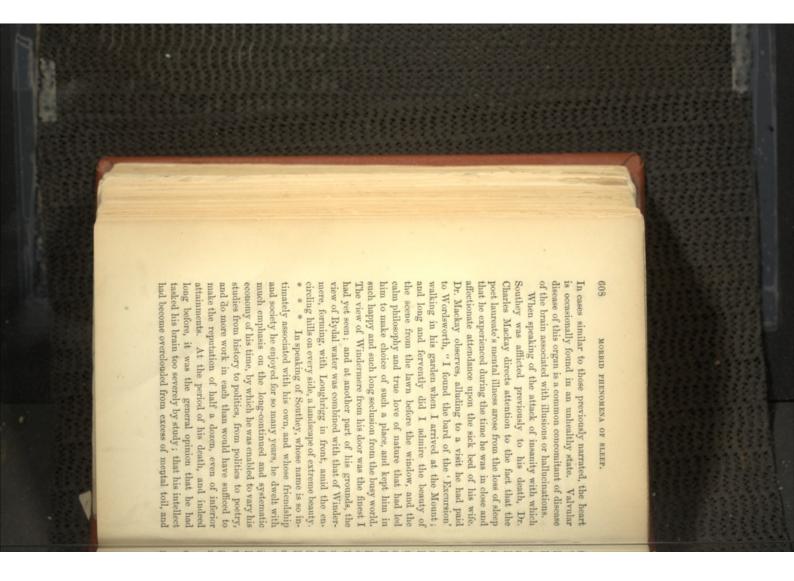
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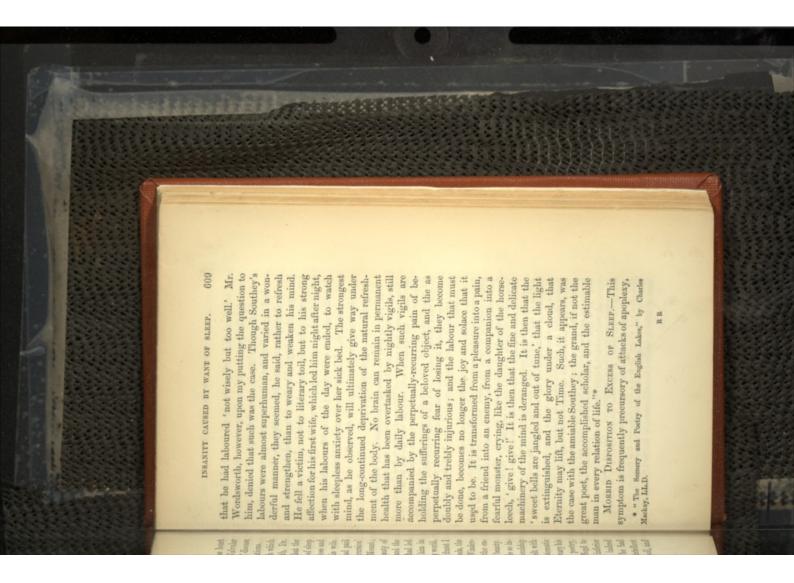
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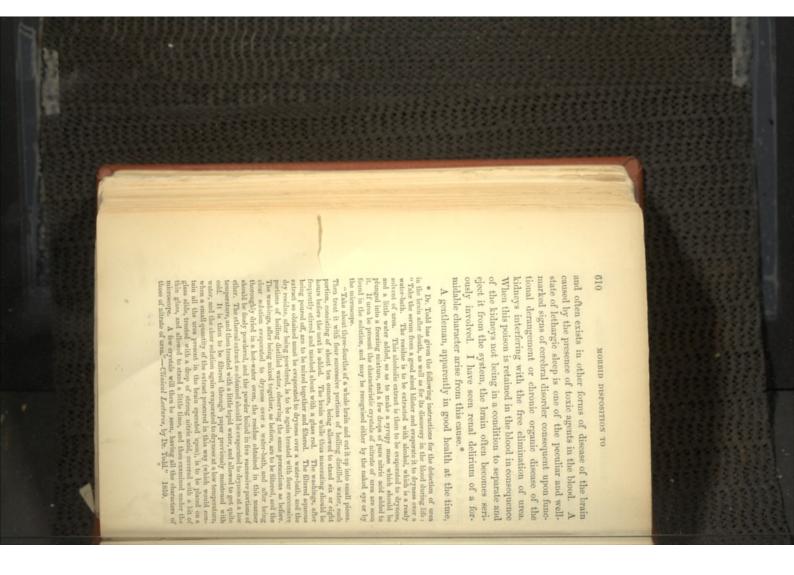
"Incomplete sleep is the repose of one of these two orders of sense, and waking of the other; it refreshes much less, but it satisfies nature more than entire sleep, and I know many men who have no other. Now, when one says that the insane do not sleep,











DROWSINESS PRECEDING AN ATTACK OF APOPLEXY. 611

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was observed for several days to be unusually lethargic. He was found on several occasions asleep during the day, and was with difficulty roused. He made no complaint of bodily indisposition, and beyond being less active in mind and indisposed to conversation, his wife recognised nothing in connexion with his condition to awaken her apprehensions. On the fifth day from the development of the lethargy, he was seized with a sudden attack of verigo, followed by headache. During the previous verigo, followed by headache. During the vervious remained in a state of coma for five hours, but eventually recovered without having apparently sustained any serious cerebral damage.

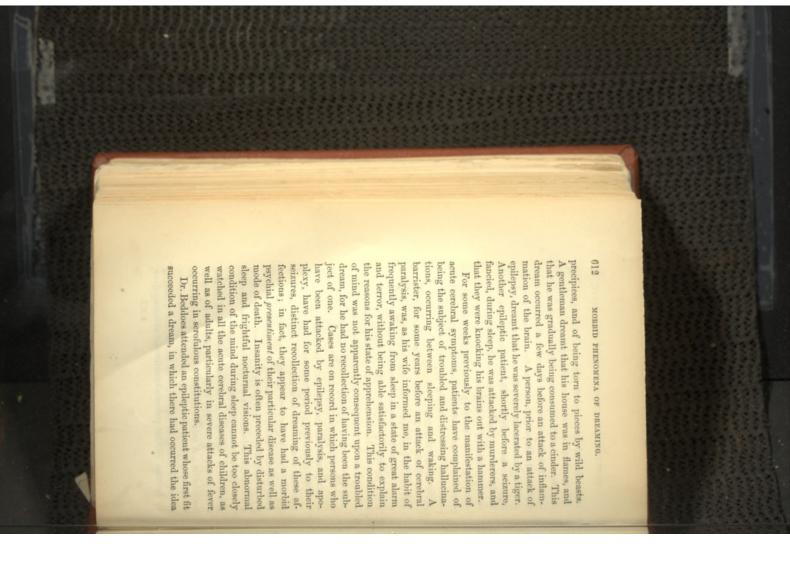
An elderly lady left York in the month of June of hast year in good health. During the journey to London, the complained of unusual drowsiness. It was with difficulty she could be kept awake. A few hours after her arrival at the hotel, she was found on the floor of her sitting-room in a state of apoplectic insensibility, from which she never completely rallied. In this case there was, with the extravasation of blood in the brain, longexisting erdied disease, -valvular in its character.

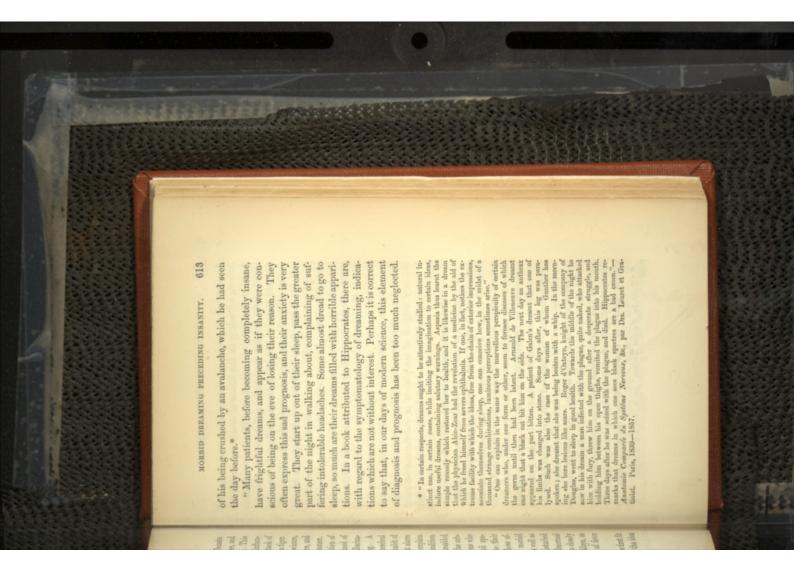
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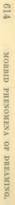
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d tes ing its in story is china is define is define MOBBIL PREVAMENT IN Its CHARAGE. MOBBIL PREVAMENT OF DEFINITION WATHINGS Of acute attacks of brain disease, as well as of insanity, occasionally occur during sleep. Patients have complained of being the subject of horrible nocturnal visions and of the severe forms of incubus, or nightmare, previously to attacks of apoplexy, cerebritis, and insanity. These are common premonitory symptoms of the brain affections in early life. Disturbed and frightful dreams often procede the ordinary indications of acute tubercular meningitis. A patient had, for a fortnight preceding an attack of apoplexy, a consecutive series of horrible dreams, in one of which he funcied that he was being scalped by Indians. Other patients have dreamt of falling down

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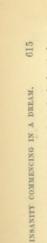




kind."* chest. I mention these principal prognostics because the concentration of blood in the great cavities of the which the person believes that he is in danger of in dreaming painful sensations, which relate to the dreams, according to the father of medicine, are the into become insane are associated with sensations of this ordinary subject of complaints in individuals destined perishing. . . parts affected. Apoplexy is preceded by dreams in sees in dreams frightful figures making grimaces, the nation of blood to the head causing delirium. If a person nervous fevers. Frightful dreams indicate a determi-Quiet, soft dreams announce a favourable crisis in dication of a state of excitement of the nervous system. Among other prognostications, noisy and animated tion of the liver. Diseases of the internal organs cause person is menaced with an intestinal malady, or an affec-. . The nightmare announces the

A gentleman who had previously manifested no appreciable symptoms of mental disorder, or even of disturbed and anxious thought, retired to bed apparently in a same state of mind. Upon rising in the morning, to the intense horror of his wife, he was found to have lost his senses! He exhibited his insanity by asserting that he was going to be tried for an offence which he could not clearly define, and of the nature of which he had no right conception. He declared that the officers of justice were in hot pursuit of him; in fact, he maintained that they were actually in the house. He begged and implored his wife to protect him. He walked about the bedroom in a state of great agritation, apprehension, and alarm, stamping his feet and wringing his hands in the wildest agony of despair. Upon inquiring into the

" Traité des Maladies Mentales," par le Docteur B. A. Morel. Paris, 1860.



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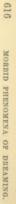
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history of the case, his wife said, that she had not observed any symptom that excited her suspicion as to the state of her husband's mind; but upon being questioned very closely, she admitted that during the previous night he appeared to have been under the influence of what she considered to be the nightmare, or a frightful dream. Whilst apparently asleep he cried out several times, evidently in great distress of mind, "Don't come near me," "Take them away." "Oh,save me, they are pursuing me !" It is singular that in this case, the insunity which was elearly manifested in the morning appeared like a *continuation of the same charceler and train of perturbed thought* that existed during his troubled sleep, when, according to the wife sacount, he was evidently dreaming.

The wates account, ne was evacutly ureating. Pinel observes, "estatic visions during the night often form the prelude to paroxysms of manical devotion. It is also sometimes by enchanting dreams, and a supposed apparition of a beloved object that insunity from love breaks out with fury after longer or shorter intervals of reason and tranquility."

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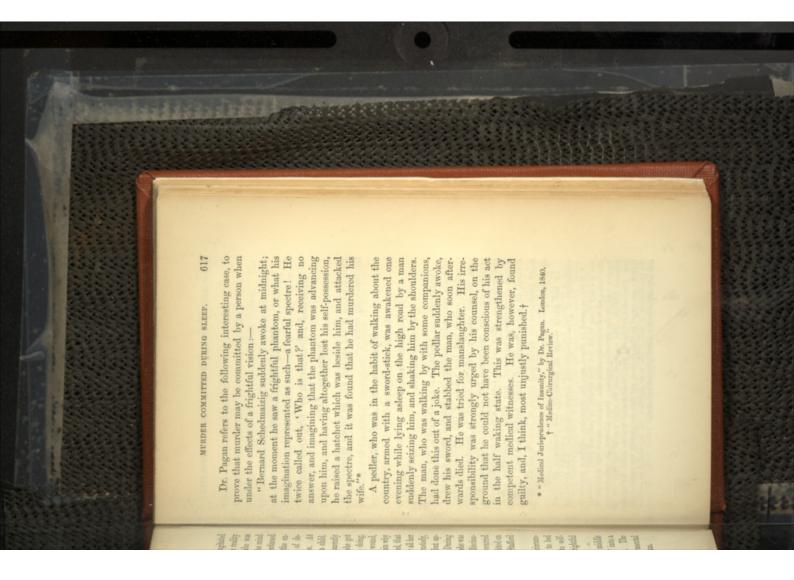
imagining that she saw her sister, long since dead, and of the following case :--During the winter of 1849, he was called to see H. B. about five or six o'clock in the emaciated and debilitated in bodily health, and anamic in appearance. She was of religious turn of mind, and belonged to the Wesleyan persuasion. On the morning lucinations. She had gone to bed apparently well, but during the night was the subject of a vivid dream, to whom she was very much attached, suffering the I am indebted to a medical friend for the particulars The patient was the wife of a tailor, and mother of three children. At this time she was rather of the narrator's visit, he found the woman in a state of great mental excitement, and under the influence of halpains of hell. When quite awake, no one could persuade morning.

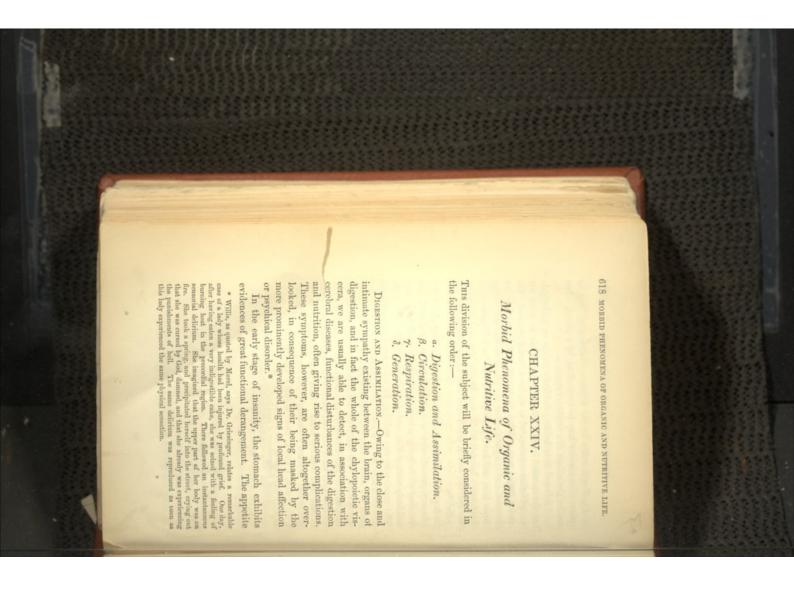


children, as well as herself. When taken into custody, she had been ordered during the night to murder all her as well as usual. In the middle of the night she got clearly insane; but on the following morning the mind County Lunatic Asylum. during a dream. This woman was tried and acquitted on tion which led to the commission of the murder occurred unusually disturbed. It is conceived that the hallucinathe night of the murder, her husband states that she was she expressed no regret for what she had done, but apshe had attempted the life of her child, she replied, that however, was not fatal. When requested to explain why and cut her child's throat with a razor. The wound, up, without apparently knowing what she was doing, Seven months afterwards, she went to bed apparently the end of the fifth year she gave birth to a child. spondency, arising from real or fancied troubles. ception of her occasionally having moments of detolerably well mentally for four years, with the exappeared to have recovered its balance. She continued of her vision. During the whole of that day she was dream. She stoutly persisted in maintaining the reality her that she had been under the influence of an agitated the ground of insanity, and is now confined in Stafford peared to entertain a great fear of punishment. During At

Suicide has been committed under analogous circumstances. A person, apparently well, has gone to bed without manifesting the slightest tendency to selfdestruction, and being suddenly aroused from a frightful dream, has destroyed himself.

An old lady, residing in London, awoke in the middle of the night, went down stairs, and threw herself into a cistern of water, where she was found drowned. The suicide was supposed to be the result of certain mental impressions originating in the mind during a dream.





NAUSEA SYMPTOMATIC OF CEREBRAL TUMOURS. 619

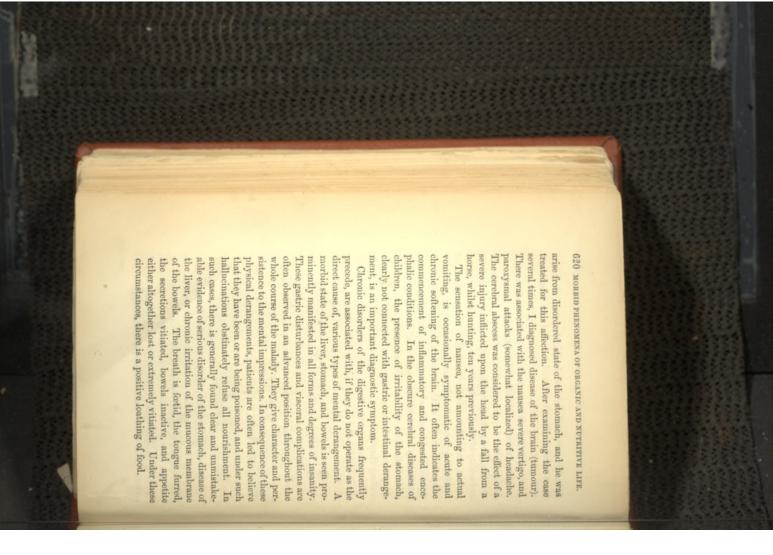
food, deficient hepatic secretion, and great depression of fails, the powers of digestion become impaired, the secretions vitiated, the liver disordered, and the bowels act gastric affection is recognised by fortid breath, coated tongue, anorexia, sometimes amounting to loathing of spirits. The patient complains of flatulence, cardialgia, nausea, and often actual vomiting. The presence of constant sickness, when it cannot be clearly traced to an idiopathic affection of the uterus, kidney, or stomach, is particularly when connected with headache, vertigo, and These symptoms will be considered more in detail in the sucwith great irregularity, or are obstinately costive. The and acidity of the stomach. Occasionally, there is extreme significant of functional or organic disease of the brain, other indications of local cerebral disturbance. ceeding chapter.

