

A probationary essay on feigned and factitious diseases, chiefly on soldiers and seamen : submitted, by authority of the President and his council, to the examination of the Royal College of Surgeons of Edinburgh, when candidate for admission into their body, in conformity to their regulations respecting the admission of ordinary fellows / By Hector Gavin, M.D. Licentiate for the Royal College of Surgeons in Edinburgh, formerly President of the Hunterian Medical Society, member of the Royal Medical Society, Edinburgh.

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PROBATIONARY ESSAY
ON
FEIGNED AND FACTITIOUS DISEASES.

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A
PROBATIONARY ESSAY
ON
FEIGNED AND FACTITIOUS DISEASES,
CHIEFLY OF
SOLDIERS AND SEAMEN;
SUBMITTED,
BY AUTHORITY OF THE PRESIDENT AND HIS COUNCIL,
TO
THE EXAMINATION
OF THE
Royal College of Surgeons of Edinburgh,
WHEN CANDIDATE
FOR ADMISSION INTO THEIR BODY,
IN CONFORMITY TO THEIR REGULATIONS RESPECTING THE
ADMISSION OF ORDINARY FELLOWS.

BY
HECTOR GAVIN, M.D.

LICENTIATE OF THE ROYAL COLLEGE OF SURGEONS IN EDINBURGH,
FORMERLY PRESIDENT OF THE HUNTERIAN MEDICAL SOCIETY,
MEMBER OF THE ROYAL MEDICAL SOCIETY, EDINBURGH.

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PROBATIONARY TEST

LEARNER AND ACTION IN THE

COLLEGE AND SEAMEN

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TO
SIR GEORGE BALLINGALL, M.D.

PROFESSOR OF MILITARY SURGERY IN THE
UNIVERSITY OF EDINBURGH,
PRESIDENT OF THE ROYAL COLLEGE OF SURGEONS,
&c. &c. &c.

THIS ESSAY,
AS A SLIGHT MARK OF ESTEEM ENTERTAINED FOR HIM
AS A PUBLIC TEACHER,
AND AS
AN IMPERFECT ACKNOWLEDGMENT OF PERSONAL FAVOURS CONFERRED,
IS RESPECTFULLY INSCRIBED,
BY
THE AUTHOR.

THE

SIR GEORGE BARRINGTON, M.D.

PROFESSOR OF MEDICINE IN THE

UNIVERSITY OF CAMBRIDGE

PRESENTED TO THE ROYAL SOCIETY OF LONDON

BY

THIS ESSAY

ON A SUBJECT OF GREAT IMPORTANCE

IN A SERIES OF LECTURES

AND

IN CONNECTION WITH THE STUDY OF MEDICINE

IN THE UNIVERSITY OF CAMBRIDGE

BY

THE AUTHOR

LIST

OF

FEIGNED AND FACTITIOUS DISEASES.

*Those marked thus * have been selected to form the present Essay.*

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| <ul style="list-style-type: none"> * Dolor. <li style="padding-left: 20px;">Odontalgia. <li style="padding-left: 20px;">Hemeralopia. <li style="padding-left: 20px;">Nyctalopia. * Amaurosis. * Myopia. <li style="padding-left: 20px;">Presbyopia. <li style="padding-left: 20px;">Amblyopia. <li style="padding-left: 20px;">Strabismus. <li style="padding-left: 20px;">Nictatio. * Dysecœa. <li style="padding-left: 20px;">Aphonia. * Mutitas. * Mutitas Surdorum. <li style="padding-left: 20px;">Psellismus. <li style="padding-left: 20px;">Veternus. <li style="padding-left: 20px;">Oneiroidynia Activa. <li style="padding-left: 20px;">Hysteria. * Insania. <li style="padding-left: 20px;">* Mania. <li style="padding-left: 20px;">* Monomania. <li style="padding-left: 40px;">* Melancholia. <li style="padding-left: 40px;">* Erreur de Sentiment. <li style="padding-left: 20px;">* Insania Moralis. <li style="padding-left: 20px;">* Dementia. * Epilepsia. <li style="padding-left: 20px;">Convulsio. <li style="padding-left: 20px;">Catalepsis. * Paralysis. <li style="padding-left: 20px;">Tremor. <li style="padding-left: 20px;">Paralysis Superioris Palpebræ. * Rheumatismus Chronicus. <li style="padding-left: 20px;">----- Acutus. <li style="padding-left: 20px;">Sciatica. <li style="padding-left: 20px;">Dysuria. | <ul style="list-style-type: none"> Enuresis. Paralysis Sphincteris Ani. Ischuria. Lumbago. Claudicatio. Morbus Lumborum. * Hepatitis Chronicus. <li style="padding-left: 20px;">----- Acutus. * Febris Intermittens. <li style="padding-left: 20px;">----- Continua. Dyspnœa. Dysphagia. Gastritis. Vomitus. Dyspepsia. Colica. Contractura. Hæmatemesis. Hæmoptysis. Hæmaturia. Epistaxis. Scrofula. Lupia. Physconia. Tympanitis. Peritonitis. * Syncope. * Palpitatio. * Aneurismus Cordis et * Pericarditis. * Pulsus Excitatus. * ----- Diminutus. Asthma. Hydarthus. Distortio. |
|--|--|

Varus.	Hydrophobia.
Caput Obstipum.	Jejunium.
Ægrotatio.	Vitæ Privatio.
Vertigo. Capitis Dolor.	* Ophthalmia Tarsi.
Debilitatio.	* ----- { Membranarum.
Podagra.	{ Conjunctivitis.
Stricture Urethræ.	Corneæ Opacitas.
Fistula in Ano.	Cataracta.
----- Perineo.	Diarrhœa.
Ozæna.	Dysenteria.
Perspiratio Fœtida.	Anasarca.
Anima Fœtida.	----- Oppilata.
Polypus Nasi.	Elephantiasis.
Prolapsus Ani.	Varix.
Hæmorrhoids.	Varicocele.
Icterus.	Sarcocele.
Fractura.	Atrophia.
Luxus.	* Ulcus.
Morbus Coxarius.	Otorrhœa.
Pneumatosis.	Cancer.
Hernia.	Cachexia. Pica. Extenuatio.
Hydrocele.	Marasmus.
Scorbutus.	Porrigo.
Gonorrhœa.	Alopecia.
Apoplexia.	Pompholyx.
Nostalgia.	Psoriasis.
Animalia in Ventriculo.	Impetigo.
----- Urina.	Urticaria.
Excretio Calculi. Lithiasis.	Vulnus Simulatus.
----- Alvi Evacuationum.	Ecchymoma.
Ascites.	Vulnus Factus.
Tetanus.	Amissus Dentium.

ERRATA.

Page 11, line 3, for attack. When,	read attack; when
" 25, " 19, for phsychology,	read psychology.
" 29, " 5, for in,	read under.
" 40, " 6, for Isfordulk,	read Isfordink.
" 44, " 29, delete When.	
" 47, " 18, delete comma at Datura.	
" — " 20, for Otorrhœa,	read Otorrhœa.
" 82, " 19, for semulée,	read simulée.
" 83, " 1, for chawæche,	read chwæche.

ON THE
FEIGNED AND FACTITIOUS DISEASES
OF
SOLDIERS AND SEAMEN ;

WITH HINTS FOR THE EXAMINATION, AND RULES
FOR THE DETECTION OF IMPOSTORS.

ALLEGED corporeal disabilities may be arranged under four heads : —

1st, Feigned diseases, strictly so called, or those which are altogether fictitious.

2d, Exaggerated diseases, or those which, existing in some form or degree, are pretended by the patient to exist in a greater degree, or in a different form.

3d, Factitious diseases, or those which are wholly produced by the patient, or with his concurrence.

4th, Aggravated diseases, or those which originated without the patient's concurrence, but which were afterwards increased by his use of artificial means.

Every feigned disease is pretended, or used as a pretext, in the sense which that word bears, as

a means to the accomplishment of an end. But every pretended disease is not always feigned; that is to say, that a disease may really exist, and yet be made to serve as a pretext. In such a case, it is for the physician to judge of the value of the pretext; or, in other words, to determine whether the nature and intensity of the disease are such as to accord to the patient the advantages which he claims.

One may feign the symptoms of a disease, without any disease existing — or else one may excite a state of real but temporary disease, in order to have it taken for a more chronic or permanent disease. Thus, for example, feigned epilepsy would be a disease simulated by imitation, whilst an ophthalmia would be a disease simulated by provocation, in a case where substances had been introduced behind the palpebræ for the purpose of exciting inflammation. Having premised these general remarks, the further consideration of this branch of the subject shall be reserved to a subsequent part of the Essay, where I shall be called upon to speak of the Classification of these diseases.

The motives which prompt soldiers and sailors in the navy to simulate diseases, are many and various; but they may chiefly be reduced to the following, namely, —

To obtain their discharge from the service, with or without a pension, &c.; — to avoid the performance of the duties which are imposed

upon them ; — to escape some particular service which is disagreeable to them, or to obtain some other that is agreeable ; — to obtain, *or prevent*, their removal from one climate or station to another ; — to obtain the ease and comforts of an hospital, &c. ; — sometimes, though rarely, to bring blame or punishment on an individual whom they dislike ; — to avoid an apprehended or adjudged punishment ; — to excite compassion or interest, &c. Revenge induces some persons to magnify slight ailments. Soldiers and sailors feigning disease are commonly designated as malingerers or skulkers ; the latter term is used exclusively in the navy.

In the army and navy, it is the duty of the medical officers to protect the public service from impositions of this kind. I need scarcely say, how well it is known how seriously, during the late prolonged wars, the service both of the army and navy suffered from such impostures being oftentimes successful, and how onerously the pension list was burthened by men quite unworthy of its advantages. On the decision of the medical practitioner as to the true character of doubtful cases, very frequently depends the acquittal or punishment of the alleged invalid ; and every one must feel the responsibility of such a situation.

In the consideration of this subject, it seems worthy of investigation why some diseases are assumed, in preference to others. Perversion of

reason, rather than the attainment of a discharge, or the evasion of duty, would sometimes appear to give rise to the simulation of disease. In corroboration of this, Dr. Cheyne says that he has no doubt that soldiers are often actuated by the same wayward fancies, so perplexing to the physician, which influence hypochondriacal or hysterical patients in the middling or upper ranks of life. And Dr. Hennen states, that some of the diseases of soldiers derive their character from a certain state of mental hallucination. Some soldiers, indeed, without any ulterior object, seem to experience an unaccountable gratification in deceiving their officers, comrades, and surgeon. And Marshall remarks, that the simulation of disease, in some instances, seems rather to be a consequence of insanity, than a rational attempt of a man to improve his future prospects. He instances a man who divided the tendo-Achillis with a razor, and prevented as much as he could its reunion, who bore an excellent character, had served twenty-six years, and might have been discharged with a good pension when he pleased. I think the principal, if not the chief cause, will be found to consist in "the relative facility with which some diseases may be feigned or formed;" but imitation of the real diseases which the impostors are in the habit of seeing, is the source from which they frequently derive their knowledge, and the exciting cause of their taking advantage of it. Thus soldiers and sailors are frequently

known to study carefully, and to mimic the ailments of their comrades.

As diseases are feigned for a variety of purposes, so the character of the assumed disability is calculated to suit the occasion. If a soldier wishes to escape or delay punishment, to evade duty of any kind, more especially that of embarking for foreign service, he simulates an acute disease. If, however, his design be to obtain a discharge, with or without a pension, he feigns an infirmity of another class — one which possesses a chronic, incurable character, calculated, if possible, to excite pity and commiseration. With reference to the first class, Hennen remarks, that there are some diseases, the symptoms of which are so obvious to a well-informed medical man, who watches them closely and at times when he is not suspected, that no artifice of those who pretend to labour under them can deceive him. These diseases are principally of the acute class.

Some diseases or disabilities are much more easily feigned than others; and in such, the imposture is often more difficult to detect. In those diseases, the symptoms of which are naturally obscure, or variable and uncertain, much care should be taken not to be misled; for every man engaged in practice knows, that there are some diseases where there is no change of pulse, or alteration of the natural colour or temperature of the skin, or any evident derangement of its functions, to indicate their existence. There are also

diseases whose symptoms may be imitated by the effects produced by certain drugs, or by the use of certain external applications. An intimate knowledge of the anatomy, physiology, and pathology of the human body, and of the effects of the articles of the *materia medica*, is consequently essential to the medical practitioner, to enable him in such cases to obviate false conclusions and detect imposture. The fact of some diseases being much more frequently and successfully feigned than others, might lead to some curious statistical mistakes. Suppose, for instance, information were sought respecting the relative prevalence of different diseases, in different climates, among persons in the navy. If the official records of the medical department were inspected for this purpose, it would be found that a large proportion of the invalids from the West Indies were affected with Hepatitis, and it is probable that the proportion might be greater than among the invalids from the East Indies. Now there cannot be a doubt that liver disease is, in truth, much more frequent in the latter climate than in the former, owing to particular circumstances.

Those invalided for complaints of this kind are chiefly officers from the West Indies, and the much greater proportion of this class, than of common seamen, in the invalid list, might be considered as indicating some peculiar causes of hepatitis among the officers in that country.

When a medical practitioner is called upon to

examine or treat a doubtful case of disease, he should endeavour to obtain all the information he can regarding the person's moral and physical habits, his probable motives, &c.; and he should also consider whether the alleged causes of the disease are founded in fact, or are probable. Another important point he should ascertain is, whether the pathognomonic symptoms of the disease are present. "It is obvious," says Dr. Cheyne, "that the more we know of disease by reading and observation, the more patience and temper we possess, the more successful shall we be in the detection of imposture." And I cannot but concur with him in believing that the wiles of soldiers in hospital will be more certainly discovered by those who have an accurate knowledge of disease, obtained from clinical observation, and pathological writings of authority, than by those possessing natural sagacity in the highest degree, if unassisted by a habit of carefully contemplating and studying disease. To force a soldier, who is unfit for the hardships of a military life, to continue in the service, is undoubtedly an act of great oppression, as well as a source of frequent disappointment to the commanding officer of the corps to which he may belong; while, on the other hand, every instance in which fictitious or fabricated disease escapes detection and punishment, becomes not merely a reward granted to fraud, but a premium held out to future imposition.

The difference with regard to the number of malingerers in different regiments is very great indeed. The extent of malingering also varies in different periods of our military history. In the present period of highly improved discipline of the British army, probably there are not two malingerers for ten who were to be found in the military hospitals thirty years ago. As the discipline of a corps approaches to perfection, so do instances of simulated disease become less and less frequent. In some of the cavalry regiments, in the highland and other distinguished infantry battalions, there is scarcely an instance of any of those disgraceful attempts to deceive the surgeon; while in the regiments which have been hastily recruited or raised, under circumstances unfavourable to progressive and complete discipline, the system of imposition is perfectly understood. The Irish are the most numerous and expert at counterfeiting disease. The Lowland Scotchman comes next to the Irishman, and what he wants in address, he makes up in obstinacy. Malingering seems to be least of all the vice of the English soldier.

There is a kind of free-masonry among soldiers, which is perhaps conducive to the harmony of the barrack room, but which, by preventing the exemplary from exposing the worthless, and by holding up the informer as an object of universal abhorrence, renders it extremely

difficult to obtain an accurate knowledge of the various means of simulating disease. Dr. Cheyne has no doubt that methods have been systematized for simulating disease, and that these are preserved in many regiments, and handed over for the benefit of those who may be inclined to make a trial of them. This opinion is corroborated by the experience of others, and is indeed confirmed by his own, as he relates several cases of systematic fraud. Marshall states, that there can be no doubt that individuals occasionally qualify themselves to carry on a scheme of imposition, by the perusal of medical books. Patients, he says, in general hospitals, commonly evince an excessive anxiety to procure case books, and avail themselves of every opportunity that offers of acquiring information by that means.

Recruits comparatively seldom enlist in consequence of a decided preference for a military life, but commonly in consequence of some domestic broil, or from a boyish fancy ; sometimes from want of work, and its immediate consequences, great indigence. Perhaps nine tenths of the recruits regret the measure they have taken, and are willing to practise any fraud, or adopt any means, which promise to restore them to their liberty and the society of their former acquaintances. Some excite ulcers — others affect stammering, deformity, pain in various parts of the body, deafness, blindness, epilepsy, contractions

of the fingers, &c. Individuals are sometimes met with, who refuse to move an arm or leg, and assert that they have lost the power of motion in their limbs. To obviate this disposition to fraud, a medical officer is under the necessity of presuming that a recruit is free from a disabling infirmity when no sensible appearance proves its existence, whatever assertions may be made to the contrary. Many recruits who, becoming disgusted at the service during the period of hard drill, evince a disposition to simulate ailments, or to aggravate trifling defects, have by mild and humane treatment been converted into excellent soldiers.

It is difficult for the simulator of a disease to give a consistent account of the origin and progress of his alleged disability. By a little address on the part of a medical practitioner, an impostor will almost always be led to enumerate incompatible symptoms, or greatly to exaggerate unimportant lesions. He is constantly prone to overact his part. He is too anxious to impress upon the medical attendant the reality and the severity of his sufferings. Remarks are thrown in purposely to obviate objections, and to reconcile the mind to what may seem extraordinary in the narrative; all of which are very unlike the bold simplicity of truth. The veracity of a soldier may be suspected, when he affects an acute disease, if it be discovered that he dislikes a particular duty to which he is liable, or that

he is disgusted with the service ; and also when the supervention of the disease is contrary to its usual mode of attack ; When he has an aversion to take his medicine, or evinces an excessive anxiety to adopt some means of recovery ; when incompatible symptoms occur, and the progress of the disease is not according to the usual course ; and when the medicines are reported not to be followed by their usual effects. In general hospitals, where soldiers are separated from the medical officers of their corps, who are intimately acquainted with their character, impositions are most frequently attempted, and in them it is impossible to prevent much fraud with regard to the simulation of disease ; for though a medical officer may have strong presumptive evidence in many cases, that no material disease exists, yet it is seldom that he can demonstrate the imposition. The greatest discretion is at all times required where presumption or probability (perhaps the only evidence afforded by medical science) points one way, and testimony another ; in doubtful cases, we are frequently liable either to deceive ourselves, or to be deceived. For the most part, nothing but the closest observation, constant and long watching, favoured by concurring circumstances, are likely to be successful in detecting impostors. An intimate knowledge of the duties, habits, good and bad qualities, of soldiers and sailors, will contribute considerably to prevent us being misled by their attempts to deceive. But this is a species of information which

can only be acquired by living among them — more particularly by being on board ship with them. To this circumstance may be attributed in an essential manner, the reason why some regiments have always a number of malingerers, while others have none, or scarcely any. Soldiers and sailors soon form an opinion of the ability of their medical officers on this point, and seldom attempt to deceive, unless they think their artifice will succeed.

“ It is impossible to specify particularly the diseases or disabilities on account of which soldiers may require to be discharged ; but great care ought to be taken by medical officers, not to mistake sympathetic morbid phenomena, for symptoms indicative of organic disease. Medical staff-officers should be particularly careful not to encourage the practice of malingering, by recommending men to be discharged on slight grounds, or whose alleged disabilities are of a doubtful character, or where suspicion may be entertained with regard to the origin of a disability, as in cases of mutilation, and particularly in cases of impaired vision. In fine, they are to be very cautious in recommending a man to be discharged, who is fit for the performance of any duty.”

