

A treatise on the special diseases of women and their electropathic treatment / The Medical Battery Company Limited.

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MEDICAL WORK.—For Private Circulation Only.

A TREATISE
ON THE
SPECIAL
DISEASES OF WOMEN
AND THEIR
ELECTROPATHIC
TREATMENT.

Price ONE SHILLING.

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PREFACE.

This book, on the Special Diseases of Women, is respectfully dedicated to ladies who wish to acquire more reliable knowledge of the physiological functions peculiar to the female sex, neglect of the derangements of which is the cause of much avoidable suffering, often silently endured by a very numerous class, chiefly because ignorance concerning these matters engenders erroneous ideas, which foster a feeling that there is an element of reproach attached to such disorders, and leads to their concealment, greatly to the detriment of the general health. We earnestly hope that its perusal may be found of service in accordance with our views upon the subject, which are fully enunciated herein.

52, OXFORD STREET,
LONDON, W.

January, 1891.

INTRODUCTORY.

In the publication of this little book for private circulation amongst adult women, we desire to state that the object of its issue is to make the much neglected subject of the disorders incidental to their sex one of popular medical instruction, free from technicalities of language, and strictly decorous in its form, so that the knowledge here promulgated may be readily understood by lady readers without offending the modesty characteristic of the gentler half of the human race.

In the extensive Electro-Therapeutic practice of this Institution there has been much to convince us that, in the interests of purity and the national health, the dissemination of sound common sense information upon the physiological attributes of the sexes is one of pressing necessity, that it cannot fail to be of great benefit to the individual, and will be of advantage to the commonweal.

During the present generation, new light has illumined our knowledge of the physiology of the bodily functions, but in our judgment greater attention has been especially paid to the *causation* of diseases than to the means necessary to remove and prevent them, and

consequently the scope of this pamphlet in dealing with the diseases of women will be somewhat extended, so as to include both branches of these important subjects.

It is, unfortunately, an undoubted fact that amongst women in all grades of society and in various stages of life large numbers suffer—and some even die—because of their almost total ignorance of a particular function identified with their distinctive sex, the normal performance of which, during a considerable portion of their existence, Nature has ordained is necessary to the maintenance of health, and therefore we say that mothers and guardians of girls, by cultivating a wider knowledge of sexual hygiene, will hereafter be more capable of properly instructing the young maiden—when a certain phase of her development is at hand—as to this ordination of Nature, nor should they have any spurious delicacy against so doing, because without timely warning she may become aware of it in an accidental manner, with consequences gravely detrimental to her future health.

Our own ideas upon this matter are ably endorsed by a medical journal which, writing of the unfortunate lack of knowledge prevailing as to the laws of woman's physical life, has the commendable courage to say:—
“We refer to the complete ignorance regarding the sexual functions, which is permitted and sedulously fostered by the ordinary education which girls and boys receive in this country. Not only does

our school system provide no information on these topics, which so vitally concern the happiness of every individual, but the slightest allusion to the subject is apt to be rigorously prohibited and perhaps branded as obscenity. There is a great deal of ignorance in these questions, and a still greater amount of half knowledge, which is more dangerous than either total ignorance or the fullest information. We have the authority of Sir James Paget for this statement, that some grow up and even marry in complete sexual ignorance, and while this is rare in the male sex, it is extremely common among cultivated and refined women. The decent veil which we conspire to throw over everything connected with the reproductive function, serves beyond doubt some useful ends, and we trust the English people will always be characterised by their delicacy of thought and expression in this matter. But we are convinced that this secrecy—this conspiracy of silence—has gone too far, and that it is productive of serious evils. We object to it in the first place as unnatural. That our educational methods and social practice should permit men, and more frequently women, to marry without knowing what marriage involves, is not merely unnatural, but may be the cause of much matrimonial unhappiness. Parents act as if innocence in such matters could last for a life, and as if knowledge were a crime. But a much more serious, because infinitely more common, evil, is the objection-

able mode in which knowledge gains access to the mind. Instead of being conveyed in some plain and matter of fact manner, it is too often gained through a corrupting medium. At the most emotional and plastic period of life, when new instincts are swelling up and causing great mental disquietude, we withhold from boys and girls the knowledge which Nature is instinctively trying to impart, and we leave them to grope their way in darkness, or seek illumination from some unhallowed source. Why do the young so often regard an obscene work or print with such curiosity? Not from mere depravity, as we often assume, but because they are thus unconsciously seeking information which they have a right to possess, and which we are conscientiously bound to supply, in some form which will enlighten the reason. Sexual knowledge is not wrong, its tendency is not necessarily injurious; but our mistaken methods of secrecy have undoubtedly the most unfortunate effect of stimulating the imagination to the highest point. We know the baneful fascination of forbidden fruit, not because it is sweet and pleasant, but simply because it is forbidden. This is a notable trait in human nature, but in our attitude towards these questions we have disregarded, or rather acted in direct contravention of it. It is usually easier to indicate a disease than to apply a suitable remedy, but we shall not conclude without venturing a few suggestions. First let us glance at what is suggested

in the very few books which touch upon this question. Many urge that parents should convey knowledge upon these questions to their children at a time of life when external signs and new sensations indicate that sexual instinct is beginning to awake. But many, probably a majority of parents, are not fitted to undertake such a duty. Our language is badly provided with the necessary terms, and the untrained parents, ignorant of anatomical expressions, would find it hard to convey the necessary information without incurring the suspicion, and in their own minds the reproach, of indelicacy. Some advise that the family medical adviser should act in *loco parentis* in this matter, but we are certain such action would be highly disagreeable to the members of the profession. How then is the girl, approaching womanhood, to be made acquainted with the solemn facts of the creative act?"

Dr. Elizabeth Blackwell, M.D., the first woman in England who obtained legal status as a Lady Doctor by the registration of her diplomas, in her Lectures to Women on the Laws of Life and their violations, with especial reference to the effect upon their physical well being, and as to the extent of the mischief committed by our methods of education, says:—

"We must bear in mind the important relations into which our daughters early enter. A disordered condition of any function of the body would be productive of much misery to the individual; but the reproduc-

tive system stands alone in its importance in its relation to the duties of maternity. Not only our duty to the individual, to our children, but our wider duty to the race, commands us to educate strong mothers for a succeeding generation, and we are not faithless to our children merely, but traitors to Humanity when we thus destroy the health of the young. Through the imperfect development and weakness of the generative system, it is unprepared for the remarkable changes of maternity; hence we have a long and increasing catalogue of uterine maladies, a class of diseases that are increased by the wide sympathies of this portion of our nature. It is so closely connected with the rest of the economy, so intimately united to the whole nervous system, that simple local disease of these organs cannot exist for any length of time, but necessarily involves function after function in sympathetic disturbance, the stomach is deranged in its action, locomotion is in a great measure hindered, the disposition and mind are affected, and there is no part of the economy that may not suffer in the course of time."

A celebrated specialist in abdominal surgery for some forms of female disease we need not refer to here incidentally writes: "Within the last twenty years there has grown up a taste—perhaps I had better say a fashion, lest it should not prove permanent—for popular instruction in biology, and this tendency has had results of the best kind. Among

others it has enabled us to teach women, even girls, a great deal which deeply concerns their welfare in a way which cannot, or at least ought not, to offend any. It must ever be regarded as a misfortune that the most important functions of life—those of reproduction—and the most important relations of society—those of marriage—have usually been shrouded in mystery and darkness, have been wilfully misrepresented to the enquiring and innocent mind of youth, and have been left entirely for their solution to the personal speculations of each adolescent.”

These references to representative medical opinion bear the hall-mark of high authority, for the sentiments they express, but it must be remembered the generality of women cannot be expected to have access to expensive and elaborate works on gynæcology and embryology, nor would they gather much information therefrom, seeing that all such books are couched in technical terms, familiar only to the Faculty for whose edification they are solely intended. Neither do occasional lectures or isolated journalistic articles, however excellent in themselves, find their way to the vast multitude of women, the bulk of whom are admittedly either ignorant or *ill-informed* upon these important matters.

We therefore feel that there are solid grounds for the issue of this pamphlet, which—as stated at the commencement of this introductory explanation, is expressly designed for popular enlightenment—and in

its preparation we have sought to supply, in the simplest possible phraseology, physiological and anatomical instruction that will enable mothers and guardians to better fulfil what is an obvious duty to young girls as the evolution of puberty approaches, and with a view to the proper domestic management of their health in later life, and in our efforts in this direction we have made it an especial study to carefully avoid any expression that could be possibly construed as an offence against purity and morals, or as unnecessarily intruding upon that innate modesty which is the greatest ornament of the female sex.

THE MENSTRUAL PHENOMENA.

The establishment of the function of Menstruation is an event of much importance in the lives of women. The term is used to signify a bodily process occurring periodically during a certain time of life, and consisting, when normally performed, of a flow of blood, monthly, from the womb. It is incidental to all states of civilization, and, as proved by the Mosaic records, has existed from time immemorial. The phenomena is first manifested about the age of puberty, and being intimately connected with the aptitude for gestation, and characteristic of the capacity for reproducing the species, its proper and healthy performance may in this respect be said to affect in some measure the happiness of both sexes. But it is in relation to the physical well-being of women themselves that this little book is mainly concerned, for it is one of Nature's inexorable laws that no female can enjoy perfect health unless the function is regularly performed, and not preceded by, or attended with, symptoms prejudicial to the general health.