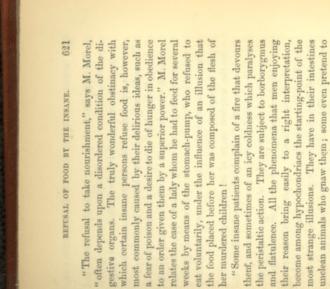
annoyed for some months previously to his de-cease by a troublesome and depressing sensation of In tumours of the brain, the patient will be often sickness. The patient is rarely, if ever, actually sick, but he constantly feels so at the stomach. This sensation of nausea is occasionally observed more prominently manifested on first rising in the morning. The patient, when washing, or whilst shaving, will be suddenly stopped by an inclination to vomit. A person who was troubled by this symptom, caused by a cerebral tumour, remarked that it appeared as if he were constantly rolling about in a boat at sea, or repeatedly under the influence of small doses of tartar-emetic or ipecacuanha. I have observed this gentleman, who died suddenly of this disease, was nausea. For some time this symptom was supposed to heard to complain not only of irritability, but of a disposition to vomit. The nausea so induced in a remarkable manner resembles that preceding or accompanying seasymptom in some cases of abscess of the brain. A

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most strange illusions. They have in their intestines unclean animals who graw them; some even pretend to have neither stomach nor intestines. It seems to them that all they eat falls down a bottomless gulf. One patient imagines that she ought no longer to eat or patient imagines that she ought no longer to eat or park. Her body no longer exists, it is one composed of shapeless fragments, which have no cohesion between them. Also her clothes are not attached to her person, and she constantly experiences a most painful sensation for a modest woman—she believes that she is going to be exposed naked to public view."^a The presence of worms in the stomach and intestines

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The presence of worms in the stomach and intestines often creates an uncontrollable indisposition for food. Chronic inflammation, and sometimes ulceration of the bowels, have been known to produce analogous symptoms.

* Morel.



The appetite is frequently seriously vitiated and depraved. In these cases the patient has a morbid craving, and never satisfied desire for food. His hunger cannot be appeased. After eating an enormous meal he will emphatically declare that he has been starved, or had supplied to him either the minimum amount of nutriment, or no food at all! A vitiation of the appetite is shown by the patient eating with an apparent relish or at least indifference, the most repulsive and disgusting matters. The sense of taste in these cases occasionally appears to be paralysed.

In the incipient stage of insanity the assimilative functions are often seriously disordered. Hence the emaciation so often observed to accompany, not only the commencement of insanity, but of various organic diseases of the brain uncomplicated with aberration of mind.* As the montal disorder advances the function of

As the mental disorder advances, the function of assimilation is occasionally restored to a state of healthy action, and the patient not only gains flesh, but becomes *embonpoint*. This condition is often observed in chronic types of insanify, and in other cases where the patient is less sensitive to the destructive effect of his insane delusions. He ceases to be worried and vexed by his morbid ideas, and consequently an improvement in the edigestion and nutrition takes place. If the mental does not proceed *pari passi* with the physical restoration to health, an unfavourable prognosis is generally entertained. But even under these discouraging conditions I have frequently seen patients recover.

• All disorders of the nervous system, particularly those implicating the intelligence, have a damaging influence upon the functions of *matrician*. In cases of simple anxiety of mind, how often do we observe the general health to become seriously impaired, and the assimilative powers to be completely paralysed. Ta the incipient stage of insanity the nutritive functions appear occasionally altogether superioded. The patient, long before attention is called to the state of the mind, loss flesh, and is occasionally reduced to a dangerous state of emaciation and inaniform.



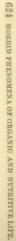
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subject is but cursorily referred to. Although the latter tioned, " suffisent pour établir qu'une affection du cœur peut infer that in all affections of the great nervous centre, the cardiac functions would almost invariably exhibit of Morgagni, Baglivi, Lieutaud, and Corvisart, this authority affirms that he has never seen an instance of apoplexy that can be clearly traced to cardiac disease, he is, nevertheless, of opinion that the cases recorded by Testa, Laurent, and the other writers previously mendevenir la cause determinante de l'apoplexie." Richerand MORBID PHENOMENA OF CIRCULATION, RESPIRATION, AND GENERATION. -Considering the close organic sympathy between the heart and brain, we should, à priori, marked deviations from a normal state. In the writings is said to be the first writer who pointed out pathologically the intimate connexion between encephalic and cardiac disorders."

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This distinguished physiologist says, " the dissection of patients who have died of apoplexy has proved to me that the excess of force in the left ventricle of the heart is a more powerfully predisposing cause of the disease than a large head and short neck—a state of body which is supposed by most physicians to indicate the apoplectiform conformation."

In a Mémoire read by Richerand before the *Ecole de Médecine*, he refers to the case of the illustrious Cabanis, who died of apoplexy caused by, or associated with, disease of the heart. The autopsy of this distinguished philosopher revealed extensive cardine disease. The left ventricle was enormously enlarged and hypertrophied. Eight ounces of blood were effused into the ventricles of the brain, and this effusion had been so violent, that the septum lucidum was forn through, and the surface of the thalami and corpora striata found rough and jagged. • "Noospapia Chinugialo," vol.in.



Malpighi and Ramazzini died of apoplectic attacks connected with hypertrophy of the heart.

More recently Lallemand, Broussais, Andral, Bouillaud, Bertin and Rochoux have directed attention to this subject. M.M. Bertin and Bouillaud remark that, "the majority of the patients in whom hypertrophy of the left ventricle of the heart is present, will be found to exhibit symptoms of cerebral congestion, and that many of them will fall victims of disease of the brain."* In our own country Drs. Hope, Copland, Watson, Wardrop, Bright, Burrows, and Bennett, have considered this subject at

Important as this subject is to the practical physician as well as physiologist, it is not my intention to go minutely into its analysis. It is sufficient for my purpose to call attention to the fact, reserving for the succeeding volume any detailed remarks I may have to make in reference to the influence exercised by certain affections of the heart upon various functional and organic diseases of the brain.

some length.

There can be no doubt among those whose duty it is to investigate the disorders of the mind in all their numerous phases, that cardiae disease excreises a material influence over the psychical functions of the cerebrum. How common it is for the physician whilst performing his autopsies in acute and particularly chronic cases of insanity, to discover apparently long-existing organic disease of the heart, especially in its valvular structure. All writers on the subject of insanity have called attention to this fact.

CEREBRAL AND HEART DISEASE.

625

M. Falret, of the Hospice de la Salpêtrière, has publésions diverses du cœur, coincidant avec des alterations chrolished the results of his dissections in ninety-two cases of chronic mania. In twenty of these there were " des niques du cerveau, ou des membranes cérébrales."

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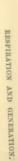
These organic changes in the substance of the More recently, Morel, when referring to the connexion between the central circulatory system and cerebral largely into the etiology of mental affections." A patient under his care, subject to maniacal paroxysms, imagined that he had confined in his chest an animal that was devouring his heart. After death, hypertrophy of this organ was discovered, with disease interfering with the free passage of the blood through the auriculo-ventricular heart, as well as in its valves, associated with insanity, give rise to great difficulty of respiration, headache, restssness, insomnia, and severe paroxysms of irritability. among such patients the periodical return of strange ideas, hypochondriacal sensations, and often special hallucinations, which arise with the increase of the impediment to the circulation and the cerebral congestion which is the consequence of it. These hallucinations are usually of a terrifying nature." "It is known," says M. Saucerotte, " what a powerful shock the beating of the arteries occasions to the encephalic mass, and one conceives, à priori, what disorder might be caused to We are bound also to consider the effect thus produced The blood, altered in its character, and hurried diseases, observes, "that the affections of the heart enter These symptoms are often associated with great ædema of the extremities. Morel adds, "I have observed the intelligence if they were repeated with abnormal in the physiological stimulation and nutrition of the frequency, on the organ destined to elaborate the ideas. orifice. brain.

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or impeded in its course through the cerebral vessels,

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must produce profound modifications in the nervous

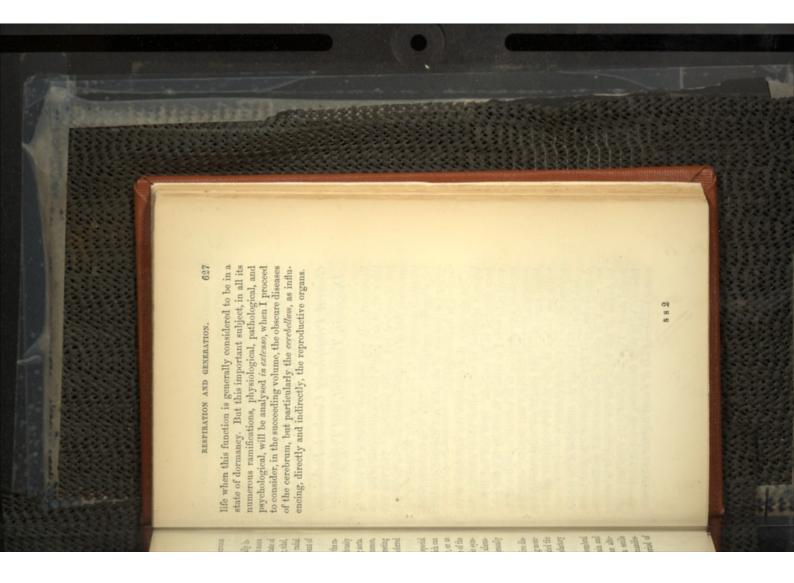
tissue of the organ of thought." In the early stage of insanity the pulse occasionally indicates great activity of the centre of circulation, but more generally the action of the heart is feeble, and the state of the pulse establishes the presence of great vascular, vital, and nervous depression. This condition of the radial artery is quite compatible with a considerable amount of

acute mental agitation and muscular violence. There is considerable difference in the action of the radial, carotid, and temporal vessels, as well as in the intensity of the pulsation of the ascending and descending aorta. Jacobi has called particular attention to this phenomenon, but the consideration of this important and interesting physiological and pathological subject must be deferred for another occasion.

RESPIRATION AND GENERATION.—There are no special morbid conditions of the respiratory function which can be considered symptomatic of incipient insanity, or as indicative of the commencement of organic disease of the brain. The lungs are, no doubt, in close organic sympathy with the brain, and in many cases of mental alienation, the two organs in a marked manner reciprocally influence each other.

The autopsies of the insane often reveal extensive disorganizations of the substance as well as investing membrane of the lungs, which have seriously complicated the psychical disorder, and interfered with the satisfactory progress of the case.

The generative functions in some forms of cerebral disorder are exalted. In other states of the brain and nervous system, they are perverted, impaired, or altogether paralysed. I have known insanity, of a senile type, develope itself by a sudden and unnatural manifestation of virile inclination and capacity, at a period of



628 GENERAL PRINCIPLES OF CEREBRAL PATHOLOGY.

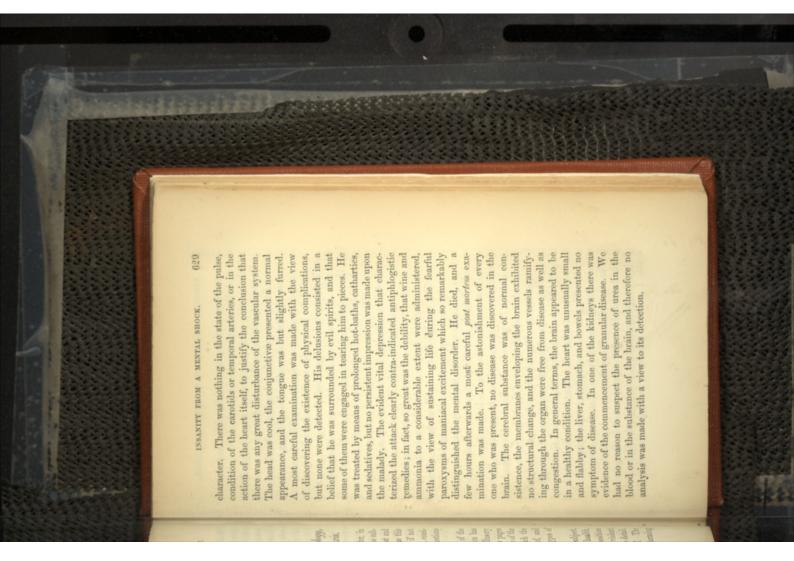
CHAPTER XXV.

General Principles of Cerebral Pathology, Diagnosis, Treatment, and Prophylaxis.

PATHOLOGY.—It was never my intention to enter, in this work, at any length into a consideration of the subject of cerebral and mental pathology. This vast and important field of scientific research must, as far as this treatise is concerned, be but cursorily examined, if not left altogether unexplored. This is unavoidable, considering the number of complex and disputed questions involved in its investigation.

The obscurity that envelopes the pathology of the brain is admitted by every writer whose attention has been directed to its analysis. How vain and illusory would it be were I to attempt to embody in a few pages anything approximating to an accurate conception of the numerous changes, functional and organic, which the brain, appendages, and vessels are susceptible of, and which are known to give rise to a variety of types of cerebral disease and mental disorder?

Let me briefly illustrate the difficulties of the subject. A gentleman, aged fifty-six, apparently in good health, and with, it is alleged, no constitutional predisposition to disease of the brain, was the subject of a violent mental shock. I purposely avoid going more into detail. Insanity, in its most acute form, developed itself. The mental excitement was of a most frightful and alarming





discovered in any other part of the body. was no particular variation in the symptoms up to the the usual remedies appeared to touch the malady. There mental exaltation was associated with great vital depresing to murder them. This condition of cerebral and required three attendants to be constantly with him, and altered. He became violently and acutely excited; he ment of his illness, the character of the affliction entirely At the expiration of three months from the commencethe view of preventing him from committing suicide. was necessary to have him watched with great care, with continued for four or five weeks, during which period it ment to a lady whom he afterwards found to be a married Whilst in this country he formed an unhappy attachcolonial dependencies, came to England on sick leave. pale and free from blood. No disease of importance was brain was carefully examined. It was in a perfectly period of death. At the post mortem examination the sion. The case bid defiance to all treatment. None of these he frequently attacked with great furor, threatenresulting in great mental depression. This state of mind very caused at the time considerable agitation, eventually woman living separately from her husband. This discobloodless, or anæmic condition. I never saw a brain so A gentleman holding an official position in one of our A gentleman, alleged to have been previously free

A genueman, aneged to nave over previously tree from all symptoms of mental derangement, became much impressed on hearing an exciting sermon. Great mental excitement soon followed, ending in a furious attack of mania. There was no symptom in connexion with the case to justify the conclusion that there was activity of the circulation. The pulse was weak, and the action of the heart feeble. The case appeared in its principal features to resemble those previously detailed. After death I examined the brain in conjunction with Dr.

631 SINGULAR CASE OF FPILEPSY.

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calvarium was removed. Beyond this engorgement of brain were gorged with blood. The passive state of almost black appearance to the brain as soon as the W. O. Priestley, with whom I first saw the case in consultation. The substance as well as membranes of the venous congestion that existed gave a dark, and in fact, the cerebral vessels, no disease in the structure or membranes of the brain was discovered.

A lady, thirty-five years of age, became acutely insane a month after her confinement. She died. The *post* mortem examination revealed no special organic change within the cranium, with this exception, that on the surface of the two hemispheres there appeared to be the smallest possible amount of turgescence, similar in character to a transient blush upon the cheek consequent upon some fugitive mental emotion.

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turbance which preceded for so many years the death of toms characteristic of general paralysis. Neither the change. The surface of the two hemispheres appeared as if some water had been dashed over them.* This was the only appreciable cause for the severe cerebral disorain or membranes exhibited evidences of organic A man, aged sixty-four died labouring under sympthis patient.

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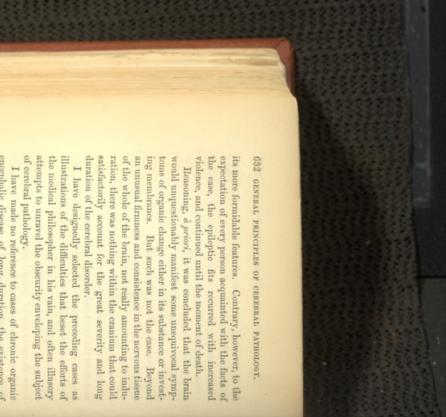
the disease would immediately subside or be disarmed of frequency and severity. Many years back the fits ap-peared to occur less often, and were somewhat diminished an enormous tapeworm. The medical gentleman attending the patient at once exclaimed, "Here is the cause of the epilepsy !" and very reasonably inferred that period of his life, to epilepsy of varying degrees of in violence. At this time he discharged from his bowels A young gentleman had been subject, from an early

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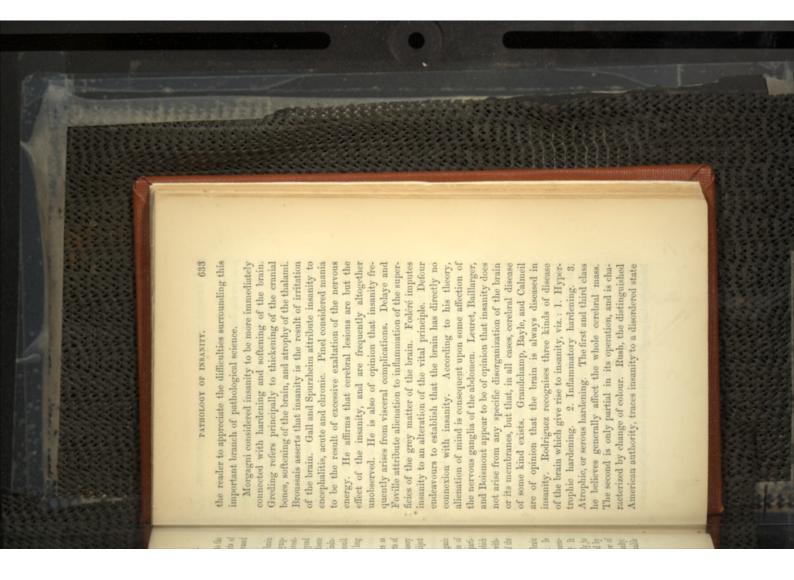
This could not be considered as the effect of subarnehnoid effusion. It was what Dr. Seymour terms, a " watery brain."