I have thought it necessary to introduce these recommendations or orders, that no doubt may remain on the mind of the medical attendant as to the extent to which his accuracy of observation should be carried. There seems little doubt

that these circulars were issued, as much from the extent to which the simulation of disease was carried, as from its being observed in doubtful cases, that the naval and military officers, as well as the surgeon, had their patience exhausted by the perseverance of a decided skulker, — when it was not unusually remarked, “ He is a useless fellow,” and he had better be allowed to go, when a better man may be obtained in his place. Nothing can be more fallacious than this doctrine ; for no sooner does one of these impostors succeed, than two or three are sure to follow his example, in the hope of obtaining their discharge by pursuing the same plan. Every medical officer who may be employed on the duty of examining inefficient men, must be guided in his conclusions by his own discretion, professional skill, and practical acquaintance with the duties and habits of soldiers. He ought to pay due regard to their claims, while he devotes the requisite degree of attention to the public interest. He ought rarely to deem it expedient to recommend a man to be discharged, unless he is satisfied that some essential viscus of the body has become disorganized, whereby its functions are so much impaired as to render him unfit for duty. Marshall states, that when the unfitness of a soldier is not *clearly* established, he should not be recommended to be discharged.

When a suspected case occurs, a medical officer has two important questions to ask himself :

—*first*, What are the means most likely to be successful in discovering whether the alleged disability be real or feigned ; *second*, When a soldier has been detected in malingering, or in other words, when it is, after due consideration, presumed that an alleged disability is feigned, what are the most probable means of inducing him to return to his duty. In such a case, the medical officer ought to conceal his suspicions until they are confirmed or removed. He will then have all the advantages of seeing the suspected party under a variety of circumstances favourable to cool investigation. Moreover, his arrangements should be such as to enable him to detect fraud ; his hospital serjeant and orderlies, men on whom he can depend. By a prudent course, and sometimes by appearing to underrate the importance of the complaint, the malingerer may be led to change his mode of procedure, and the deceit thus become apparent (as in the case of a man who first simulated rheumatism and then added hæmoptysis.) Some regimental surgeons appear to give credit to the relations of the malingerer, and by asking questions unconnected with the symptoms, elicit answers so contradictory as to expose the deceit. Marshall recommends, that disabled men should be examined without their clothes : he states, that he knows from experience that it is as necessary in the examination of inefficient men, as in the inspection of recruits. They cannot thereby conceal what-

ever evidence of health may be inferred from a plump frame and muscular limbs. To this recommendation I would add, that the inspections should be conducted in private; for it has been remarked by those most experienced in these subjects, that the number of spectators always increases the obstinacy of the impostor.

It is frequently useful to depart from the ordinary mode of examination in doubtful cases, preconcerted plans being thereby entirely disconcerted, and the impostor puzzled. Violent measures of any kind, and violent language, are rarely if ever advisable or effectual, even in the army or navy, where patients are under the control of strict discipline: they more frequently do harm, as the impostor knows well that this mode of inducing him to abandon a scheme of fraud cannot last long. Percy and Laurent likewise state, that violent means of detecting imposture ought to be rejected as impolitic, illegal, cruel, and dangerous, as at the best they may be inefficacious and deceitful, and may only furnish contradictory results. That severe pain of the body will not influence some simulators to return to their duty, may be still farther evidenced by the circumstance that the sufferings imposed by malingerers upon themselves are infinitely greater than any punishment a commanding officer would dare to inflict; *e. g.* a man, for a period of eighteen months, walked with his body bent forward, so that his arms reached within two inches of the ground. Cop-

land well remarks, that even in real cases of feigning, painful or even severe measures should not be inflicted, as in most instances, and especially in the public service, the mind of the impostor is made up to endure even torture, rather than *give in*. Mild but, firm, and in other respects judicious measures, if persevered in, throw the impostor into despair. And to deprive him of hope is the best means of prevailing on him to resume his duty. Soldiers and sailors commonly return to their duty when they are deprived of all hope of succeeding in a scheme of imposture. Finesse will often succeed in detecting imposition, where harsh measures would completely fail. Nevertheless Percy and Laurent state, that it is permitted, nay even necessary, to put to trial men whom you cannot otherwise circumvent; but these trials ought to present no danger, nor expose the subject to any troublesome consequences. It is necessary, before having recourse to them, to have tried every means of persuasion, and to have put every thing in requisition to overcome the individual, or the confidants of the simulation. Dr. Cheyne, I think justly, does not approve of declaring in the hearing of the soldier (as has been done by some regimental surgeons) that he is suspected of malingering; as, though it may sometimes intimidate the raw soldier, it will only strengthen the hardened knave, and if the opinion be erroneous, the consequences may be very unhappy. In no instance

should means be employed to detect a suspected person, which a medical officer would regret having used were the alleged disability to prove real; and it is always a prudent measure "to allow a malingerer an opportunity of *giving in*, without making it appear that he is convicted; or, in the language of the hospital, *to let him softly down*."

A friend of Mr. Marshall's has been very successful in inducing malingerers to return to their duty, by addressing them thus, after having had them for some time under his care:—"I have carefully investigated everything relating to the pains you complain of. You do not suffer so much uneasiness as you state. I perfectly comprehend your drift; you wish to be discharged from the service. The plan will not succeed; take my advice, and get well as fast as you can. While you continue to complain of uneasiness and disability, it will be necessary to keep you on low diet; but as soon as I am informed that your health is improving, you shall have full diet, and it will be continued for a week or ten days, when you will be able to do your duty. I do not think your case requires the further use of medicine."

Shame may be excited by the seeming neglect of the medical officer, as also by the scorn and jests of the other patients. This aid should not be neglected, provided its agency can be regulated.

Fear may be judiciously excited by hinting

the probability of some powerful or disagreeable agency being employed after a certain time, if no improvement take place, as the actual cautery — or the removal to a hot climate, as the coast of Africa. This last suggestion ought to be very formally proposed, and would probably succeed best by being made by a medical staff-officer.

In cases of feigned disabilities of a chronic character, as palsy, contractions, &c., medical measures should rarely or never be employed. By treating a simulator of this class of disabilities actively, we are apt to impress him with the opinion that he has succeeded in masking his plans; in fact, that we believe his infirmities to be real, not feigned. Influenced by this opinion, he presumes that nothing but patience and fortitude are required to bring his imposture to a favourable issue. In proportion as he thinks he has borne much, he presumes he has the less to endure: much harm may therefore be done by annoying malingerers with remedial measures. (On similar grounds, we should be extremely cautious about transferring simulators from a regimental to a general hospital.) As long as soldiers have the idea that they can impose upon officers, and that the result will be for their advantage, so long will examples of imposition occur in the army. There is no better security against fraud than the removal of every encouragement to commit it, and if possible to obviate all probability of its success.

Some cases of imposition are easily discovered, but there are others which require calm and continued inquiry, during which we must learn the particulars relative to the character and objects of the supposed malingerer; — whether he has been much in hospital — is lazy or averse to his duty; whether the half-yearly inspection is at hand, or he has exceeded his period of furlough; whether he has been a clerk, or been brought up in trade or manufacture, and what are his views of support in civil life. Character alone is no criterion that a man is not practising this species of deceit; since it is certain that some malingerers have been persons of very good character. But in general, malingerers are men of bad character; “and the fact being established that they are so, will often remove all the difficulties of the case.” But we should be careful not to let the character of a man, whether good or bad, have too much influence on our conclusions in doubtful cases.

That variety of fraud, where a slight degree of disease or disability exists, but which is exaggerated by simulation, is infinitely more difficult of detection than where the defect is wholly pretended; and cases of this kind occur much oftener than those that are uncomplicated. To estimate how much of the disease is real, and how much pretended, is frequently no easy task. In such cases, truth and fraud are often intimately combined, forming a compound so fallacious as to

render it almost impossible to disentangle the one from the other. Many of the invalids transferred from regiments to the general military hospitals at Chatham and Dublin, are of this class. Indeed much discrimination is often necessary, when (to use the language of the hospital) "a soldier is making the most of his complaints." When actual illness is exaggerated by the soldier (who, it is possible, may think himself unfit for military duty) that he may procure his discharge, and having just accomplished a certain term of service, obtain a pension also, he will make a display of his sufferings, and heighten the expression of disease in such a way as to show that he has been a close student of symptomatology. It is impossible to establish rules for such cases. Accurate knowledge of disease will lead to a proper decision, provided we look simply to the good of the service. And I cannot but agree with Dr. Gordon Smith in believing, that after all that may be written on the subject, particular cases will require some particular exertion of ingenuity, for which no previous instruction could provide — a remark in which Paris and Fonblanque concur. Nevertheless, I will presume to lay down the following precepts, which embody, with several additions, those already mentioned in the foregoing pages: the five general rules given by Zacchias, with so much discrimination that most succeeding authors have sanctioned them, are embodied therein: —

General Means, tending to discover whether a Disease is simulated.

First. When it is proposed to determine the existence of a disease, concerning the reality of which there are doubts, we ought in the first place to consider whether the affection is of such a nature as to be capable of imitation. Then we ought to apply ourselves to ascertain the degree of difficulty of this imitation or provocation. Thus, for instance, a febrile disease will present fewer resources for feigning than aphonia. We may state, in general, that diseases of the internal functions (with the exception, however, of the disorders of the sanguineous circulation, and those which are attended with fever,) are more easy to counterfeit than those of the external functions ; because the greater part of the external affections *strike more positively the senses of the observer*, and are consequently more easy to appreciate and to discover than internal affections.

Second. We ought to take into account, whether the age, external habits, temperament, and way of life of the suspected person, accord with the disease which he pretends to have.

Third. The moral situation of the suspected patient may often furnish much light : — Firstly,

it will indicate if there exist in him motives sufficient for him to feign a disease with which he is not afflicted. Then from it may also be concluded the degree of aptitude of the individual to play or sustain the character he has chosen; and upon these ascertained observations may be founded the plan and direction of the researches proper for discovering the truth.

One may conceive, for instance, that it is necessary to interrogate with much more finesse the “*rusé*” man, possessed of instruction and experience of the world, than the simple villager, whose ideas are much more contracted. This rule, however, meets with frequent exceptions; for individuals have been met with, whose youth, simplicity of manners, apparent candour, and even ignorance, would have excluded every suspicion of deceit, who yet have succeeded in an eminent degree in imposing on their inspectors.

Fourth. The questions ought to be put in a manner so as not to indicate too decidedly to the patient what is desired to be known, and consequently in such a manner as not to dictate to him the answers he would have to make. Thus, for example, it is not necessary to ask an individual, whose natural thinness would favour the simulation of pulmonary phthisis, — Do you perspire much? — do you feel weak after you have perspired? On the contrary, it is necessary to say, — What is the state of your

perspiration? How do you feel after perspiring? —do you feel stronger? &c. These questions, however, ought to be followed up, or intermixed with other interrogations which have no connexion with the disease of which we are speaking. It was thus that Sauvages discovered a false epileptic, by asking the patient if she did not perceive a species of wind, rising along the arm, and which then descended along the back and thigh. She answered in the affirmative, and a castigation completed the cure. Moreover, one may surprise the attention of the patient, and put to fault his presence of mind, or excite him to acts inconsistent with the reality of the disease.

Fifth. It is indispensable to have a particular regard to the causes capable of producing the disease whose existence is involved in doubt. The history of the internal causes, and particularly the relation of the external or occasional causes, will facilitate much the research. The less, in fact, the patient is able to define the origin of his disease, the less will he be able to establish a plausible connexion between it and the causes which have produced it, and the more it is necessary to mistrust the reality of the alleged disease.

Sixth. Symptomatology furnishes the most proper means for recognising the truth. Often does the patient pretend symptoms foreign to the affection he wishes to imitate. At other

times, when the disease he assumes is of such a nature as not easily to admit of a change of symptoms, he varies them, whether it be by excess or defect, and thus betrays his deception.

Seventh. The effects which medicines produce upon the patient, as also the desires and repugnances proper to certain morbid states, may throw considerable light on our researches. Thus, for example, in bilious affections, one has generally a repugnance to animal nourishment, and a desire for acids.

Eighth. There are circumstances in which it is necessary to visit the patient at intervals, and unexpectedly, and to have him watched by persons whom he does not suspect. Particular observation should then be directed to his gestures, his actions, his manner of conducting himself, and even his pulse. This precaution is principally useful in those kinds of pretended diseases which do not manifest themselves but by an accession; and also where there is a necessity for determining an affection with Melancholia. Our attention ought especially to be redoubled at the time when the accession takes place. Thus, for example, in a periodic epilepsy, it is at the approach of the period which he has indicated to be that of the commencement of the paroxysm, that the patient ought to be continually an object of active surveillance.

Ninth. Humanity obliges us to proscribe the use of menaces and too rigorous treatment.

These, however, become excusable when the certainty of deceit has been acquired, or else when the disease, if it were real, would be of a nature to imply lost, suspended, or impaired sensation. Thus, in a paralysis which is suspected of being feigned, if the patient declares that he has lost all sensation in the paralytic member, one may, in order to be assured of it, try some painful measures. The same applies to a case of feigned epilepsy.

Tenth. There is a great number of cases in which the physician cannot discover the fraud, or rather prove the imposition of the patient, but by judicious, and in some respects unlooked for resources. These resources must then be the fruit of his ingenuity — they cannot be indicated in general precepts. It may be merely said, that they will be drawn from empirical psychology, and more frequently still, from the knowledge of *physiology*. The first especially may lead to advantageous expedients, in those kinds of simulated affections, in which the intellectual operations ought to hold a principal place. There may be cited as an example, the case of Victor Foy or Trouvenait, as detected by the Abbé Sicard, [mentioned under the head of Deaf-Dumbness, *postea*.] The aid of physiology is, as we have said, still more important in difficult cases, where the address of the impostor cannot be overcome but by opposing to it a superior address. Thus the patient at the

Hotel Dieu, of whom M. M. de Robécourt and Lethier speak in their inaugural theses, feigned chronic vomiting, and returned by his ejecta even the clysters which were administered to him. It did not require any great physiological knowledge, on the one hand, to conceive that such a disease could not agree with the air of health and *embonpoint* of this patient; and on the other, not to admit the possibility of the injections being returned by vomiting. They were therefore certain as to the deceit; — but it was necessary to overcome the simulator. This they did by injecting an enema, the colour of which was unknown to the patient, and which consequently he could not prepare: no vomiting on this account took place. Hutchison originally recommended a plan, which was adopted, and has since come into very general use in the navy, namely, to cause the suspected skulkers to range themselves along the passage leading from the captain's cabin, there to be admonished by him. He has found no plan to operate more effectually, or so well, as the captain's addressing them in a language calculated to operate on their minds as British sailors.

Dr. Cheyne is strongly of opinion, that in no instance ought the medical officer, on his own authority, to use punishment, in order to force the malingerer to return to duty. While a doubt remains upon his mind, he ought to prescribe the most effectual remedies for the

disease, assuming it not to be feigned, fictitious, or exaggerated; and no painful remedy should be made use of, unless actually approved of in the genuine disease. When the surgeon is convinced that the complaint is unreal, the case ought to be reported to the commanding officer, with the grounds for his opinion. But he may also propose any measures which his knowledge and experience entitle him to recommend as likely to lead to detection, and put a stop to the practices of the culprit. If the commanding officer authorises him to use personal restraint and punishment, these may then be had recourse to; but if he employ such measures on his own responsibility, he may have the commanding officer in opposition to him, and perhaps lose his influence, character, or commission. I need merely point out, as corroborative of this opinion, what befel the surgeon of the *Utile* Frigate [as mentioned under the article Deaf-dumbness.] When the surgeon of the regiment understands that he is not to inflict punishment unless authorised, his observations will be made with more calmness, which is highly desirable, as even after the most dispassionate consideration, our conclusions will sometimes be erroneous; and it must be confessed, that there is a degree of *éclat* attending the detection of a fraud, which is very likely to lead the practitioner astray, by inducing him to attach undue importance to the supposed proofs of guilt. Such cases have unfortunately

occurred, and the innocence of the party has been compromised by the vanity of the inquisitor. I could illustrate both these propositions by many cases, but for the honour of medicine, I will allow them to sleep in the shade. I will merely refer to the cases mentioned by Cheyne for the former, and to that related in the *Cyclopedia of Practical Medicine*, p. 150, for the latter. Doubtless there are many affections of the brain, of the thorax, of the abdomen, as well as disease of the hip joint, which at first have been supposed to be feigned, but which eventually proved genuine, producing death or incurable disease. Such facts as these show us the propriety of proceeding regularly and deliberately in every case, how much soever appearances may be against any individual who has reported himself sick. Indeed, the obvious duty of a medical officer, in every doubtful case of disability, is to free himself to the utmost of his power from every bias, whether it be in favour of or against the statements of an individual. He should simply endeavour to discover the truth, without being afraid to find a man guilty, and without entertaining a wish that the person under examination may be detected as an impostor. Every individual deprived of health merits that his lot should be sympathised with — that consolation should be afforded him; — in a word, that his misfortune should be softened and alleviated as much as possible; and, above all, that he should be permitted to reap all the advan-

tages of society, without being obliged to submit to charges incompatible with his situation.

Why constrain a man to the service of the army, without being assured that his physical constitution will support him ^{under} the fatigues and privations which the service exacts? Nevertheless, what troublesome consequences may arise, if feigned diseases and infirmities become the agents of insubordination and immorality? It must be remembered, that the evils which result from discharging one malingerer from the service sometimes extend very widely. Success excites enterprise, and where many attempt fraud, some will gain their end. Hence arises the propriety of being extremely careful not to discharge an impostor; for his good fortune will assuredly serve as an encouragement to others. We have but to look to the wonderful, almost incredible obstinacy which some malingerers evince, night and day, with the endurance of a fakir—remaining in the most irksome positions for weeks or months—walking with their bodies bent double—eating their own excrements—irritating sores in the leg till amputation of the limb is required—and destroying their members. Many are the instances of factitious diseases excited in military and naval hospitals which have ended fatally.

It seems to be the general opinion of medical officers in the British army (and Coche is of a similar opinion), that regimental hospitals, when

well regulated, are more favourable than general ones to the detection of imposture. The knowledge which in most corps the officers, non-commissioned officers, and surgeon, must possess of the character, habits, and prospects of all the privates of the regiment, will often lead to a discovery of the motives of the malingerer, and thus divert him from his object, or disconcert his scheme. It seems, therefore, inexpedient to encourage the transfer of malingerers to a general hospital, unless when the regiments are going abroad to a foreign station, or upon service.

1. *Pain* — is the disease, or symptom of disease, which is most *easily* feigned, as it does not fall under the cognizance of our senses. It is the ordinary resource of those base soldiers who prefer the hospital to active service. Its simulation is frequent, and detection often difficult. In fact, pain is the disease most *frequently* assumed; and in proportion to the facility of assuming it, must be the vigilance of those whose duty it is to detect the fraud. All must admit, that a considerable degree of pain may exist without a well marked change in the external appearance. The inquiry should be made, in all suspicious cases, as to where the disease is situated, what is probably its cause, the nature of the pain, its symptoms and effects; and if there have been any remedies used, what they are. Flying or migratory pains are very common among soldiers and

sailors, and are known by the cant name of the *all-overs*. If the surgeon listens attentively to the narrative, and begins to catechise his patient with apparent simplicity and good faith, he may bring him to admit the existence of any symptom, however absurd, and thus to betray himself. Generally, however, the seat of the pain is either the external or the internal parts; and probably these latter may often be more easily detected than such as are alleged to have their site in the external parts, inasmuch as pains of a simply nervous character are perhaps of less frequent occurrence in the latter situation; and pain depending on other causes will be accompanied by other appropriate symptoms. But external pains are generally of that kind which is deemed a slight disease: moreover, it is often accompanied with change of colour, tumor, heat, or redness. But it is equally true, that there are species of severe pain in which the physician can find no appearances on which to found an opinion; and of this description are scorbutic and venereal pains. There are, however, other means of detecting these.