In our own and other temperate climates the menstrual flow appears at ages varying between twelve and nineteen, but from observations which have been verified, it commences more frequently at the age of fifteen than any other, though there is no definite rule, for girls reared "in the lap of luxury," and accustomed to sensuous excitement and free living, undergo the

change at an earlier age than those brought up under a sterner regime of compulsory self-denial. It is asserted to occur earlier with the brunette than with the blonde, it certainly comes prior to the town than to the country girl, and to those who live in tropical latitudes than in colder climes, which is doubtless owing to the same influences that with us favor its first appearance in the warmer months of summer. The flow recurs about every twenty-eight days, its normal duration being three to six days, during which four to eight ounces of fluid matter are exuded from the system. The discharge is of a sanguineous character, and as it issues from the uterus appears to consist of ordinary blood, but in its passage through the vagina it becomes intermingled with acidulated mucous excretions, which prevent coagulation.

In healthy women this continues for a period of about 30 years, usually ceasing between the ages of 45 and 50; the time of the disappearance of the flow is known as the Menopause, or perhaps more familiarly, by the term "change of life." It occurs gradually, and when complete the womb becomes passive, the power of reproduction vanishes, and with its entire cessation many of the peculiar sexual characteristics are lost.

At the time of the inception of the menstrual function the system is subject to very remarkable changes, these are for the most part connected with the reproductive organs, which both internally and externally are considerably augmented in size, the mammary glands and pelvic viscera are rapidly

enlarged, the ovaria become more fully developed, and the uterus manifests increased powers of secretion and irritability. The first appearance of the catamenia almost always occurs while these changes are progressing. But quite apart from these other changes are especially noticeable, the nervous system betrays greater susceptibility, while, as regards the mental condition, there is a very marked increase in the passions of emotion and imagination. Physically a roundness and fulness of the whole body is observed, the voice acquires a richer tone, the growth of hair is increased, and in the transition from the girl to the woman, wherein the one great purpose of her existence becomes a reality, the general contour assumes the aspect of approaching maturity in which the divinity of woman reaches the highest point of ideality. This is the sketch of a healthy girl as Nature introduces her to the threshold of womanhood. But what is the reverse side of the picture? Should the uterine organs remain quiescent and the menses fail to appear, nutrition and development are arrested, the body becomes unhealthy, a general appearance of anæmia sets in, fatty cellular substance is formed in place of muscular tissue, the patient is languid, depressed and melancholy, the mental faculties are weakened, the natural passions warped and blighted, the energies and vital forces of the system are annihilated, while as time goes on it is probable that premature Phthisis puts an end to a debilitated and miserable existence, indeed it is an ascertained fact that in almost every instance of female mortality

from Consumption, occurring during the times of life when the sexual functions should be in a state of healthy activity, the initial stage of the disease has arisen from deranged Menstruation, and is of course more speedily fatal in those of a Scrofulous diathesis.

The origination of the menstrual flux is invariably preceded and accompanied by a constitutional disturbance of the whole system, more or less severe in different individuals. The symptoms most pronounced are headaches, drowsiness, pains in the loins and down the thighs, feelings of lassitude, a sense of fatigue in the lower extremities, an indisposition for exertion, while the appetite becomes fastidious and the digestion impaired. Several successions of the evacuation are often attended with similar sufferings prior to the function being properly established, but the repetition of the process is one so largely dependent upon the well-being, that *although in an absolutely perfect state of health a woman not only menstruates with regularity, but does so free from pain*, the number is exceedingly limited of those who pass through the entire period of sexual activity without experiencing some kind of suffering before or during the monthly visitation.

In our large experience in Electro-Therapeutics we have been much struck with the proportion of female cases confided to our care (both single and married, and, of the latter, those who have become mothers as well as those who have not) in which, from varying causes, some form of uterine derangement has

been a prominent symptom, and directly responsible for other complications which, being neglected, and their primary cause probably misunderstood, have allowed the patient to gradually drift into a serious state of ill health.

Before dealing with the derangements of Menstruation, it may be well to briefly describe the phenomena of its origin. The organs responsible for its production are the uterus and the ovaries, the latter being two oval shaped glands connected with the womb by organic ligaments of extreme delicacy known as the Fallopian tubes. The ovaries become considerably enlarged at the age of puberty, and thenceforward exert a remarkable influence over the female system. Their office is to produce the germs which are the female contribution towards the creation of new life. Each ovary contains twenty to thirty small cells known as the Graafian Vesicles, the exact number of these cannot be adequately arrived at as development is gradual, the ova maturing successively from the period of puberty to that of the turn of life. Every twenty-eight days or thereabouts a perfect germ escapes from the ovary, is taken up by the Fallopian tubes, and by a contractile process conveyed to the uterus—this occupying from two to six days. When lodged in the womb, impregnation may ensue should coitus take place, but otherwise it is in due course expelled from the body. The maturation of the ovule is attended with a degree of excitement which causes inflammatory congestion and a determination of blood to the parts, this action culminating antecedent to the reception of

the ovule by the womb when the distended and surcharged blood vessels find relief by throwing off blood and mucus.

This is a short account of why and how Menstruation takes place, and we have included it in as concise a manner as possible in these pages, that the true nature of a constantly repeated function may be understood by those who are subject to this healthy physiological act.

The principal deviations from a normal performance of the menstrual process are as follows:—

1. AMENORRHŒA; 2. DYSMENORRHŒA; 3. MENORRHAGIA.

Each of these derangements arises from different causes, and it will therefore be best to deal with them separately.

AMENORRHŒA.

Amenorrhœa indicates an absence or suspension of the menses when they ought naturally to occur. In some cases the flow fails to make its appearance at the usual age, this is generally a consequence of a morbid condition of the circulatory or nervous systems, but more frequently a derangement of both. Isolated instances are recorded where the non-appearance has been due to imperforation of the hymen, to malformation or some congenital defect of the uterine system, but these are very rare causes of the accumulation or retention of the flow, and in any case their treatment belongs to the domain of operative surgery.

What we have to consider here is *relief for the suppression of the Menses* (*i.e.*, their discontinuance or irregular appearance when once established), and this we regret to say is a very prevalent female complaint and causes grievous suffering. Now in order that the catamenial function may be duly initiated and afterwards periodically sustained, it is requisite there should be healthy development of the whole uterine system, a vigorous condition and energetic action of the various organs, together with a proportionate degree of what may be termed general constitutional power. In some instances the suppression of the menstrual phenomena is undoubtedly due to constitutional disease, in others the development of the uterine system has not corresponded with the progressive maturing of the rest of the body, local weakness preventing the production or continuance of the sanguineous flow characteristic of perfect health.

In these cases considerable gastric irritability supervenes, inducing an exodus of mucus from the intestines, followed by a Leucorrhœal discharge constituting what is known as vicarious (or substituted) menstruation.

Thus, while it is true that constitutional causes may and do arrest the catamenia, it is equally true that no grave uterine trouble *from whatever cause it may arise*, can exist for any length of time without re-acting on the general health, the nervous system also becoming disordered and the numerous functions under its influence imperfectly performed, and in this

manner the unfortunate patient often passes months, even years, of suffering, in what may be termed a vicious circle of cause and effect.

But by far the most fruitful cause of menstrual suppression is that condition of anæmia or deficiency and poorness of blood observable in women of delicate constitutions, and most frequently found in those who live indolent and luxurious lives, and disorder the system by a disregard of those habits which are essential to a healthy state. *The inevitable result is a state of chronic invalidism* brought about by a variety of causes, such as tight lacing and other absurdities of fashion, by late hours and irregular meals, perversion of the nutritive forces and neglect of the ordinary rules of hygiene, the consequence being a condition of anæmic debility developing Amenorrhœa. All this is erroneously attributed to the failure of the uterine functions, when such failure is merely symptomatic, healthy menstrual activity being necessarily impaired by constitutional enfeeblement.

DYSMENORRHŒA.

This form of menstrual malady is a difficult and painful performance of the function when it recurs. The principal phases of it are the *Neuralgic*, the *Congestive*, and the *Membraneous*. If abnormal conditions are existent either in the structures from which the blood flows into the uterus, or any other of the adjacent parts, they become congested, menstruation becomes exceedingly difficult and painful, and is

seriously injurious to health by the agonizing suffering it produces, the pain being often so acute as to cause the sufferer to writhe in agony.

In the *Neuralgic* form there is an extreme sensitiveness of the ovarian and uterine nerves, which is sympathetically referred to distant nerve centres, and, disordering the general nervous system, reflects upon the menstrual function, causing spasmodic paroxysms of pain, which are said to be more intensely distressing than those of labour experienced during parturition.

In the *Congestive* form the continuance of the flow is interrupted after its commencement by a superabundant afflux of blood to the parts arresting the exudation, and it is almost needless to add that it is chiefly in women of plethoric temperament that this derangement occurs.

Dysmenorrhœa of the *Membraneous* type is comparatively rare ; suffice it to say, that in consequence of some morbid condition, the entire mucous membrane of the uterine cavity becomes disintegrated, and is ultimately expelled. While this is in progress it is easy to understand the patient suffers acute pain, which becomes more violent the longer the expulsion is delayed.