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encephalic disease of long duration, the existence of which was not suspected during life. I allude particularly to tumours and abseesses of the brain which have produced serious disorganizations of structure without apparently disturbing the special functions of the sensorium during life. Let me cursorily glance at the pathology of the brain

Let me eursorly glance at the pathology of the brain as elucidating the phenomena of incipient insanity. Is there any one condition of the encephalon or its membranes pathognomonic of mental derangement? It will be well to consider, before attempting to reply to this question, the variety of theories propounded by eminent and experienced pathologists with the view of elucidating the cerebral or somatic origin of insanity. A short historical *resumé* of the kind proposed will enable



634 GENERAL PRINCIPLES OF CEREBRAL PATHOLOGY.

of the blood-vessels. Haslam refers principally, in his *post mortem* data, to adhesions of the Pacchionian glands, alterations in the membranes of the brain, and softening of the cerebral pulp. Cox ascribes insanity to determination of blood to the head. Arnold and Parry trace insanity to determination of blood to the brain, or increased activity of the cerebral vessels. Cullen considered that insanity arose from some irregularity in the action of the brain or nervous system, and that, in the majority of cases, derangement was caused by cerebral excitement. Sir Alexander Crichton was of opinion that insanity was caused by a specific morbid affecting not only its quality but quantity.

It would be useless, and foreign to the design of this work, to proceed any further into the historical analysis of this subject. This matter will be considered at great length in a succeeding treatise.

The question more immediately in review is, whether there are any specific and clearly definable characteristic organic alterations in the tissue of the encephalic mass, invariably present in insanity, that can be considered to stand in relation of cause and effect. If the substance of the brain be universally implicated in all cases of alienation of mind, is there any uniformity in the organic changes? If insanity be, as many suppose, an inflammatory affection, what is the precise nature and seat of the phlegmasia?

There can be no doubt entertained by those who have had practical opportunities of observing and treating the varied phenomena of mental derangement, that in many instances the disease clearly arises from a state of active capillary congestion on the surface of the hemispherical ganglia, or in the vessels ramifying over the

635 SUBTLE PATHOLOGY OF INSANITY.

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the great relief so frequently obtained in certain types of acute incipient insanity, by a judicious local abstraction of blood from the head. No doubt there are many phases of morbid alienation of thought not dependent upon an membranes immediately in contact with them. Hence inflammatory, or even a congested state of the brain, Cases occur associated with wild, violent, and ungovernfrom a normal state of the skull, brain, meninges or vessels. I have often been much surprised, when examining the heads of patients who have died from the effects of acute insanity, with the remarkable absence and which do not admit of antiphlogistic treatment. able excitement, and characterized by active delirium, apparently unconnected with any appreciable deviation of even an approximation to an adequate physical cause for the fatal mental disorder.

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Such types of insanity must either be connected with subtle changes in the vesicular neurine, of which we at present have no knowledge, and which are not even detectable by means of the microscope, or arise from an constituents of brain matter, of the nature of which we derangement of mind when they cannot be traced to destructive poison retained in the system and floating in altered condition of the blood, nerve force, or chemical I am inclined to the opinion, that such forms of alterations of nervous lissue, or to the influence of some the blood seriously damaging the nutrition of the brain, are obliged to confess ourselves profoundly ignorant.

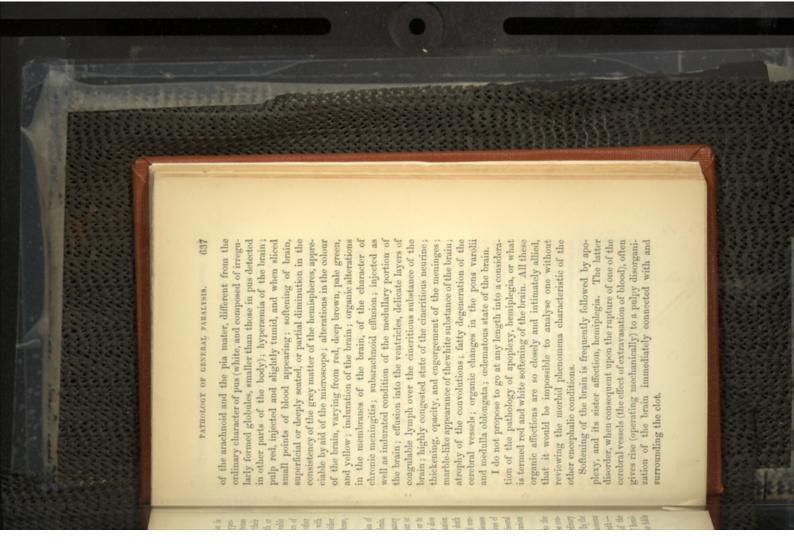
may depend upon a disordered condition or altered action of the psychical coordinating principle evolved in the cerebrum, which, (when the brain is free from a material change, and the mind not disordered,) preserves intact powers. In an early part of this work I have termed this the unity of action and normal balance of the intellectual condition of mind a choreic phase of insanity. No doubt,

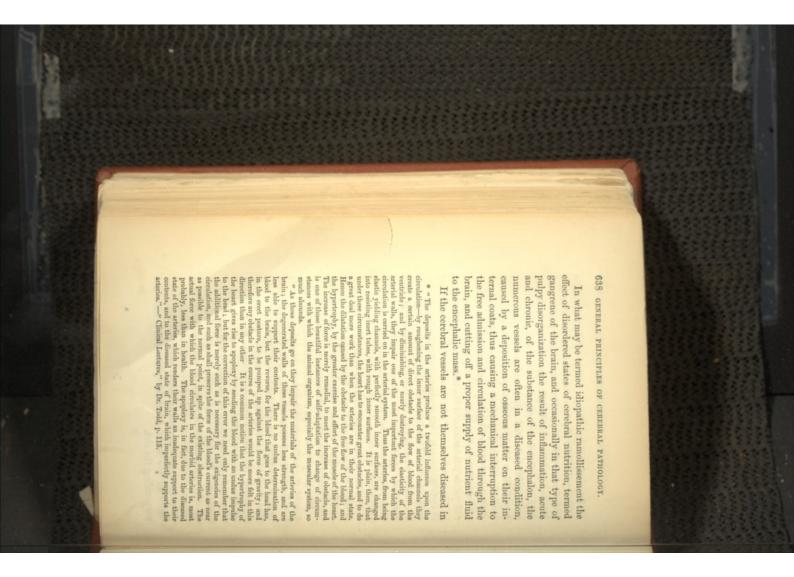


in many cases of mental disorder, the encephalon is in a state of nervous irritation, innervation, hyperarmia (active and passive). In instances of intense exaltation of mind (resembling, in many of their features, violent and ungovernable passion), with or without aberration of the ideas, apparently untraceable to physical molecular alterations in the structure of the brain, its membranes, or to derangement in other organic portions of the body in intimate sympathy with the sensorium, the condition of the mind may be either one of cerebral irritation, or, if I may coin a phrase,

psychical hyperaesthesia. I designedly avoid entering into a consideration of those subtle changes in the grey matter of the brain, the effect of irritation, congestion, or inflammatory action, recognised by slight variations in the colour or tint of the eineritious matter of the hemispheres, or to those organic alterations in the structure of the *dava mater, twica arachnoidea*, or *pia mater*, as well as formation of adventitious membranes so often observed after death in cases of insanity. I also defer for subsequent consideration certain morbid conditions of the blood, diseases of the cerebral arteries (fatty degeneration) affections of the heart, liver, lungs, and kidneys, as well as visceral complications, so often seen in association with various trops of metal alienation.

types of mental alienation. I have previously addressed myself briefly to the pathology of general paralysis, as well as to those conditions of the brain which usually accompany ordinary attacks of apoplexy, softening, and hemiplegia. In the former affection the following pathological phenomena are generally more or less appreciable after death:— Albuminous jelly-like effusion in the cavity of the arachnoid; false membranes on the convexity of hemispheres; suppurative meningitis; pus between the folda





SOFTENING OF THE BRAIN CAUSING APOPLEXY. 639

the first instance, they often become so after being for some time embedded in a mass of softened brain. The tissue of this organ often in cases of severe ramollissement is pulpy and diffuent in character, and of the consistence of cream.

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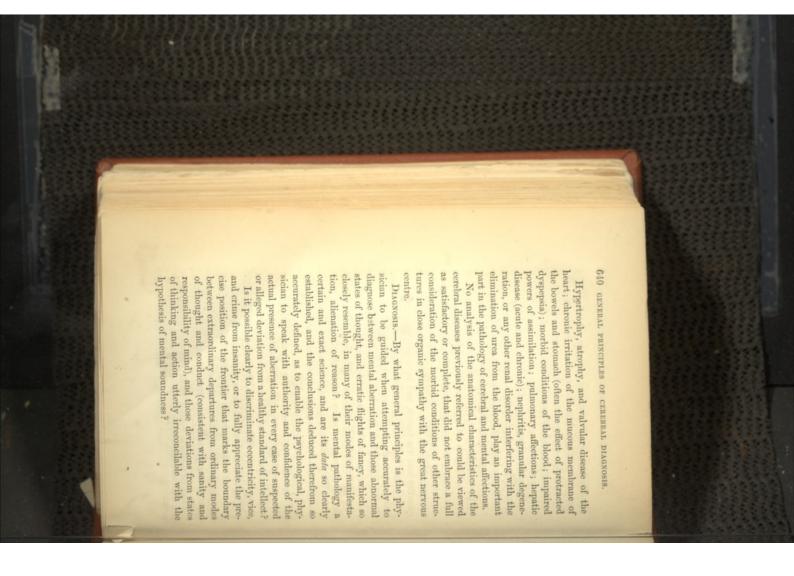
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When describing cases of hemiplegia occurring in the manner previously narrated, Dr. Todd remarks, "that the diseased blood-vessels lie in the midst of this pulpy mass without undergoing any further change ; but sooner or later, under some mental emotion, or during some increased heart's action, depending either upon mental emotion, upon derangement of the digestive organs, it breaks up, and the more readily in consequence of its the development of many an attack of apoplexy, from which the patient may or may not recover, according to some bodily exertion, or increased mental effort of any kind, the blood is sent with undue force or in unusual quantity into the vessels, and in consequence the vasblood is effused into the softened part of the brain, which already diminished consistence. This is the rationale of the extent of the brain previously softened, and according cular canals in the pulpy portion of the cerebral tissue, being deprived of their usual support, give way, and to the amount of blood effused."*

erroneous conclusions would be arrived at if the inquirer were to exclusively confine his attention to an examination inseparable the connexion, between the material instru-In considering the subject of cerebral pathology very of the contents of the cranium. Such a course of investi-Close and intimate is the sympathy, indissoluble and gation would indeed lead him in pursuit of an ignis fatuus. ment of thought and other vital and organic structures.

"Clinical Lectures on Paralysis, Disease of the Brain, and other Affe-tions of the Nervous System," by R. B. Todd, M.D., F.R.S. London, 1854, p. 120.



DIAGNOSIS OF INSANITY. 641

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When does violent and ungovernable passion become symptomatic of psychical disorder, and what extent of brutality, prodigality, cruelty, parsimony, revenge, and jealousy is compatible with intellectual sanity? When does an idea which has acquired an influence over the imagination, obviously incommensurate with its value, cease to be healthy in its character, and become a monomaniacal conception?

Admitting the difficulties that undoubtedly surround a solution of these subtle questions, I am, nevertheless, of opinion, that the carefully and cautiously observant, and practically educated physician will encounter no *bond fide* impediment in his attempt to diagnose between actual disorder of the mind (insanity) and other states of intellect, emotion, and conduct, generally supposed to be allied to, or confounded with it. The boundary line separating morbid from analogous states of thought, is no doubt occasionally obscure, faint, and shadowy, and cases occur which puzzle and confound the most sagacious and experienced psychologists.

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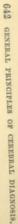
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I have elsewhere spoken of the impossibility of defining insanity, and pointed out briefly not only the rules that should guide the physician when called upon to investigate a subtle and complex case of morbid thought, but the serious error that would be committed if he, whilst making an analysis of such types of alleged mental unsoundness, were to restrict himself to a consideration of the then manifested state of intellect, utterly disregarding the normal psychical development and ordinary modes of thinking and action generally characteristic of the person whose sanity of mind and conduct is under his consideration.

As a general rule, derangement of mind, whether it consist in a vitiation of the mental, emotional, or moral psychical element, or exhibit itself in actions different



from those generally considered to be the effect of a sane, well-governed, and rightly-balanced understanding, ordinarily manifests itself by a marked deviation from natural states of thought, and normal modes of conduct. I have entered at length into an analysis of this subject in a former part of this work, and to the remarks there made I refer the reader.

There are three affections of the cerebro-spinal system with which insanity is liable to be confounded : viz., 1. A state of depression, or hyperesthesin of the nervous functions, generally designated nervous disorder; 2. Delirium tremens; 3. Ordinary attacks of congestion of the brain, meningitis, acute and chronic encephalitis. the brain, menonuded as an axiom by a well-known

It has been propounded as an axiom by a well-known English psychological authority, that all disorders of the nervous system are but *degrees* of insanity. If such a *dictum* were to be universally admitted and generally acted upon, how mischievous and sad would be the consequences! There is a vast amount of nervous derangement, of a very formidable and distressing character, which has no pathological connexion with, or psychical relation to, mental derangement.

I have detailed in the chapter on the Morbid Phenomena of Conscious Insanity, several illustrations of this type of incipient alienation of thought. But this state of unhealthy apprehension of the approach of insanity very often exists as a *nervous disorder* without being complicated with, or passing into a phase of, mental derangement. I have seen many remarkable examples of the kind in connexion with various forms of acute hysteria. There are other affections of the nervous system that

There are other affections of the nervous system that resemble in many of their features mental alienation. In such cases there is often great emotional exaltation, perversion of the instincts, confusion of thought, exaggeration closely bordering on aberration of jdeas, as well

exist independently of insanity, as a distinct type of nervous disorder. It is only when the mind exhibits DISTINCTION BETWEEN INSANITY AND DELIRIUM, 643 as great eccentricities of conduct. Such symptoms may of delusion associated with a paralysis of the controlling power (the will), that we can satisfactorily affirm that insanity, in the right acceptation of the term, has clearly a delusive impression is always appreciable in incipient ment, for there are many phases of alienation of mind often leading to the most fatal results where no appa-The experienced physician is not likely to confound delirium tremens, clearly the consequences of an excessive indulgence in, or the effect of a sudden abstraction of so characteristically marked in the physiognomy; the signs of positive alienation, manifested by the presence and unmistakeably exhibited itself. I do not affirm that or even in the more advanced forms of mental derangestimulants from the brain, with insanity. The acute accession of the delirium; remarkable insomnia which prepeculiar muscular tremor; anxiety and distress of mind fussy and busy nature of the delirium; fumbling of the bed-clothes ; extreme loquacity of the patient ; peculiar look of suspicion, terror, and alarm; clammy state of cedes its development, and continues through its course; sensorial illusions; suffused face; injected conjunctive; soft and feeble pulse; moist and creamy tongue; wild tion similar to that observed in rheumatism; great agitation of manner, and unceasing restlessness, are all specific and peculiar diagnostic features of this type of cerebro-mental disorder, clearly distinguishing it from In considering the subject of cerebral congestion, it will be necessary to diagnose between active determination to, and arterial congestion of the brain, as well as the skin, accompanied by a peculiar cutaneous exhala-TT 2 rently fixed false perception can be detected. insanity.