Internal pain is generally accompanied by symptoms which it is impossible to assume, and their absence will of course lead to suspicion. Thus, pain in the head is attended by loss of sleep, vertigo, fever, and sometimes delirium; — in the thorax, by cough and difficult respiration. If it is seated in an essential

part endowed with much sensibility, such as the stomach, the patient ought to have cold sweats, bilious vomiting, anxiety, pallor, cold extremities, fever, perhaps inflammation, aversion to every kind of nourishment, and other similar symptoms; — if situated in the intestines, flatulence, borborygmi, diarrhœa, or obstinate constipation, harass the patient. In affections of the kidneys and bladder, besides other symptoms, such as nausea and vomiting, there is ardor urinæ — high-coloured urine, depositing a sediment, and sometimes mixed with blood; sometimes there is suppression — sometimes it comes dribbling with dysuria. So also in the other organs, each has its peculiar symptoms, which, if the disease be real, are not periodic or occasional in their attacks, but incessant; and their severity is generally greater during the night. Inquiry ought also to be made concerning the cause of sickness, and a comparison drawn between it and the violence of the malady.

With respect to the species of pain, we should examine whether it be sharp, heavy, or darting, and whether the parts complained of are susceptible of such pain, — comparing this kind of pain with the symptoms which ought to accompany it, such as diminution of power, heat, loss of sleep, of appetite, thirst, &c. Moreover, it is important to know the duration of the pain complained of, since it is very rare that it is prolonged for any length of time without

exhibiting manifest and unequivocal signs. If violent pain is stated to be present, and the patient notwithstanding enjoys a good appetite, sleeps well, and does not lose flesh, we have reason to doubt its severity, and even its reality.

Much may be learned from the remedies employed. Powerful ones are indicated if the disease be real, and in that case the patient will not object to their application. It may also be proper to mix a little opium in the food of the patient; and if sleep be thus readily induced, we may form an opinion as to the severity of the disease. In some suspected cases, Marshall has known a regular exhibition of the *mistura diabolica* followed by a gradual and complete recovery. Where this means fails, the following plan may be tried:—To address the patient formally before his comrades, and to tell him that every care had been taken to comprehend the nature of his complaint, which is not recognisable by external symptoms, and to apply the proper remedies for his recovery, though unsuccessfully;—that as he still complained of severe pain, it would be necessary to reduce his diet, for fear of aggravating the uneasiness; and that for the future, it was intended in his case to trust to the beneficial influence of low diet, confinement to bed, and time.

To follow up the measure, the surgeon should, in his visit to the sick, pass this man's bed without noticing him: the distant prospect of success, and the scorn of his comrades, induce many an

impostor to give in who is treated in this manner. Lentin relates a singular history of a pretended pain in seeing, and the operation which was the result. Waldschmidt relates the story of a peasant who was suddenly cured of a pretended cephalalgia by speaking of the trepan. Zacchias also mentions such a case; and Balard states that he cured a pretended, or rather exaggerated case of pain, by an emetic. Still it must be admitted, that detection in cases of this kind is more likely to be obtained by means of collateral evidence, and by the inconsistencies and contradictions of a patient in his history of the complaint, than by the absence of positive and sensible indications of disease. Zacchias says, that it is difficult for a simulator to pronounce, without contradictions, the narration of his disease, and the explanation of the causes and the species of the pain. Thus, if he be interrogated, and for example he say that it is the inferior part of the head that is pained; that the pain is throbbing, and that his head appears cold to him and as if oppressed by a heavy weight; and if he say that the exciting cause of the pain has been too great humidity of the place which he has occupied, then contradictions are evidently proved; for these are irreconcilable, because a throbbing pain arises from a heating cause, whence such a pain could not arise from such a cause, or exist with the feeling of coldness; — or, if interrogated as to the duration of the pain, and he say that the

pain which is throbbing is also continued—that it never intermits, though it is subject to remissions—that these remissions occur more frequently during the day than the night; then from these are we also entitled to draw a presumption of fraud; because a throbbing pain, such as arises from a heating cause or plethora, is usually most intense during the day and after taking food.

Every experienced practitioner has witnessed cases of most severe pain in almost every part of the body, in persons who could not be expected to feign; and the whole history of that great and increasing class of diseases termed neuralgiæ, is but a melancholy testimony in favour of the possibility of real pain being unmarked by any certain external signs.

Several instances of such kinds of pain, which have been termed neuralgic, have fallen under the observation of Dr. Copland. These have often disappeared for a time, either during treatment, or without the use of any means. Many of the reputed cures of these would have occurred without the use of any remedial measures whatever;—but to whatever cause the recovery be attributable, the return of the pain in some form or degree is generally observed, although of this as little as possible is said, by narrators of extraordinary cures; and sometimes a return of the complaint is the least unfavourable occurrence, a more dangerous or even fatal malady taking its place,

especially in the rheumatic and gouty diathesis; examples of which are given by Parry in his *Elements of Pathology*.

Too often, I think, have we reason to fear that the absence of symptoms in such diseases has been the cause of great additional suffering to the victims of neuralgia in the public service. Foderé himself refused for fifteen years a certificate to a young soldier who complained of violent pain, sometimes in one part sometimes in another; but when, after death, no organic disease could be found, he attributed the destruction of life solely to the repetition and duration of the pains. I may bring forward the shameful and discreditable case mentioned in Johnson's *Journal*, and the unfortunate example mentioned by Cheyne, of pain and uneasiness in the loins, believed to be feigned, but ending in lumbar abscess, and death. Copland states that he has no doubt that formerly, when the pathology of the spinal cord and its membranes was less attended to than now, many very severe affections, occasioned by changes in this quarter, were viewed as fictitious. But again, it must be remembered that many cases are recorded where individuals have supported the assumption of severe pain, with great cunning and resolution, under every privation and much real suffering;—*e. g.* the case related by Lentin; also others related by Percy and Laurent, and another by Foderé, of long-continued pain in the

knee joint (eight months). Corroborative of this, Marshall states that some simulators have a degree of fortitude which resists every means of conviction, and that medical officers are occasionally induced to sanction the discharge of a man, rather in consequence of exhausted patience, than from an undoubted belief that a real source of infirmity exists :—a procedure which I cannot acquiesce in, as to admit the allegation of wandering pains, unsupported by physical changes, as a cause of discharge, would be to open a door for simulation which it would be impossible to close.

2. AMAUROSIS. Blindness generally arises either from cataract, or amaurosis : the first is discoverable by very plain symptoms ; the last leaves the physician in doubt without ascertaining by experiments its existence. Blindness without any apparent cause is not an unfrequent disease in military life, and there is reason to infer that the loss of vision is only pretended. The means used to excite this affection are the extract or recent juice of the atropa belladonna, and hyoscyamus niger, or henbane. The distilled water of the spurge laurel and the datura metel is said to have successfully produced this effect. The extract of henbane causes dilatation of the pupil after twenty-four hours ; the extract of belladonna after six hours. It is impossible to distinguish at first sight the temporary amauro-

sis produced by these drugs, from the real; but the isolation of the individual for twenty-four hours will discover the truth, — for being unable to procure the substances to excite the artificial amaurosis, the eye will then resume its natural state. It is by the aid of these narcotic substances, and by an address peculiar to some well informed individuals, that amaurosis is ordinarily simulated; at least in two of its leading symptoms, — immobility, and dilatation of the pupil. The signs by which we recognise a simulation of recent date are the following:—The eye has preserved its form and its colour; at least if the amaurosis at first simulated has not become real in consequence of too often repeated applications: in such case, the transparency is always a little troubled; the contractions of the pupil on the sudden admission of light, and its dilatation in obscurity, have not yet ceased to manifest themselves. In the true and complete amaurosis, nothing of this kind is observable; we remark, on the contrary, that the iris has lost its mobility, and that it is insensible to the impression of the most lively light, even that from the sun.

But this remark, which serves to confirm the existence of the disease in the great majority of cases, is far from being infallible. Richter asserts, that nothing positive can be drawn from the mobility or immobility of the iris; for not only is the dilatation of the pupil not a constant symptom, but the immobility of the iris cannot be regarded as

always accompanying gutta serena — this membrane being still capable of contraction, in spite of the most complete blindness. This arises from the nerves which it receives from the third and fifth pair not participating in the lesion of those from which the retina is formed.

A similar difference exists in the manner in which the phenomenon of the contraction of the iris takes place, in the true and in the factitious disease. In the first, or true disease, the contraction of the circle of the iris is slow and momentary; in the other, the contraction is as prompt as its dilatation. But, finally, if the contraction were equally indicated in both instances, the diagnosis may be made in this way: — In the simple true amaurosis (that is to say, when it exists only in one eye), if the pupils contract and dilate successively when the two eyes are open, close the sound eye, and immediately the iris of that which is diseased will remain unexcitable; the pupil will dilate, and appear angular. Make the same experiment on the case which you suspect of recent simulation, and you will remark that the iris of the eye remains open, and continues to be sensible to the light, offering no irregularities like that of the pupil in the true amaurosis. Should it be otherwise, the amaurosis at first feigned has become real, by the continuance of the provocation in the use of the exciting means. Percy and Laurent in the *Dict. des Sciences Med.* state, that the eye in the feigned disease is almost always

bedewed with tears—a remark with which Coche coincides. They state also, that in those cases where the sudden loss of sight arises from an accident, the aqueous humour forms a tumour, which pushes forward the transparent cornea. Isfordink states, that the truly amaurotic will tranquilly wait for an operation in which the point of the lancet threatens to enter into his eye; while the impostor, by closing his eye, or suddenly twitching, lets one observe that he sees the danger before him. He also takes notice of the impossibility of the rapid formation of this state.

Sometimes the pretended disease is entirely detected by accident; — *e. g.* a case in Cyclop. Prac. Med. of a seaman of the *Utile* frigate, who, to save himself a beating, opened his eyes to inflict one on his adversary. Mahon's test is their avoiding things put in their way. He relates the case of a recruit feigning blindness, for whose detection all means were tried unsuccessfully, even placing him on the bank of a river, and ordering him to walk forward (which he did), and where the impostor could only be discovered by his own confession on the promise of a discharge. Foderé says the proof in this case would have been complete, if instead of a river he had been put on the edge of a precipice, where he might see that nothing could prevent his destruction. But “What if he had been really blind?” In this observation, the difference between practice and theory is manifested.

It has been stated on good authority, that 200 conscripts were excused from service in the French army by the use of belladonna.

3. MYOPIA. — This being a state of vision easily feigned, and, when real, incapacitating the subject of it for the duties of a soldier, is one of the most common disabilities assumed by soldiers and unwilling recruits. In the department of the Seine, of every 1000 conscripts who were exempted from service in consequence of disabilities, from the year 1800 to 1810, fifty-eight were excused in consequence of being near-sighted. Never were there in France so many myopes as during the conscription laws. Formerly, of 100 young men, scarcely five were found to wear concave glasses; — then, at least 20. The habit of wearing glasses became so common, and this means of obtaining an easy discharge so general, that at last such individuals were placed among the pioneers, the hospital corps, &c. “It is curious to observe,” says Foderé, “how many young men have, during the last 20 years, worn convex glasses, in order to acquire myopia; which, however, is not the certain consequence, but more commonly this practice leaves a weakened and defective sight, differing from it, and also from that which is the effect of old age.”

It is neither from an inspection of the eye, nor from the account of the individual, that we can judge concerning the reality of this complaint;

though the goose-foot wrinkles at the corner of the eye, and the strongly marked habitual frowning, or knitting of the eyebrows, especially when looking at an object beyond the reach of distinct vision, may aid our diagnosis. But it may be ascertained by presenting an opened book, and applying the leaf close to the nose, or by putting on glasses proper for near-sighted persons. If the individual cannot read the book distinctly when placed thus, or when the above glasses are used, we may feel confident that the disease is feigned. This mode of examination should be rigidly adhered to, since, as far as the observation of the French surgeons extended, no complaint was more frequently urged by those who wished to avoid military duty than near-sightedness. Still I am not aware of any unequivocal symptoms indicative of the existence of this disability, as a man may accustom himself to the use of glasses, so as to read a book put close to his eyes; *e. g.* Dic. des Sciences Med. p. 347. A man may be so far short-sighted as to be able to read a book placed close to his nose, who is not incapable of the ordinary duties of a soldier on account of limited sphere of vision. A medical officer would require to be very scrupulous in recommending a man to be discharged on account of an alleged disability which presents no obvious character, and of which no other proof could be adduced but the testimony of the individual concerned. Myopia is a decided example of this class of disabilities.

Between 1800 and 1810, 643 conscripts belonging to the department of the Seine, or about $2\frac{1}{2}$ per cent., were exempted from service on this account, — a much greater proportion than there ought to have been, since this affection is of very uncommon occurrence in those ranks of life from which soldiers are taken. Mr. Ware found, that in nearly 10,000 foot guards, myopia was almost unknown, not six men having been discharged, nor six recruits rejected for it, in nearly twenty years.

Unless Presbyopia be accompanied with a flattening of the cornea, and retraction of the pupil, it ought not to form ground for exception.

With regard to Amblyopia, which consists of seeing objects at all distances confusedly during the day as well as night, we acquire from examination some certainty, when we perceive that the pupils have changed their diameter, or when they have lost somewhat of their mobility, or of their regularity. I know of no feigned case occurring in the British army. It is the duty of the surgeon not to pass his judgment upon these different diseases of the eye until he has collected all the rational proofs of their existence. Moreover, though the different defects of sight, when considerable, may expose the soldier labouring under them to the loss of a post, they do not hinder him from being useful in the other services in which he may be employed in the army.

4. DEAFNESS is frequently pretended by recruits, as also by deserters, and other faulty individuals who find themselves in the provost guard. The difficulty of determining whether this affection be true or feigned, has caused many young men to simulate deafness. And certainly they have often done so with so much art and perseverance as to obtain their discharge. Ryan says it can be simulated so well, that it is almost impossible to detect impostors. Nevertheless, they may almost always be discovered, if not limiting ourselves to one examination, we set a watch on them night and day, to take advantage of the snares into which they can scarcely fail to fall, unless, indeed, they by an extraordinary circumstance have a fortitude of mind which never abandons them.

Deafness is frequently attempted by young men, but it is in general alleged to come on very rapidly, whereas the real disability takes place very gradually; and, as in pretended blindness with regard to the organ of vision, so also the natural but involuntary language of the countenance generally evinces that the impostor continues to gain intelligence of what is going on around, through the organ of hearing. An impostor of this kind generally overacts his part, and alleges that he is quite deaf, which is a rare circumstance. ~~When~~ At the same time that he appears a stranger to what is passing around, he may be detected in various ways, though

generally either through accident, or by finesse. Thus he sometimes turns round when sharply called upon by name, or when one lets fall in his way some pieces of money. Cheats often allow themselves to be surprised by the most simple questions, after having resisted the most difficult trials.

These proofs, which have been able in some circumstances to discover the fraud, will generally fail if not immediately successful, because they are known. He is often detected (when he does not assume complete deafness) by the interrogator gradually lowering his voice to a moderate tone, — the impostor continuing to answer questions thus put. Deafness is sometimes detected by finesse. It was detected in one case by fear, the individual crying out that he was not the man, when he heard himself ordered to be arrested for robbery and murder. Ambrose Paré proposes to detect it by communicating in the man's hearing some circumstances in which he is greatly interested, and noticing the effect of the intelligence upon his countenance, or upon his pulse. He has detected an impostor by making a sudden noise. Dunlop detected a case by putting the man to sleep with opium, and firing a pistol near his ear, on which he started out of bed; — though Baron Percy observes, that by exercise, some young men have so successfully affected deafness, that a fire of musketry exploding suddenly at their side could not draw from

them the least mark of fear or surprise. Peas, beans, the pith of the juncus, &c. have been introduced into the meatus to aid in the deception.

We are furnished with a means of discovering the deafness which proceeds from *otitis*, by the diagnosis of the disease itself. But when the cause cannot be appreciated in any certain manner—that is to say, should one not recognise a true pathological state of the ear, a paralysis of the nerves of this organ, an affection of the brain, or a mechanical cause obstructing the transmission of the sonorous vibrations, in consequence of a disposition acquired or congenital—the individual ought scarcely to be recommended to be discharged.

It ought to be remembered, that deafness may arise from a deep-seated abscess.

During the year 1818, there were thirty-six men discharged and placed on the pension list, in consequence of alleged deafness. I have not mentioned here the means which are often adopted to countenance the fraud — namely, the simulation or artificial excitement of purulent discharge from the ears: these will be found under the head of *Otorrhœa*.

5. DUMBNESS is not unfrequently pretended, and sometimes successfully. When this affection depends upon paralysis of the nerves of the tongue, it itself is slender and emaciated, and with difficulty is projected from the mouth. On examination, it appears as if drawn together and

collected into the shape of a ball. When it depends upon paralysis of the larynx, it is impossible to hear any sound, even upon coughing. If one squeeze the throat to excite a cough, there is a movement made in the chest, communicated to the larynx, but the species of noise which results can scarcely be called sonorous. Sneezing, excited by the sudden exposure of the eyes to the sun, or the insufflation of an errhine into the nose, will be attended with the same result. Some cheats know how to carry their tongue behind, so as completely to simulate the mutilation of this organ, and consequently the impossibility of uttering articulate sounds. It is necessary to employ the hand to assure ourselves of the truth in such cases. The ingestion of some stupifying substances, as certain of the Solaneæ, Datura, Stramonium, &c. may occasion a temporary dumbness; but this temporary provocation is discovered, and the fraud detected, by isolating the individual. Coche says, that it is ordinarily simulated with so much mal-address, that it is generally detected at the first examination; but the fact of Baron Percy being foiled in discovering an impostor, shews the ease with which the affection may be assumed. The detection ought not to be difficult, *though it may be hard to make the simulator give in.* If a person has acquired the habit of speech, and can move his tongue, he is certainly an impostor, should he pretend to be dumb. For further remarks on this head, see next article.

6. DEAF-DUMBNESS is occasionally simulated for a long time without detection. To illustrate the truth of this assertion, we may refer to cases by Marshall and Cheyne, and more particularly to the case of Victor Foy, or Trouvenait, whose ingenuity resisted for four years an infinity of investigations by the most scientific men in France, Germany, Switzerland, Spain, and Italy, but whom the Abbé Sicard afterwards detected by his writing as he heard, not as he saw. Notice may also be taken of a pretended deaf and dumb person, who deceived the Abbé de l'Epée, and called himself the son of Count de Solar. Such as are really in that unhappy situation acquire a physiognomy and certain gestures, which it is difficult to assume, and almost impossible to prepare for every examination that may be made.

It is not uncommon for soldiers to pretend that they have been suddenly struck deaf and dumb, while all the faculties of the mind continue unimpaired. All those that Dr. Cheyne has seen were impostors.

The voice may be lost in some nervous affections, but the hearing remains unimpaired. The hearing may be destroyed by various causes, —generally by disease of the internal ear; but in such cases the power of speech is unimpaired. That the power of those nerves which supply the organs of speech and hearing should be destroyed, while there exist no other symptoms of disease of the nervous system —while the tongue and or-

gan of the voice retain their muscular power—is utterly incredible;—and yet this description of imposture is maintained with unyielding obstinacy. Generally, impostors of this class possess a stubbornness and perseverance in carrying out their plans, surpassing all belief. Yet a peculiar expression of countenance, and a peculiar rough voice, characterize the deaf man. The practice of this species of fraud rests upon a vulgar error. Persons who are born deaf, are said to be deaf and dumb; and hence it is supposed by the unreflecting, that the loss of the sense of hearing necessarily draws along with it the loss of the faculty of speech.