MENORRHAGIA.

This signifies an immoderate or profuse continuance of the monthly loss, and is a common and also a serious ailment amongst women. It must be borne in mind in connection with this extremely debilitating disorder, that the uterus is the only organ of the body

from which a flow of blood is a normal physiological process, and it is not therefore surprising that slight and numerous causes are liable to excite an excessive and dangerous hemorrhage. This is especially so with young women of lymphatic habit whose organs lack tone and energy, and whose blood is poor, watery, and deficient in vital elements, the drain upon the system being usually the outcome of erotic excitement. In this type the causes which suffice to produce Menorrhagia, such as slight exertion or emotion, are so trifling as to lead to almost constant hemorrhage, which sometimes becomes so continuous and abundant as to end in death. In any case the vital force of the system must be seriously weakened by the inordinate loss of blood, great debility of the nervous and organic functions follow, and repeated occurrences break down the strongest constitution.

CHANGE OF LIFE (Menstrual Cessation)

Is a very critical period, occurring some time about the forty-fifth year. It is the epoch bringing to a close woman's capacity for reproduction of the species, and at this time there is a decided tendency to become stout with considerable "flushing," chiefly affecting the face. If the bodily health is good, and there has been no serious disease consequent upon irregularity or excess, the cessation of Menstruation is generally achieved under favourable conditions by a gradual diminution ending in total disappearance, and is then attended with a marked resuscitation of physical

vigour. But more often than not there are serious disturbances of the general health. When the flow of blood is suddenly diverted from the uterus it is very liable to be determined to some other part of the body, especially the head, causing distressing hysteria, acute nervous irritability, and a condition of extreme mental tension. The change also favours the development of any latent morbid tendencies, such as the growth of tumours, and may be superseded by an acrid excretion from the vaginal membranes. The approach of the period is one at which it behoves women to exercise great care in conserving the physical energies to enable them to pass through the menstrual climacteric, without suffering seriously in health.

LEUCORRHŒA (Fluor Albus).

Amongst the ailments peculiar to women this disorder is more familiarly known as "Whites." It is a widely prevalent complaint, and probably not a single woman goes through life without at some period suffering from it. The most common form is the vaginal discharge, which consists of a white, creamy, purulent-looking fluid, acid in character, and varied at times by a yellow or greenish tinge. The uterine excretion is distinctly alkaline, and charged with albumen and certain constituents of the blood. This disease is very debilitating, many women becoming extremely reduced in health, although the discharge is but meagre; it is not a purely local complaint, but depends upon a relaxed condition of the system, and is always more or less associated with general debility.

Its symptomatic origin is due to a morbid state of congestion and inflammation of the mucous membrane in which the natural secretions become excessive, irritating, and often offensive. The pre-disposing causes are derangements of Menstruation before alluded to, ulceration of the cervix, displacements of the uterus, various organic lesions, pregnancy, &c., and the morbid condition may be developed co-existently with almost every variety of uterine derangement. The general symptoms accompanying it are very distressing, and Leucorrhœa should be promptly treated or it soon becomes chronic, causing a certain amount of relaxation of the vaginal walls, and seriously weakening one of the supports of the womb, from which Prolapsus, with its excruciating bearing-down pains, may result.

Chronic Leucorrhœa has also the effect of rendering many women sterile, and is much more frequently a barrier to conception than is generally supposed. Concerning this, a distinguished medical authority writes:—"Another very common cause of sterility in women is uterine leucorrhœa, popularly known as 'the whites,' and is a symptom of either a general bad state of health, or of some local irritation or inflammation of the generative system itself. Young women who have not menstruated properly, who are pale and feeble, and have lived much in large cities, or under conditions unfavourable to health, often suffer from this complaint, which ultimately brings on a series of other symptoms, such as loss of appetite, dyspepsia, palpitation, shortness of breath, and ex-

treme constipation, the sum of which go to make up that general enervation of the mental and physical powers which is so frequently associated with it. Leucorrhœa may also occur in young married women, from the effects of miscarriage setting up irritation or inflammation within the cavity of the womb, and leading to those slow changes in the nutrition of the parts that ultimately interfere with their functions. There are two factors—separate, and yet dependent upon each other—in the production of sterility, under the circumstances here described, the one acting mechanically, and the other physiologically. The mechanical impediment is due to the thick, tenacious, and jelly-like fluid that blocks up the canal and cavity of the womb. The subjects of Leucorrhœa, as a general rule, are but too painfully conscious of its presence, and often describe the effects of this discharge as ‘draining their life and energies away.’ The languor and nervous prostration—that in some instances is consequent upon, or associated with, this symptom—quite unfits the sufferer for the ordinary duties of life, and she becomes a chronic invalid, a misery to herself, and a vexatious anxiety to her husband and friends. In some extreme cases the ordinary remedies are of no avail, and until recently, many such were regarded as beyond the pale of hope. But by a new system of treatment, called ‘Massage,’ the worst cases now recover perfectly, and are restored to active habits of life, and to the cheerfulness and pleasures to which they had long been strangers. The physiological impediment to conception, present

in some cases of Leucorrhœa, is due to an impoverished or vitiated state of the blood acting upon the genetic functions of the ovaries. After the Leucorrhœa is cured, it is not an infrequent occurrence to find that the generative system is so debilitated as to require the direct application of a Constant Current Battery to stimulate the parts to healthy action.

And, lastly, by the direct application of Electricity we are often able to recuperate the physical and nervous powers, and restore the functions of the womb when all other remedies have conspicuously failed to do so."

CHLOROSIS (Green Sickness).

This is a malady principally affecting young girls at the age of Puberty, when the dormant functions of the ovaries are being aroused prior to the development of womanhood. The term "green sickness" is expressive of the peculiar pallor of the countenance which in this disorder assumes the pale greenish yellow appearance of plants that have been deprived of their natural colour by exclusion from the sunlight. The condition is closely allied to Anæmia, a neurosis or morbid condition of the nerves disturbing the control they should exercise over organic life, producing disorder of the Menstrual capacity, impoverishment of the blood, Constipation, Dyspepsia, Palpitation, Hysteria, and serious mental derangements. All the functions are inadequately performed, and as the organs concerned in these are intimately connected each with the other and governed by the nervous

system, the lack of vitality of this system renders it incapable of fulfilling the purposes it is destined to perform. An extraordinary characteristic of the disease is the display of perverted and even depraved tastes, the appetite particularly is demoralised, there being a great craving for acids, such as pickles, lemons, &c., and highly-seasoned foods, while patients have been known to swallow with avidity and apparent relish such substances as chalk, clay, paper, coals, &c.

PROLAPSUS UTERI (Falling of the Womb).

This and other forms of uterine displacement, productive of great pain and weakness, are generally regarded as needing only local treatment, whereas they are more or less symptomatic of general derangement, and should be dealt with from a constitutional standpoint. When the natural supports of the womb have become weakened and relaxed, permitting prolapse or lowering, the cause is invariably traceable to the existence of considerable general debility. Numerous kinds of pessaries and other mechanical contrivances have been devised for artificially supporting the organ in position, but except as a temporary matter, their continuance should be avoided as calculated to further irritate, inflame, and weaken the sensitive tissues, and render the prolapsus infinitely worse than before they were resorted to. The symptoms of any serious displacement are acute pains in the back and loins, sensations of weight in the vicinity of the uterus ("bearing-down" pains these are usually termed),

feelings of fatigue upon ordinary exertion, Leucorrhœa, and irritability of the lower intestines and bladder, causing chronic disturbance and desire for frequent urination. Another circumstance which favours Pro-lapsus is the compression of the waist by tight lacing, which tends to force the intestinal organs situate immediately above, down the womb, subjecting it to constant pressure, which, sooner or later, must have prejudicial results.

FEMALE WEAKNESS.

Besides the distinctive types of disease before mentioned as chiefly affecting the reproductive organs, it is a most common thing to find women suffering from a condition of ill health which may be correctly termed Internal Weakness. Though they are able to get about there is a general aspect of lassitude and an indisposition for exertion, sinking feelings at the pit of the stomach, and distressing nervous sensations are experienced, the eye loses its lustre, and the complexion its healthful bloom, the respiration is weak, and the hands and feet cold, shewing deficiency in the circulation as well as in the vital properties of the blood, and although not absolutely an invalid, the patient is "very much below par," and causes alarm to her friends by the fear that she is lapsing into Chronic Decline. Women in this state are often erroneously treated by the family doctor for Dyspepsia, Heart affections, Liver and Kidney troubles, &c., which, if existent, are not of primary origin but

symptomatically reflected from a uterine malady. We have for a long time held the opinion that in this very prevalent form of female debility, the seat of actual disease is often to be found in some affection of the womb, which anatomically is in intimate sympathetic connection with every internal organ of the female economy, and bearing this important fact in mind it is not surprising that any derangement of the functions of this sensitive structure, however slight, should be liable to establish a sequence of symptoms seriously affecting the vitality of the system, lowering the nervous force, and rendering life wearisome. In the majority of cases of this kind the diagnosis is simple, and they yield readily to a rational and appropriate course of Electrification carried out concurrently with the observance of common-sense rules as to domestic management and hygiene previously referred to.

HYSTERIA.