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644 GENERAL PRINCIPLES OF CEREBRAL DIAGNOSIS.

to distinguish the latter condition from one of venous plethora. The ordinary symptoms of active determination are cephalalgia of an acute type, a feeling of tension, weight, or heaviness in the head, severe vertigo, aggravated whenever the patient stoops, suffusion of the face, injected conjunctive, distressing noises in the ears, sensorial hyperesthesia, activity of the arterial circulation, recognised by undue action of the temporal and radial arteries, depression of spirits, apprehensions of an approaching celannity, optical illusions, increased temperature of the scalp, wakefulness, or disturbed sleep, accompanied with frightful dreams, sudden muscular twitch-

an opposite condition of the brain. This depression of the of active determination passes into a condition of conings and spasmodic startings. all the great functions of life are in a state of severe state. The memory is impaired, thoughts confused, and obtuseness of hearing. In many cases there is partial cephalalgia. heavy weight in the head, seldom amounting to acute cerebral functions is marked by a sensation of dull, whereas in the state of hyperamia the symptoms indicate hyperaesthesia of the ordinary functions of the cerebrum, gestion. vital depression. amaurosis. The intellectual faculties are in an inactive It is difficult to define when the preceding cerebral state In the former affection there exists marked The patient complains of vertigo and

The insidious, slow, and progressive advance of insanity, exhibiting itself, in the majority of cases, by great singularity of conduct, delusive ideas, and clear deviations from normal modes of thinking and acting, as well as by an absence of the acute cerebral symptoms (except in cases of mania) that mark the condition of active determination and hyperaemia, will assist the practitioner in arriving at an accurate diagnosis. Again, insanity is

meningitis and inflammation of the substance of the clusively, the former cerebral condition; but, according The premonitory symptoms of inflammatory affections cede attacks of mental derangement. For some period headache, either continued, fugitive, fixed, or deep-seated DISTINCTION BETWEEN INSANITY AND CEREBRITIS. 645 gitis and cerebritis. These inflammatory affections are accompanied by severe cephalalgia, occasionally fugitive in its character, sense of weight and fulness in the injected conjunctive, full and laborious pulse, sudden startings during heavy sleep, as if the patient were citement and depression. With the preceding symptoms there will occasionally be great irritability of the stomach, sometimes amounting to actual vomiting. Inflammation of the membranes and substance of the brain (affections very difficult to distinguish from each other) is often complicated with delirium (different in Lallemand professed to be able to diagnose between cular system which accompany, he affirms, almost exto his own admission, the two types of inflammatory disease very frequently blend with, and are not easily to before the invasion of the acute cerebral disease, the patient complains of rarely being free from some degree of in its character. These degrees of cephalalgia, Dr. Craweasily distinguished from the acute symptoms of meninhead, flushing of the face, heat of the scalp, lethargy, attacks of vertigo, exaltation of the sense of hearing, seeing, and smelling, optical illusions, tinnitus aurium, alarmed by a frightful dream, bowels obstinately constipated, pupil contracted, skin dry and parched, and the mental condition alternating between delirious exits character from the delusions and hallucinations of brain by means of lesions of the functions of the musof the brain are essentially dissimilar from those that preinsanity) as well as with convulsions. be distinguished from, the other. 18 ·11 -ġ

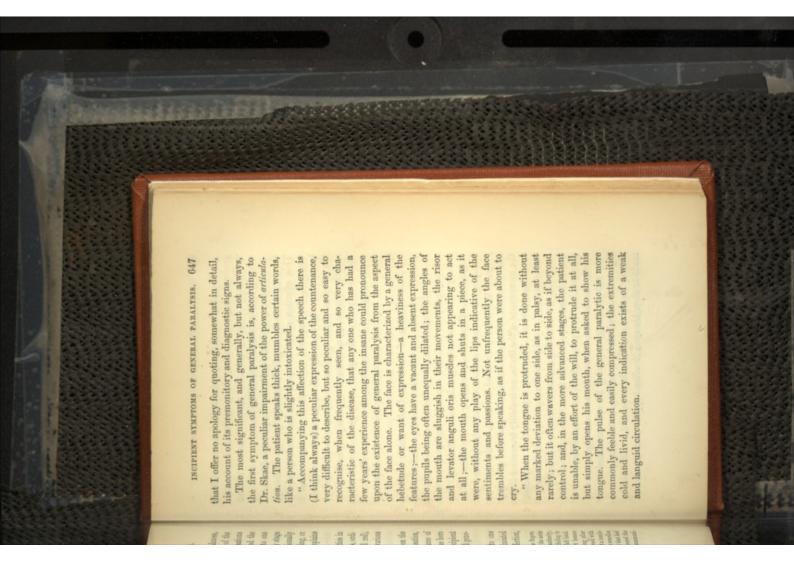


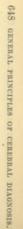
ford says, are accompanied by pain, numbness, weakness, and a sensation of creeping and tingling in one of the extremities, or in one-half of the body. These sensations may be confined to one portion of the body, and the numbness and loss of power is often restricted to one finger, or to one set of muscles.[®] In the early stage of inflammation of the brain the speech is occasionally affected. There is a degree of hesitation, stuttering, or indistinctness of pronunciation. The patient complains of drowsiness, languor, and depression of spirits. The practitioner will encounter but few difficulties in diagnosing between progressive general paralysis, ordinary attacks of encephalic softening (white and red), paraplegia, heniplegia, cerebral abscesses, and various

kinds of tumour of the brain. I have, in the preceding pages, in the chapters on the Morbid Phenomena of Intelligence, Motion, Sensation, and Speech, described so fully the subtle advance of general paralysis, that it will be unnecessary for me here to recapitulate the description there given of the incipient as well as diagnostic symptoms of this obscure and geneulte fact the of constant discoso

rally fatal type of cerebral disease. Dr. Skae has, in a recent communication to one of the learned medical societies, so admirably delineated the steady and treacherous advance of this affection,

• The isolated attacks of amothesis, occurring particularly in the fagers, that so often prevede attacks of cerebro-spinal disease, did not escape the assot observation of Galan. " Fournias the sophist," says this illustrices authority, " while making a voyage from Syria to Rome experienced a loss of feeling in the two bast fagers and an one solid of the middle fager of his left hand. Under injudicious treatment, the insensibility of the affected part because permanent. Tunde inquiries into this coulditor, and learned, among other things, that during the voyage he had fallen from the chair, and struck with force the upper part of his lack. The containion was soon enred, but a numbres so of the fingers angerescal. Timmediately adviced that the same remediation for this lack. The spinal over, and my pattent specifity recovered the active use of his lack hand.—From a paper fin. "Experience," communicative by M. Dubois d'Amism, " On the Writings of Galan."

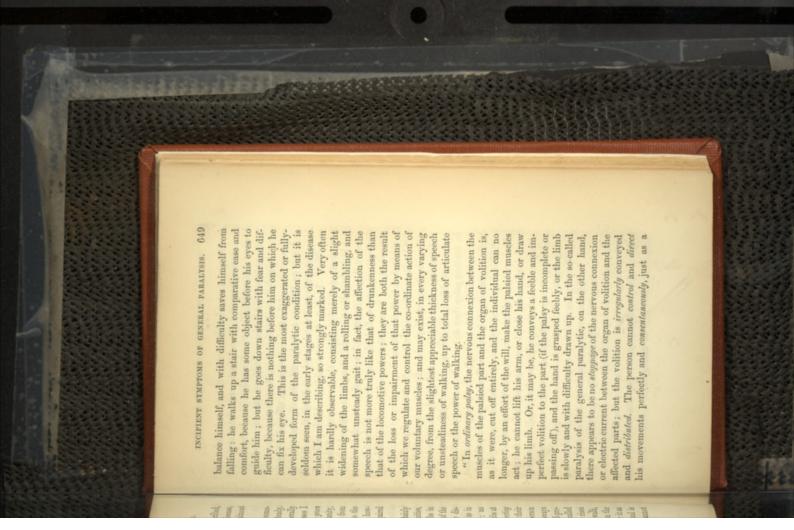




"The affection of the speech which I have described, gradually increases during the progress of the disease, until, in its latter stages, the speech becomes almost entirely inarticulate and unintelligible.

"At some period of the disease the powers of locomotion appear to be impaired, and the gait is unsteady. This affection sometimes precedes, but more generally succeeds, the impaired articulation. In some cases I have known the unsteady walking precede for some *years* the affection of the speech or the symptoms of insanity, and the disease appeared to creep slowly upwards from the lower part of the spinal cord, as it were, to the central organ of the nervous system. Generally, however, the impaired locomotion succeeds the impaired speech.

made to close his eyes, it often happens that he cannot steadily as he can. In such cases, if the individual is object towards which he is tending, and making for it as very wide in the gyves, fixing his eye sometimes on the slowly from his seat, balances himself, and begins to walk, nounced cases, especially in those where the so-called from side to side like a drunken man. walks unsteadily, widens his base of support, and sways co-ordinate action. The result of this is, that the person the movements of the limbs, an inability to control their hemiplegia; there is no loss of muscular power; no tinguished. There is no dragging of the limbs, as in malady which has not, I think, been sufficiently disordinary palsy. And this is one of the features of the generally precedes any affection of the upper extremities, paralysis has long preceded the mental affection, he rises all. There is an impairment in the power of directing is very different from the affection of the limbs in palsy, in the ordinary sense of the term, in the limbs at "This affection of the lower limbs, which certainly In well-pro-



650 GENERAL PRINCIPLES OF CEREBRAL DIAGNOSIS.

drunken man sees double, because he cannot make his eyes converge upon a given object; or walks unsteadily, because he cannot direct and regulate the harmonious movements of his limbs. In these movements of the general paralytic or drunken man, there is no *palsy*, in the ordinary sense of the term; the person affected will run, or dance, or kick, as actively and violently as ever, but his movements are irregular, and not always those desired or willed. In fact, they resemble in kind, although very much modified in degree, the movements of *chorea*, in which the patient in vain attempts to steady his hand or carry it to his mouth. I an anxious to enforce these distinctions, because I think they have not hitherto been recognised, and because the name of this affection is apt to mislead as to their nature.

"Dr. Reynolds corroborates my statements, by pointing out as a means of diagnosis, between general paralysis and wasting palsy, that in general paralysis the muscles contract readily under the stimulus of galvanism, while in wasting palsy they do not. In wasting palsy, in fact, the contractility of the muscular fibre is impaired or lost, while in general paralysis it still remains unimpaired.*

"This impairment of the muscular movement gradually increases and extends, the speech becomes more and more inarticulate, the locomotion more and more unsteady, until at last scarcely a word can be distinguished, and the patient cannot rise or cross the room without being assisted.

"The progress of these changes, however, varies very much in different cases; sometimes, for example, the speech is very little affected, hardly appreciably so, until a very advanced stage of the disease. In other cases it varies, being at times much more perceptible than at others. In the same way, the impairment of the loco-

* On Wasting Palsy.

651 DIAGNOSIS OF SOFTENING OF THE BRAIN.

motive powers in some cases is far from being obvious, even towards the latter stages of the disease; and in others, it is at times more perceptible than it is in evidence left, either from one of these sources or the general. In all cases, however, I think there is enough other, taken in connexion with the state of the pupils, the expression of the face, and the action of the facial muscles, to make the physiognomy of the case diagnostic to an experienced observer."*

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pient manifestations as well as in its more mature stage organization of the cerebral matter being frequently found Although this disease very closely resembles, in its inciof development, ordinary attacks of softening (such a disdistinct in its nature from that of ramollissement. The after death from general paralysis), it is, nevertheless, considered by pathologists as an affection sui generis, and morbid changes, chronic in their character, discovered in the membranes of the brain, grey matter of its convolutions (indicated by changes of colour), as well as alterations in the medullary or conducting portion of the en-Are there any pathognomonic or diagnostic symptoms by which we are able unerringly to detect in all cases the commencement of an attack of softening of the brain? I am, from a close observation of the phenomena of this In some cases where I felt justified in predicating a cephalic structure, undoubtedly lead to this conclusion. disease, obliged to answer the question in the negative. state of pulpy degeneration of the brain, no such pathological change was discovered after death. Nevertheless, in a vast number of instances, the indications of soften-

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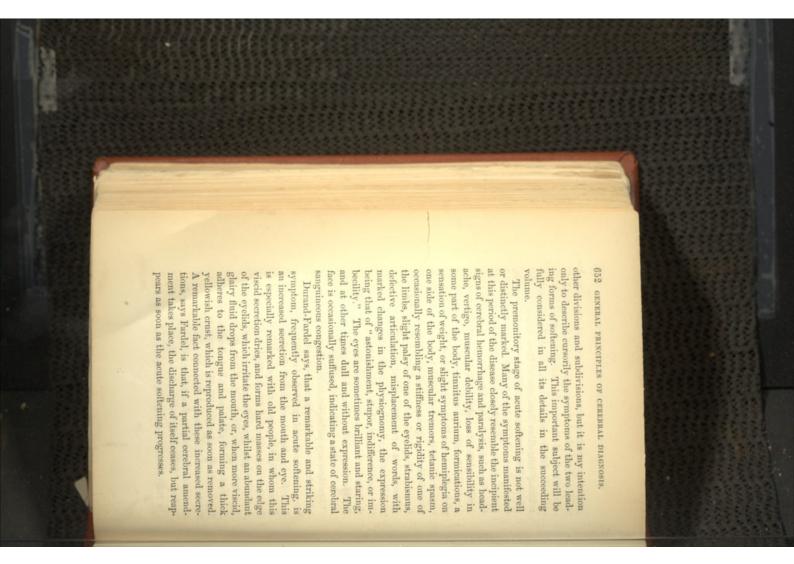
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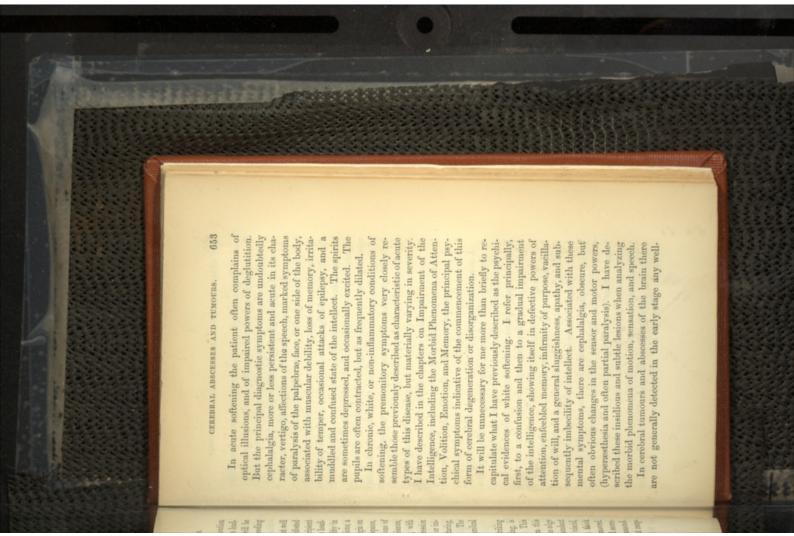
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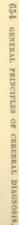
There are two principal forms of ramollissement of matory. This affection of the brain admits, however, of the brain, viz., red or inflammatory, while or non-inflaming are clearly and unmistakeably manifested.

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臣部間 is set Tide " Edinburgh Medical Journal," for April, 1860. No. 4. vol. iii.







organic disease of this kind, it is important to inquire racter. If cephalalgia should not be present the patient disease of the brain, headache, often localized, is generally marked diagnostic symptoms. In these types of organic and pain upon pressure over the mastoid process, are the internal ear. Under these circumstances persistent is often associated with chronic purulent discharge from appearance of cerebral symptoms. Abscess of the brain inflicted upon the cranium many years previously to the of these affections it will be found that blows have been minutely into the antecedents of the patient. even uneasiness in the head. In all cases of suspected abscess of the brain, an absence of acute local pain, or lect; but I have observed in several cases of tumour and defective memory, and occasionally of confusion of intelwill complain of sensations of vertigo, tinnitus aurium, present, but often intermittent or paroxysmal in its chaimportant diagnostic signs. headache, vertigo, distressing noises in the ear and head In many

out feeling greatly distressed and the headache being increased. There is also connected with this type of cannot generally bear a warm room, the noise of comto perfect torture. inflammatory headache is occasionally so great that the throbbing, or obtuse. The intensity of the suffering of neuralgic, gastric, and rheumatic headache. In cerebral usually indicative of organic disease of the brain, viz., to a consideration of two important general symptoms one position, the slightest motion aggravating the pain headache the pain may be either acute, lancinating, lalgia may be confounded with hemicrania, nervous, headache and sickness of the stomach. Cerebral cephapany, or even the exertion of cheerful conversation, withpatient is obliged to remain for a considerable time in I have, in a former part of this work, addressed myself The patient, says Dr. Abercrombie,

DIAGNOSIS OF CEREBRAL HEADACHE. 655

cephalalgia, intolerance of light, and, in fact, in many following peculiarities: it is permanently confined to a larger or smaller portion of the cranium. There is a has a shooting, tearing, or rolling character. It varies says Romberg, the pain "is generally characterized by the sensation of pressure, tension, or pulsation, or the pain in intensity, and is excited and exalted by bodily or mental fatigue, movement of the head, elevated tempecases great sensorial acuteness. In this type of headache, rature, highly spiced food, and long and sound sleep. The pain is relieved by raising the head or by assuming the erect position, or resting the head firmly against are intervals, but during the intermissions the health is There impaired. Spasmodic action or paralysis, generally confined to one side of the face or trunk, supervenes, or the organ of sense becomes afflicted with anæsthesia, and delirium follows. The pain abates and ceases altogether something; it possesses a remittent character. as the paralysis and sopor advance.

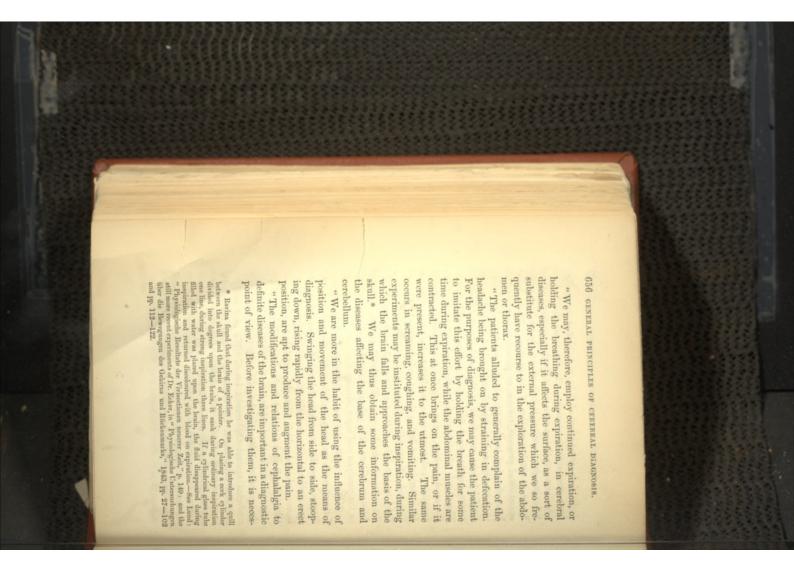
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"It is a matter of much difficulty to define these features with accuracy sufficient for the purposes of diagnosis, as the organ is withdrawn from exumination by a rigid osseous case is still one means of approach has been overlooked, which we ought certainly to avail ourselves of. It is a fact that during every vigorous and long-continued act of expiration the brain is elevated, the cerebelum being passed against the tentorium, the cerebrum against the cranial bones. We may easily convince ourselves of the latter by placing the hand upon the fontanelli of a child while it is crying. The old surgeons, acting upon a knowledge of this circumstance, recommended their patients who suffered from pentrating wounds of the cranium, to cough violently, or to smeeze, in order to promote the discharge of blood or pus.



657 DIAGNOSIS OF CEREBRAL HEADACHE.

sary to point out that, in order to determine the existence than in affections of other organs, to have an accurate history and a continued series of observations of the patient. This is necessary, not only on account of the of the pain in these diseases, it is even more necessary onger intermissions, but also on account of the recurrence of pain when other symptoms, and especially paralysis, supervene, and on account of the loss of memory which ensues in many cases."*

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The absence of well-marked symptoms of gastric disorder, such as furred tongue, loss of appetite, acidity vitiated secretions, sluggish action of the liver as well as of the stomach, flatulence, pain or uncasiness after eating, intestinal canal, will assist the physician in his diagnostic examination of a case of headache suspected to proceed from organic disease of the brain.