The impostor frequently forgets himself in sleep, when any one calls him by name. He endeavours to escape from danger when there is a great noise. Discharge from the ears often proves to be a mixture of stinking eggs and rotten cheese, &c. (*Vide* *Otorrhœa*.)

The dumb man, when he is attacked at night, as if by a murderer, forgets his part in defending himself, and cries out; whereas he ought merely to give a kind of screech. Extreme pain often entices from him articulate tones,—though Cheyne mentions the case of a man pretending this complaint, who was shot in the ear by an awkward recruit, yet did not forget himself. Very frequently the deaf hear, and the dumb speak, when an operation threatens them. This, however, was not the case with a seaman

on board the *Utile* frigate, who pretended to be deaf and dumb. The surgeon, appearing to be deceived by him, made very formal and ostentatious preparations for an operation upon his throat, and while his attention was thereby engaged, he applied a lighted candle to the man's fingers. He resisted this test, however, and represented his case to the Admiralty, who caused the surgeon to be dismissed his ship for cruel or at least unprofessional treatment of his patient. The person afterwards finding that the deceit was productive of no advantage, gave in. This man was of a very different temper from the simpleton of whom Parr speaks: — "How long have you been dumb, my good friend?" says a passenger, with the most insidious humanity. "Three weeks, Sir!" replied the incautious deceiver.

Though the detection of a fallacy of this kind ought not to be difficult, still it is often very hard to make the simulator give in. Perhaps the best mode of making an impostor return to his duty is to place him in solitary confinement, and on low diet. This treatment has often succeeded, after the failure of all other means; — *e. g.* the case of a private of the 7th dragoon guards, who persevered for fifteen or eighteen months in his imposture. The other means of detecting this pretended complaint are mentioned under the heads of Deafness and Dumbness.

INSANITY. — Owing to the importance of this subject in a medico-legal point of view, chiefly from many who have committed crime thereby seeking to evade punishment, as well as to the necessity of great caution on the part of the physician, and because in insanity, even more than in many other feigned diseases, we are compelled to draw our conclusions more from negative symptoms than the presence of certain signs, — I have introduced a short account of the symptoms which chiefly characterise the different species of this dreadful infirmity. Though I follow the division of Esquirol, in classifying these species, I may here state, that dementia is the form of insanity most easily, frequently, and successfully feigned; — certain kinds of monomania are more easily, though perhaps less successfully, and certainly less frequently feigned than mania, — of which, furious mania is the form commonly assumed. Moral insanity, from its nature, will be seldom imitated, especially that form which is considered in this essay, viz. homicidal monomania, — this last species can only be regarded in a medico-legal manner.

7. MANIA. — Generally pain in the head and throbbing of its arteries, and sometimes giddiness, precede an attack of insanity.* Coeval with these is watchfulness, with a desire to go abroad and ramble; — a change in the appearance of the eye precedes incoherence of language: there is

* Haslam.

a peculiar muscular motion of those organs, a protrusive and wandering motion peculiarly tiresome to the beholder. During a paroxysm they appear as if stiffly and firmly pushed forward, and the pupils are contracted,* but the eyes still present rather a dull than a fierce character.† The muscles of the face are changed, suffering alterations depending on the succession of ideas which pass through the mind of the sufferer. Uneasiness, loss of power, of attention, of memory, quick hurried steps and sudden pauses succeed. Those who were regular and established in their habits become active, jealous, and restless. Those who were of a lively disposition become indolent and indifferent, hypochondriacal, and fearful of disease. Vigorous action of mind and body supervene — particularly great muscular strength. The language, both in tone and manner, becomes different from the usual habits of the maniac. Anger, without assignable cause — attempts to perform feats of strength or agility — incessant talking, sometimes boisterously, sometimes in a whisper, with sudden variations in the tone — incoherent volubility — a repetition of the same phrase or conversation, with violent and ridiculous gestures, may be noticed as concomitants. The necessary quantity of food is neglected, and fasting is endured apparently without inconvenience — though some are unusually and indiscriminately voracious. The stomach

* Hill.

† Bell.

and bowels are torpid — costiveness prevails — the stools are white, small, and hard. The urine is scanty in quantity, and usually high coloured. The pulse is very various ; sometimes full and laboured, sometimes natural ; but little dependence can be placed upon it as an indication. The tongue is usually moist, sometimes whitish. There is often a preternatural secretion of saliva and viscid mucus from the mouth and throat, which is with difficulty discharged by spitting.* There is frequently great thirst,† and generally a stoppage of the secretion of the mucus in the nose. During a paroxysm they are insensible to heat and cold, but suffer like the sane.‡ The senses are often perverted, constituting ILLUSIONS.|| The *ear* more particularly suffers. The *eye* is also diseased, and not uncommonly the sense of *smell* is perverted. The derangement of the *taste* is, however, the chief agent in this. The *touch* frequently loses its power of correcting the other senses. The insane are pusillanimous ; though occasionally boisterous and fierce, they are readily overcome by a person of decision. Alienation from friends is one of the most constant and pathognomonic traits of the malady.

There is no disease, says Zacchias, more easily feigned, or more difficult of detection, than the one under consideration ; and hence, he remarks, many great men of ancient times, in order to

* Rush. † Esquirol. ‡ Haslam, Esquirol, and Knight.

|| As distinguished from the term *hallucination* by Dr. Morrison.

elude the danger that impended over them, have pretended it — as King David, the sage Ulysses, Brutus the expeller of the Tarquins, and Solon the Athenian.

Of the class of mental diseases, those most commonly simulated are — simple cases of melancholia, extreme cases of furious mania, and intellectual weakness, or drivelling idiocy. There are also some examples of simulated fatuity, to which deafness or dumbness are added, but these are rare.

During the war, both among the prisoners at home, and those retained longer in the services than they desired, all the forms of disordered intellect were feigned; but the most common was that of furious madness, assumed with the view of effecting a temporary purpose, such as the evasion of punishment, the removal to an hospital, &c. When the design was to obtain a discharge from the service, melancholia or idiotcy was the form assumed. Furious mania is now rarely assumed for the purpose of obtaining a discharge from the service, since those unfortunate men whom the ravages of climate, or the chances of war, have wholly unfitted for society, are sent to Fort Clarence, where they receive that ease and attention which their sufferings so amply merit.

Marshall believes mental alienation to be frequently feigned in the army. But individuals who become really afflicted with this disease are

often suspected to be impostors. Recruits, in particular, are almost invariably presumed for some time to be deceiving, when insanity supervenes. A medical officer can never exercise too much caution in giving an opinion upon doubtful cases of mental disorder, more especially where that opinion may involve a breach of discipline, and consequent punishment. Mr. Marshall recollects two cases of non-commissioned officers becoming permanently insane, upon being confined in consequence of a charge of misconduct. That mistakes sometimes happen, is unfortunately too well proved. This fact ought to lead the medical officers in the public service to study with great care the indications of insanity, and ought moreover to induce them, wherever there is a shadow of doubt, to lean to the side of mercy. It is infinitely better that they should be deceived, than that a poor wretch, already suffering under the most grievous of natural calamities, should undergo additional misery through their ignorance.

Dr. Cheyne says it is extremely difficult to feign insanity, so as to deceive those who are familiar with the phenomena of mental disease; yet he states that we are in more danger of supposing insanity simulated when it is real, than of supposing that disease to be real which is only pretended. I think his remarks upon the whole tend rather to prevent us from supposing a real attack to be feigned, than to point out to us how to detect fraud.

The discrimination of the fictitious from the real disease is not always so easy as those who have never witnessed both are apt to imagine. It is true, that when we consider the very peculiar and complex phenomena which characterise true madness, and reflect on the general ignorance of those who attempt to imitate them, we have no right to expect such a finished picture as could impose on persons well acquainted with the real disease. And yet, on the other hand, when we consider how imperfectly the operations of the intellect, either in a state of health or disease, are known to medical men in general, and how few opportunities the medical officers in the public service have of observing the phenomena of insanity, and reflect how natural it is for the feelings of honourable men to take the part of apparent distress, it need not surprise us that the pictures drawn even by such rude hands have imposed on educated minds.

We should in all cases inquire whether any of the family of the individual have had insanity. But unfortunately, medical officers are seldom able to procure any information of importance respecting the liabilities of the relatives of a suspected man to insanity, or concerning circumstances calculated to excite or depress the mind. We should also inquire whether he has sustained any injury of the head, or been affected with fever, with delirium, or epilepsy ; or if he has been engaged in a protracted course of dissipation.

("Sobriety is so rare a virtue among soldiers, that many alienations of mind are attributed to drunkenness, which in reality are the consequences of fever; and the deception is the more complete, that the look and general appearance often combine with the state of the senses to deceive the incautious and superficial observer.") Has his mind been lately excited or depressed?—has there been any change in his habits, before any overt act of insanity was committed?—has he evinced a restless disposition, an irritable temper, a loss of moral restraint? &c. The circumstances under which the alleged insanity has supervened, the man's previous character, the probability or improbability of the disease being assumed, and many other obvious considerations, will all materially assist the diagnosis. For instance, if we find a man not previously liable to be so affected, nor hereditarily predisposed to insanity, suddenly exhibit the appearance of this disease under an impending trial or punishment, or other threatened evil which might be averted by such a state, there is certainly a presumption in favour of the disability being feigned. It is, however, to be borne in mind, that the very same apprehension of exposure, disgrace, or punishment, which affords motives for simulating insanity with the view of escaping them, may give rise to the real disease.

In our day, madness is most commonly simulated to escape the punishment due to crime, and

the responsibility of the medical examiner is consequently great. It is his duty, and should be his privilege, to spend several days in the examination of a lunatic, before he pronounces a decided opinion. If this be allowed to him, and also if he be enabled to obtain a complete history of the antecedent circumstances, much may be effected towards forming a correct opinion.

Hoffbauer remarks, "That it is rare that an individual simulates mania to avoid a punishment which he has incurred, especially when he knows that in case the fraud be not discovered he will be confined as dangerous to society. Besides, the vulgar always confound insanity with furious mania, (*Wahnsinn*,) and most men would prefer to perish than to be supposed to labour under this last malady; in general, except in cases of mania, the accused would prefer punishment to confinement as a lunatic. One is therefore right in supposing that man to be a maniac, who, to avoid punishment, would wish to have himself considered as affected with furious mania."

I am precisely of an opposite opinion to that which the author has advanced in the preceding paragraph. Of all the species of mental alienation, furious mania is that which is most frequently simulated, because it is of that kind which most vividly strikes the multitude, because the vulgar generally believe all madmen to be furious, and because he who wishes to deceive imagines he has only to cry out, to run, to menace, &c., to im-

pose on all the world. Moreover, he who would have simulated mania would not be dissuaded from continuing his trick by the fear of being regarded as a furious maniac. The essential thing for him is to appear mad, without regard to the species, since the result will be the same.

The following remarks may serve as points on which the inquiry is to be grounded, and the comparison instituted :—

It requires powers beyond the scope of ordinary exertion to counterfeit the character of an active paroxysm to its full extent.

The deception is not maintained when the pretenders are alone, and unwatched ;—the assumed malady then disappears, and the imposture is recommenced when they are in the society of others. A bold and clever dissembler will not, however, thus leave himself exposed to detection, as it is known that men (afterwards detected, and admitted on their own confession to be impostors) have carried their simulation to so exquisite a height as to eat their own excrements, even when shut up in their cells, suspecting they *might* be overlooked. Seclusion, however, is particularly necessary in all such cases, as nothing tends so much to keep alive the hopes and the courage of an impostor as the consciousness that his raving is heard by his fellows, and the belief that an impression favourable to his views may be made on the minds of his officers by the continual exhibition of his miserable state.

A certain cast of countenance, and gestures accompanying it, are so peculiar to the insane, that a medical examiner familiarised to them will generally be able to discover whether the disease exists or not. The features of the maniac are sometimes so much altered, that he is scarcely recognised by his most intimate friends. His looks wander, being scarcely ever fixed — his face is flushed and swollen — his eyes suffused. An impostor could not exhibit any such change. Dr. Hennen tells us, that a feigned maniac never willingly looks his examiner in the face; and states, that he has had confessed to him, that a person feigning madness could not support the inquiring glance of the physician who examined him. This test, however, is not very conclusive, inasmuch as we know that lunatics regard those under whose control they have been placed, or those whom they fear, with a subdued air, a cast of countenance which may be confounded with the reluctant manner of a simulator. "When the eye of an insane person meets that which has so often checked his vacillatory motions, the instant of such a meeting is the instant of self-correction, of silence, or of sudden order, and surprising self-possession."

Pretenders often outstrip madness itself, and seem desirous to exhibit themselves in its most violent and disgusting forms. In fact, men who feign madness most commonly overact their part. They generally seek to personify the notion of

madness usually entertained by the vulgar, namely, the total abolition of the reasoning faculty, instead of its partial perversion. The case related by Foderé, of a young woman undoubtedly a pretender, is a proof that nothing is too disgusting to appal a determined will.

Real lunatics, at the period of remission, are desirous of being deemed free from the malady, and often assiduously endeavour to keep from observation those lapses of thought, memory, and expression, which are tending to betray them. The feigned never desire to conceal their situation. They court observation, talk wildly on every subject, fearing to shew a coherence of idea upon any one. They never attempt to prove to those around that they are of sound mind, as is frequently done by maniacs.

Alexander Cruden, when suffering under his last attack of mental alienation, upon being asked whether he was mad, replied, "I am as mad now as I was formerly, and as mad then as I am now,—that is to say, not mad at any time."

It is more common that madmen pretend to be sane, than that sane persons feign madness.

Pretenders are unable to prevent sleep: that watchfulness, which is so constant an attendant on the insane, can scarcely be preserved for any length of time by those who are in actual health.

The temperature of lunatics, according to Dr. Knight, is below the natural standard. During paroxysms of the disease, they are remarkably

insensible to variations of temperature, especially great diminutions; whereas the temperature of impostors is natural, and they cannot assume insensibility to cold.

Abstinence from food is another circumstance respecting which there will often be observed a marked discrepancy between the real and pretended madman.

The physician should endeavour to obtain from the individual a history of himself. This requires attention and time, but the prosecution of the inquiry may lead to the development of some probable motives for his present conduct. He should also examine what the causes of the disease (whether pretended or real) have been — (it will be difficult for him to ascertain the existence of the moral causes, the patient being generally interested in their concealment,) — and whether they were sufficient to excite the affection; more especially should he learn whether the usual premonitory symptoms were present, such as want of sleep, troublesome dreams, aversion to nourishment, to society, &c.

It is to be observed also, that the real disease is often slow in its advances, and that, on looking backwards, various circumstances will be recollected in the conduct of the patient, which lead to the conclusion that his mind has been, perhaps for months, in a state of occasional aberration.

“ And he, repulsed, (a short tale to make),
Fell into a sadness: then into a fast:

Thence to a watch : thence into a weakness :
 Thence to a lightness : and, by this declension,
 Into the madness wherein now he raves,
 And all we wait for."

HAMLET.

He has become restless, vindictive, or passionate; and those principles which formerly guided his conduct seem to have lost their influence over him; or he has avoided society, appeared pensive, and often absorbed in reverie; while his altered looks have betrayed the uneasiness of his mind. In cases of feigned mania, the paroxysm comes on suddenly, abruptly, and violently, without any premonitory symptoms, and often under circumstances where the object of it can be distinctly seen.

Mr. Hill recommends attention to the presence or absence of the peculiar animal odour that is observed in maniacs; and says, "The best means of detecting its presence is to enter the bedroom of the subject on his first waking, after having slept in a small ill ventilated room, in sheets and body linen occupied by him for some time; the curtains now to be opened by the inspector. On inhaling the effluvia under such circumstances, it is scarcely possible to be mistaken."

Dr. Rush proposes a rule grounded on the following circumstance:—The pulse, according to his observations, is more frequent in all the grades of madness than in health.

"Lay not that flattering unction to thy soul,
 That not your trespass but my madness speaks :
 My pulse as your's, doth temperately keep time,
 And makes as healthful music."

HAMLET.

I have some doubts as to this frequency of the pulse, and can therefore only recommend it as a test worthy of notice, but not of great value. He mentions some cases in which it was applied, and which deserve notice. The effect of information of a welcome or unwelcome nature on the pulse of the individual, ought to be carefully observed.

The therapeutical and physiological action of remedies may throw considerable light on the nature of the affection. The administration of a strong dose of tartar-emetic unknown to the suspected person, has been advised. Where a common dose takes a full and a powerful effect, deception may be suspected, as it is stated that such an effect never follows its administration in any stage of approaching or actual insanity, and more especially in the maniacal form, which is commonly attempted to be personated.

It is very difficult uniformly to assume that extreme and sudden irritation, which in real maniacs instantly arises from any contradiction of their opinions or wishes.

In general, madmen have the most absurd and contradictory ideas on some points, while they are sane and rational on others, which do not awaken the imagination on the subject of their delirium.

Marc proposes, as another test, to repeat to the insane person a series of ideas recently uttered. The pretended madman, instead of wandering incoherently, would judge it most expedient to

repeat the same words, for the purpose of proving his madness.

"It is not madness
That I have uttered ; bring me to the test,
And I the matter will reword, which madness
Would but gambol from." HAMLET.

It may sometimes be proper, if suspicion exist, to speak of some severe remedy, or to *threaten* some punishment. The really insane do not heed these, being occupied with the phantasms of the imagination ; and hence they are insensible to the operation of hope or fear :

"And wordy madness, laughing wild
Amid severest woe." POPE.

The feigned, on the other hand, will often discover, by words or actions, the emotion which the threat produces :

"My tears begin to take his part too much ;
They'll mar my counterfeiting." EDGAR.—*King Lear*.

"Deprendes animi tormenta latentis in ægro
Corpore, deprendes et gaudia ; sumit utrumque
Inde habitum facies." JUVENAL.

Zacchias relates a case where the threat of whipping sufficed to cure the pretended malady, inferring that the external irritation might be useful if the disease were real, or too severe a test if feigned. Foderé also, on the same principle, detected another case, by ordering the application of a red-hot iron between the shoulders if the howling did not cease — if the patient were not dressed, and the room in order at his next return.

In no case, however suspicious, is the medical practitioner authorised to go beyond the employment of means of a strictly professional kind.

He may indeed use all the artillery of annoyance supplied by medicine, and he may even, as I have mentioned above, threaten extra professional infliction ; but he must never go beyond this line. (When convinced of the imposition in the case of a soldier or sailor, it is the duty of the medical officer to state his opinion to his military superiors. The punishment of such a crime is altogether foreign to his station and profession.)

Dunlop thinks that the best mode that has yet been discovered for forcing a man who feigns madness, to confess deceit and to desist from his imposture, consists in the use of the whirling chair ; that is, a chair placed upon a spindle, which revolves upon its own axis, and is turned by a wheel and crank with the rapidity of the fly of a jack. It produces nausea, even to syncope, and after two minutes of such discipline, few men can command spirits sufficient to act any part. It was by this means that Macdougall of Glasgow was rendered sane, when he feigned madness to avoid being tried for sinking ships ; but he betrayed himself by the common fault of impostors, "not having a method in his madness," but mixing up the two irreconcilable characters of

"The moping idiot and the madman gay."