Since the publication of former editions of this pamphlet such a large proportion of cases have been submitted to us, in which hysterical tendencies are disclosed in the description of symptoms demanding treatment, that we have deemed it necessary to add an addenda on this eccentric form of nervous disturbance.

Although Hysteria is not always identified with derangements of the female sexual system, such derangements must without doubt be regarded as very powerful excitive causes, and especially where they are existent with a constitutional condition inheriting the hysteric diathesis.

Indeed, the nomenclature of the disease is from the Greek word *hystera*—the womb—which organ, from the earliest times, was the supposed seat of the disorder. Hysteria has been defined as “a nervous disorder, often assuming the most varied forms, but commonly presenting a paroxysmal character, the attacks usually commencing with a flow of limpid urine, with uneasiness or irregular motions in the left iliac region, or the sensation of a ball rising upwards to the throat, frequently attended by a feeling of suffocation, and sometimes with convulsions, chiefly affecting females from the period of puberty to the decline of life, and principally those possessing great susceptibility of the nervous system and a mental emotion.”

Hysteria is seldom observed amongst men, being almost exclusively confined to women, and it is essentially a disorder of the nervous system. The first indication of this obscure and intricate disease usually commences in early life, and it may also be mentioned that the attacks occur more generally about the time of menstruation than at any other period. The reason of this is at once apparent when it is borne in mind that the uterine system is abundantly endowed with minute and highly sensitive nerves connecting it closely with the whole nervous system, and establishing that dual relationship of cause and effect, in which uterine disorder is sometimes an important factor in the nervous excitement which culminates in the convulsive paroxysm of Hysteria,

while in others it is a referred effect of the Hysteric neurosis. Sir James Paget, in his lectures on "Nervous Mimicry," while objecting to a comprehensive use of the word Hysteria as signifying forms of nervous disorder to which it is not related, states that "the close and multifarious relations of the (female) sexual organs with the mind, and with all parts of the nervous system, are enough to make the disorders of these organs dominant in a disorderly nervous constitution."

Although the etymological signification of the phrase is characteristic of its relation to some form or other of uterine derangement, it must not be held to exclude the moral, social, and hygienic causes contributing to the hysteric condition, as quite apart from the contributory causes referred to, many cases of youthful Hysteria have their sinister origin in a vicious system of high-pressure education at school, the physical welfare being sacrificed to undue mental and nervous tension in acquiring numerous accomplishments, to such an extent, that a few years later the young woman whose mission in life has perchance no other definite object than to wait for a husband, who keeps late hours in crowded, heated rooms, eats unhealthy suppers, and has no serious occupation that will interest the mind, becomes the victim of *ennui*, lassitude, and mental inertia, leading up to the "fit of hysterics," which it may here be well briefly to describe.

It often takes place without any premonitory warning other than a burst of tears from no apparent

cause, the patient being seized with a sudden choking from the sensation of a ball rising from the abdomen to the throat—the *globus hystericus*, as it is termed—succeeded by panting, difficult respiration and convulsive movements of the arms, violently beating the breast as if endeavouring to relieve the sensation of suffocation, and accompanied by a variety of distortions of the trunk of the body, and distressing perturbations of the action of the heart. At the height of the paroxysm the patient appears to be threatened with suffocation, she becomes faint, the face is flushed, the eyes are bright and lustrous, but consciousness is seldom wholly lost, and after some minutes the fit terminates with wild spasmodic outbursts, in which laughter, screaming, incoherent talk, and sobbing cries rapidly alternate, leaving the unfortunate patient in a state of complete exhaustion. All this suffering is terribly real, and exhibits a strange and irrepressible riot of the emotions engendered by exalted sensibility of the nervous system, which impairs the controlling power of the will.

Of the domestic management of the subject of an Hysterical fit little need be said here. The best plan is to place the patient on a bed where the danger of injury is minimised, loosen her clothing, lave the head and face liberally with cold water, and after the violence of the paroxysm is over leave her alone for a time, when she will probably lapse into slumber.

Generally speaking, the hysteric patient is not physically strong, there is an anæmic appearance, a

feeble circulation of the blood, an impairment of digestion and perversion of nutrition, and IN ALL CASES THERE IS A DERANGED CONDITION OF THE NERVOUS SYSTEM, IN WHICH THE INFLUENCE OF EMOTION UNDULY PREPONDERATES. Amongst the predisposing causes, luxurious and idle habits of life, and the lack of some employment to interest the mind, so commonly prevalent amongst the wealthier classes, favour the production of the disease. Hysteria also commences at an early age, often when girls are in their teens, before they are eligible for matrimony; and it has been aptly said of young women that "they often remain single because they are hysteric, and as often become hysteric because they are single," the circumstances of disappointed affection and enforced celibacy operating quite as strongly as many other of the conducive causes.

One of the most remarkable local manifestations of Hysteria is the simulation of disease of some particular part. Very frequently the spine is the *locale* of hysteric pain, simulating the pain of spinal disorder, and has often been mistaken by medical practitioners for structural disease which did not exist. We recollect a case in which we were consulted a few years back of a lady in a Midland town (we are not at liberty, for purely private reasons, to mention the name) who was represented to be suffering from hip disease, which all medical remedies had failed to remove. The patient was practically bed-ridden—at any rate she seldom left her couch, and upon examination we came to the conclusion it was a localised hysteric affection,

and treated it successfully with suitable constitutional and local applications of the galvanic current, assisted by the social and hygienic influences we were able to bring to bear upon the case. In connection with this part of the subject, we have the high authority of the late Sir Benjamin Brodie that "among the higher classes of society at least four-fifths of the female patients who are commonly supposed to labour under diseases of the joints, labour under Hysteria, and nothing else."

Dr. Anna Kingsford, who has deeply studied the origin of a disease specially affecting her own sex, and has applied a rare intelligence to the formulation of effective methods of treatment, recently writes on the subject as follows:—

"Hysteria is pre-eminently the disease of indolence. Girls between the ages of seventeen and twenty-five, living at home in idleness, are especially liable to be attacked by it, and in such cases it usually assumes a romantic or a religious form. Imaginary 'love affairs,' or the mania for incessant church-going, fasting, and similar observances, usher in the first symptoms of the disorder. By-and-bye some morbid fancy connected with the dominant train of thought begins to impress itself strongly upon the nervous centres, then sleeplessness and loss of appetite supervenes, frequent fits of depression, uncontrollable outbursts of tears, or unaccountable panics, headaches, feverishness, disturbed function, restlessness, alternating with strange langour, and at length, perhaps, an absolute inability to fix the mind on any subject

save the one which has assumed supremacy. Meanwhile in most such cases, the family doctor has vainly done his best—or worst—with chloral, bromide, or morphia; argument, entreaties, and sympathy have all been lavished in turn upon the patient without effect, and perhaps even the ministrations of the curate have been called into requisition. All is to no purpose, and at length the poor young woman becomes a hopeless invalid, incessantly tormented with all manner of pains and panics, a source of perpetual anxiety to her family, and of very decent income to her medical adviser.”

After stating that drugs of all kinds have been tried with very meagre success, Dr. Anna Kingsford proceeds to say :—

“As for the electrical treatment of Hysteria, there are cases in which it may be advantageously administered, as, for instance, before the patient succumbs to its *cachexia* and exhibits marked attenuation and debility. The ablest practitioners recommend, in such cases, a thorough treatment by means of general faradisation and central galvanisation.
Electrical treatment, whether by faradic or galvanic currents, requires to be perseveringly continued for some time before any marked results appear. The employment of generalised electrical treatment, whether galvanic, faradic, or franklinic, does not prevent the local application of currents to any part of the body especially affected. Muscles and internal organs may be submitted to any par-

ticular electrical stimulus that may seem to be indicated while the general treatment is being carried on, Drs. Beard and Rockwell, of the New York Academy of Medicine, recommend electrical treatment as the best, not only in well-marked cases of Hysteria, but likewise in Epilepsy, Neuralgia, Chorea (St. Vitus' dance), Hypochondria, Neurasthenia, and the entire family of nervous disorders. In their exhaustive treatise on the medical and surgical uses of electricity, these gentlemen cite many instances of success obtained by the application of galvanism and faradism in all these maladies, after other remedies had failed to procure relief. I must not close without reference to a method of electrical treatment that is much in vogue. I speak of *HARNESS' ELECTROPATHIC APPLIANCES, such as belts, spine-bands and so forth. Of course the therapeutic results obtained by wearing these must, as Drs. Beard and Rockwell point out, depend on the manner of their construction and application. If well made and judiciously used, they prove of considerable service in cases of *painful* hysteria, that is, in cases associated with neuralgia of the intercostal nerves, "tender back," or hyperæsthesia of the cuticle. Localised and superficial pains of this kind are especially likely to be relieved by such appliances."

*NOTE.—**Harness' Electropathic Appliances** are not only of themselves *bona-fide* generators of mild continuous currents of electricity, but are constructed with terminals attached, so that by connecting conductors from the poles of a battery they can be used as media for transmitting more powerful currents from either a Galvanic or Faradic Battery as may be required.

MEDICAL AND SCIENTIFIC AUTHORITIES.