In cases of neuralgic and rheumatic cephalalgia, the pain will not be confined to the head, but will be felt in other parts of the body, particularly in certain conditions of the atmosphere and alternations of temperature.

In types of nervous headache, the pain is generally frontal, and often relieved by cheerful society, and when food and stimulants are administered. Attacks of this headache, arising from softening, tumour, and abscess of kind are seldom of long duration, whereas in cerebral The pain, undoubtedly, in many instances intermits, but it is generally followed by, or associated with vertigo and distressing noises in the head, often compared to the brain, the cephalalgia is, in acute cases, rarely absent. the roaring of the sea.

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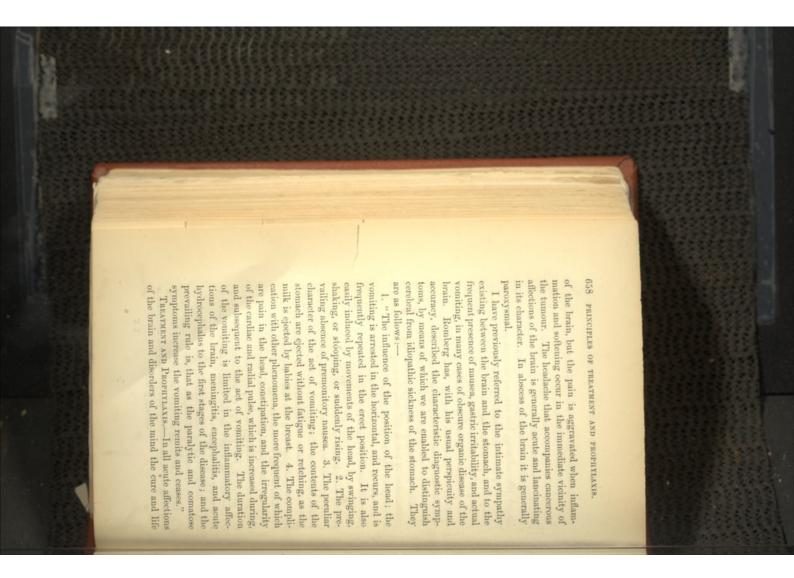
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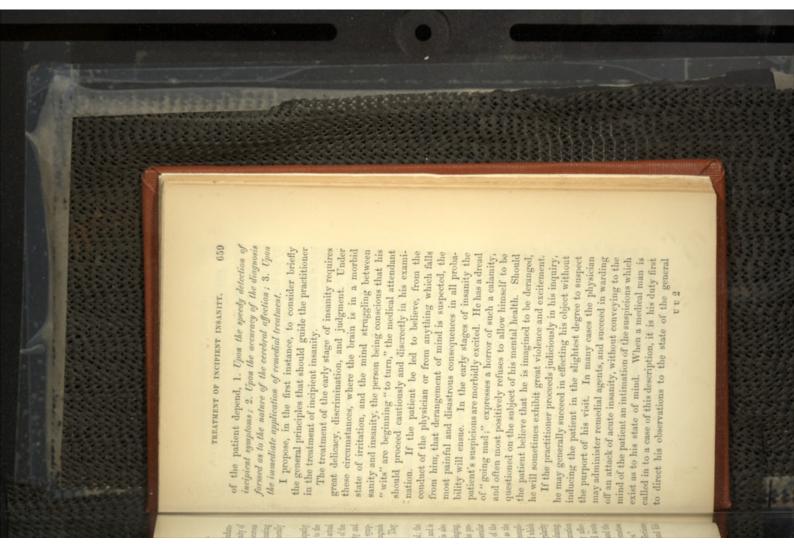
The headache symptomatic of the presence of tumours of the brain, Romberg affirms, is considerably diminished, if not in some cases altogether removed, by the accumulation of serum in the cavities and between the membranes

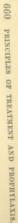
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* Romberg, p. 159.

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health. He will almost invariably detect either hepatic, gastric, cardiac, renal, or intestinal disorder which may be irritating and sympathetically disordering the brain. By the timely use of appropriate remedies, these affections may speedily be removed.

It may occasionally be necessary to relieve the overloaded condition of the vessels of the brain. The patient often complains of severe headache, attended with an increase of temperature, for the relief of which the application of a few leeches, cold evaporating lotions, and ice to the head may be recommended. Great caution is, however, necessary in the use of depleting and antiphlogistic measures. Alas! how often have patients, who have been injudiciously treated by such means, sunk into incurable chronic melancholy. In *recent* attacks, occurring in young and plethorie subjects, when the symptoms are losely allied to inflammation of the brain, local bloodletting is often attended with the happiest results.

In considering the physical treatment of insanity, it is essentially necessary that we should clearly understand upon what pathological condition of brain the morbid state of the mind depends. I think it may be safely laid down, as a general principle, that the brain, in cases of mania, even of the most exalted kind, is not *necessarily* in a state of active congestion or inflammation. The character of insanity, the symptoms which usher it in, and mark its progress, all unequivocally establish that alienation of mind frequently arises from a cerebral disorder, unaccompanied with vascular activity or turgescence.

In obscure and doubtful cases tartrate of antimony will be found an excellent substitute for bleeding. Violent maniacal excitement, accompanied by every apparent indication of a high degree of cerebral congestion and inflammation, will often yield to the administration of this

BLEEDING IN INCIPIENT INSANITY. 661

drug. The physician should begin with small doses, and gradually increase them, until the patient is able to take two or three grains without exciting actual vomiting.

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On the subject of depletion in insmity, Dr. Seymour observes—" In the great majority of cases, the functions of the brain in mental derangement are increased in force, while the circulation is depressed, extremely quick and feeble, and the action of the heart gives way to the smallest abstraction of blood; and yet these are often attended by raving delirium, great increase of muscular force, and are, in fact, what are termed *kigh* cases. The consequence of such practice is, either the more frequent return of the high stage, or the patient sinks into one approaching idiotry."

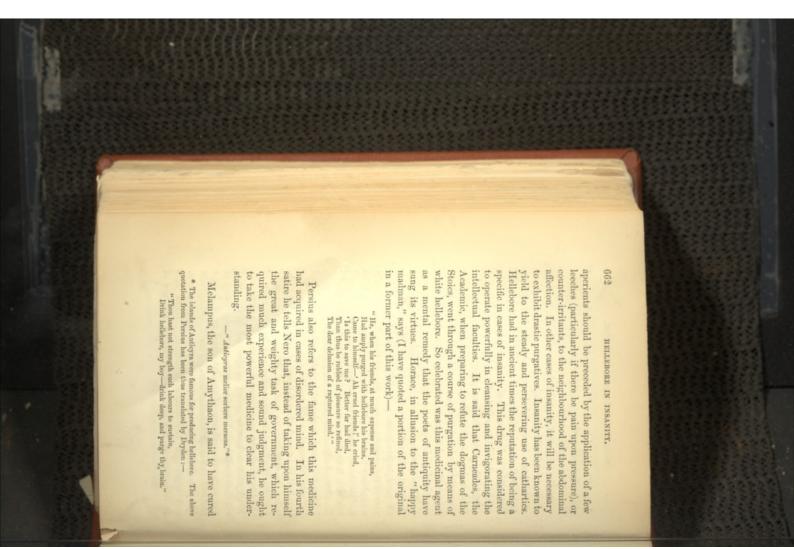
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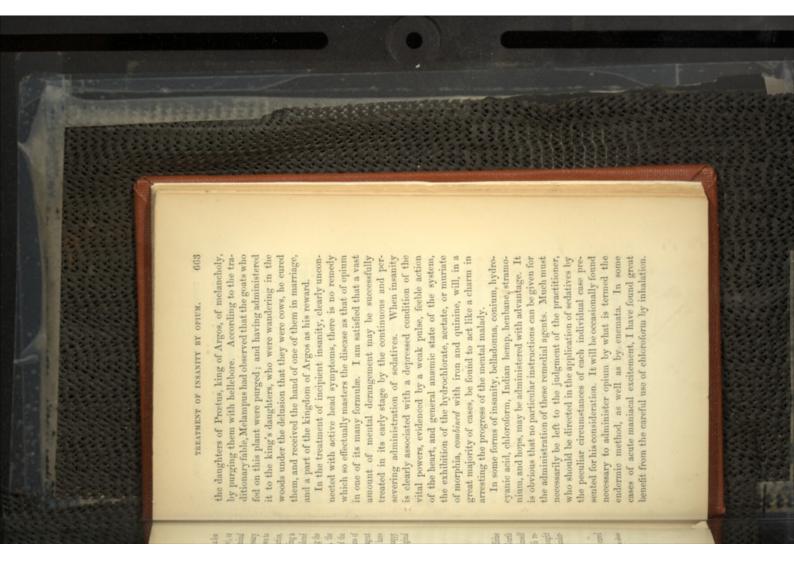
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When bleeding is clearly inadmissible, cold applied to The insanity, the generally overloaded and inactive state of aperient medicine. Very frequently the whole surface of and aggravates the mental irritation. When this the head will be found not only to diminish vascular exness of the cerebral organs. Should there, however, exist a tendency to active plethora and apoplexy, cold lotions hot bath, in conjunction with the cold douche, will often be the mucous membrane of the intestinal canal is in a state of sub-acute inflammation. This condition acts citement, but to lessen powerfully the morbid sensitivehave witnessed the mental perturbation of incipient In the incipient, as well as in advanced stages of Much caution, however, must be observed in the use of sympathetically upon the brain and nervous system, and ice should be used with great caution. The prolonged douche is to be used when the patient is in the hot bath. the bowels should be relieved by means of purgatives. found most efficacious in subduing maniacal excitement insanity frequently yield to this potent remedy.

morbid state of the intestines is present, the use of





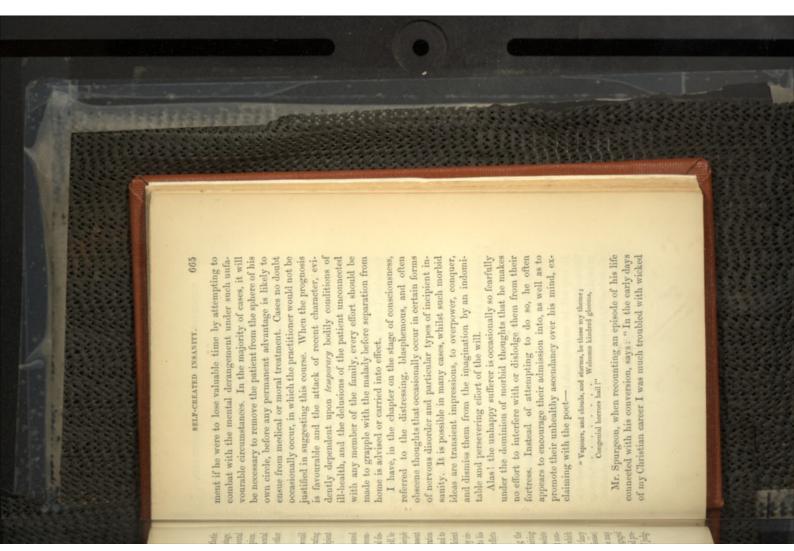
664 PRINCIPLES OF TREATMENT AND PROPHYLAXIS

In epileptic and other forms of delirium this anaesthetic agent may be occasionally used with much advantage. It will often be found beneficial in cases of acute mental excitement to give, in combination, digitalis and opium. I have known instances of active cerebral and mental disorder yield to this mode of treatment after other remedies have failed.

Before dismissing this part of the subject, I would make a few observations on the necessity of separating the patient from his friends and family in the incipient stage of insanity.

There cannot be two opinions among experienced medical men as to the propriety of occasionally recommending that a patient suffering from acute mental disorder should, immediately the malady manifests itself, be removed from all his former associations. As a *principle* of treatment, no sensible person will refuse his assent to such a course of procedure. The object of separation is to break through the morbid train of thought, and to place the patient at once within the range of efficient curative treatment. As long as he is surrounded by circurative treatment. As long as he is surrounded by circurative treatment. As long as he is surrounded by circurative treatment. As long and give activity to his morbid suspicions and delusive ideas, all remedial efforts will be of little or no avail.

No physician would be justified in undertaking the treatment of a case of acute insanity without receiving from the friends and family of the invalid absolute and unconditional permission to isolate the patient completely from home and every circumstance with which he had been previously connected. The lunatic may fancy (and this is one of the peculiar features of the disease) that his family are conspiring against his life—he may imagine that his house is daily visited by persons engaged in devising schemes for depriving him of his life and property. The physician would exhibit great want of judg-



or only by fits and starts. I replied that they came quite in this manner, that I consulted a venerable Christian giving utterance to them. So greatly afflicted was I obliged to put my hand to my mouth to prevent myself when they made an effort to rush to my lips I was struggling with God in prayer. To such a degree was and blasphemous thoughts, which would force them-666 PRINCIPLES OF TREATMENT AND PROPHYLAXIS. then,' said my Christian friend, 'care nothing for these whether they came into my mind in any consecutive form, friend respecting these wicked thoughts. He asked me I under the influence of these terrible suggestions, that selves into my mind when I fancied myself most ardently well at the cart's tail, and send them home to their parish. in Old England we used to treat vagrants, flog them thoughts, I know where they come from ; treat them as suddenly, and had nothing consecutive about them. 'Oh, weakened, or altogether lost, by a voluntary and eriminal counsellor advised, and conquered the enemy. I will make a desperate effort to keep him within my who says to himself, "I am likely to lose this man, and These thoughts are suggested to your mind by Satan, with, control, and subdue. Nervous disorders as well as of the individual, in the first instance, to resolutely battle indulgence in a train of thought which it was the duty I did," continues Mr. Spurgeon, "what my dear Christian power." Flog them, I repeat, well, and send them home insane delusive thoughts are thus often self-created The power of self-control is, in many instances

tions, obtain a mastery over unhappy feelings, crush un-

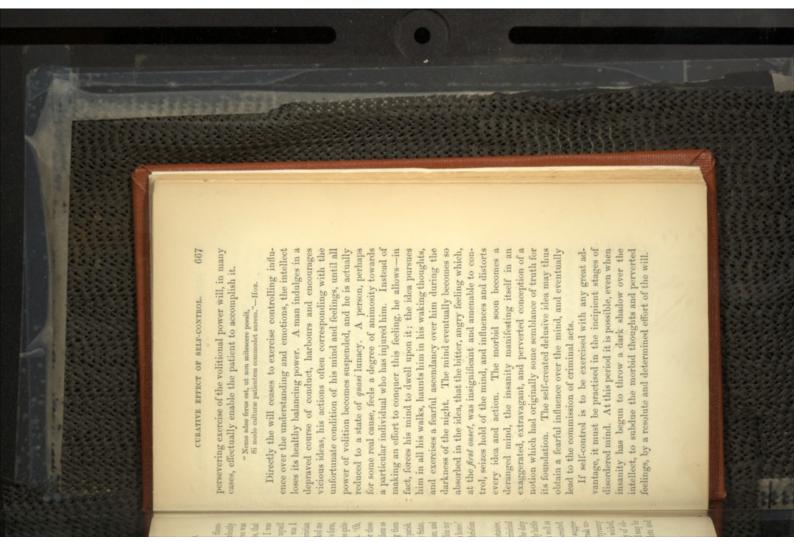
It may not be an easy task to subdue morbid sugges-

taining such a dominion over the perturbed mind may be apparently insurmountable, nevertheless, a resolute and

vicious, and criminal tendencies.

The difficulty of ob-

natural inclinations, destroy in their infancy the tyranny of unhealthy impulses, keep in subjection wicked,



668 PRINCIPLES OF TREATMENT AND PROPHYLAXIS.

"Our remedies oft in ourselves do lie, Which we ascribe to Heaven; the fatted sky Gives us free scope; only doth backward pull Our slow designs, when we ourselves are dall."

In many of these quasi morbid states of thought, or early scintillations of insanity, much benefit is often derived from the adoption of a course of remedial medical treatment. Happily we possess the means of invigorating the functions of the brain and nervous system, and thereby giving tone to the flagging and enfeebled efforts of the will. It would be most unwise, while struggling to keep in check unhealthy thoughts, to neglect a careful consideration of the state of the bodily health.

It will be impossible for me to enter, except in general terms, into a consideration of the treatment of incipient paralysis, apoplexy, softening of the brain, and other organic cerebral diseases, without anticipating what I shall have to advance in reference to this important subject in the succeeding work.

I am convinced from the number of cases of incipient organic disease of the brain which have come under my observation, that much may be effected by means of treatment in arresting the progress of these encephalic affections, provided they are brought at an early period of their development within the range of remedial treatment.

The abstraction of a small quantity of blood from the head, the administration of mercurial alteratives, a careful attention to the state of the secretions, skin, and renal functions, combined with counter-irritation and an abstinence from all mental agitation and anxiety, will often be found of essential benefit in the incipient stages of apoplexy and paralysis. In a certain type of case connected with organic or functional disease of the heart, I have, after relieving the local head symptoms by means of TREATMENT OF INCIPIENT SOFTENING, PARALYSIS, ETC. 669

eupping (wet and dry), leeches and blisters, found great benefit from a combined use of opium, digitalis, and iodide of potassium. Where there is laborious action of the heart consequent upon hypertrophy or valvular disease, the preceding formula almost invariably alleviates the cardiac as well as the head symptoms.

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Associated with the preceding symptoms, I have often observed signs of what was considered at the time In incipient general paralysis, I am of opinion that plains of great muscular debility and nervous depres-There are other types of incipient apoplexy and paralysis only to be successfully treated by means of tonics and stimulants. I have observed well-marked symptoms of apparently acute attacks of cerebral hemorrhage and paraplegia yield speedily to the administration of iron, quinine, and various preparations of zinc and copper. In will also be indispensable. The pulse is generally weak, action of the heart feeble, and the blood deficient in red globules. This is indicated by the pallor of the countenance and general state of anamia. The patient comthis anæmic class of case wine and good nourishment to be threatening indications of apoplexy and paralysis. SIOD.