A case is related in the United Service Journal for November 1829, in which this mode of treatment succeeded, after every other remedy had

been tried in vain. The impostor was a soldier in the Honourable East-India Company's service. He was placed in the whirling chair, which had an immediate satisfactory effect: on coming out of it, he confessed that all along he had been imposing on the medical officers.

There are perhaps some substances in nature capable of producing true madness; but then, either this madness is of no long duration, and the fraud will be soon discovered, or if it be prolonged, it is accompanied by symptoms which will develop the cause, and indicate to the physician the treatment which he ought to employ for its cure.

In this, as in all other feigned diseases, impressing the impostor with the hopelessness of his attempt to succeed in gaining his object, will be found the most effectual means of putting an end to the simulation. A few words intentionally dropt in the patient's hearing, but as if incidentally, expressive of the expectation entertained by the medical attendant, that the case would be cured, and of intended perseverance in the treatment then pursued, have often proved prophetic. Instances have been known of a stop being almost immediately put to simulated madness, by sending the soldier to the depôt for the insane.

It is fortunate that the very treatment most suitable to the recovery of persons really deranged, is that which is most intolerable to the impostor. None but the most determined cha-

racters will be long able to resist the horrors of solitary confinement, bread and water, and the constant pain of blisters and other counter-irritants.

I cannot conclude this subject better than by just noticing the recommendation of the Circular from the Army Medical Department, dated 22d January 1830, viz. —

“There are two important circumstances always to be considered : *First*, Whether the mental affection is of that degree which completely disqualifies a man for being a useful soldier ; *Second*, Whether his mental alienation or weakness is sufficiently conspicuous at all times to prevent his being approved by a medical officer should he be discharged and subsequently re-enlist.”

MONOMANIA. In this form of mental disease, the permanent delirium is confined to one object, or to a small number of them. The sufferers are pursued day and night by the same ideas and affections, and they give themselves up to these with profound ardour and devotion. They often appear reasonable, until roused by some external impression to the diseased train of thought.

The character of this form of insanity is very various, depending on the species of delusion that is present. Some fancy themselves deities, kings, &c. &c. Some, when suffering under this form, are excessively irascible, and are hurried into a violent passion or fury without any apparent

motive ; at such times they often become dangerous to themselves and those around.

This description of lunatics "eat much, but sometimes they endure hunger with great obstinacy ; they have frequent pains in their bowels, and costiveness is common. The pulse is full, hard, and strong, and the skin warm."*

The form of monomania which is commonly assumed is —

8. *Melancholia*. — This is a disease of mature age, rarely affecting young and athletic individuals, though often affecting very young persons. Its causes operate most powerfully at the age of puberty, at which time the disease is remarkable for its rapid progress and height of excitement ; in adult age it is more chronic. This disease is characterised by a peculiar appearance, and particularly by black hair and eyes — by a striking cast of countenance, as the complexion is either yellow, brown, or blackish. The physiognomy is wrinkled and languid, but the muscles of the face sometimes become convulsively tense, and the countenance full of fire.

The pupils of the eye are dilated, the eyes themselves are dull and muddy looking, rolling heavily on surrounding objects ; generally they are fixed with an unmeaning stare on vacancy. The adnata is commonly of a dull purplish red colour. Holding a strong light near the eyes produces a very transient effect.† There is great

* Parkman.

† Hill.

apprehension, accompanied by indifference as to personal comfort. The state of reverie and delusive ideas gradually become more fixed, till the sufferer becomes, as it were, inanimate, motionless, and speechless—a fixed position of the body is a common attendant. The pulse is extremely vacillating, generally slow and feeble, yet labouring. The skin is dry and burning. The extremities cold and bathed in a clammy sweat.* The tongue is brownish yellow, furred, with intensely red edges. Constipation, flatus, and eructation are common. The urine is pale, thin, and cloudless, unless morbidly retained. There is usually great thirst; and a peculiar odour is perceptible from their bodies. Watchfulness is common, and sleep, when present, broken by visions and frightful dreams. They are often sane, except on the subject of their delusion.

There are few melancholics whose delirium is not exasperated every two days. Many have a strongly marked remission in the evening, and often at meals; others are exasperated at the beginning of the day, or at the approach of evening.† It has been observed that the symptoms are aggravated by the recumbent posture.‡

The attempt to feign melancholia is much more difficult, according to Dr. Haslam, than to pretend mania.

The true melancholic seeks to shut up within himself his sad ideas, or at least he speaks but

* Knight.

† Parkman; Haslam.

‡ Haslam.

little of them, and betrays himself less by his discourse than by his physiognomy, his countenance, gestures, and whole external habit. The signs indicative of it are the more apparent, the less he believes himself observed: the contrary takes place in simulated melancholia, unless one has got to deal with an experienced impostor. He is deficient in the presiding principle, the ruling delusion, the unfounded aversions, and causeless attachments, which characterise insanity. He is unable to mimic the solemn dignity of characteristic madness, nor recurs to those associations which mark this disease; and he wants the peculiarity of look which so strongly impresses an experienced observer.

He will be more readily detected when he is observed less by one's self than by others. Besides, it is better to interrogate upon his conduct the people who surround him, and afterwards to bring forward their testimony against him, than to charge these persons at once with his surveillance; for he will perhaps penetrate their intentions, and put their sagacity at defiance.

This part of the subject is further continued under the general head of Mania, where the general rules for detection are more fully specified.

9. *Erreur de Sentiment*.—It is not impossible that a man, to obtain a desired end, should simulate perverted and depraved feelings and affections (Prichard — *Erreur de Sentiment* of Esquirol — *Wahnsinnige Melancholie, Wahnsinnige*

Parrrheit of Hoffbauer.) Nevertheless it appears, that in general a simulation of this kind would produce more obstacles to the design of an impostor than he would be able to clear away, on account of the surveillance which is exercised over such individuals.

It is not rare to see persons advance, for the deceit of others, things which, if they themselves believed, would incontestibly prove them to be lunatics ;— such are fanatics pretending to divine revelations, &c., demonomaniacs. In such cases, one must suppose the aberrations to be feigned, as it would be against the interests of the impostors to pass themselves off as mad.

It is difficult for an individual to simulate *erreur de sentiment* so as to avoid a punishment which he may have incurred for the commission of a crime. But such perverted and depraved feelings and affections as are simulated by those who give themselves up to furious transports and voluntary convulsions, may so gain upon them, that unconsciously they may deceive themselves. The most certain proof of simulation in such a case is, that when the individual believes himself to be alone, he loses his energy, forgets his game, changes the expression of his countenance, and otherwise soon betrays himself. The simulator of *erreur de sentiment* is frequently recognised by his want of knowledge of that which he imitates. As he thinks it sufficient to appear to want understanding, he commits at the same

time actions which contradict each other — one being the symptom of mania, another that of dementia.

In simulations of *erreur de sentiment*, that species of disease which is the consequence of weakness of the feelings, will generally be preferred, as that is the variety which manifests itself most strikingly. But we have a number of means of assuring ourselves of the integrity of the feelings: besides, it is impossible to simulate the physical weakness which is conjoined to this species of mental infirmity.

10. MORAL INSANITY.—Under the disputed form of mental disease termed *Moral Insanity*, I have to consider Homicidal Monomania, which is merely a variety of this species of mental alienation, and which chiefly comes under our notice in a medico-legal point of view.

The term *Moral Insanity* has been adopted, because physicians have not been able to detect any delusion or hallucination in the persons affected. The intellectual faculties appear to have sustained but little injury, whilst the feelings and affections are perverted and depraved, and the power of self-government is lost or greatly impaired. Dr. Prichard, in a late essay, has proposed the following definition: “Moral insanity, or madness, consists in a morbid perversion of the natural feelings, affections, inclinations, temper, habits, and moral dispositions, without any

notable lesion of the intellect, or knowing and reasoning faculties, and particularly without any maniacal hallucination."

It is under this division of insanity that the commission of acts of violence frequently occurs. In many it displays itself in an irresistible propensity to commit murder (Homicidal Monomania), in others to commit theft, while some are impelled to set fire to buildings, often of the most venerable description. We are told, that when this state is connected with the false belief of some personal injury actually sustained, "it does not come under the head of moral insanity" — there is an hallucination. "But if the morbid phenomena include merely the expression of intense malevolence, excited without ground and provocation, actual or supposed, the case is strictly one of moral insanity." There are some in whom the disease commences and ends in intense irascibility.

Owing to the striking resemblance which this species of insanity bears to crime, our legal tribunals can hardly be considered as giving an assent to its actual existence.

Homicidal Monomania.—It has been proved for more than thirty years, by the valuable researches of the celebrated Pinel in mental alienation, that a sanguinary instinct may be accidentally developed in the most virtuous man, and may carry him often irresistibly, without any reasonable motives, to the most terrible ex-

cesses ; and although this truth has been clearly demonstrated by most remarkable facts, it has rarely been taken into consideration by the tribunals of justice, especially in France, and is even there repelled by judges as a fatal error. Dr. Georget believes that madmen have died upon the scaffold, and that others have undergone every mark of infamy. Esquirol, who at first was scarcely inclined to believe in the existence of homicidal monomania, has within some years had several occasions to acknowledge that Pinel had well observed the disease, and that the malady really exists ; he even goes so far as to assert that "madness without delirium or hallucination is the proper characteristic of mental derangement. There are madmen (he observes) in whom it is difficult to discover any traces of hallucination ; but there are none in whom the passions and moral affections are not disordered, perverted, or destroyed. I have in this particular met with no exception." Spurzheim defines insanity to be either a morbid condition of any intellectual faculty, without the person being aware of this ; or *the existence of some of the natural propensities in such violence, that it is impossible not to yield to them.* Dr. Elliotson suggests that there should be included in the definition, the idea of such irresistible violence as *leads to criminal acts.*

Homicidal Monomania, says M. Esquirol, presents two well marked forms, namely, with or

without delirium or hallucination. In one form, the murderer is hurried on by a strong but delirious conviction, by the exaltation of a wandering imagination, by false reasoning, or by maniacal passions. The monomaniac is always excited by an acknowledged and unreasonable motive, and always offers sufficient signs of partial aberration of intelligence or of the passions. In the other form, the homicidal monomaniac shows no appreciable alteration in his intelligence, or passions. He is led on by a blind instinct—by an idea—by some undefinable feeling—which prompts him to kill; and even when his conscience recoils with horror from the act which he is about to commit, the unbalanced will is overcome by the force of that feeling which hurries him on. The man is deprived of his moral liberty—he is a prey to partial madness—he is a monomaniac—he is morally insane. In this species of madness (*Homicidal Monomania without delirium*) one cannot observe any intellectual disorder. The murderer is led on by an irresistible power, by a force which he cannot overcome, by a blind impulse, by an undeliberated determination; one cannot divine that which prompts him—without interest, without motive, without intellectual aberration,—to an act so atrocious, and so contrary to the laws of nature.

Not only do the individuals of whom we speak preserve among themselves the greatest resemblance, and present the characters of Monomania, but they essentially differ from criminals.

Homicidal monomaniacs are lonely, without accomplices who can incite them by their counsels or their example. Criminals have their companions in immorality and debauchery, and usually their accomplices.

The criminal has always a motive: the murder is for him only the means to an end; it is to satisfy a more or less criminal passion, and is nearly always complicated with some other criminal act. The reverse is the case in the homicidal monomaniac.

The criminal selects his victims from those who may present obstacles to his designs, or who may inform against him. The monomaniac immolates those beings to whom he is indifferent, or who have the misfortune to come in his way at the time when he is seized with the idea of murder, but more frequently he chooses his victims among those objects who are most dear to him. A mother kills her infant, and not the child of a stranger; a husband destroys the wife with whom he has lived in harmony for twenty years; a daughter wishes to murder the mother whom she adores. Is not this horrible propensity observed in maniacs? Is it not an evident proof that neither the reason, the feelings, nor the will, have directed the choice of the victim, and that consequently there has been an aberration of those faculties which govern our determination?

When the criminal has consummated his crime, he flees from pursuit — he conceals himself. If

taken, he denies it; he has recourse to all possible means of deceit, in order to mislead; if he avows his crime, it is when he is overwhelmed by the weight of conviction; even his confession is accompanied by concealments, and most frequently he denies all till the instant of his suffering — hoping to the last to escape the grasp of the law.

When the monomaniac has accomplished his design, he has no more upon his thoughts: he has killed, he has finished everything, his end is attained; after the murder, he is collected, and does not think of concealment. Sometimes, satisfied, he proclaims that which he has done, and surrenders himself to the nearest magistrate. Sometimes, after the consummation of the crime, he recovers his reason, his passions arise from their slumber, he is in despair, invokes death, and wishes to destroy himself. If he is delivered up to justice, he is morose, sad, uses no dissimulation, no artifice, but immediately reveals calmly and candidly the most secret details of the murder.

Pinel relates the case of a self-willed, violent boy, encouraged by his mother in every caprice and passion. The slightest opposition produced actual violence — any animal that offended him was put to death. As he grew up, he was constantly engaged in broils, and ended his career by murdering a person who used offensive language to him. On his trial, this course of conduct was adduced as a proof of his insanity; and he was condemned to perpetual confinement in the Bicêtre.

The differences between homicidal monomaniacs and criminals are too well defined — the resemblances between monomaniacs and the mad are too constant — for any one to confound the homicidal monomaniac with the criminal. They can hardly be separated from maniacs, who have a partial and fixed hallucination.

Dr. Georget says, that we may conclude that there exists a homicidal monomania, sometimes with aberration of the understanding — sometimes with perversion or abolition of those faculties which govern the passions ; that in the two cases the man is deprived of his moral liberty ; that there exist characteristic signs of this species of mania, and that it is possible to distinguish the homicidal monomaniac from the criminal, at least in the great majority of cases.

At the end of the fifteenth century, Marescot, Riolan, and Duret, charged with the examination of Marthe Brossier, accused of sorcery, terminated their report with these remarkable words —

“ Nihil a demone, multa ficta, a morbo pauca.”

It may be said, in characterising the murder of monomaniacs,

“ Nihil a crimine, nulla ficta, a morbo tota.”

11. DEMENTIA. The understanding and memory of those suffering under this form of disease are either totally, or to a very great extent impaired: yet on a few points the latter seems to be in a perfect state. “ Habit, however, has a

great influence on their conduct, and gives it an appearance of regularity which should not be mistaken for reasoning."*

They hate, love, or fear particular individuals uniformly, and kindness or attention will seldom, if ever, give them confidence in those they dislike.

They are usually calm and quiet, though occasionally short periods of fury supervene; they sleep much, enjoy a good appetite, and are apt, if neglected, to become slovenly and dirty in their appearance.

The ideas, though few and isolated, sometimes pass in rapid or alternate succession, giving rise to incessant babbling, unwearied declamation, and continual activity, without object or design; occasionally they assume a menacing air, without any real anger, and this is soon succeeded by immoderate laughter.†

The appearance is generally peculiar; the countenance pale, the eyes dull and moist, the pupils dilated, and the look motionless and without expression.

There is a variety as to emaciation or fatness; some are extremely thin, while others are corpulent.

There is perhaps no species of disability which requires to be judged of with more care and circumspection than that of intellectual deficiency. In almost every regiment or corps, there are a

* Parkman. † Foderé. *Traité du Délire*, Vol. I. p. 413.

few men who are alleged to be defective in memory, perception, and judgment; who never acquire, or never seem to acquire, a knowledge of their duty, and who usually pay but little attention to the state of their dress and accoutrements. Mental incapacity, or inaptitude for acquiring the manual or platoon exercise, is easily feigned, and very difficult of detection.

In cases of doubtful idiocy, the fact should be noticed, whether they are pusillanimous and submissive. This is a precept of Zacchias; but it must also be remembered, that impetuous excesses sometimes occur in individuals of this description: their memory and conception should likewise be put to the test.

However skilful may be the attempt to counterfeit dementia — (and it is the most easily assumed of all the forms of insanity)—yet there is always in the pretender a kind of hesitation and reflection to be observed in his discourse. His wild ideas do not succeed each other with the same rapidity as those of a person whose understanding has been really destroyed.

I may again mention, that Marc proposes as a test, to repeat to the insane person a series of ideas recently uttered. The pretended madman, instead of wandering incoherently, would judge it most expedient to repeat the same words, for the purpose of proving his madness.

In fact, idiocy has been most successfully imitated. A case is mentioned in the *Cyclopædia*

of Practical Medicine (p. 146,) of a player drafted into the army, who acted the part of an idiot so effectually that he soon obtained his discharge. Almost immediately after this he enlisted into another regiment, and then deserted. In the case of a clever and persevering impostor, it is extremely difficult to detect dementia, "most men having enjoyed opportunities of studying the character, in the instance of the poor idiot still to be met with at large in almost every village."

Marshall is of opinion, that unless in well-marked cases, where the mind is weak on all subjects, and where that weakness is expressed in the countenance, or readily discovered in the conversation, no man ought to be recommended to be discharged for a mental defect.

Hoffbauer remarks, that "*Rarement la faiblesse de l'entendement est simulée : 1°. parce que personne ne veut paraître imbécille ; 2°. parce que tout le monde connaît les suites fâcheuses que l'imbécillité entraîne d'après la loi (l'interdiction ou la reclusion.) Dans le cas où un individu simulerait la faiblesse d'entendement pour éviter une peine, ou pour s'affranchir d'un engagement, on l'en détournerait facilement en lui faisant voir les inconvéniens auxquels il s'expose.*" *

Imbecility, idiocy, and dementia, are confounded by the Germans, under the name *Verstandess-*

* Méd. Lég. p. 84.

~~ch~~ *marc* — (Faiblesse d'entendement of Esquirol.)

For other means of detection, and observations on this subject, see article Mania.

12. EPILEPSY.--This disease is not unfrequently pretended by recruits at secondary examinations, and is often feigned to escape military flogging. There is perhaps no disease that has been more frequently simulated with *success*. Its character and mode of attack offer great facilities for the impostor. It does not require the unusual caution which other maladies exact for successful imitation; nor is it necessary, as Dr. Smith observes, to assume it, but at convenient times — it being perfectly consistent with the nature of the disorder to be quite well in the intervals, which may be longer or shorter at the impostor's pleasure.

Percy and Laurent state, that of every one thousand persons who present themselves for examination, there are generally twenty who assume this affection, so terrible, and so degrading to man, whilst it is notorious that scarcely one out of a thousand in reality has the disease, and that one is commonly a young person or a girl.

Epilepsy appears so rarely for the first time after the age of puberty, that its reality is to be suspected whenever it comes on without obvious cause, in an old soldier.

To prevent being imposed upon by simulators

of this disease, requires in some cases both great attention and much experience ; and this is the more necessary, as there is perhaps no disease that is more *frequently* feigned than epilepsy.

One mode of attempting to deceive is to appear at the inspection-room with a *gospel* suspended round the neck ; which spell or charm is commonly alleged to be worn for the purpose of preventing a paroxysm of the blessed sickness, (epilepsy.) Both young and old soldiers sometimes simulate a paroxysm of this disease, apparently for the purpose of being discharged. It should be mentioned, that some men have qualified themselves for simulating a paroxysm of epilepsy, by the perusal of works descriptive of that disease. This was confessed in the case of one man, who in addition to the usual gestures and contortions of feigned epileptics, excited hæmorrhage from the nose by friction on the ground, discharged his urine, and grasped his thumbs in his hands.

Kirckhoff states, that it would be wise to send men with symptoms simulating epilepsy to an hospital, in order that a paroxysm may be observed and watched.