As to the high value of treatment by Electrification in diseases incidental to women, strong and conclusive opinions of gentlemen holding distinguished positions in the Medical world are as follows:—

DR. HERBERT TIBBITS, M.D., M.R.C.P., ENG., says:—

“There are many cases of Amenorrhœa in which Electricity would seem to be *facile princeps THE REMEDY*. According to GOLDING BIRD it is the only true emmenagogue we possess; and in a recent number of the *British Medical Journal* there is an interesting report by DR. MYRTLE, of Harrogate, of the re-establishment of the catamenia and cessation of sympathetic Epileptic attacks that had persisted for three years—brought about by the constant current.”

DR. W. E. STEAVENSON, M.D., Cantab, M.R.C.P., Casualty Physician and Electrician to St Bartholomew's Hospital, in an address on the therapeutical application of Electricity, read in the Section of Pharmacology and Therapeutics at the Fifty-Second Annual Meeting of the British Medical Association, said:—

“The results obtained by treatment of the genito-urinary organs by Electricity are among the most satisfactory, and I attribute this to the fact that the whole nervous supply of these organs can be included in the circuit, the centres which preside over them being situated in the lumbar enlargement of the cord.

“In several cases of Hysteria, which have been accompanied by Ammenorrhœa of many months standing, one of the first effects of electrical treatment has been to restore the menstrual function.”

DR. A. DE WATTEVILLE, M.A., M.D., B.SC., Physician in charge of the Electrical Department at St. Mary's Hospital, in a Practical Introduction to Medical Electricity, says:—

“The efficacy of Electrification in Ammenorrhœa of functional origin is now universally recognised.

“It appears to act chiefly by reflex action, *and need not necessarily be applied to the uterus itself.* The method is useful in certain cases of Menorrhagia, whilst nervous Dysmenorrhœa may be relieved and cured.

“I have frequently had the opportunity to observe the beneficial effects of the current on the pains and sense of weariness or discomfort depending upon various ovarian or uterine derangements. Generally speaking, Electricity seems to deserve a much more extensive trial in uterine disorders than it has hitherto had.”

DR. GOLDING BIRD, in his Lectures on the Therapeutical uses of Electricity, delivered before the Royal College of Physicians of London, also says;

“In Electricity we possess the only really direct emmenagogue with which the experience of our profession has furnished us. *I do not think I*

have ever known it fail to excite menstruation where the uterus was capable of performing this function."

DRS. BEARD AND ROCKWELL, in their recent work, "Medical and Surgical use of Electricity," 1881, state, p. 529—

"That the diseases of female sexual organs, for which Electrification has been proved to be of service, are chiefly those of a functional character, as Amenorrhœa, Dysmenorrhœa, Menorrhagia, although some important results have been claimed in Irritation and Inflammation of the ovaries, Chronic Metritis, Enlargements, Displacements, and Atrophy of the Uterus.

"Electrification cures these diseases as much by its permanently tonic effects on the system as by its temporarily stimulating effects on the organs themselves."

DR. J. MARION SIMS, A.B., M.D., late Surgeon to the Women's Hospital, New York, writes :—

"It is now pretty well understood that ELECTRICITY judiciously administered is especially invaluable as an emmenagogue in young women where the menstrual function has not been fully established, in consequence of a torpid state of the vaso-motor nerves of the ovaries and uterus; and it has also proved successful when the catamenia have been lost after labour."

"ELECTROPATHIC" TREATMENT OF DISEASE.

The "Electropathic" treatment of disease was originally inaugurated by MR. C. B. HARNESSE, the founder and President of THE MEDICAL BATTERY COMPANY, LIMITED, Proprietors of the Electropathic and Zander Institute, 52, Oxford Street, London, W., which is the largest and most perfectly appointed Electro-Medical Institution in the world.

Time has now sped on into a second decade since Mr. Harness, after much previous experimentation and patient observation of the action of Electricity applied to the living body in states of disease, became firmly convinced that the medical uses to which this great force of Nature can be put are destined in the future, in an ever widening field, to furnish the almost universal panacea for most of the preventible maladies afflicting human kind, and thereafter devoting his exclusive attention to this distinct branch of Medical science, he has been instrumental in establishing what is, comparatively speaking, a new method of cure upon a practical, popular and unassailable basis. The "Electropathic" treatment embraces in its administrative repertoire carefully elaborated means for skilfully utilising this potent physical agent in many types of disease, and in none is its employment attended with more complete success than those dealt with in this pamphlet, and in this section we propose to demonstrate the specific virtues of "Electropathic" treatment in the feminine maladies before alluded to, which, for

the convenience of the reader, will follow the sequence of the separate chapters in a methodized form.

* * * * *

In AMENORRHŒA the treatment of all cases should be primarily directed to raising the constitutional tone and building up the general health, to enriching the blood, and equalizing its circulation, to improving the digestive and alimentary functions, in the accomplishment of which the tonic stimulative influences of Electricity are absolutely unrivalled. Many of our former patients, whose acute sufferings had resisted all kinds of emmenagogues or forcing medicines resorted to by the Faculty, have been at once relieved, and soon completely cured, by the use of an ELECTROPATHIC BELT of suitable power, which conveys the "continuous" current of electricity in a mild form and an agreeable manner to the lumbar and supra-pubic regions of the body. In conjunction with this Electrical treatment, certain rules as to diet and regimen should be observed, but as these differ according to the plethoric or opposite habit of body of the sufferer, we shall be glad to communicate by letter with any lady who wishes for guidance on these points.

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In DYSMENORRHŒA care should be taken by the patient to avoid the contraction of cold through inadequate clothing or getting the feet wet, as tending to set up inflammation and congestion. The evacuation of the bowels should be kept regular, and the perspiratory functions of the skin encouraged by frequent

tepid baths, afterwards restoring the circulation by friction of the skin with an Electric Flesh Brush. The special value of electricity in removing the abnormal conditions by its stimulative effects is unsurpassed, while its anodyne properties soothe pain, and any woman who is afflicted with this terrible monthly ordeal should wear regularly an ELECTROPATHIC BELT of good power, with such other modifications as the severity of any individual case may require. We have successfully treated many of these cases, and for those of a complicated and obstinate nature a Belt is manufactured with terminals attached to each group of generators, so that, if necessary, a Constant Current Battery can be periodically joined up to increase both the quantity and intensity of the currents, and hasten the cure.

* * * * * *

In MENORRHAGIA proper methods of Electrification speedily exercise a controlling influence upon the excessive flow, and by aiding nutrition, enriching the blood, and imparting increased muscular tone to the uterine system, the menstrual function gradually becomes healthily reinstated. It is not unusual for this disorder to be associated with Leucorrhœa between the intervals of the flow, but this complication can be dealt with by very simple local treatment, which will be explained to those requiring it.

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In CHANGE OF LIFE, with the majority of women, there is a gradual decline in the quantity of the periodic evacuation; such persons are apt to develop

decided tendencies to become stout, or there may be a local deposition of adipose tissue, as to give the subject of it the idea of some internal morbid accumulation. With others it may be an abrupt cessation of the menses, and again there are cases where those large escapes, as in the menorrhagic "floodings," take place. With regard to effectual treatment, the most essential point is to ensure *equalization of the circulation of the blood*, in which mild currents of Electricity continuously applied are of paramount service, and these, together with strict attention to hygienic measures, the use of a dietary which assists the regularity of the bowels, and a judicious avoidance of over-exertion and undue fatigue, will enable women to "cross the rubicon" successfully. During the change of life the foods partaken should be of an unstimulating character, all highly seasoned dishes, spices, curries and the like avoided; the nourishment moderated in quantity, but with some regard to the patients' physique, the thin and anæmic requiring more than those of a full healthy habit.

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In LEUCORRŒA treatment electrically should be as in derangements of the Menstrual Flux, with the special object of a restoration of tone and strength to the body generally, as well as to the tissues affected, which the specific action of electric currents is pre-eminently calculated to impart, and we have known many cases in which Electrification alone applied to the organs of nutrition has arrested the abnormal discharge. With regard to local treatment, cleanli-

ness is of course important, as if the profuse secretions lie for a long time stagnant in the vaginal canal, they become a source of further irritation to the mucous lining of the already inflamed parts. We therefore think it wise, at least in some cases, there should be an injection twice or thrice daily of lotions prepared from safe and properly-authenticated formulæ, which will be found a valuable auxiliary to the electropathic treatment indicated, and ladies may rest assured that this scientific combination will soon accomplish all that is desired in effecting a speedy cure. Each individual case requires to be specially treated according to the nature of the symptoms, and if these are confidentially described we shall be glad to give any patient the benefit of our advice (either personally or by letter) which will be founded upon considerable experience in the successful treatment of this disorder. As regards diet, this should be simple and nutritious, all spices, stimulants, and condiments should be rigidly avoided, and the patient should have change of air, with cheerful society and surroundings.

* * * * *

In CHLOROSIS treatment should be directed to exciting the torpor of the secretions of the liver, stomach, bowels, and uterus, and imparting energetic action to the whole series of organic processes, in which respect the influence of Electricity is unique. An ELECTROPATHIC BELT, specially constructed to have combined and simultaneous effects upon the various organs, speedily removes the causes of the disease and imparts a healthy tone to the body, which

is permanently maintained. Physical exercise out of doors should be encouraged, and all influences calculated to produce nervous excitation, or to powerfully affect the emotions, should be sedulously avoided.