In incipient general paralysis, I am of opinion that much benefit is to be derived from a persevering and continuous course of *tonic* treatment. In this affection it will often be found necessary, whilst building up the patient, and conserving his powers of life by means of iron, quinine, zinc, cod-liver oil, &c., to apply a seton or issue to the arm or nape of the neck.

In cases of this disease we occasionally observe symptoms of temporary congestion of the brain. For the relief of this complication I have generally applied one or two leeches to the schneiderian membrane with marked benefit. In some instances I have exhibited the various preparations of arsenic and copper with apparent advantage. In depressed conditions of the cerebral force.

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phosphorus, combined with minute doses of strychnine and cod-liver oil, may be administered.

the cerebral disorganization by means of the treatment will be necessary, in the majority of cases, to give tonics of life by the therapeutic agents specified, to cautiously patients it will be necessary to apply, even at the first arresting, in the early stages of softening, the progress of and stimulants. I am satisfied of the possibility of relieve local head symptoms by means of leeches. But the neck, as well as to use dry-cupping. In particular to see the case in this early stage, counter-irritation to onset of the disease, if the physician be fortunate enough the characteristics of each individual case. In some antiphlogistic treatment will rarely be found necessary. vessels, it will be necessary, whilst sustaining the powers formations of the cranium, states of the heart and cerebral previously suggested. Much, however, will depend upon In the treatment of incipient softening of the brain, it

I need not, whilst advising a course of tonic treatment, associated with generous diet, and a liberal use of wine, &c., in cases of incipient softening of the brain, suggest the importance of carefully protecting the patient from mental labour, irritation, and anxiety. It will be useless to grapple by means of medicine with this serious cerebral disease, unless the mind is most scrupulously preserved from an undue exercise or strain of its powers. It will often be found desirable to send the patient abroad, or to a remote part of the country, with the view of removing him from all temptation to work, or to advise a sea voyage after his state of general, mental, and cerebral health has been well analysed and reme-

dially treated. I have on record the particulars of a number of cases of incipient softening of the brain which have been successfully cured by an adoption of these remedial JNJURIOUS RFFECTS OF BLOWS UPON THE HEAD. 671

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means. It is impossible here to enter into details respecting the treatment of this most important type of cerebral disease. I can only, in this work, deal with general principles. Every case as it presents itself to the physician will exhibit peculiar and characteristic idiosyncrasies, or morbid phenomena, requiring a modification of treatment, medical, moral, and hygienic.

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Do we estimate in a manner commensurate with its grave and vital importance the necessity of watching, with the most scrupulous care, the cerebral symptoms that follow all mechanical injuries to the head? I am satisfied that a vast amount of organic, chronic, and incurable disease of the brain and disorder of the mind can be directly traced to this cause.

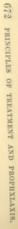
In many cases, positive and undoubted evidences of disease of the brain are present without exciting a suspicion as to the cerebral origin of the affection, or character of the symptoms. A man receives a blow upon the head. He may suffer from partial concussion of the brain, or be merely stumed. He recovers without any apparent inconveniences from the injury, but subsequently head symptoms exhibit themselves, clearly the consequence of the injury which the brain has sustained many years previously!

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In an sustained many years previously in a sustained that the importance of this subject around be exaggerated. Repeatedly have I had cases of ecannot be exaggerated. Repeatedly have I had cases of epilepsy bidding definance to all treatment, tumours, abscesses, cancer, softening of the brain, as well as insamity in its more formidable types, under my care, whose origin could unquestionably be traced back, for varying periods of one, two, five, eight, ten, fifteen, and even twenty years, to damage done to the delicate structure of the brain by injuries inflicted upon the head! In some instances, accidents of the kind may not be followed by serious results ; but in certain temperaments,

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conditions of bodily health, and in particular predispositions, we may safely predicate the development of chronic disease of the brain as the result of neglected blows on the head. Injurice of this character occurring to persons of a strumous habit, or to those suffering from long on the strumous habit, or to those suffering from long a constitution, overwrought and anxious minds, or inheriting a constitutional liability to mental or cerebral disease, are frequently followed by serious and often fatal results. It is therefore highly necessary to keep a vigilant and watchful eye upon those who have been exposed to accidents of this kind, with a view of anticipating if possible the development of important cerebral symptoms. I am satisfied that we have it in our power, by timely

frequently followed by serious and often fatal resurs. It is therefore highly necessary to keep a vigilant and watchful eye upon those who have been exposed to accidents of this kind, with a view of anticipating if possible the development of important cerebral symptoms. I am satisfied that we have it in our power, by timely and judicious measures, to arrest the progress of many of the organic affections of the brain originating from mechanical causes, if the patient's condition immediately after the injury be attended to, the state of his cerebral health for a time carefully regarded, the incipient symptoms of brain disorder, when they present themselves, recognised, and the patient immediately subjected to prompt and appropriate treatment.

Softening of the brain, the formation of cerebral abscesses, the slow growth of encephalie tumours, subtle degeneration of the nervous tissue in the form of cancerous growths (all the remote effects of injuries to the head) are, in my opinion, *preventable* diseases of the brain, if the unmistakeable warnings afforded in the majority of cases of their existence are not neglected, unrecognised, and untreated.

A gentleman was actively engaged, apparently in excellent health, in playing cricket. He suddenly complained of faintness; he then began to vomit, and in a few seconds dropped down dead ! A *post-mortem* examination being made, the brain revealed the existence ABSCESSES FROM BLOWS UPON THE READ. 673

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of a chronic encysted abscess that had emptied itself into one of the ventricles. It appeared that this gentheman had been thrown from his horse six years previously whilst hunting, and had suffered from partial concussion of the brain. He quite recovered from all the acute head symptoms, but two years after the accident he complained of repeated headaches, not, however, of a violent character, as well as of occasional loss of memory. These symptons, however, were of so trifling a character that he did not consider it necessary to apply for medical advice. In this case how much good might have been effected if the everbal symptoms had been at this time recognised, and viewed in connexion with the injury of the head he had underled two years previously? Judicious treatment, have saved a valuable life.

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increased violence. It was still considered that all his A man, aged fifty-two, fell from the mainyard of a became sensible, and in about a fortnight he was able to lained of any head symptoms. He continued active in was considered to be a gastric affection, and appeared greatly to improve; the headache was less severe in character, and became more intermittent. In the sixth year from the accident the patient complained of numbness down the left side, and the headache returned with ship upon the deck. He was removed to the cabin in a state of unconsciousness. In the course of the day he aches of a severe, but paroxysmal type. These attacks much depression of spirits. He was treated for what is habits, as well as intelligent in his conversation. Five years after the accident he became subject to headwere accompanied by occasional acts of vomiting, coming on immediately after meals. At times he exhibited resume work. For four years this seaman never com-XX

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cricket bat. He did not appear to suffer any inconsymptoms beyond giving him occasional doses of blue and nothing was done for the relief of the cerebral symptoms proceeded from hepatic and gastric disorder, of headache, associated with extreme vertigo, clearly of veniences from the injury until ten or eleven years afterwas found after death in the left hemisphere of the brain. this state eight weeks subsequently. An encysted abseess and bitter infusions. In a few months from the appearpill in combination with extract of rhubarb, mineral acids, an egg, was found in the cerebellum. of severe attacks of epilepsy, which continued for a an epileptic character. He eventually had a succession wards, when he became subject to paroxysmal attacks ance of the numbress he became parayltic, and died in period of five years. He ultimately died in a violent epileptic paroxysm. An encysted abscess, of the size of A boy received a violent blow on the head from a

circumstances? In severe blows upon the head it is of the injury is decidedly advantageous in preventing the development of organic alterations in the brain. It tion was almost universally practised after the head had softening, and abscesses. In the days of Pott, venesec disorganization of structure in the form of tumours, congestion, and inflammation that so frequently induce disorder, we may prevent those states of chronic irritation, congestion and inflammation in the portion of the brain important to keep in check all tendency to cerebral has been injured. By closely watching for local cerebral leeches applied over, or in the immediate neighbourhood these cases the local abstraction of blood by means of has, in modern times, been altogether exploded. In received a mechanical injury. This mode of treatment immediately under the part of the scalp and skull that What course of treatment would I advise under these TREATMENT AFTER INJURIES TO THE HEAD. 675

will often be necessary also to give mercurials, and to apply cold evaporating lotions to the head.

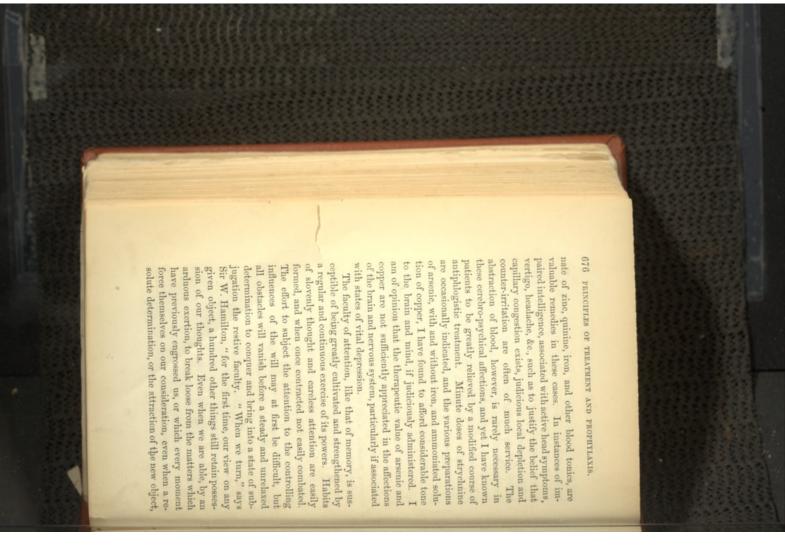
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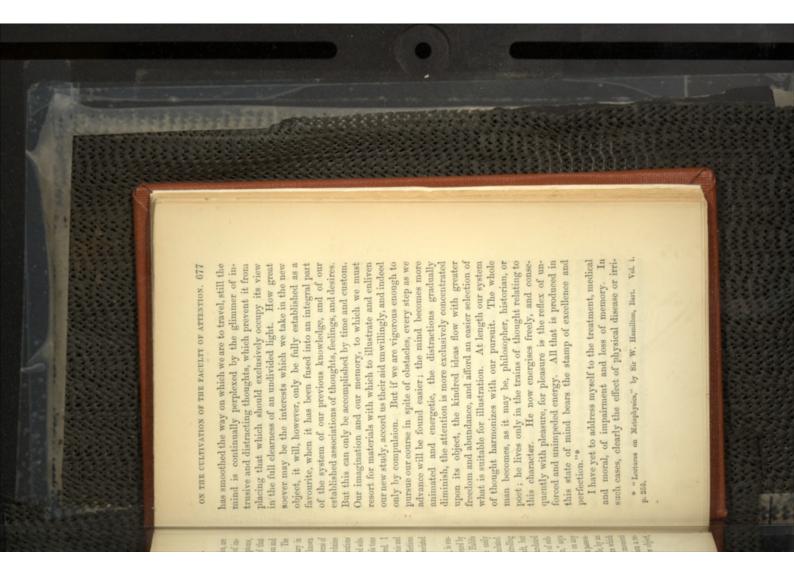
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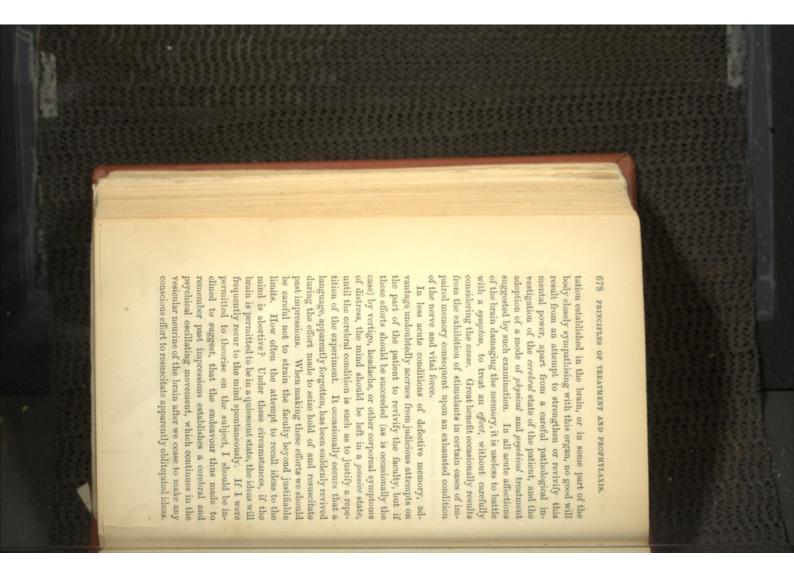
I have, in some cases of severe cranial injury, applied a seton to the nape of the neck, as well as issues in the scalp near the situation of the blow, when I have had reason to believe that local, cerebral, and meningeal mischief existed. It may often be necessary, in particular bral irritation and congestion is being attacked by the means suggested. I am satisfied that it is in our power diatheses, to sustain the vital powers by means of iron, quinine, stimulants, and generous diet, whilst the cereto arrest the progress of the fatal cerebral disorganiare on the look-out for the first scintillations of brain disorder. It is our duty, under such circumstances, to Graves remarks, when referring to the obscure cerebral affections observed in some cases of fever, " to treat them when they come, they wusr BE SEEN and MET COMING." zation that so often follows, after the lapse of years, injuries to the head, if we do not sleep at our posts, and watch for head symptoms. "It is not enough," as Dr. Wise and sagacious counsel!

I have paid anxious attention to this subject, and, as the result of much experience, I am fully convinced that in many instances the advance of softening, tumours, and abscesses of the brain has been checked by means of the local head, combined with the constitutional treatment previously referred to.

I have spoken of impairment of attention, the effect of certain morbid conditions of the cerebral health. Such eases of psychical debility are generally associated with a depressed state of the nerve and vital force, impoverished condition of the blood, and impaired state of the nutrition of the brain. A stimulating plan of treatment, generous diet, cod-liver oil, combined with the sulphate and valeria $x \ge 2$







STATE OF THE MIND AFTER AN ATTACK OF INSANITY. 679

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Is not this hypothesis supported by the following fact? How often does it happen that all attempts to exercise the memory previously to retiring late at night to rest, are found to be nugatory; but how vivid and life-like are the ideas in the morning following a state of brain activity, consequent upon a satisfactory amount of cerebral and psychical repose? Impressions which we were not conscious of effecting previously to sleep have undoubtedly been made upon the mind, and the oscillations of actions thus induced in the nerve vesicle have continued during the night, the mind being clearly and forcibly impinged with the ideas which we tried to stamp upon it on the previous evening.

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During the stage of convolucionally During the stage of convolucionality. I have known after recovery from attacks of insmity, I have known patients complain of a distressing rapidity of thought, and of an acute sensitiveness to impressions, physical as well as moral, which have caused them at times great arxiety of mind. There has been a want of cerebral repose and mental quietude, of which the patient has been painfully conscious. The "tempest of the mind" having subsided, has left a slight ruffle on the surface of the waves which time and an immunity from excitement only can subdue.

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Dr. Abercrombie refers to a case related by Dr. Grogory, of a maniae who had been some time under his care, and had entirely recovered. For a week after his restoration to health, he was harassed, particularly during his dreams, by the same rapid and tumultuous thoughts, and the same violent emotions which had agitated him whilst insame.

A patient, who during his insanity imagined himself to be an exalted personage, told me, that for some months after his recovery he never could entirely dispossess his mind of the idea of his having acquired a

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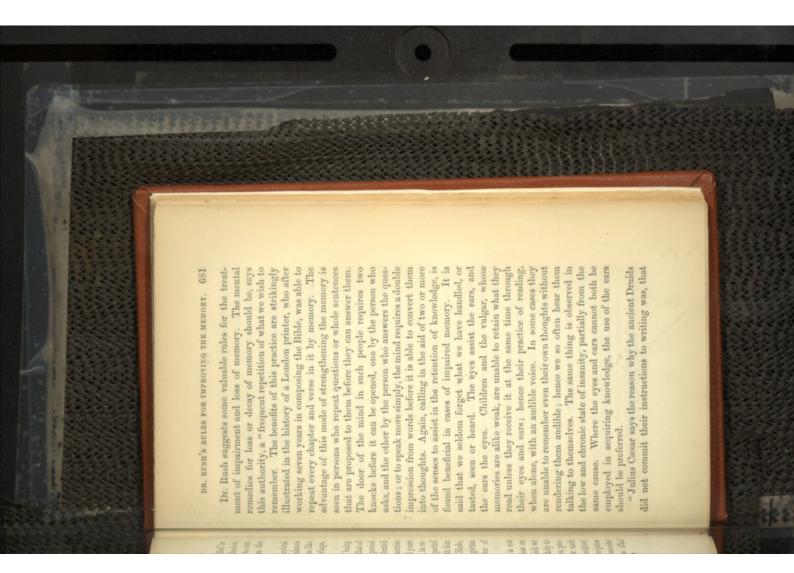
certain degree of social elevation. He had no belief in his having obtained regal distinction, for this delusion no longer existed in his mind; but "I believed," to use his own words, "I was a *little* higher in rank than the

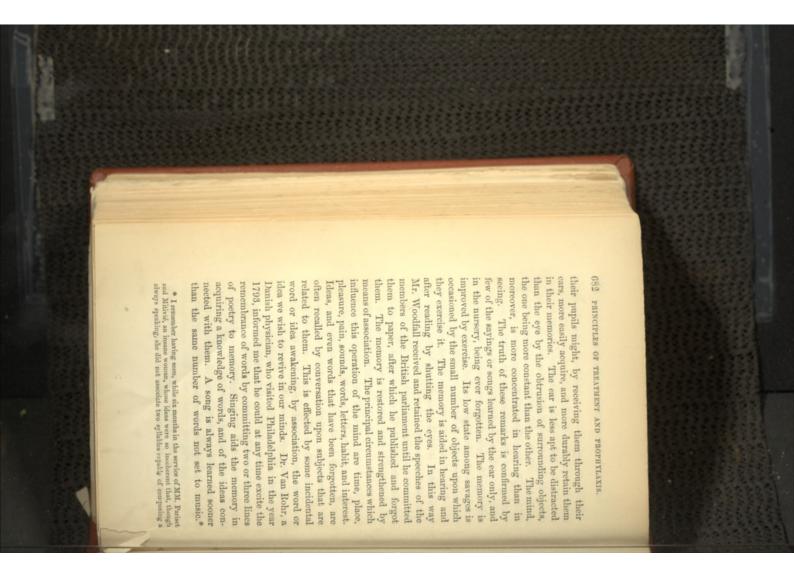
class I legitimately belonged to." In these cases there undoubtedly exists a cerebral action or oscillation, which continues after the balance of the mind has been restored. It is phenomena like these that render the stage of convalescence, perhaps, the most critical one to treat in cases of insanity.