Our inquiries in cases of this kind ought to embrace the origin and duration of the disease—the symptoms which occur in the intervals between the paroxysms — their frequency, character, and consequences. When the disease can be ascertained to have existed previously to enlist-

ment, the case is settled. We ought to ascertain if the disease arose from horror or apprehension, after the sudden suppression of a discharge or an eruption — if from indigestion or a debauch — or if others of the family have been epileptic. In such cases, the probability will be in favour of a genuine disease. We ought also to ascertain whether previously to fits there are any premonitory symptoms, such as the aura epileptica, vertigo, drowsiness, headach, &c. We ought also to observe the course of the paroxysm — does it begin with a scream? are there involuntary discharges? is the tongue gnawed? Finally, we must observe the subsidence of the attack: — does it end in profound sleep? is it productive of extravasation, petechial spots, lividity of the nails? does it usher in a maniacal attack, or alternate with catalepsy, hysteria, or a sub-epileptic attack?

To the attentive observer, the true epileptic is a man quite different from every other. It is rare to find in him any trace of hilarity, spirit, or vivacity. Nature, or rather the disease, has impressed upon his face a character which seems to be composed of sadness, shame, timidity, and stupidity. It is impossible to describe this appearance of face: it is enough to have well observed the *tout-ensemble* of an epileptic, not to forget it again.

Dumas has recognised the existence of this species of affection, by the muscles of the face

being mobile, and disposed to convulsive movements, by the eyebrows being depressed, the eyelids approximated, the eyes projecting, fixed, bent, and shining, and the balls directed in opposite manners. To this he adds a facial angle always under 80° , receding from that to 70° . Laurent states that this observation, which may by chance be true of one subject, cannot apply to one of fifty of those who are epileptic, whatever be the age at which they were first attacked.

That which is most remarkable in the appearance is the tendency of the superior palpebræ to fall down, and the effort which the epileptic makes to raise them so as to disclose the eye when he speaks to any one, or regards anything ; — the inclination of the head, from the weakness of the muscles (for the most part) which support it ; — the dull colour of the face, on which cicatrices are often found, arising from falls ; — the presence of premature wrinkles, from the sardonic convulsions ; — the great size of the veins, especially the jugular and the temporal, in which the blood has so often stagnated ; to which may be added, the harsh voice, and the enlargement of the alæ of the nose. When the fits have been frequent, the anterior part of the inferior incisions are found obliquely worn down, the pupil dilated, and the conjunctiva blanched and humid. The simulator can imitate none of these appearances.

It may be observed, that real epileptics are

unwilling to speak of their complaint, and if the subject be forced upon them, they are apt to give the symptoms a different name, by which means they attempt to deceive others, and perhaps themselves. The false shame of true epileptics, and the want of shame of feigned ones, has been taken notice of by several writers.

When narrowly watched, I believe it will be found, that the contortions of a simulator resemble grimaces rather than the powerful involuntary contractions which characterise the true disease ; more especially is he unable to distort the muscles of the face like a person suffering under epilepsy.

Moreover, in a feigned paroxysm, the muscular contractions of the different parts of the body do not commonly supervene simultaneously. Thus the superior extremities may be in motion, while the inferior are at rest ; when the hands are forced open, they are quickly clenched again ; whereas, in the real disease, they commonly remain extended, and as inflexible as a piece of board. The nails are livid in real, not so in feigned paroxysms. The impostor frequently here, as in other cases, overacts his part, and by the excess of his contortions throws himself into a profuse perspiration.

During these feigned convulsions, impostors have often suffered the most flagrant liberties to be taken with their persons, without betraying the least consciousness of what was going on,

such as having pins and needles run into different parts of their bodies.

“ This fact in some degree admits of a physiological explanation. Compression on the muscles, by acting on their nervous filaments, or by some unknown influence on the distribution of nervous energy, renders them less sensible in proportion as they become contracted. Wounds are thus often inflicted in the field of battle which are scarcely felt during a desperate conflict, on account of the high muscular energy of the part which is in force at the time. Indeed, it may be satisfactorily shewn, that convulsions, or inordinate muscular contractions, are in themselves instinctive efforts to diminish pain.”

If an impostor is narrowly watched, he will be found to open his eyes occasionally, for the purpose of observing what effect his acting produces upon the bystanders; and he commonly selects a place where he is likely to play off his tricks to the greatest advantage, and with the least inconvenience to himself. He is also not inattentive to the time when a fit may be enacted with due effect, which is in general about the period when a medical officer is likely to be in the way to see him. In the true epilepsy, the patient is almost never warned of the invasion of the attack, and falls down suddenly — (Georget says that ninety-five in a hundred are attacked without any precursory symptom) — while the cheat prepares himself for the fall, so as to do

himself the least harm possible. He avoids every thing which can injure him. As deceptive as may be the symptoms that are brought forward, we seldom hear that the pretender hurts himself in the fall, a thing that very frequently happens in the real epilepsy.

Simulators are unable to produce the red bloated countenance and contorted face which accompany the real disease; though it is true that false epileptics seek to imitate this symptom by applying a small concealed ligature round the neck. It is sufficient to notice this circumstance, easily to discover the fraud; but even then, how can they simulate the paleness which replaces this state?

During a real paroxysm of epilepsy, sensation seems to be totally abolished; hence if any evidence of feeling can be excited by stimulants, it may be inferred that the disease is feigned. The agents commonly employed for this purpose are numerous, but two are chiefly had recourse to, — viz. the access of a strong light to the eye, and the application of the vapour of hartshorn (Orfila mentions (p. 413) sulphurous acid) to the nose. The first of these tests is not satisfactory, for neither in a real nor simulated paroxysm are we commonly able to employ it so as to resolve our doubts, on account of the struggles of the patient; and moreover, the irides of different individuals in health vary much as to mobility, some being much, others little affected by an in-

crease of light. The result of the second is also inconclusive; for individuals are not invariably much affected by inhaling the vapour of hartshorn. Blowing Scotch snuff up the nostrils is said to be an effectual means of rousing suppressed sensations. Common salt, placed in the mouth, has been recommended; the impostor generally shows his sense of taste perfect by endeavouring to spit it out. Hutchison thinks this the simplest and gentlest mode of detection, and one to which there cannot be any possible objection. Marshall has several times succeeded in putting an end to a paroxysm, by applying to the side of the patient the end of a flannel bandage dipped in boiling water.

The actual cautery may be *proposed* in the hearing of, or exhibited to the patient, or even applied to his back; but I doubt much if the pain is greater than in the case of the hot water. On its use Kirckhoff has the following remark: "L'épreuve par l'application de la cire à cacheter brulante, ou d'un fer rougi au feu, pendant le paroxysme, est incertaine: Il y a des individus qui l'endurent sans temoigner la moindre apparence de douleur, et d'ailleurs, il doit repugner aux principes d'un médecin, et de se servir d'un moyen semblable et que l'humanité reprouve."

As to the employment of caustics, I think they ought to be proscribed, because they are inhumane, and have often been unsuccessful.

With regard to pain as a proof, De Haen cites

the case of a woman twenty years of age, who had sustained the proof of fire (and who bore the cicatrices of three considerable burns which a surgeon had made to discover if there was fraud) without wincing; but who afterwards being put in prison for murder, avowed the simulation, and imitated so well a paroxysm in the presence of Van Swieten and De Haen, that they thought the simulated paroxysms were become real. Glowing coals and hot sealing wax put on the hand or forehead of the impostor will draw from him expressions of pain. Individuals have been roused from a feigned paroxysm by dropping into the eye a few drops of alcohol. Dr. Cheyne thinks it is the most powerful stimulus that can be used, and Staff-surgeon Eagle has also successfully tried this antidote; or a minim of the oil of turpentine may be employed. The Indians recommend a little of the expressed juice of a pod of Cayenne pepper to be put into the eye.

Various other remedies may be employed, as unexpectedly firing a musket near the patient, pricking with a sharp-pointed instrument, applying pressure to the præcordia, so as to interrupt respiration. Dr. Marc says he has detected three cases of feigned epilepsy by putting under the nostrils a morsel of assafoetida. This means, which had already been employed by some German physicians, would be of great use in discovering the fraud, if its effects were constant; but

later observations made by Hébréard have not furnished the same results, so that in fact it is necessary to have further experience before placing too much confidence in this proof. What is probably equal to any of these means, is a plenteous cold affusion: this will often, as I have seen, put a stop to the paroxysm. De Haen says he has detected a case by throwing a bucket of water on the head at the commencement of the accession. The authors of the article *Feigned Diseases*, in the Cyclopædia of Practical Medicine, have also seen this treatment frequently succeed; but on this account they do not think themselves warranted in concluding that the disease was feigned, as so powerful a shock is not unlikely to arrest real convulsions. I have seen it, in the Royal Infirmary, Edinburgh (1836), check a real case of epilepsy. Marshall states, that pouring a very small stream of water on the face of a person feigning a convulsive paroxysm, has been successful, not only in cutting short a fit, but in preventing a recurrence of the imposture.

Hutchison relates a case where aloes and salts in solution detected a feigned paroxysm. The authors of the Cyclopædia state, that a naval officer informed them, that a tremendous fit was once put a stop to by an order being given, in the impostor's hearing, to introduce a red-hot ramrod into his anus. Percy and Laurent state, that a villager, whilst simulating, was betrayed by

jumping up and asking pardon, on hearing the surgeon ask for the instruments necessary for castration, and state that he regarded it as an infallibly radical cure for epilepsy.

De Haen detected one case by causing the impostor to be isolated, and watched unknown. Whenever he knew he was observed, he had a fit, but was perfectly well when he thought himself alone. Belloc gives the following case, one in point with regard to the aura epileptica. Sauvages was called to visit a female, who simulated the fit to perfection. Being suspicious, however, he inquired whether, on the access of the disease, she felt pain extending from her arm to her shoulder, and from thence to the opposite thigh. The reply was in the affirmative, and this led to detection. Dunlop mentions a case, where, on remarking that if it was a true case, the patient would turn round and bite the grass, detection followed by his betraying himself by so doing. Dr. Traill relates another similar one. Vaidy, a French surgeon, detected a case by stating to the individual that the real disease always came on in the morning. He swallowed the bait, and the attack always occurred before noon.

A Mr. R. employed seven or eight drops of croton oil, with the effect of causing the man immediately to start up and run to the water closet.

An artilleryman at Martigues had acquired from frequent practice, such skill in feigning this disease, as almost to deceive Foderé, and this would

have been the case, had he been able to resist the application of fire : this always recovered him, though he lay apparently senseless, his eyes starting from their orbits, and his mouth foaming. He afterwards confessed that he never counterfeited a paroxysm without feeling for several days a violent pain in the head.

De Haen states that he has seen the disease feigned with horrible accuracy. He recommends the remedy used in Paris to a mendicant there, who often fell into fits. Being usually laid on a bed of straw through compassion ; when next attacked, the four corners were set on fire, which caused him to spring up and flee.

Mr. Young, surgeon to the 10th, relates a case cured by placing the individual on an elevated barrack table.

The peculiar physiognomy of epileptic patients renders the simulation of this disease generally very difficult. In presence of an experienced physician, the simulator, however great his address, is commonly quickly discovered. Cicatrices on the skin of the face, made with the design of presenting incontestable proofs of anterior falls, never exist without tending to deceive the medical man, as happened in some well sustained cases (mentioned by Coche) in the year 1813.

When to the signs which have been already mentioned, are added those drawn from the state of the pulse, which is small, hard, and slow, in the immense majority of true attacks ; and on the

contrary, always large and hurried in those which are simulated, (this circumstance is explained by the exaggerated movements that the individuals simulating epilepsy make to sustain their game; De Haen says, that above everything we ought to pay attention to the state of the pulse and the eyes); and from the skin, which is hot and covered with sweat after the representation of the false accession; while it is cold, or at least never in a state of visible perspiration, at the end of the true attack; when we compare the abrupt termination of the feigned attack with the succeeding comatose or soporose state that supervenes on the real; and revert to the state of astonishment and lassitude, that it suffices to have once seen, to be convinced of the great difficulty attending its simulation — I think it will rarely happen that we will be deceived. Simulators who are ignorant that an access of epilepsy may take place without foaming at the mouth, artificially excite this symptom, which they consider as necessary to the simulation. The means which they employ to augment the saliva are soap and the root of the *Pyrethra*. The mouth is easily examined by pressing the cheeks against the grinder teeth, and holding the nose.

As this disease is frequently simulated, it will require the most scrupulous attention and investigation, and no man should be brought forward for discharge till the nature of the affection is clearly ascertained.

For the same reason, there is an edict of the Bohemian government in Prague, by which no man can be dismissed the service for this affection before the mustering.

In concluding the remarks on this subject, however, it ought to be strongly impressed on the mind of the young practitioner, that he ought not to be too positive in imagining that he will always be able to decide with certainty whether the ostensible epilepsy be feigned or real; and this is more particularly true with regard to such cases as are mentioned by Metzger, De Haen, and Ballard, in which too frequent simulation produced real disease. One may easily conceive, that it is impossible to discover in such a case the true cause of the malady, if we have no previous information on which to proceed.

It should be recollected, that spasmodic diseases frequently run into each other, and that patients may be admitted into the hospitals under the head of epilepsy, although the external characters of their disease are considerably different from those which commonly distinguish that frightful malady. It would be foreign to this essay to bring forward cases in support of this opinion — but such varieties of the disease are not likely to be feigned.

In all doubtful cases, it is due to the character of a physician, as a man of honour and feeling, and due to the beneficent profession of which he is a member, that he take the side of

mercy ; and if he is ever justified in denouncing a man as an impostor, and thereby consigning him to punishment, he is certainly never justified in being himself the instrument of the punishment. Dr. Cheyne, a man of the greatest experience, and distinguished alike for his candour and accurate observation, agrees with me in this remark. Indeed, he thinks himself in possession of sufficient evidence to prove that real epilepsy has been considered feigned. This is more especially likely to be the case in some of the forms resembling catalepsy, hysteria. He quotes a case related by Mr. Parker, surgeon to the 19th, in favour of this opinion.

When men are discharged on account of epilepsy, cross-cupping on the neck ought to be resorted to, in order to prevent their re-enlistment into the service.

13. PARALYSIS. — This disease is frequently feigned by soldiers, and sometimes with a degree of success which is surprising. It has been simulated in almost all its forms, and that successfully — both Hemiplegia, Paraplegia, and also partial Paralysis.

It may be observed, that unless dependent on some organic lesion, paralytic attacks are little incident to men at that time of life when called upon to serve as soldiers or seamen.

The partial loss of the power of an extremity is sometimes simulated, and the fraud is not

always easy to detect. Detection generally follows when the limb is apparently sound, and neither unusually soft nor materially attenuated. Baron Percy recommends a trial to be made of the actual cautery, in which Laurent and Orfila agree. If the affection be real, this treatment may be advantageous, and although simulators often evince considerable fortitude, they have, for the most part, great reluctance to the application of caloric in this manner. Some of the more ingenious and milder means which are to be related as having already discovered fraud, may, and I think ought, to be previously employed.

Paralysis, when feigned, is generally said to be the consequence of some wound : when it is accompanied with no cicatrix, or trace of considerable contusion, on one of the points mentioned, and when the member appears otherwise as thick and as voluminous as that of the opposite side, which is sound, it may, with considerable certainty, be pronounced a clear case of fraud.

But where any wound has been inflicted, I think it is necessary in such cases to proceed with extreme caution, and not to pronounce rashly, that a wound slight in appearance, yet which had divided the nerve supplying the muscle, may not in reality cause the disease of which the patient complains. Cases of this kind, which were supposed to be feigned, are on record.

Thus Percy and Laurent relate a case where a sword wound, leaving a very slight cicatrix,

had cut the circumflex nerve which supplies the deltoid muscle, and which produced paralysis of that muscle ; and they state that such cases are often met with in the army.

Boyer has seen a similar case from a slight sabre wound of the deltoid ; and other cases are recorded where divisions of the radial and ulnar nerves had produced similar results ; also division of the median in opening an abscess.

Hennen (p. 302) states that paralysis has been mistaken for dislocation of the humerus. The affection supervened on depression of the parietal bone.

Orfila warns us, that since such occurrences as above mentioned take place, we should examine the member attentively, so as to discover if there be any cicatrix on any part of it.

Cases are related where paralysis has been artificially produced for the purpose of evading service : *e. g.* Dic. des Sciences Med., Art. *Simulation*, p. 350, where a young man is mentioned as having divided the supraorbital nerve.

Dr. Cheyne has seen paralysis of one of the arms feigned with great constancy. It ought always to be considered a very suspicious circumstance in a soldier or sailor, if the loss of power is confined to a single limb, as the arm — as such a form of paralysis coming on in adults is extremely rare.

Coche says the simulation is ridiculous ; but experience has proved, that however ridiculous, it

has often been successfully practised. Dr. Cheyne mentions several cases of this kind, in two of which the pretended paralytics evinced ludicrous proofs of their still possessing the power of using their limbs, immediately after they had succeeded in gaining their discharge.

The courage and coolness with which some impostors resolve to bear pain is very remarkable. Thus, Foderé relates the case of a man who feigned paralysis of the lower part of his body (paraplegia), and who supported forthirteen months the application of epispastics, the moxa, cupping, &c., asking earnestly for a trial of new remedies, and exciting the commiseration of all who saw him, till he obtained his dismissal, when he immediately abandoned the use of his crutches.

Orfila relates the case of a man who feigned hemiplegia, and that so successfully as to obtain his exemption from the service ; and Beck (p. 14, new edition) relates an instance of the same disease being so successfully feigned as to deceive a court and jury ; Beaupré likewise states, that a man simulated hemiplegia so perfectly as to deceive by its appearance a very well-informed surgeon

Generally, there exist none of the symptoms which characterise paralysis, except the loss of the power of voluntary motion. Thus the countenance may indicate vigour, health, and intelligence ; the function of the brain may be undisturbed, all the senses entire, and the corre-

sponding limb not affected; sometimes there is œdema of the limb, produced by a ligature round its upper part.

In the treatment of such cases, electricity will succeed more frequently than any other remedy. Dr. Blatchford, in his thesis, relates a case of instantaneous cure by this means; and Dunlop, in his edition of Beck (p. 12,) cites another. This opinion is adopted by Cheyne.

Mr. Scott, surgeon to the 2d Rifle Battalion, successfully treated a feigned case of this kind by low diet, perpetual blisters, and eight hours exercise *per diem*. Malingerers pretending to have lost the use of their limbs, have been detected by putting them, without their knowledge, under the influence of opium, and tickling them when in profound sleep, or by binding the sound arm to the side, and irritating the nostrils during the night with a feather. They have betrayed themselves by using the limb on their first awakening before they recollected themselves. A case is related where a man pretending to have lost the use of the extensor muscles of the right hand, was detected by his gradually raising his arm as far as the extensor muscles could carry it, on the near and nearer approach of a red-hot poker.

On an alarm of fire being given, an individual who pretended paralysis of the lower extremities saved not only himself, but his trunk.

One man was detected by rubbing his feet with cowhage (*Dolichos pruriens*.) He walked

and groaned all night, and next day reported himself fit for duty.

Fielitz cured a case of pretended paralysis and sciatica by the application of a moxa : the man gave a leap and was relieved on the spot. Another case he cured by flagellation. He confesses himself, however, to have been deceived by a Russian hussar, who simulated a paralysis of the right foot *avec tant de science*, that he discharged him, when he got well immediately on returning home.

Sometimes the deceit is detected entirely by accident. Probably the following plan is as good as any, where the paralysis is confined to one of the superior extremities ; — namely, to bind the sound arm to the side, and place the individual in an empty chamber, in which there is a shelf with bread and water on it at such a height that he can only reach them by extending his arm to the full extent. This will be a good means, at any rate, of making the impostor *give in*.