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IN PROLAPSUS UTERI the cardinal mistake as to treatment of Prolapsus of the womb is the fallacy that it is a *local* disease requiring only local treatment, whereas the first aim should be to increase constitutional strength, so that the ligaments and surrounding tissue which hold the organ in position may be endowed with greater muscular tone and power. While this rational treatment is in progress—and we would here warn ladies that cure can only be gradually accomplished—the womb will be steadily drawn into its normal position by a cohesive process, and its natural location healthily maintained. To those acquainted with the marvellous stimulative, tonic, and strengthening influences which Electricity exerts upon the human frame, it is obvious that in the near future Electrification is destined to occupy a much more prominent position in removing the cause of many derangements which are contributory to what is known as “female weakness.” When we are consulted on this matter we always recommend an ELECTROPATHIC “ABDOMINAL” BELT of good electrical strength and special construction to be worn, *the appliance being made to fit easily at the waist* and having a supporting strap passing round the lower portion of the hips and abdomen, the adjustment of which can be easily regu-

lated by the patient herself. This form of appliance serves a two-fold purpose, it has undeniable curative influences and is so constructed as to prevent pressure from the organs situate immediately above the uterus, while at the same time *it affords agreeable and effective support where most needed.* The patient should sleep on a hard mattress, take frequent cold baths and outdoor exercise, eat nutritious food that is easy of digestion, keep the bowels regular, and avoid standing for any length of time, and by following these hints, in conjunction with the Electropathic treatment suggested, she will, in the course of time, be completely restored to health.

In the more serious cases of actual procidentia, the use of an ELECTROPATHIC ABDOMINAL BELT should be combined with that of the NATURAL UTERINE SUPPORTER (see page 75) constitutes mechanical and curative treatment which is sure to be successful, as the mild continuous currents impart internal tone and strength to the relaxed ligaments, while the Natural Uterine Supporter is the only appliance of the kind which gives the needful support without causing irritation and weakness, as it can be dispensed with on retiring to rest, when, in recumbency, it is not required.

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In HYSTERIA the suggestions we shall offer on this head as to treatment, will be largely based upon the familiar maxim that "prevention is better than cure." In the earlier indications of the malady much can be done to arrest its progress, by improving the nervous system, and in this respect the use of Electri-

city ranks highest of all known therapeutic agents. No drug has yet been discovered that exercises any specific action upon the disease. Speaking first of the young, when anxious mothers observe in the habits and demeanour of their growing-up daughters any of the earlier symptoms of Hysteric tendencies before alluded to, the mild stimulative action of suitable Electropathic appliances, combined with right food, proper exercise, sufficient sleep, change of scene, and interesting the patient in any kind of useful work, will suffice to stop the mischief. The appliances we have found most effectual in such cases are an ELECTROPATHIC WAIST BELT and SPINE BAND of medium power, a combination including in the circuit of the currents the entire spinal tract and chief nerve-centres, which are then under the stimulative and soothing influence exerted by a constant supply of electricity which emanates from chemical action.

The more pronounced and chronic forms of Hysteric disturbance of later life will, in addition to the Electropathic appliances and hygienic measures suggested, require more powerful treatment by Battery currents, as in all cases of recurrent Hysteria there is great prostration from the enormous expenditure of the energy of the brain, and exhaustion of nervous force. The necessities of each case must be judged by the peculiar and varying symptoms it presents, these latter should be fully stated, when the sufferer can rely upon being placed under proper Electropathic Treatment that is above all things calculated to effect a complete cure.

INVITATION to PATIENTS.

In the "Electropathic" treatment of the disorders peculiar to women, definite and reliable methods of cure have been established and in successful operation at the Electropathic and Zander Institute for many years, and our Consulting Officers having had exceptional opportunities of studying the various physical, nervous, and mental disturbances such diseases present, the practical course for patients suffering from any of them is to seek experienced advice as to the precise nature of the treatment it is necessary to employ. CONSULTATIONS ARE FREE, and those suffering who can make a personal call may rely upon the experience of our Consulting Officers being placed at their disposal. Such as reside at too great a distance to render an interview practicable should answer the questions tabulated in the Consultation Form at the end of this pamphlet, supplementing any further statement of the leading symptoms which will assist accuracy of diagnosis; the case can then be satisfactorily dealt with by correspondence, A LETTER OF ADVICE being forwarded to the patient FREE OF CHARGE, and all ladies who consult us, either personally or through the post, respecting the proper measures to be adopted for the restoration of their health, may implicitly rely upon all interviews and

letters being regarded STRICTLY PRIVATE AND CONFIDENTIAL, and under no circumstances is any patient's name alluded to without authority.

In most cases an Electropathic Belt of suitable power, which conveys a series of mild currents to the lumbar and abdominal regions, is of great service in keeping up a continual supply of mild electrification that is constantly operating with a tonic, stimulative, and invigorating action, and is invaluable in removing the causes of obstruction to the circulation, in relieving pain, in imparting internal strength, and in changing any existing morbid condition of the nerves controlling the uterine functions. In others, where the state of the great nerve centres and the sympathetic nervous system is unfavourably affected, the supplementary extension of the mild currents to the whole of the spinal cord, by use of a Spine Band to be worn over the upper portion of the back, is a valuable aid in effecting a cure.

In the necessarily limited scope of this Pamphlet it is impossible to give the independent testimony of past sufferers at any great length, but the following reprints of letters selected from vast numbers that have from time to time been received, speak volumes for the happy results achieved by the Electropathic treatment, results which are as gratifying to us as to the patients who have been under our care.

(ABRIDGED.)

MR. C. B. HARNESS'
SYSTEM OF ELECTRO-MASSAGE,
 A METHOD OF CURE
 COMBINING ELECTROPATHIC TREATMENT
 WITH
 MASSAGE MANIPULATIONS.

THE MEDICAL BATTERY COMPANY, LIMITED, have a special department at their Electropathic and Zander Institute, 52, Oxford Street, London, W., for the treatment of PARALYSIS, HYSTERIA, RHEUMATISM, GOUT, NEURASTHENIA, SPINAL COMPLAINTS, CONSTIPATION, CORPULENCE, and other diseases, by Electrification, combined with Massage, under the charge of their Officers, who have had a long and varied experience in Hydro-therapeutics, Electricity and Massage, and the staff of Masseurs and Electricians who act under their direction all hold Certificates of proficiency, and possess the technical knowledge and manipulative dexterity requisite for the responsible positions they fill. At the head of the ladies' department is a skilful and experienced Masseuse (who has had the highest scientific training, and is the holder of several Special Certificates), and ladies may rely upon each individual case receiving scrupulous care and attention. The installation of Electrical Machines and Batteries contains the most recently perfected and approved instruments for administering in variations

THE MEDICAL BATTERY COMPANY, LIMITED,

of quantity and intensity Galvanic, Faradic, and Static Electricity (Franklinisation), in degrees of power sufficient for all curative purposes. In making this announcement, the Directors of the MEDICAL BATTERY COMPANY feel they have met a wide-spread professional and general want ; they have specially fitted-up suites of rooms exclusively for this treatment, the arrangements of which are replete with every appointment conducive to the comfort of patients, who can now be received.

MASSAGE is a highly scientific mode of curing disease by methods of systematic muscular manipulation, and giving in a vicarious way exercise to patients who cannot, or will not, take it themselves. It is also a well-established fact that its efficacy is, in no small degree, aided by the stimulative, tonic, sedative, and alterative action of the Galvanic, Faradic, or Franklinic currents of Electricity, and it is therefore from ELECTRO-MASSAGE that by far the most astounding and speedy curative results are obtained in many forms of disease, and especially in such that have not responded to long-tried medicinal remedies.

Stated briefly, ELECTRO-MASSAGE accomplishes the following physical effects :—

1. It accelerates the flow of lymph, and promotes absorption by the lymphatics.
2. It causes a better circulation, and rids the blood of effete matter and specific poisons as prevalent in RHEUMATISM AND GOUT, and increases its vital properties, which are deficient in ANÆMIA.

3. It imparts tone to the Nerves, and is of incomparable value in NEURASTHENIA (BRAIN AND NERVE EXHAUSTION), HYSTERIA, NEURALGIA, SCIATICA, and all disorders of the Nervous system.

4. It increases the intestinal secretions, assists digestion and assimilation, and by giving tone to the muscular coats of the bowels, aids their peristaltic action. It is of the greatest service in removing CONSTIPATION, identified with CORPULENCE, from inability to take sufficient exercise.

5. It will re-establish the electrical contractility of the muscles as absent in some forms of PARALYSIS and kindred diseases.

6. It facilitates the removal of waste products from the system, relieves nerve pains, restores muscular power, and improves the nutrition of the whole body.

To whatever parts of the body the stimulus of Massage is applied there is an afflux of the blood supply, and likewise an increase of nervous energy, by which means vessels in a state of atony are roused into action, and circulation thereby promoted.