There is no faculty of the mind so susceptible of being improved by moderate and regular exercise as that of memory. It is said that Sir Isaac Newton, at one period of his life, entirely forgot the contents of his celebrated "Principia," in consequence of his neglecting to exercise the memory. The famous Mr. Hude spent several years in close application to conic sections. Leibnitz, in returning from his travels, called to see him, and expected to have been highly entertained by conversing with him on the subject of his studies. "Here," said Mr. Hude, sighing, "look at this manuscript; I have forgotten everything in it since I became burgomaster of Amsterdam."

Lord Bacon is of opinion that the memory is not strengthened by repeated efforts to fix certain ideas on the mind; in other words, that if a passage which we wish to recollect is carefully read *ten*, it is more likely to be remembered than if it were read *twenly* times, provided an effort be made to *recile the words* after each reading. "Que expectantar et attentionem excitant, melius harvest quam que pretervolant. Haque si scriptum aliquod vicies perlegeris, non tam facile illud memoriter disees, quam si illud legas decies, tentando interim illud recilare et ubi defeit memoria, inspiciendo librum."*

· "Nov. Org." lib. ii. aph. 26.





683 Reading or repeating what we wish to commit to Montaigne frequently complains in his writings of a The habit of keeping a commonplace book for the sages from books, with the view of fixing them strongly would be the result if the memoranda so recorded were not repeatedly brought under the cognizance of the intellect, and past impressions thus reproduced to the of his ignorance in regard to some of the ordinary topics of information. It is obvious, however, to any one who says he, "without my memorandum-book, and so great in the earth and in the granary; what use leaven is of in the vat before it ferments." Yet the same author word. However, when she starg, which she did willingly when the example was set, she repeated very clearly not only the in but how ords. Thus the memory, unishful in cases where the words were idea, became clear and precise when the words were nongw."-(Grifioldt.) * Medical Inputies and Observations upon the Diseases of the Mind," 9, B. Rach, M.D. Printabilita, 1856. P. 281. on the recollection, is thought by some to be injurious instead of beneficial to the mind. Undoubtedly, such mind and impressed on the memory. It is not judiloss of memory. He cites many extraordinary instances reads his works with attention that this ignorance did not proceed from an original defect of memory, but from the singular or whimsical direction which his curiosity is my difficulty in remembering proper names, that I I am ignorant of the greater number of our coins in use; of the difference of one grain from another, both in making bread, and why wine must stand some time memory the last thing before we go to bed impresses purpose of dotting down occurrences, thoughts, or pascious, however, to rely too implicitly upon such a mode am forced to call my domestic servants by their offices. had taken at an early period of life. "I can do nothing," ON THE CULTIVATION OF THE MEMORY. of refreshing and invigorating this faculty. ideas on the mind.".

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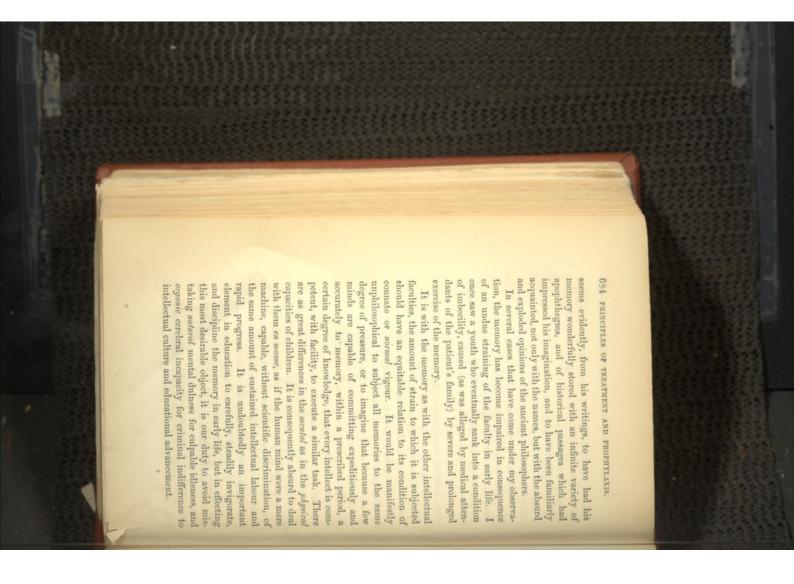
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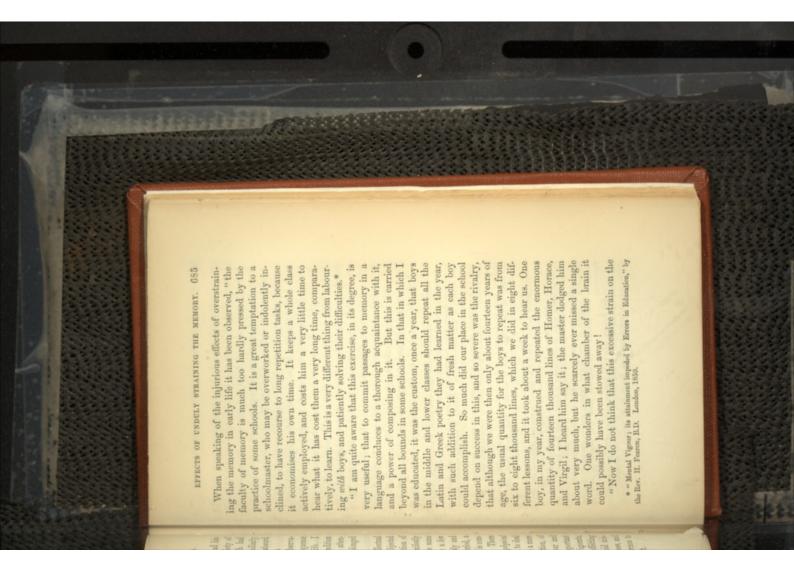
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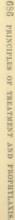
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rendering unto Minerva, as it were, only a lip service.".* tition are but poor offerings to the goddess of wisdomthan what merely encourages memory. Feats of reperule, ought to be directed more to what elicits thought are, in such an excess, not needed. Education, as a minds overweighted, and with things which, after all, Boys ought to be rather repressed than encouraged in custom is, I hope, now, though not given up, modified and, I may say, the bread of many of us depended. This outstrip others, upon which our station in the school, week, we rose early, and late took rest, in our anxiety to long-sustained exertion it required ; how, week after severely pressed. I have a lively recollection of the believe that this or any other faculty ought to be so mnemonic faculty is calculated to strengthen it; nor do I such a trial. Do not send them out into the world with I should regret if, in the preceding observations, I

•• Children are made to fill their heads with words, or are severely purished, and by these means become dull, heavy and stupid, because, instead of enditwing their memory by their orev-certifons. Instead of teaching children to consider and examine a thing, in order to understand it, these masters oblige then to pronounce it filteren treating theme with a view to impirit it on their memory. Beerhaave styled this a pitcous mode of instruction. East of the stupids, because, instead of eaching theme to analyze a compound is late, and making them field the stupic of the simple ideas it includes, they teach them only the splitakes and work that express them, and thus ad lossade after obtained to the improvement of the understanding.

• This abard method, which is so generally adopted, makes all the knownledge of children consist not in the understanding, as it ought to do, but in memory. This seems to be the reason why so many young people who have shone at achool, make so diminutive a figure when they hands into the world. As the chief object of their studies was to load their memories with things which, as they never understood, were soon forgotten, so they find themaelves inequality of observing or judging, and in general of thinking, because in their younger days they had never been taught to think for themaelves.

"Baron Van Swieten tells us he has seen children of the most promising dispositions rendered stupid, and even epileptic, through the mismanagement of their masters."—Zimmerman's Experience in Physic. UNDUE EXERCISE OF THE MENORY IN EARLY LIFE. 687 were to convey the impression that I estimated lightly the benefit to be derived from a steady and persevering carefully developed, disciplined, and invigorated during the scholastic training which most boys intended for fessional life, have to undergo. The knowledge then vated mental enjoyment in which we luxuriously revel in cultivation of the memory in early life. It is, in every point of view, most essential that this faculty should be the universities, and subsequently for political and proacquired is seldom if ever obliterated, except by disease, from the mind. How much of the pure, refined, and eleafter years is to be traced to that period when we were compelled to commit to memory, often as a task, but more ong and brilliant passages from illustrious classical authors ? Do we ever regret, when our bark is being having had to go through such an intellectual ordeal? Is not the mind thus stored with an imperishable knowledge of passages from the poets, orators, and historians of antiquity full of elevated thoughts, profound wisdom, exqui-It would be absurd to undervalue a system of educafrequently as a part of the regular cutriculum of the school, tossed upon the noisy and tempestuous ocean of life, tional discipline productive of so many obvious advansite imagery, noble and magnanimous sentiments?

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tages. My animadversions are directed against the too zzelusive cultivation, as well as undue straining of the memory, forgetting, as I think we sometimes do, that there are higher and more exalted mental faculties that require to be carefully expanded and fortified, before the mind is fitted to enter into the great arena of life, and qualified to contend successfully in its many battles, truggles, and trials.

Before concluding this chapter, I would briefly address myself to the consideration of two important questions

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688 WHEN DOES THE INTELLECT BEGIN TO DECLINE?

intimately connected with the very interesting facts previously discussed in this volume--viz.:

1. At what particular period of life does the intellect begin to decline, and when, as a general rule, is first observed the commencement of an insenescence of the intellectual

principle? 2. Is great strength of memory often associated with limited powers of judgment and reasoning, and conjoined with

childhood; in fact the two conditions closely resemble gives to their determination the same mobility, the same a low order of intelligence? this aphorism, and terms it a "popular delusion." This versity of Montpelier, Dr. Lordat, denies the truth of each other." The Professor of Physiology at the Unibrain, and of those functions which originate therein, quires more strength during the first half of that period which is designated as old age. It is impossible," he says, "to assign any period of existence at which the wane as old age throws its autumnal tinge over the the vital, not the intellectual principle that is seen to the intellect becomes weaker after the vital force has green foliage of life. "It is not true," he says, "that able physiologist and philosopher maintains that it is characteristic uncertainty which they possess during that of the vital force. senescence of the intelligence is not isochronous with trations are adduced for the purpose of establishing that reasoning power suffers deterioration." Numerous illuspassed its culminating point. The understanding ac-" In old persons," says Cabanis, " the feebleness of the

The conversation of the celebrated composer, Cherubini, at the age of eighty, is said to have been as brilliant as during the meridian of his existence. Gosse composed a *Te Deum* at the age of seventy-eight. Corneille, when seventy years of age, exhibited no decay of intellect, HLUGTRATIONS OF VIGOUR OF MIND IN OLD AGE. 689 judging from his poetic address to the king. M. des Quensounnières, the accomplished poet, at the advanced and fully capable of sustaining a lively and intelligent conversation. M. Leroy, of Rambouillet, at the age of one hundred, composed a remarkably beautiful and spirited poem. Abbé Taublet, when speaking of the " His intellectual faculties, with the exception of a slight defect of memory, had preserved their integrity in spite age of one hundred and sixteen, was full of vivacity, of corporeal debility. His thoughts were elevated, his intellect of Fontenelle when far advanced in life, says, expressions finished, his answers quick and to the point, his reasoning powers accurate and profound." Cardinal de Fleury was Prime Minister of France from the age of seventy to ninety. At the age of eighty Fontenelle asked permission, on the ground of physical infirmity, to retire from the post of perpetual secretary of the Academy of Sciences. The prime minister refused the Three years subsequently, Fontenelle again lazy fellow," writes the Cardinal; " but I suppose we expressed a wish to resign office. " You are an indolent, to his own language, "to seek a triumph and to find a tomb." Richelieu died at the age of ninety-three, full daughter-in-law, wishing to encourage him, said, " You must occasionally indulge such characters." Voltaire, when at the age of eighty-four, came to Paris, agreeably of mental vigour. A few minutes before his death, his are not so ill as you would wish us to believe; your countenance is charming." " What !" said he, with the utmost vivacity, and full of wit and humour, " has my Mr. Waller wrote, when he was past eighty, a poem, * Vide " Lectures on Mental Dynamics," by Professor Lordat. Translated by Dr. Speers for the Psychological Jourgal. YY face been converted into a mirror ?"* request. 「日日 100 -71 E. 這 Sin to -21 高 謓 泡 관성 莨 習慣

690 ILLUSTRATIONS OF VIGOUR OF MIND IN OLD AGE.

and he refreshed his old age with the same cordial; and tion of Homer is justly applied to our poet, it was the old age of Mr. Waller. Could it be supposed that the appear in his later compositions, yet Longinus's observait cannot be denied that whatever traces of decay may presented to his Majesty King James II. on his birthday. entitled " A Presage of the Ruin of the Turkish Empire, of Horace's Art of Poetry were the composition of a man verses he wrote on the Earl of Roscommon's translation twelve years beyond his grand climacteric? for he was and fire, though with a little fainter flame, glows in written at fourscore and after, yet the same elevation towards heaven, for which flight his soul had evidently years after this, he turned his muse, as became his age, tinued to write with beauty and spirit. Not many then seventy-five. Even at this advanced age, he concrown all his labours with the poem, ' of the last verses them as in his earlier productions. He intended to been preparing. And though his Divine Poems were natural are the images, so lively the representation of in the book,' which can never be too much admired, so ties, and all is so poetical !"* old age, so feelingly does the author speak of its infirmi-. " Poetry had been the supreme delight of his youth,

John Maplesoft was a learned physician and pious divine. He was born June 16, 1631. . . He was one of the Directors of Greenwich Hospital. In 1707, he was chosen President of Sion College, having been a benefactor both to that building and library. He continued to preach in his church of St. Laurence Jewry (where he was also Thursday lecturer) till he was past eighty years of age; and when he thought of retiring.

• " Biographia Britannica."

HALVETRATIONS OF VIGOUR OF MIND IN OLD AGE. 691

he printed a book, entitled, The Principles and Duties of the Christian Religion, a copy of which he sent to every house in his parish. He died in the ninety-first year of his age.*

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continued to exercise his art until 1576, when he died Titian, the greatest painter of the Venetian school, and the founder of the true principles of colouring, of the plague at Venice, in the ninety-sixth year of his age. Soon after 1553 (at the age of seventy-three or seventy-six) he painted, at Innspruck, the portraits of Ferdinand, King of the Romans, his queen, and all his family, in one picture, which is said to have been his masterpiece. Benjamin West, the historical painter, was born in 1738, and in 1814 (aged seventy-six) exhibited a picture of " Christ Rejected by the Jewish High-priest," one of his best works; and in 1817 (aged seventy-nine) Fontenelle wrote his "Elements of the Geometry of he painted his picture of " Death on the Pale Horse," He died at the age of eighty-two, in full mental vigour. Infinites," in 1727, at the age of seventy.

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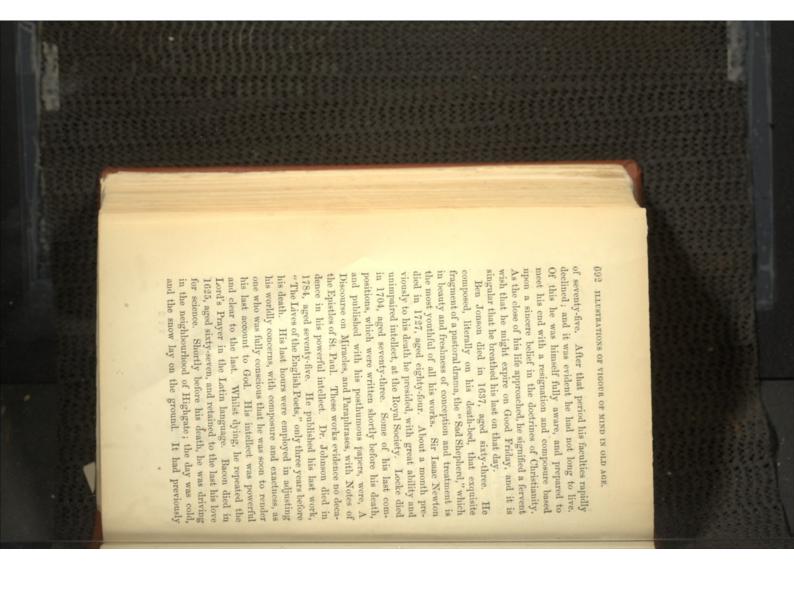
Richard Cumberland, Bishop of Peterborough, was born July 15, 1632. When Dr. Wilkins had published to his lordship, who sat down to study it when he tered the language, and went through great part of his Coptic Testament, he made a present of a copy was past eighty-three. At this advanced age he masthis version, and would often give excellent hints and remarks as he proceeded in reading it. At length, in the autumn of the year 1718, he was struck with palsy, from which he never recovered.+

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Handel's last appearance in public was on the 6th of April, 1759. He then had reached the advanced age

+ Ibid. · " Biographia Britannica."

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ILLUSTRATIONS OF VIGOUR OF MIND IN OLD AGE, 693

occurred to him that snow might be used for the purpose of preserving animal substances from putrefaction, and determined to try the experiment, he descended from his carriage, entered a cottage, and purchased a fowl, which with his own hands he stuffed with snow; in doing this he was seized with a sudden cold, which terminated fitally after suffering for a week.

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Chaucer died at the age of seventy-two. During his retirement in 1391, and up to the time of his death with an intellect in full vigour, he was employed in writing his learned treatise on the "Astrolade," for the use of his son, a boy ten years old. Sir E. Oske died at the advanced age of eighty-two. He spent his last days in full intellectual vigour in revising his numerous works. He died repeating with his last breath, "Thy kingdom come. Thy will be done."