But in a case of paraplegia, an impostor who could easily have reached his food by standing on his legs, was found not to have touched it at the end of forty-eight hours.

Marshall relates a case, where a man simulating paralysis of the arm allowed the amputating knife to be placed beneath it, and would have submitted to the operation. He was detected by being thrown into a river (being a good swimmer), where he was obliged to strike out with both arms to save his life.

Hennen knows of a case where an individual allowed himself to be all but drowned in a deep lake before he stretched out his paralytic arm to save himself by swimming—an exercise in which he was known to excel.

Marshall very cleverly detected a pretended case of paralysis of the right leg, by desiring the individual to stand upon his left foot, and push forward his right leg. This, he asserted, was beyond his power. He was then desired to stand upon the right, and push out the left, a motion which he performed instantly. He did not recollect that the force exerted by this experiment was chiefly by the quiescent extremity.

Paralysis of the superior palpebræ has been sometimes feigned; but may at all times be easily detected through the ignorance of the impostor in attempting to prevent the raising of the eyelids.

Paralysis of the superior palpebræ may depend upon an affection of the nerves supplying this muscle; and some cases are cited, where voluntary section of the external branch of the ophthalmic is said to have produced this result.

Mr. Judas doubts this, as the superior palpebra receives a branch from the *nerf oculo musculaire*, common in the cavity of the orbit.

14. CHRONIC RHEUMATISM.—Under the evasive term, Chronic Rheumatism, numerous instances of fraud are constantly occurring, and

often successfully as to the result desired by the impostor.

Dr. Cheyne says, that this is the disease most generally feigned by soldiers, and that it is of all affections the most difficult of detection. Coche, again, considers the diagnosis as very easy ; but the fact of his not being able to make a simulator give in for upwards of ten months, would make me rather incline to agree with Dr. Cheyne than with him. The circular of the Army Medical Department, 22d January 1830, states that these affections are a fertile source of fraud ; and so long as men are discharged in consequence of rheumatism, instances of imposition will frequently occur.

As in cases of simple pain, it is often difficult to discriminate these fictitious cases of rheumatism from the real disease, owing to the difficulty of proving the non-existence of pain, and the fact that a considerable degree of it may be present without any well marked change in the external appearance.

Rheumatism is very frequently counterfeited by recruits to accomplish their rejection ; and by soldiers, more especially by those who have been twenty-one years in the service, and who are entitled to a pension when discharged. These men commonly think that nothing more is required to gain their object than to affirm that they have pain in some part of the body, to put on the aspect of suffering, and affect decrepitude or loss

of power in the limbs or joints. The back, loins, and hips, are the parts usually selected, — the knee, ankles, and superior extremities, less frequently. They generally seem to consider the constant use of a crutch, or a stick, and a ready submission to such remedies as blisters, issues, &c., as affording irresistible proof of the reality of the affection. Recruiting depôts and general hospitals furnish numerous examples of this kind; and the best directed management frequently fails to make them return to their duty as good soldiers.

Chronic rheumatism is distinguished by some disorder of the digestive organs, impaired appetite, white tongue, a look of delicacy, a degree of pyrexia in the evening, succeeded in the latter part of the night, or early in the morning, by perspirations, some emaciation, wasting of the muscles of the affected limb, fulness of the veins, and puffy enlargement of the affected joint. There is in general an increase of temperature of the affected part.

These symptoms often occur after exposure to cold, after fever, acute rheumatism, or the use of mercury. They are much influenced by the state of the weather, and they yield, at least in part, to proper treatment.

Whereas those who feign this disease usually retain their appetite and looks; they have no diurnal return of fever, and have no inflammatory symptoms, such as vascular turgescence,

swelling, or increased temperature. They give a glowing account of their sufferings, alleging that they have entirely lost the use of the part affected, which seldom happens in genuine rheumatism. There is for the most part no adequate cause assigned for the complaint ; no relief from remedial treatment is acknowledged ; and while, as Dr. Hennen observes, real rheumatic affections are aggravated by damp weather, the impostor complains equally at all times.

But notwithstanding these apparently distinguishing marks between real and simulated rheumatism, the most attentive and eminent medical officers have been deceived in their diagnosis ; *e. g.* the case of a negro soldier, who, four days after being discharged in consequence of disability, the result of the disease, pursued the avocation of a lamp-lighter.

The imposition is perhaps more frequently discovered by the inconsistencies and contradictions of the patient in the history of his complaint, than by diagnostic symptoms. Sometimes, however, the impostor is discovered playing at different games, or amusing himself by exercises which his sufferings, if they were real, would not admit of.

Accident has in this, like many other feigned diseases, led to detection, when every other means had been abandoned ; as in the case of a man jumping over a rope, when he pretended that a pain in his side was so severe as to cause great uneasiness on motion.

No man should be pronounced, or presumed to be, an impostor, until careful examination and observation have given an assurance of the true state of the disability. Mr. Marshall relates a most instructive case of this kind. A disease, in this instance, was feigned and detected; rheumatism supervened in reality; but being disbelieved, led by the effects of inflammation to ankylosis of the joint.

The treatment applicable to chronic rheumatism will, if persevered in, sometimes remove the simulated disease; — local bleeding by cupping, blistering, issues, tartar emetic ointment, low diet, purgatives, emetics in the evening, antimonial diaphoretics, and *electricity*. These will sometimes fail, and it will be necessary to report the case to the commanding officer, whose treatment will sometimes effect a cure, when that of the surgeon has been unsuccessful. Mr. White, surgeon to the 84th, relates a case of this kind.

There is one gratifying circumstance attending the management of cases of alleged rheumatism, viz. that military exercise seldom aggravates this complaint, and sometimes contributes to remove it.

If there is not an evident wasting of the limb said to be affected, I should not conceive it a sufficient cause for excusing from duty, or invaliding any class of military men.

No man should be discharged until he has undergone a series of local applications, which

will indelibly mark him as an unfit person to be again taken unto the service.

The *acute* form of the disease will seldom be simulated, at least never so as to deceive the attentive medical practitioner. Sir George Ballingal says it cannot be easily simulated.

15. CHRONIC HEPATITIS.—Affections of the liver are very frequently said to exist where they do not; and as the real disease is often not characterised by well-marked symptoms, the fraud is difficult of detection.

Persons who simulate infirmities of this class often eventually succeed in their object of dismissal from the service, chiefly from the mistakes of the surgeon. Such subjects, Dr. Cheyne says, have often come under his care, with their flesh and strength reduced by repeated courses of mercury, their gums absorbed, and their teeth shaking in their sockets, whose livers were sound (probably they never were otherwise), but whose broken health required that they should be invalided without delay.

It is not an uncommon practice with officers in the navy on foreign stations, who are desirous of returning to England, to feign some disease, in order to be invalided to a more temperate climate. In the West Indies, in particular, this practice was formerly of frequent occurrence; and it is a curious fact, that the disease most frequently assumed, and most successfully, was

the one now under consideration, and which is by no means very common among sailors in that country.

The causes why they prefer assuming hepatitis are, no doubt, the supposed facility of imposing the belief of its existence on a superficial observer, and the generally received opinion of the tendency of all tropical climates to generate it.

Sometimes the disease is merely simulated — at other times, their sufferings from a disease with which they are really afflicted are exaggerated. If any doubt of the reality of the affection exist, the person should be undressed and carefully examined by percussion and the stethoscope. The absence of enlargement in the region of the liver, the complexion and appearance of the surface and limbs, and the state of the pulse and respiration, are the circumstances which should chiefly be considered. It ought not, however, to be overlooked, that most serious disease of the liver may exist without enlargement; and this viscus may be considerably enlarged, and even rise up into the right thorax, without being felt below the ribs. Hence the propriety of having recourse to percussion and auscultation in the investigation, especially when other proofs of disease are wanting.

A majority of Europeans who have spent ten or twelve years in India labour under this disease, which is aggravated by atmospheric changes, and

then they are generally candidates for the hospital; their names are never long absent from the sick list — in which case, they ought to be reported unfit for service. On the other hand, when men who have not been in warm climates obstinately complain of pain in the right hypochondrium, and when we cannot discover any enlargement or fulness of the liver — when the pulse and breathing are undisturbed, the secretions and excretions natural — and when the alleged pain resists topical bleeding, blistering, and mercurial purgatives, the sooner they are sent to their duty the better.

The diagnosis should chiefly depend upon the general indications of health or disease. Men who have been long in the East or West Indies can commonly enumerate the local symptoms of an affection of the liver with considerable accuracy; some on account of having suffered from the disease, and others from having heard their comrades describe it. Unless, however, the uneasy sensations of the right side, which is the common complaint, be corroborated by well marked *general symptoms* of impaired health, it can scarcely be inferred that the liver is much diseased, or that the man should be recommended to be discharged.

Marshall has seen a great number of persons who had lain for months in bed on account of alleged liver disease, but whose healthy countenances and plump frames proved conclusively that the functions of the liver were not greatly impaired.

He also mentions the case of an officer who deceived the London Board, and who could at pleasure expel the contents of his stomach, and assume a fulness in the right hypochondrium.

Where testimony is doubtful, and physical evidence not satisfactory, a medical officer cannot use too much care to ascertain the real state of the patient; and until he has completely made up his mind upon the case, very simple remedies should be employed: a malingerer should never be put under a course of mercury.

16. INTERMITTENT FEVER.—To evade duty, or to obtain removal to a more desirable climate, this disease is occasionally pretended; and the fraud is not always confined to the non-commissioned officers and soldiers of a corps.

In the history and symptoms of an intermittent, some old soldiers are profoundly versed, skilfully imitating its rigors, but in general over-acting their parts—increasing their efforts to deceive, as the suspicions of the surgeon seem to be awakened.

The impostors commonly state that the paroxysm supervenes during the night, and the symptoms intermit as the morning approaches. Now this variety of fever rarely comes on after eight o'clock P. M.

One measure, which has been found remarkably successful, is the medical officer, in all suspicious cases, desiring that on the approach of a

paroxysm he should be called, at whatever hour of the night that may happen.

When a paroxysm of intermittent fever is simulated, it will be found in most cases, as in Dr. Cheyne's, on throwing down the blankets, that the patient is sweating from the exertion he has been making to simulate the rigor.

I remember a case coming under my charge in the Royal Infirmary of Edinburgh, where an old sailor simulated a rigor of this kind *à merveille*.

17. CONTINUED FEVER. — This disease is frequently feigned, and also in some degree artificially produced.

Foderé knows, by his own observations, that some persons are well aware of a secret mode of simulating fever, provided always, that they are aware of the hour at which the physician will visit them. He has often seen simulators produce an extraordinary frequency of pulse, accompanied with chattering of the jaws, and profound sighs.

The febrile paroxysm, consequent on intoxication, has sometimes been the means of cloaking the offence, and of screening the offender from punishment, while it has subsequently become the source of much mirth at the expense of the surgeon who has been deceived by it. Indeed Hennen (p. 454) states, that profligates have, to his own certain knowledge, boasted that they

had received indulgences from medical officers in consequence of a supposed febrile attack, by presenting themselves after a night's debauch, which they had purposely protracted to aid the deception.

Of all feigned, or excited yet simulated cases of fever, it may be remarked, that they are ephemeral; and it is only an ephemeral fever that can be feigned with any prospect of success. Hence a day or two's examination develops the deceit, as a frequent repetition of the means employed is too hazardous, and real disease might then be the consequence.

Fever, or rather febrile symptoms, may be induced by the use of various stimulants—as wine, brandy, cantharides, &c. Tobacco, whether taken internally, or introduced into the anus, quickens the pulse and produces an appearance of general indisposition. Hutchison has found, by this drug (in a simulated case), the pulse small and rapid, accompanied by considerable emesis.

Foderé states that he has observed a feverish state of the system induced by violent exercise, which the authors of the *Cyclopædia* have also seen used for the purpose of carrying on this fraud. A paroxysm of fever is said to be excited by the introduction of a clove of garlic into the rectum; and Zacchias says that the seed of henbane, when drank, excites fever, “but it also excites the mind, and renders men phrenzied.”

Acrid kinds of food, and drugged spirits of wine, also produce this effect.

In the section on Disordered Circulation, various means have been noticed for disordering the circulation, or the action of the heart and arteries, most of which are equally applicable to the production of the disease under consideration.

The tongue, in order to imitate the appearance it presents in fever, has been covered with chalk, pipe-clay, tobacco, brick-dust, soap, flour, whiting from the walls, &c. The apparent bilious tinge of a coated tongue may be caused by chewing a little gingerbread.

It is always easy to detect this circumstance, by causing the patient to wash his mouth well with tepid water.

Emetics have been taken with the view of bringing on general indisposition, and of giving to the face a sickly aspect.

The paleness and cadaverous aspect incidental to some stages of fever, and to protracted disease in general, has been induced by smoking, or drinking an infusion of cummin seeds.

The face has been exposed to the fumes of sulphur for a similar purpose; and Plenck states that paleness of the face is induced by the smoke of the Cyprian powder, with a small portion of tutty and carbon mixed with it.

Scrubbing the skin with a hard brush gives a flush difficult to distinguish from the colour

caused by fever, and it is only detected by waiting patiently by the bed-side till it subsides.

The effect of all these substances, however, is temporary, and will of course cease when the cause is withdrawn. Therefore the suspected individual should in all cases be watched, and prevented from using the means again.

Dr. Hennen's remarks on this point are deserving of particular attention. "Neither," says he, "the quickness of the pulse nor the heat of the skin are infallible indications of fever, and therefore it is that the state of the tongue, stomach, and stools, should be particularly attended to."

18. **SYNCOPE.** — A most disagreeable part of the duty of the medical officer is to attend at the corporal punishment of soldiers and sailors. On these occasions, it is not rare for the individual to feign fainting, in the hope of having his punishment remitted, and the medical officer is sometimes called upon to decide on the nature of the case. Except in the extremely rare cases of those persons who have a voluntary power over the action of the heart, there can seldom be any difficulty in discriminating the fictitious from the real syncope.

Feigned syncope cannot resist the application of strong sternutatories to the nostrils. Indeed it is difficult to dissemble a small, feeble, and languishing pulse, an almost suppressed respira-

tion, cold sweats, coldness of the extremities, and great paleness of the countenance ; and without these, the seeming exhaustion, or alleged loss of muscular power, will not impose on any person of experience. The state of the countenance alone suffices to indicate the real disease in almost every case.

If ligatures are supposed to be used to prevent the pulse being felt, the body should be examined naked ; so also, if lotions have been applied to the face to give it a pale colour, let it be washed. The causes assigned for producing the disease, and the rapidity with which the symptoms have presented themselves, should also be noticed.

It is hardly necessary to state, that the surgeon must, in all cases where the slightest doubt exists, take the side of mercy.

19. PALPITATIO.—This disease has been frequently excited, as well in our own as in the French service. Both internal and external means have been employed to excite this affection. By means of ligatures bound tight round the neck and upper part of the arms, the circulation has been greatly disturbed, and the intention of simulators nearly effected.

Dr. Hennen relates a most interesting case of violent palpitation of the heart, which was produced by the man's own efforts. Dr. Hennen found that he could at any time render the affection very imperfect by throwing the patient's

head back, so as to destroy that voluntary combination of muscular action which he believes to have produced the palpitation. "We must suppose," says he, "that this person had the power of throwing the muscles which narrow the chest into sudden and strong action, at the moment when the apex of the heart made its stroke upwards." Marshall believes that palpitation is sometimes produced by the immoderate use of tobacco, without any intention of thereby exciting the disease; but there is too much reason for suspecting that this substance is occasionally employed for the specific purpose of simulating an affection of the heart. It may be added, that simple palpitation may be excited in some individuals by the irritation which garlic, tobacco, and other similar substances, produce when placed in the rectum. It may be useful to mention, that a temporary functional derangement of the heart, and consequent palpitation, is not an unfrequent affection among soldiers, more particularly young recruits, before they are dismissed from drill, — especially for some time previous to an inspection, when the men are kept long under drill.

The gross resources mentioned above ought seldom or never to impose upon the physician. The appearance of the experimenter, and the temporary fever which is present, are properly, to the attentive observer, the clearest means of putting him in the way of truth.

But we must also have regard to the ma-

nœuvres of some men, more adroit or better informed, who pass the entire night sitting up, drinking a strong infusion of tea, especially before they are to be examined. Such individuals, however little nervous in their temperament, never fail to offer at the visit a pale countenance, with much palpitation, "but not of a tumultuous or convulsive character," with apparent difficulty of breathing, &c. These are the symptoms really susceptible of provocation, against which we ought to be continually on our guard, for they have sometimes imposed even upon medical men.

To ascertain thoroughly the state of individuals who have palpitation, they must for some time be left to repose; and time must be afforded them to be quite calm before proceeding with the examination. A long-continued probation is necessary before a man be recommended to be discharged on account of an obscure affection, and particularly of this class of diseases.

The signs obtained by the sight (visible impulse, &c.) the touch, the percussion, and the immediate application of the ear to the chest of the patient, may be useful; but above all, the stethoscope will enable us to distinguish all the varieties of the movements of the heart, the extent and intensity of the impulse, whether in a state of health or disease, and will in most cases enable us to arrive at a conclusion pretty near the truth. It is to such a disease as this, I think, that the remark of the Medical Board applies most

strongly, viz. "that we must not mistake sympathetic for idiopathic symptoms."

20. ANEURISM OF THE HEART and PERICARDITIS. — I originally intended separating these two articles, but as in the immense majority of cases (proved by the extensive pathological observations lately made on this subject) pericarditis precedes hypertrophy, as well as most other of the diseases of this organ, I am induced to place them both under the same head.

The number of young men exempted from military service on account of feigned hypertrophy, is greater than would be suspected. Aneurism of the heart, simulated in some particulars of its general symptoms, is no longer rare.

It would appear from the testimony of several authors on the complaints of soldiers and seamen, that these persons are in possession of powerful means of deranging the function of the heart, and even producing disease of that organ.

I have little doubt that much of the difficulty in the diagnosis of many of these cases arises from the affection being in some measure induced by the means used to excite it. At first, more or less pericarditis, and perhaps afterwards, really hypertrophy, or dilatation of the heart.

The means employed are various : sometimes ligatures are placed tightly round the inferior part of the neck, and also round the upper part of each arm. Simulators, in whom the pucker-

ing of the skin concealed the ligature, have nearly succeeded by this means. In such cases, the countenance becomes purple, the eyes injected, the lips inflated, &c. I do not think that the attentive practitioner should ever be deceived by such means.

Violent exercise, and severe knocks against the parietes of the chest, over the præcordial region, have been employed to simulate the disease. Coche relates two such cases; but I am inclined to think, that in them pericarditis was brought on by the violence employed.

Palpitation of the heart became epidemic among the men of the Marine Artillery in 1821 or 1822; and if proper information is obtained, it was also prevalent in a regiment of the line about the same time, whereby a number of men were invalidated. Dr. Quarrier, surgeon to the Marine Artillery, informed Mr. Marshall, that when the affection appeared in this corps, it was for a considerable time attributed to hard drill at the great guns, and subsequent exposure to cold. From the disease spreading to some of the marines in the same hospital (Haslam), suspicions were entertained that the disease was artificially excited, and many unsuccessful attempts were made to ascertain the nature of the means employed. The secret was at last obtained by confession, and the drug employed was found to be the white hellebore: the ordinary dose was about ten or twelve grains, or as much as could be raised upon a

sixpence, which was repeated, so as to occasion general indisposition, and an undue action of the heart.