In Nervous Disorders generally, and more particularly in such as have been found of an intractable and aggravated character, administrations of Static Electricity (Franklinisation) in conjunction with properly-directed Massage—the physiological action of which has been fully explained—may be regarded as an undoubted specific. From the exquisitely perfected Statical Machines in use at the Electropathic and Zander Institute, the patient, seated on an insulated

chair, without the trouble of undressing, and placed in direct communication with the machine, is thus made to receive what is termed an electrical dry bath, from a gentle stream of Electricity which, in an agreeable manner, silently penetrates every tissue of the body, without the slightest shock, the only perceptible effect being a pleasant sensation as the subtle influence virtually saturates the entire organism, and such combined treatment, even in the most obscure and rebellious cases, is an almost infallible means of arresting degeneration of nerve substance, and renewing exhausted nerve power.

Mr. C. B. HARNESSE, the President, or the Consulting Officers of the Medical Battery Company, Limited, will be happy to receive any lady or gentleman desirous of consulting them, and full information as to the facilities and terms for Electro-Massage treatment will be furnished on application.



An illustrated publication explanatory of
ELECTRO-MASSAGE TREATMENT,
and of the
ZANDER MECHANICAL EXERCISES,
will be forwarded, post free, to anyone
desiring it.

TESTIMONIALS.

THE attention of LADIES is directed to the following HIGHLY SATISFACTORY CASES, which are worthy of the closest investigation by all who suffer from these distressing Irregularities.

These are PRIVATE TESTIMONIALS, and must be regarded as STRICTLY CONFIDENTIAL.

CHANGE OF LIFE.

From Mrs. —, Coast Guard Station, co. Mayo, Ireland.
 “Gentlemen, January, 3rd, 1887.

“I wish to bring under your notice that three years ago I adopted your Electropathic treatment, wearing Harness’ No. 3 power Electropathic Belt, Spine Band, and Lung Invigorator. I am much better since wearing these appliances, *in fact I believe they have been the means of prolonging my life*, and I am grateful to you for your kind attention to my case. After wearing these appliances for about four months, I brought off a Polypus, and in consequence of this illness, the womb became displaced. The Doctor I called in gave me an instrument to wear, but I found it impossible to do so as it gave me great pain and did not keep the organ in place at all. From the sketch you have sent me I am sure your NATURAL UTERINE SUPPORTER is precisely what I require, and I shall be glad if you will forward me one. You are at liberty to make use of this letter if you think proper to do so. Please do not publish my name, but if any Lady wishes to know further particulars concerning my case you can give my address, and I will answer any questions that may be asked.

“Yours respectfully, M. J. W.

“THE MEDICAL BATTERY CO., LTD.,
 “52, Oxford Street, London, W.”

IRREGULARITY AND INTERNAL WEAKNESS.

From Miss —, "Princess Mary" Homes, Addlestone, Surrey.

"Dear Sirs, "October 30th, 1886.

"I ought to have acknowledged some time ago the receipt of Harness' Electropathic Belt, but having delayed so long I can now add the gratifying intelligence that in my case the effect produced by wearing it has been perfectly wonderful; *it seems to give more life*, and up to the present time I have been free from those distressing headaches caused by over fatigue; besides that, in place of the depressed and languid feeling that I used to have, I now feel cheerful and ready to enter upon each day's duties with pleasure. Should this letter be of any use to show to others as a proof of the great benefit do be derived from your Electropathic Belt, I hope you will make use of it.

"TO THE MEDICAL BATTERY, CO., LTD.,
"52, Oxford Street, London, W."

MENSTRUAL IRREGULARITY.

"43, Nailour Street, Caledonian Road, Islington, London, N.

"December 25th, 1885.

"Dear Sirs,

"I am very glad to report most favourably of the extraordinary result of wearing the Electropathic Battery Belt I had of you in July last. You will probably remember the nature of my case, which was one of extreme debility and exhaustion, accompanied at times by painful hysteria, consequent upon defective circulation and periodic irregularity. I had been under the most skilful medical treatment that could be obtained for so long without getting even relief, that I had given up all hope of ever being well again. Fortunately, I heard of your Electropathic method, and I am so glad I took your advice to try the Belt, for before a

month had elapsed, the hysterical symptoms, which had been so distressing, disappeared, the circulation of the blood was improved, I gradually gained strength, and now I feel better than I have done ever since I was a girl. Mine is such a remarkable recovery, and I have such unbounded faith in the means by which it was at last accomplished, that I shall be quite willing for you to make my experience known. I should not like any one to continue to suffer as I did when relief was within reach ; and if any lady wishes for further particulars of my case I shall be pleased to correspond with her.

“Yours truly,

(MRS.) “J. HAWKEY.

“TO THE MEDICAL BATTERY CO.,

“52, Oxford Street, London, W.”

NERVOUS EXHAUSTION.

From Miss ELEANOR BARKER, 60, Clough Road, Sheffield.

“July 29th, 1885.

“Gentlemen,

“It is with feelings of the deepest gratitude that I tell you that the Electropathic appliances I procured, according to recommendation, have been the means of restoring me to my original health and strength. The languor which so distressed me and made life a burden has quite gone ; the constipation which had for some years been my greatest difficulty has quite disappeared. Make whatever use you like of this letter. It is quite unsolicited on your part, but I could not help writing it, as I should like every sufferer who is likely to benefit from Electricity to be made acquainted with its marvellous effects. I will show your book to all whom it may concern, and will always recommend your treatment. With many thanks for your kindness, and wishing you success,

“Yours truly,

“ELEANOR BARKER.

“THE MEDICAL BATTERY CO., Limited,

“52, Oxford Street, London, W.”

INTERNAL WEAKNESS.

From Miss CLARK, Stisted, Braintree, Essex.
 "Gentlemen, "November 22nd, 1885.

"I purchased one of your Electropathic Belts for my mother the beginning of last August. She has worn it constantly since then, and has found great benefit; in fact, she is a different woman. I have recommended it to several of my friends, and shall still continue to do so. "Yours truly,

"THE MEDICAL BATTERY CO., "JANET CLARK.
 "52, Oxford Street, London, W."

DYSMENORRHŒA, INDIGESTION AND SICK-HEADACHE.

From Mrs. P—, George Town, Jersey.
 "Dear Sir, "June 19th, 1886.

"Yes, you are quite at liberty to refer to my case in any way so long as my name is not published, my husband would object to that. The Electropathic Belt has completely cured me of Indigestion and violent Sick-Headaches I had suffered from for many years, for which I had tried many remedies in vain. The Belt also removed the pains in the back and kidneys, and greatly relieved my suffering at the menstrual period. I have been attentively reading the little work you sent me on Electrification, as a remedy for the diseases of women, I find at page 21 what seems to be my case, the Congestive form of Dysmenorrhœa, every month the menses come on for a day or two and then they stop. I then feel unfit for any exertion, and walking is difficult. In your treatment you say that for obstinate cases a Belt with terminals is best, so that from a Battery the stimulative currents may be used to increase the influence upon the Uterus. This would help me, for I believe most of my troubles arise from want of tone in the Uterine system and general debility.

I have been asked for one or two of your little books. I have distributed the others, and trust you will soon hear from a lady to whom I have recommended your treatment.

“TO Mr. HARNESS,
 “MEDICAL BATTERY COMPANY,
 “52, Oxford Street, London, W.”

INTERNAL WEAKNESS.

From Miss M. HUDSON, Twyford, Derby.

“C. B. HARNESS, Esq., “October 26th, 1885.

“Dear Sir,

“Some months ago I purchased one of your Electropathic Belts. I need not describe the symptoms here, but refer to my letter of June 17th, 1885, No. 3,144. I have worn the Belt every day since that date; *it has been an untold comfort to me. I would not be without one*, and cannot say enough in favour of your Belts; all I regret is they are not better known. *I shall be glad to write to any lady who may wish to hear more particulars respecting my case*, and shall certainly recommend your appliances to my friends.

“Yours truly,

“THE MEDICAL BATTERY CO., “M. HUDSON.
 52, Oxford Street, London, W.”

PAIN IN BACK AND HIPS.

From Mrs. AMELIA DUDMAN, Eashing, Godalming, Surrey.

“Dear Sir,

“November 26th, 1885.

“I have delayed writing to you before because I wished to see whether the benefit I at first derived from your Electropathic Belt would continue. I am pleased to say it does. I have worn the Belt every day since I received it, and can assure you it has done me a great deal of good. I can now walk about comfortably, and get upright, which I have not been able to do for months together, and also

perform all my duties without pain ; and I eat and sleep well. My general health was very bad, but I feel quite a new woman since wearing your Electropathic Belt ; it is very comfortable, and gives me such great satisfaction, that I am recommending it to my friends, and you are quite at liberty to use this testimony if you think well.

“ I am, yours respectfully,

“ Mr. C. B. HARNESS, “ AMELIA DUDMAN.
“ 52, Oxford Street, London, W.”

OVARIAN NEURALGIA.

From Mrs. G. TWEEDY, 6, Eveswell Terrace,
Maindee, near Newport, Mon.

“ Sir, “ May 26th, 1886.

“ I have much pleasure in stating that I have received great benefit from the Electropathic Battery Belt you supplied me with. I must tell you my complaint was a very severe pain and burning on my right side, and frequently extended around my hip and across my back. I had it more or less for six years—my medical man said I suffered with neuralgia of the ovaries—be that as it may, I must say I have found considerable benefit from wearing your Electropathic Belt, and would recommend it strongly to any persons similarly situated. Thanking you for kind enquiries,

“ I am, yours respectfully,

“ Mr. C. B. HARNESS, (MRS.) “ G. TWEEDY.
“ 52, Oxford Street, London, W.”