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Lord Bildon died at the age done. Lord Bildon died at the age of eighty-six. He remained in the full enjoyment of his mental powers until shortly before his death, when although his mind on the whole was clear and correct, yet he formed on some subjects erroneous impressions; and his pleasantry, though it very visibly waned, yet sparkled forth from time to time so as to recal its former brilliancy.

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unde to tune so as to retar its former primancy. Icold Kenyon died at the age of severity. He retained to the last his mental powers. Gratefully expressings with his last breath, his sense of the many blessings he had enjoyed, and his resignation to the will of God. Lord Hardwicke died at the age of severity-three. He resigned the Great Scal in 1754; but he still continued to serve the public in a more private station with an unimpaired vigour of mind, which he enjoyed even under a long indisposition until his death. Lord Stowell died at the advanced age of ninety. His mind was vigorous until within two years of his death. Bolingbroke died

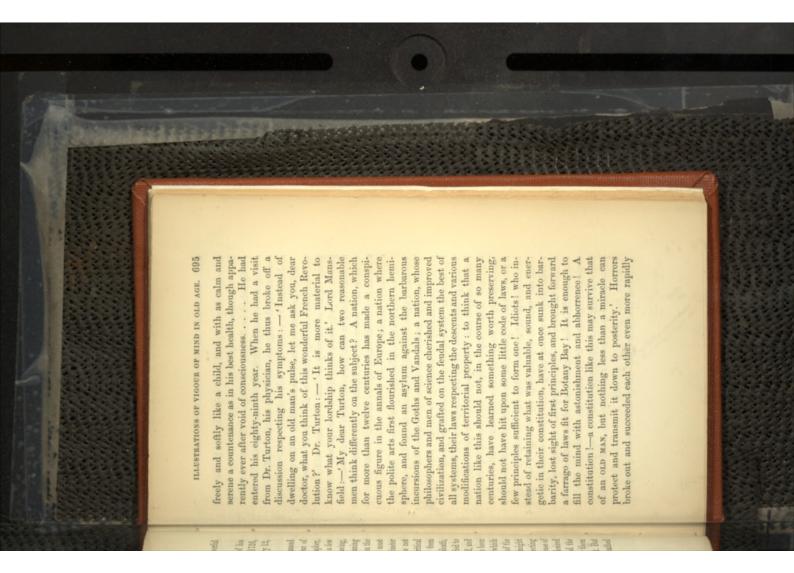
694 ILLUSTRATIONS OF VIGOUR OF MIND IN OLD AGE.

at the age of seventy-three. His intellect was powerful to the last.

Sir Isaac Newton published the third edition of his great work, the "*Principia*," in February or March, 1726, with a new preface by the author, dated January 12, 1725-6, at the age of 83-4.*

he never spoke more. On his return to bed he breathed to leave the question of libel or no-libel for the court. But inuendos were proved on a trial for libel, cautioning them scholar said, 'No; psephismata is right;' and he not the jury to consider whether the publication and the the action for damages to be brought against the House of have addressed some taunt to Lord Chatham respecting followed he might have conceived himself in some of the expected that in the wandering of his thoughts which said, 'Let me sleep !- let me sleep !' It might have been his chair, but he soon wished again to be in bed, and in the year 1793, he desired to be taken up and carried to Demosthenes to illustrate it. On the day of his death, accuracy, but quoted off-hand a long passage from only explained the meaning of the word with critical be a misprint for 'sophismata,' the old Westminster of the word 'psephismata,' in Mr. Burke's book on the in his hearing asked a gentleman what was the meaning days before his last illness his niece, Lady Anne Laving, "had he retained his mental faculties, that only a few intellect. "So completely," says his noble biographer, age of eighty-nine in full and unclouded vigour of Commons ; or, like Lord Tenterden, he might have desired most exciting scenes of his past life, and that he might French Revolution ? and the answer being that it must The illustrious Lord Mansfield died at the advanced

* " Brewster's Life of Sir I. Newton."





than he had anticipated; and old as he was he lived to hear the news that, every vestige of liberty being extinguished in France, the Reign of Terror was inundating the country with blood, and Louis XVI., the constitutional king, was executed on the scaffold as a malefactor."*

I now proceed to a brief consideration of the question, whether there is any truth in the popular notion that great vigour of memory is often associated with limited powers of judgment, defective reasoning, and circumscribed reflective faculties; in other words, conjoined with a low order of intelligence. Do facts establish such an hypothesis or justify the axiom, "*beati memoria*, *expectantes judicium*?"

features an automatic or involuntary power. The contradistinguished from those of sensation. Whilst those which Locke designates as ideas of reflection, as itself a simple and elementary one, not necessarily callmental process involved in the reception of ideas is in we might, upon a superficial examination of the question, philosophical process of reasoning, the mind is in the endeavouring to comprehend a subtle and profoundly of an active state of the intelligence. Among such are mind. It is true that many of our ideas are the result that are momentarily forcing an admission into the in order to grasp or receive the myriads of impressions a passive state. Little or no mental effort is required ing into action any complex intellectual operations. tive. The faculty of memory is in its fundamental The majority of our ideas enter the mind whilst it is in be disposed to answer the interrogatory in the affirma-If we based our conclusions upon à priori reasoning,

Campbell's " Lives of the Lord Chief Justices," vol. ii. p. 558.

697 AUTOMATIC CHARACTER OF MEMORY.

this object a great and sustained effort of thought is highest state of activity, with the view of seizing hold and retaining the ideas embodied in the argument immediately suggested to consciousness. In order to effect required, and the more important faculties of the understanding are unavoidably called into active exercise. But to reproduce the ideas so imbibed, a voluntary act of the mind, termed recollection or reminiscence, is only necessary, that is, supposing the ideas do not occur to the mind as a spontaneous act of suggestion.

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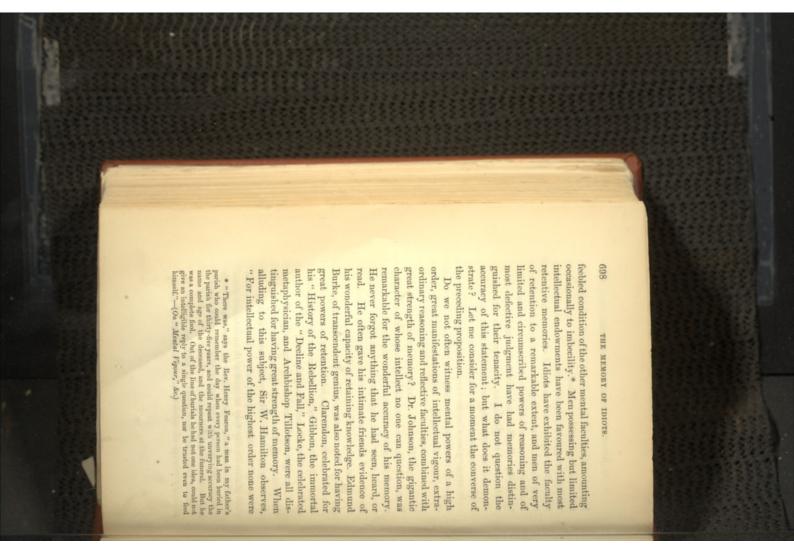
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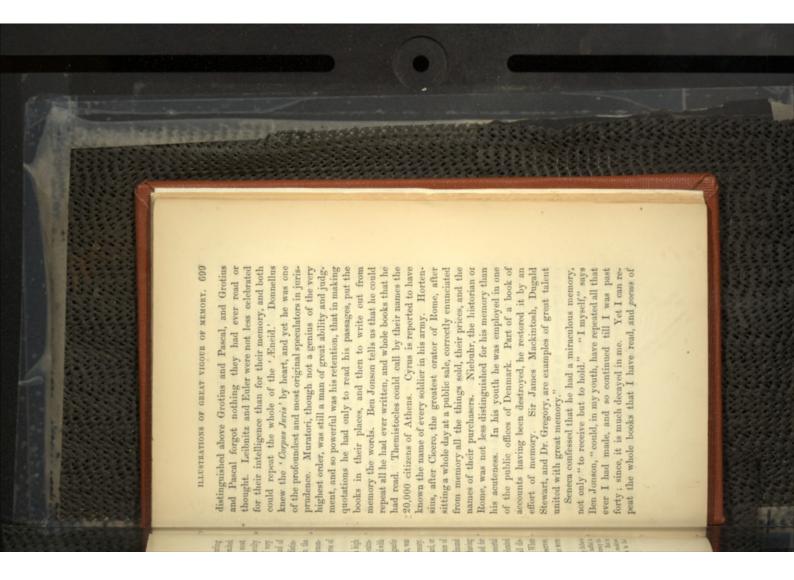
.W 1 - It requires no obvious exercise of thought or severe principles embodied in Paley's "Evidences," Butler's "Analogy," Newton's "Principia," or Kant's "Pure when once thoroughly comprehended, the leading They are indelibly (presupposing a healthy state of the brain and intellect) impressed upon the branches of literature, and are easily made objects of faculty, is not one of a high intellectual character. How mind of every educated man conversant with these physically, the memory, although a most important different is the memory in this respect from the more course of reasoning to enable us to recal to the mind, consciousness by an effort of the will. Considered metaexalted faculties of reason and judgment! Reason."

> ar .g 音 평립 .11 -1

If my argument be tenable, we can easily understand necessarily associated with superior powers of judgment or strength of reasoning capacity. Hence an active the proposition, that great vigour of memory is not state of this faculty may co-exist with an intellect generally defective in its organization; in other words, with a mind but partially and imperfectly developed in its higher manifestations.

Many facts have been cited to establish, that extraordinary powers of memory are often allied to an en-





700 KIND TREATMENT OF THE INSANE.

some selected friends which I have liked to charge my memory with. It was wont to be faithful to me, but shaken with *age* now, and *sloth* (which weakens the strongest abilities), it may perform somewhat but cannot promise much."

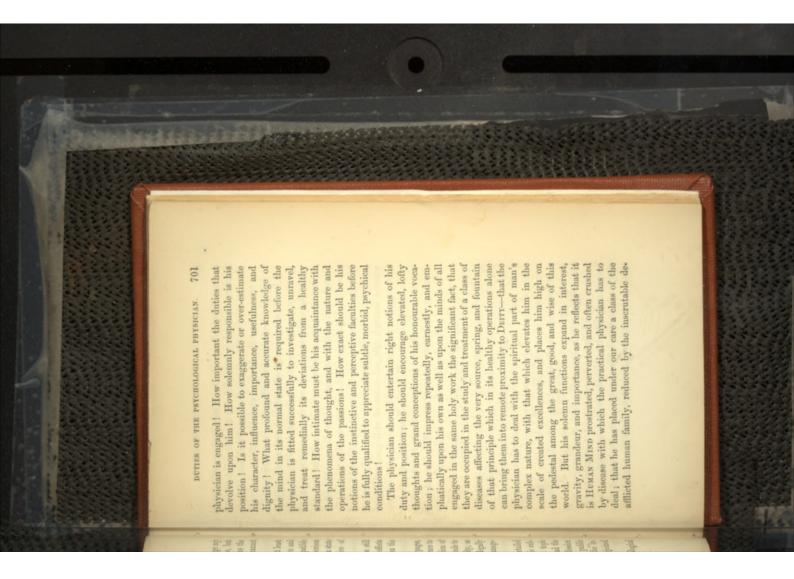
The facts previously referred to are susceptible at least of two important conclusions:—1. That an active and vigorous condition of the mental faculties is compatible with old age. 2. That a continuous and often laborious exercise of the mind is not only consistent with a state of mental health, but is apparently productive of

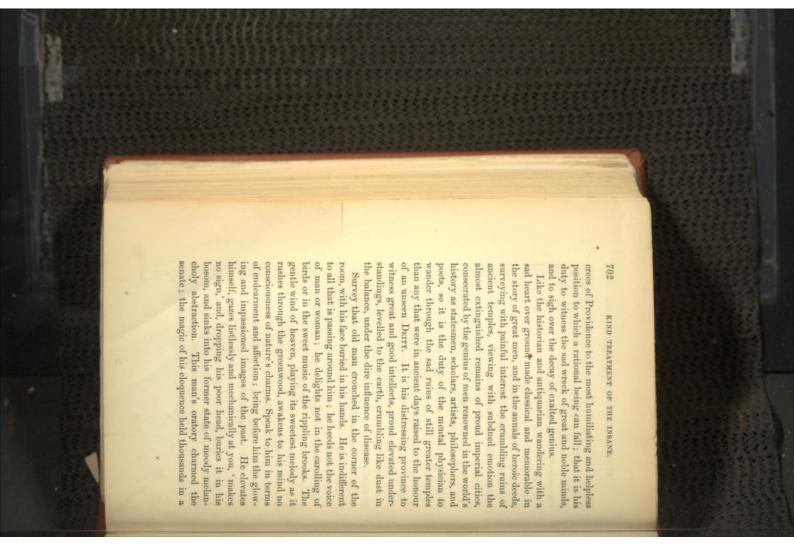
longevity. In the succeeding volume this subject will be still further considered, when I address myself to the effects of an undue straining or exercise of the mind upon the mental and bodily health.

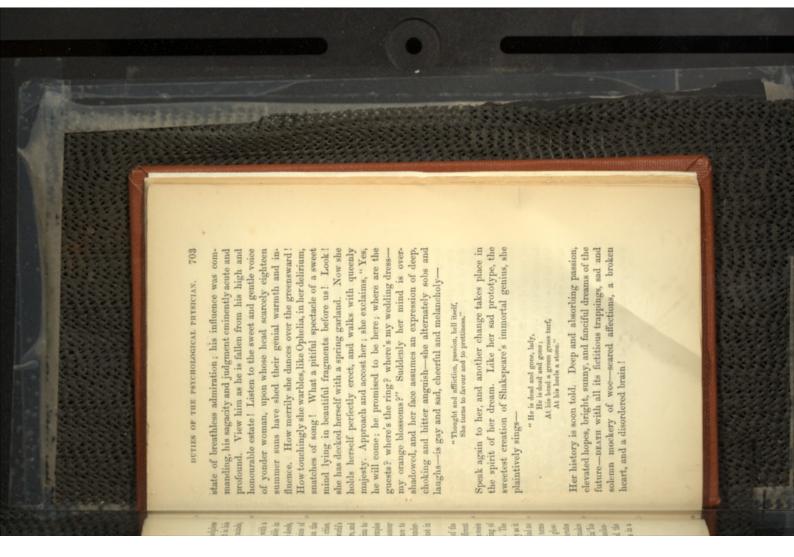
In glancing retrospectively over the preceding pages, I am conscious of having omitted a detailed reference to what many may conceive to be an important section of the subject I have had under consideration. I allude to the moral treatment of incipient types of insanity, as well as to the special duties devolving upon those legally entrusted with the medical, mental, and social management of the insane.

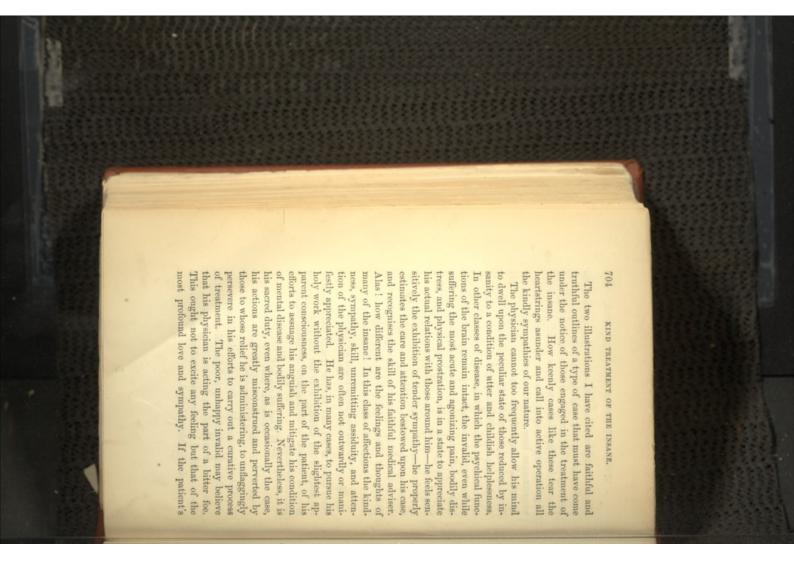
I designedly defer for another work any detailed exposition of my views on the first part of this subject. My sentiments on the latter important topic are fully expressed in a Presidential address I had the honour of delivering to a section of the profession oficially connected with the management of public and private institutions for the treatment of the insane, and from that discourse I quote the subjoined preserve.

passage ;---How noble is the study in which the psychological









DUTIES OF THE PSYCHOLOGICAL PHYSICIAN. 705

18 1

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language be offensive and repulsive-if he be guilty of him, the physician should never for a moment lose sight any acts of violence towards those in attendance upon of the fact, that the unhappy affliction has, to a degree, destroyed the patient's free will, and that he, for a time, has ceased to be a responsible being. It would be cruel, whilst such a condition of mind exists, to treat him otherwise than as a person deprived by disease of Let me earnestly and affectionately urge upon all engaged in the treatment of the insane, the importance of never losing sight of the fact, that even in the worst types of mental disease there are some salient and bright spots upon which the physician may act, and against the power of complete self-government and moral conwhich may be directed his most potent curative agents. How true it is that, trol.

"There is some soul of goodness in things evil, Would men observingly distil it out."

The more formidable, apparently hopeless and incurable types of mental derangement admit, if not of cure, at least of considerable alleviation and mitigation. It is always in our power to materially add to the phyrially modifying (if we cannot entirely re-establish the mitting attention to dietetic and hygienic regimen, as sical and social comforts of even the worst class of insane patients. We undoubtedly possess the means of mateing forms of insanity, rendering the violent and turbulent tractable and amenable to discipline, the dangerous It is possible, by a careful study of the bodily and mental idiosynerasies of each individual case, and by an unremental equilibrium) the more unfavourable and distressharmless, the noisy quiet, the dirty cleanly in their habits, well as by a persevering, unflagging, and assiduous admiand the melancholy to an extent, cheerful and happy 2 2