One man died from the poisonous influence of the hellebore. The practice was introduced by a man who had been servant to a veterinary surgeon, and by him employed to compound the medicines: the charge per dose was 3d. or 4d.; for the secret, 3s. 6d. The epidemic ceased soon after the means by which it was produced were discovered; but that was not till many men had been discharged, who were afterwards found efficient soldiers in other corps.

The men at Fort Pitt, where the disease was epidemic for some time, and where it was introduced by one of the Marine Artillery, used to make their wives purchase the drug, generally in the quantity of from $\bar{3}i.$ to $\bar{3}ij.$ And it seemed that $\bar{3}i.$ was the usual quantity administered, to produce decisive and immediate symptoms. This excites vomiting, purging, syncope, tremors, and great nervous irritability, and is succeeded by great arterial action and violent cardiac agitation, leaving a great degree of debility, and sometimes a disposition to paralysis. For the more slow and progressive mode of deception, a very small quantity (from four to ten grains) is used in beer, day after day, until the stomach is thrown into a state of derangement, and much nervous irritability is produced.

In many cases, I have no doubt that the dis-

ease may be ultimately really produced by such means.

A knowledge of the symptoms which this drug occasions will be of much use to the practitioner in discovering cases of cardiac agitation produced by such means.

Many of the symptoms are well described by Dr. Quarrier in Hutchison's work.

The patient complains of nausea, succeeded by incessant and violent vomiting and purging, extreme pain at the pit of the stomach, severe headache, excessive weakness and inability to move, frequent tremors, coldness, terror, and anxiety; the features become pale and shrunk, the eyes sunk, the tongue tremulous, the skin covered with a cold clammy perspiration; there is scarcely any pulsation at the wrist, the circulation is extremely irregular and disturbed, the patient often moans and groans immoderately, until overcome by repeated fits of syncope.

After a time, reaction commences, when these symptoms are followed by violent throbbing of the temporal arteries, excessively strong palpitation, great epigastric pulsation, heat, thirst, *rawness of the fauces, and some enlargement of the tongue*, which is loaded and tremulous; the eyes are fiery, and the face flushed. On applying the ear to the chest, there is heard a distinct rushing sound, as if the valves of the larger vessels were broken down, and produced regurgitation. The recovery is generally slow and progressive, leav-

ing much debility, nervous agitation, and palpitations. In almost all the cases of poisoning by this drug which I have found related, I have observed, that besides the usual symptoms of narcotism, there is a peculiar expression of the countenance, in which is depicted horror, tremor, and distress, as well as rawness of the fauces, and some enlargement of the tongue. This fact will afford strong corroborative evidence in suspicious cases.

In November 1823, there were three suspicious cases of this affection in Fort Pitt hospital, belonging to the 13th regiment. They were stripped naked, and removed to a ward where they were carefully secluded from external communication; after a lapse of a period of about six or seven days, they applied to be permitted to return to their duty, and upon investigation all undue action of the heart had ceased. Such means would I recommend for the detection and cure of similar cases in future. Where external violence was suspected of being employed, redness of the præcordial region ought to be considered a very suspicious appearance.

21. EXCITED CIRCULATION. — The action of the heart and arteries is often fraudulently excited or depressed. Cheyne is convinced that many soldiers have a power of quickening their pulse, and giving violence to the heart's pulsation, and is persuaded that soldiers have some other means

than hellebore to produce this effect, as, at the visit, he has frequently found it 120 or 130, and in a quarter of an hour after, coming unawares, he has found it 30 or 40 beats lower.

Probably some have a voluntary power of increasing the pulsations of the heart. Copland says that some persons acquire this power; — at any rate, they must use more manageable narcotics than hellebore.

Hennen mentions that various stimulants are employed for the purpose of exciting the action of the heart.

Seamen are said to produce such a temporary quickness of the pulse by striking the elbow forcibly against a beam of wood; and this state they quaintly term the elbow-fever.

It would be needless to mention the various stimulants that may be employed for this purpose. Isolation will detect the use of drugs — and examining the pulse during sleep, the use of temporary measures.

22. DIMINISHED CIRCULATION. — It is by no means an unusual thing for the action of the heart to be artificially depressed. Tobacco has been used for this purpose. Tartrate of antimony has also been employed; and it is well known that digitalis, when taken internally, causes this effect. Indeed all old medical officers in the army and navy know that these means are familiar to the skulkers and malingerers of both services.

The pulse is sometimes found extremely weak; and it is not unusual for it to cease in the radial artery, on taking a full inspiration, and continuing to retain the breath as long as possible. The learned and ingenious Dr. Parry, in his Elements of Pathology, states that the pulse in these arteries has been suspended for several days.

Occasionally this effect is produced by the application of tight ligatures; sometimes by pressing the finger on the arteries under the armpit.

Beck knows a case where an individual, by calling into action the muscles of his thorax and arm, could stop the pulse at the wrist. Deceit of this kind would be detected by feeling the arm above the elbow.

Whenever deceit is suspected, the pulse should be felt at the temporal or carotid arteries, under the pretext of saving the patient the trouble of taking his arm from under the bed-clothes.

Isolation where drugs are employed, and proper precautions in the other cases, will generally be sufficient to detect the deceit.

28. OPHTHALMIA. — *Ophthalmia Tarsi*. — Any irritating substance can bring on, by its immediate application, inflammation of the free margin of the palpebræ, and determine ulceration.

Closure of the eyelids is the result; but the inflammation thus excited is extended to the

mucous membrane of the eye, and the provocator often pays for his imprudence.

The hairs of the ciliæ are sometimes extracted, and caustic applied to the place whence they were withdrawn.

It is difficult to recognise fraud when carried to this extent. Still it is necessary for the proof of the affection, that the disease be of a chronic character, that the skin of the palpebræ should have preserved its colour and its wrinkles; and that they, especially the inferior one, should be in a state of relaxation. One should also take into account the appearance of the wrinkles like the goose's web at the corners of the eyes, produced by the constant winking of the eyes.

For the irritating substances employed, see next article.

Ophthalmia Membranarum, Conjunctivitis.—

A great number of men used to be discharged every year from the army on account of loss of sight. During the year 1818, 477 were discharged and pensioned in consequence of impaired vision. There can be little doubt that a considerable number of the disabilities for which these men received pensions were factitious.

For a considerable period, partial or total loss of vision was in an especial manner considered to confer a claim to a large pension for life. The bounty of government seems, however, to have operated as a premium to fraud, and an encouragement to self-mutilation.

To check this disgraceful practice among soldiers, several very judicious regulations have lately been issued by the secretary at war.

According to the 15th article of the Pensioning Regulations, no soldier is to be discharged on account of impaired vision, provided the sense of sight is perfect in one eye.

This rule will have an excellent effect in discouraging the practice of mutilating the organs of vision; for many a man might destroy one eye, who would hesitate to render himself totally blind.

It is proper to observe, that previously to the year 1828, it was customary to discharge a soldier when he became blind of one eye, and to award him a pension of ninepence per diem, without reference to length of service. The 19th article of the Pensioning Regulations, if it be strictly and judiciously observed, is also eminently calculated to check the practice of voluntary mutilation:—

“Whenever a case of total or partial blindness shall be involved in so much doubt as to have been reported to a court-martial by a medical officer to be a suspicious case, the commissioners shall deal with it as to them may seem most just. But in every case in which it is proved that a soldier has tampered with his eyes, or that his loss of sight has been caused by vice, intemperance, or other misconduct, and that his character is bad, instead of being discharged on a pension,

he shall be detained in an eye infirmary, or shall be sent home to his parish, or dismissed without a pension."

Factitious inflammation of the eyes was at one time carried to a great extent in the British army. In the "Evidence before the House of Commons," it was proved that a large proportion of several hundred cases of ophthalmia were produced by gonorrhæal matter. On such a subject as this, we cannot often expect to receive demonstrative evidence; the utmost at which we can commonly arrive is a strong presumption only that artificial means have been used.

Ophthalmia was very frequently feigned by the French conscripts. During the late war, no fewer than 12 per cent. of the inefficient conscripts belonging to the department of the Seine, during a period of ten years, were rejected on account of impaired vision, and diseases of the eyes.

During the first ten or fifteen years of the present century, inflammation of the eyes prevailed to a great extent in some regiments of the British army.

Sir George Ballingall states, that in the year 1809, 300 men, of two regiments on duty at Chelmsford, became affected with ophthalmia.

As soon as a regiment is ordered to the West Indies, or any other not very popular station, disease of the eyes very frequently appears among the men, and continues till the corps is embarked.

It is extremely seldom, however, that a case

occurs where the evidence is sufficiently strong to warrant a court-martial in convicting a man.

Inflammation of the eyes may be excited, but is never simulated. The means employed for this end either produce no effect, or they lead to the reality of the disease. For the production of this result, it is necessary that they be continued a sufficiently long time, in which case the experimenter stands the chance of losing his sight.

The means employed are gonorrhæal matter, various acrid and corrosive substances, as the corrosive sublimate, lime, pepper, snuff, tobacco and its juice, salt, alum, &c. Sometimes the disease is brought on by the exposure of the eye (especially the right) to a concentrated blast of air such as that which passes through a hole in a shutter, or any other perforated body. Sulphate of copper has been used, as also nitrate of silver, and cantharides ointment; woollen cloth, and a portion of black muslin have been spread over the cornea. Urine has also been employed; and mechanical irritation by hard bodies, and extraction of the ciliæ, have been resorted to. The means of detection consist in the morbid appearances presented, and the accessory circumstances to be mentioned.

In order the better to point out the difference between the real and the excited ophthalmia, the following circumstances may be contrasted.

The factitious affection is almost entirely confined to the privates and non-commissioned officers,

while the real disease equally attacks women and children, being also frequently communicated to the officers, both military and medical.

The counterfeit affection is not arrested by even the most vigorous preventive measures, while the real is often speedily arrested by isolation immediately on the appearance of the disease, with the other measures to counteract infection.

The counterfeit disease is for the most part confined to one eye, and that the right ; while in the real, Dr. Vetch has only seen six cases out of a thousand where both eyes were not affected.

Dr. Hennen (p. 465) remarks that a left-handed man would probably inflict the injury on the left eye ; and that when we find in any suspected corps the right eye universally affected, there is reasonable ground for supposing that some deleterious substance has been put into the eye.

This explanation of Dr. Hennen's I am inclined to doubt being the true one ; as blindness of the right eye is of more consequence than the left, from its being the eye with which the soldier takes aim.

The counterfeit disease is sudden in its progress, generally commencing and arriving at its acmé during one night ; while the infectious disease advances by a gradual and uniform progress after its first commencement.

In the counterfeit, the swelling is chiefly in the conjunctivæ, and not accompanied with any swelling of the palpebræ ; while the tumefac-

tion of the palpebræ, and great purulent discharge, are peculiarly characteristic of the true disease.

The artificial ophthalmia generally ceases when the vision of the eye is rendered imperfect; while the infectious disease continues to harass the patient for months after the destruction of the eye, and the purulency and tendency to relapse often remain for years.

As the counterfeit disease is confined to one eye, so is the loss of sight; while in the true, the loss of sight most frequently affects both eyes.

There is seldom much organic alteration resulting from the counterfeit; while in the real, the organ is generally completely deformed from one cause or another.

Hennen states, that in some cases a surgeon was led to suspect and afterwards to detect imposition, from the depth and defined edges of the ulceration. It is remarkable that the leeches which were applied in these cases died almost immediately, giving reasonable ground for the supposition that they were poisoned by mercurial solution.

Mr. Marshall mentions two cases where detection was complete: in the one, arising from the discharge of a whitish fluid from the eyes, with the discovery of a small packet of lime and common salt in the bed of the simulator; in the other, from the man being observed in the act of applying sulphate of copper. He also states that he knows of numerous instances where presump-

tive evidence was very strong; especially where, on suddenly removing those affected in the middle of the night, and on examining their beds, the substances before mentioned were found.

Sir George Ballingall mentions, that of those simulating ophthalmia at Chelmsford, two hundred and fifty were rapidly cured by this means.

Where perfect seclusion cannot be obtained, as in the navy, a strait waistcoat has been used to prevent the patient tampering with his eyes.

It is in general easy for a medical officer to decide, in a chronic case of this affection, whether a soldier has so far lost the power of vision as to be rendered unfit for the service. But it is often extremely difficult for him to decide in regard to the cause of a disability of the eyes; in other words, whether the loss of sight is a consequence of *artificially* excited inflammation; the sources of deception being so manifold. Much difficulty has been found from the men, before examination, introducing a quantity of common salt, or some other irritating substance, into their eyes.

To prevent being duped by these means, it is frequently necessary to examine the men more than once, and at periods when they have not had time to prepare for inspection.

With the view of preventing the patients having access to their eyes, head-pieces of tin-plate, so constructed that when put on they could be secured by means of a lock and key, were very

successfully employed. Marshall thinks that this head-piece is obviously much less objectionable and more effectual than the sealed bandages recommended by Isfordink.

23. *ULCERS*. — This affection is frequently excited by *recruits*, and sometimes by *old soldiers*. Perhaps no disability which a recruit can simulate is more likely to lead to his discharge than a large ulcer; and unlike most other defects, its artificial excitement gives him more chance of effecting his purpose than its spontaneous supervention. Ulcers are generally excited after the individual has been intermediately approved. He is consequently sent to hospital, and there cured; on his recovery he is examined by a board, and rejected, perhaps not so much for the large or adherent cicatrix, as for his being a schemer, and able to incapacitate himself in a few hours, whenever he may please.

There is no species of disability or imposture more practised by *seamen* in order to obtain their admission into naval hospitals, and eventually to evade the service, than that of making ulcers on the legs, and keeping open such as already exist.

The agents commonly employed are corrosives or irritants, such as nitric acid, acetate of copper, quicklime, spirits, lime and soap, bruised garlic, vinegar, the ashes of tobacco; also vesicants, compression, friction, puncture, excision, the juice of the milk thistle, sea lettuce (*Tithymallus*, *Lac-*

tuca marina), the ranunculus acris or flammula, (generally the root is employed), the bark of the spurge laurel, and the juice of the euphorbium (the last substance is the agent generally employed in India), arsenic, corrosive sublimate, the skin of salted herrings, the white vine, the clematis, the bark of the garou, the thapsus, the powder of the yew tree, chewed tobacco, and urine; the flame of burning bodies has been employed, as also caustics. Some excite ulcers by mechanical means, particularly by abrasion: this is effected by rubbing the skin of the leg over the shin-bone with a small quantity of sand interposed between the thumb and the leg, the sand being allowed to remain on the irritated surface. Should the inflammation thus excited not be deemed sufficient, the operation is repeated. Ulcers of a very untractable nature are rapidly excited upon old cicatrices by this means. This, the *fox-hunting* practice, was used to a prodigious extent in the convict ulks at Sheerness, and was only cured by flogging. Ulcers are also sometimes occasioned by means of hard bodies strongly pressed upon the leg. They are commonly excited by the use of a copper coin bound firmly down: halfpence, and also buttons, have been detected in these ulcers. Soldiers and sailors imagine that the metal being in contact with wounds or ulcers, has a specific and deleterious effect; while the pressure used is the sole cause of the inflammation and irritation which is produced upon and around the sore.

Of all the substances resorted to for the formation or aggravation of ulcers, the use of acids is by far the most difficult to detect; for the impostor is often so alert, that he removes the surgeon's dressings during a certain period, and occasions the acid to act upon the parts in dressings of his own, substituted in their stead; after the desired effect is produced, the ulcer is well washed, and the former dressings and bandages reapplied with a care and cunning which renders a discovery very difficult.

These factitious ulcers are either formed entirely by art, or what is the more common case, perhaps artificially aggravated from slight sores occurring naturally, or from slight accidents.

The most common situation of these artificial ulcers, indeed almost the exclusive site, is the leg—a place no doubt partly selected because their existence in that position effectually incapacitates the patient for military duty.

Ulcers are sometimes pretended only. The simulation is effected by glueing a portion of a spleen, or the skin of a frog, upon a part of the body. The surface is kept moist by the agency of a small sponge imbued with blood and water, which is placed under the dressing. Such an imposition may succeed with mendicants, but ought never to do so with sailors or soldiers.

Artificial ulcers may sometimes be detected by strictly examining the surface of the ulcer and the old dressings. Mr. Cockburn, agent for the

sick and wounded of this station, has seen the impression of the naval button upon the sores in several cases.

An experienced eye will readily distinguish between an ulcer of recent formation said to be old, and one really old ; but it is not so easy to discriminate one of long standing, kept up by repeated slight irritation, from a natural ulcer.

Artificial ulcers have in general a more distinct margin than those which are said to occur spontaneously, and may be considered indicative of a decayed constitution. The surrounding integuments are more healthy (though substances are sometimes applied to give them an unsound appearance ;) their borders are less callous, their surfaces more superficial, and generally less painful. Plenck says that artificial ulcers are more easily cured ; but experience has proved the reverse of this, as, where an impostor has courage to excite, he will have determination to prolong the cure of an ulcer.

Some, to induce a belief that the ulcer has existed a long time, apply vesicatories or rubefacients, which leave an alteration of the epidermis, and render it glabrous, shining, and of a reddish colour ; but in this alteration of the skin surrounding old ulcers, the colour confounds itself by degrees with the sound skin, while after the reiterated application of vesicatories, it is circumscribed, and distinctly enough defined. If the subject has a good colour, is stout, has a good

eye and sound teeth, no enlarged cervical glands, and the margins of the ulcer are round and brown, the base fiery or purple, the neighbourhood spotted or blistered, one may suspect fraud ; for men attacked with troublesome ulcers are cachectic, their skin is dry and scaly, and the diseased limb almost always atrophied.

To prevent impostors from applying irritating substances to ulcers on the legs, and thereby retarding their recovery, Mr. Baynton's plan was very successful ; but it is frequently necessary, and was long the practice in the army and navy, to seal the bandages, for the purpose of preventing the removal of the dressings. Even this measure, however, is frequently but partially effective, as some determined characters will destroy the granulations by repeated blows over the ulcer, and by the introduction of pins, needles, &c. through the bandages, thus irritating the surface of the ulcer. It is occasionally necessary to enclose the leg in a wooden box, of which Hutchison gives a description, p. 144, with " Punishment for Impostors," painted in large letters on the front. This means was so successful in Mr. Hutchison's hands, that he attributes the efficiency of the grand fleet when in the blockade of the Scheldt, and of the Downs squadron, to the better manning which resulted from the notoriety of Deal hospital in detecting imposture.

Sometimes even this means is ineffectual, as rods are occasionally passed down along the leg

within the box, so as mechanically to irritate the sore. This, however, Sir George Ballingall considers, may be prevented by making a horizontal slip of wood to fit the limb, or by the application of a bulky bandage above the ulcer.

The orifice which admits the limb ought always to be properly adapted to its size.

Many of those who have excited ulcers have fallen victims to their own iniquity, or to diseases contracted in hospital, especially hospital gangrene.

Hutchison mentions a case in which he had to amputate the leg of a man, who primarily exciting an ulcer, had brought on disease of the bones. On dissection of the limb, a copper coin was found imbedded between the solæus and gastrocnemius muscles. There is another similar case, where a Portsmouth marine, to avoid going on duty, made an incision upon the shin-bone, and placed a copper halfpenny on the wound: inflammation, ending in mortification, rendered amputation necessary.

I cannot end this article better than by remarking, that "even where there is no satisfactory evidence of artificial means having been employed to excite ulceration, this disability should rarely, except when accompanied with varices, induce a surgeon to bring forward a man for discharge."