CHANGE OF LIFE.

From Mr. A. E. JEFFERIES, 2, Fernham Terrace,
Paignton, Devon.

“ Dear Sirs,

“ Having purchased one of your Electropathic Belts for my wife, I am happy to tell you it has given every satisfaction, she has been greatly benefited by

its use. You will probably remember the case (we were living at Polsham Road when the Belt was procured), but I may say it was about the turn of life with her and she had severe pains constantly in her back and right side, which have now entirely disappeared. Mrs. Jefferies has, in fact, received the greatest possible benefit from the Electropathic Belt, and will always be pleased to recommend your appliances.

“Yours truly,

“A. E. JEFFERIES.

“THE MEDICAL BATTERY CO.,

“52, Oxford Street, London, W.”

PERIODIC IRREGULARITIES.

From Mrs. E. SOWERBY, Adlington, Macclesfield.

“Gentlemen,

“July 16th, 1886.

“It is with feelings of gratitude I write to tell you the benefit I have derived from wearing your Electropathic Belt. The palpitation of the heart, nervousness and languour quickly disappeared. The severe indigestion and sleeplessness are quite gone. I am feeling stronger and better in health than I have been for years, and I hope it may encourage other sufferers to give your appliances a trial. I shall certainly recommend them to my friends.

“I am, yours truly,

(MRS.) “E. SOWERBY.

“THE MEDICAL BATTERY CO.,

“52, Oxford Street, London, W.”

HYSTERIA AND DEBILITY.

From Mrs. ELIZABETH PRENTICE, c/o Miss Macdonald,
62, Mount St., New City Rd., Glasgow.

“October 11th, 1886.

“Dear Sir,

“I am greatly indebted to you for your kindness and attention in my case, and after careful study of your little book I may say it depicts many of my symptoms.

The Doctor of the Infirmary treated me for Anæmia and poorness of the blood, caused by a debilitated constitution, and I may say most of the other complaints your book refers to have followed more or less. *I am proud to be able to say your ELECTROPATHIC BELT has been of great service, and has acted as a charm in relieving the Hysteria and soothing the nervous system in a manner medicines never did.* Mine was a case that sometimes baffled even myself to know exactly what was the cause of my sufferings, but the relief I have obtained has been the wearing of your Belt. I shall be happy to make your treatment known among my friends.

“Yours truly,

“ELIZABETH PRENTICE.

“To Mr. C. B. HARNESS,

“52, Oxford Street, London, W.”

MENORRHAGIA, LEUCORRHŒA AND UTERINE NEURALGIA.

From Mrs. BURBIDGE, 181, Somers Road, Southsea.

“Nov. 22nd, 1886.

“I am happy to inform you that the No. 3 power HARNESS' ELECTROPATHIC BELT I procured according to your recommendation has been the means of restoring me to much better health than I enjoyed for years. The languor which so distressed me and made life a burden has quite gone, the constipation which had for some years been my greatest difficulty has also disappeared, and the bilious attacks and headaches have also entirely ceased. My general health is now good, I have gradually gained strength daily, and it is with feelings of the deepest gratitude I tell you this, as you will no doubt remember my case had been of very long standing.

“Yours respectfully,

“MATILDA BURBIDGE.

“THE MEDICAL BATTERY CO., LD.,

“52, Oxford Street, London, W.”

MENSTRUAL IRREGULARITY. (Neuralgic Dysmenorrhœa).

12, Broad Street, Stamford,

"Dear Sir,

"May 24th, 1888.

"I am staying at Grimsthorpe Park for a few days, but I feel I cannot delay writing to acquaint you of the satisfactory result of wearing your Electropathic Belt. I have just *gone through the periods without a minute's pain*, which is indeed extraordinary.

"I am exultant with the benefit I have derived from Electropathy. My nerves are very much stronger, and I am in every respect better. I would most emphatically advise all who suffer from Dysmenorrhœa to wear an Electropathic Belt. I feel inexpressibly thankful that I was recommended to consult you, and I am also very grateful for your kind and prompt attention to my case. You may make whatever use of this letter you like, providing you use my initials only. I will write to anyone privately should they wish me to confirm this testimonial. I have not put my present address, as I shall return home on Monday next. "Yours truly,

(MISS) "E—— M—— B——.

"To C. B. HARNESS, ESQ.,

"52, Oxford Street, London, W."

DYSMENORRHŒA, DYSPEPSIA AND CORPULENCE.

"Palacio de Villamanrique,

"Provincia de Sevilla, Spain,

"Dear Sir,

"February 1st, 1890.

"I return the form filled up with report upon my case, and am glad to say that your advice has certainly benefited me, for I am thankful to tell you that I have experienced much good from wearing the Electropathic Belt procured in November last, as I now seldom suffer from headaches which were formerly very frequent with me, and the symptoms connected with pain at the periods and flatulence

have disappeared; I am certainly better in every way, and free from the feelings of lassitude and fatigue, and experience a general sensation of restored vigour. The increasing corpulence has also been checked, and to assist in this I have observed your diet table as much as I have been able. I am at present travelling with my family in Spain, but when I return to England at the end of April, I shall certainly do myself the pleasure of calling upon you.

“Yours very faithfully,

(MISS) “EMILY INMAN.

“TO C. B. HARNESS, ESQ., President,
“52, Oxford Street, London, W.”

INDIGESTION, PYROSIS AND LEUCORRHŒA.

“Dear Sir,

“Great Yarmouth.

“In answer to your kind enquiries respecting the Electropathic Belt, I am glad to say that since purchasing it I have entirely discarded all other means, and the gratifying result is that the Indigestion has quite disappeared. I am considerably stronger, the Leucorrhœa is much better, also the pain in the side, I have been intending to write to you, and am glad that you have given me the opportunity of now saying that I can testify to your valuable appliance having done me much good up to the present, and gratefully do I acknowledge this.

“Faithfully yours,

“C. B. HARNESS, ESQ., (MRS.) “E—— W——.
“52, Oxford Street, London, W.”

PROLAPSUS UTERI.

“The Rectory, Houghton-le-Spring,

“Dear Sir,

“June 2nd, 1888.

“I have very much pleasure in informing you that from your Electropathic treatment upon which I have relied entirely for the last six months, my health has

decidedly improved. I was so weak and low when I commenced to wear your Electropathic appliances, but as time went on, each week left me brighter and better, and I am now much stronger in every way. I am thoroughly satisfied with the Electropathic Belt and Natural Uterine Supporter. I have found them all that I could wish for in this terrible complaint, and I shall be very glad indeed to speak in their favour to any lady who might wish to know about their merits. I have not felt anything unpleasant or inconvenient, but on the contrary, have experienced much comfort and support from them.

“Yours sincerely,

(MRS.) “E. SANDERSON.

“TO C. B. HARNESS, ESQ.,

“54, Oxford Street, London, W.”

“Eastmore, Wakefield,

“Sir,

“January 10th, 1890.

“In answer to yours, enquiring as to the result of my wife’s Electropathic treatment, I am glad to say that it has given satisfaction. She says she would not be without the Abdominal Belt and Natural Uterine Supporter for ten times the cost, and you are at liberty to make what use of this testimonial you think proper.

“Yours truly,

“TO C. B. HARNESS, ESQ.,

HENRY DRAKE.

“52, Oxford Street, London, W.”

“Southover Hall, Burwash, Sussex,

“Dear Sir,

“10th February, 1890.

“About twelve months ago I purchased one of your Electropathic Belts and a Natural Uterine Supporter, and I have much pleasure in informing you that I have derived very great benefit from them. Unfortunately a few days ago I had the misfortune to tread on the stem and crush the cup, now I cannot

wear them I know the value of the Supporter. I have to-day been for a walk and found great difficulty in doing so through falling of the womb. Would you kindly inform me what the cost of a new stem would be, and you will greatly oblige,

“Yours faithfully,
(MRS.) “M——

“TO C. B. HARNESS, ESQ., President,
“52, Oxford Street, London, W.”

“Shanmullah, Trillick, Co. Tyrone,

“Dear Sir,

“May 5th, 1890.

“Last December (1889) I procured one of your Natural Uterine Supporters, which is of great benefit. There is no irritation since I have worn it, as was the case with other “Supports,” and it answers its purpose well. I have not been to the Doctor since I got it.

“Yours faithfully,

(MRS.) “A. J. H. ALEXANDER.

“TO C. B. HARNESS, ESQ.,
“52, Oxford Street, London, W.”

“Sir,

“6, Albert Terrace, Ventnor, I.W.

“I should have answered yours before, but I wanted to give the Electropathic Abdominal Belt a fair trial. I strongly recommend it to all ladies during pregnancy if at all weak, or especially if subject to any form of displacement, as by wearing it and being careful, they will find great support and relief, and regain strength. My appetite is good; I have no pains now, and you may make what use of this testimony you think proper.

“Yours truly,

(MRS.) “BARBARA URRY.

“TO C. B. HARNESS, ESQ., President,
“52, Oxford Street, London, W.”

NEURALGIC HEADACHE.

“Woodview, Westbury-on-Trym, Bristol,
“Dear Sir, January 29th, 1890.
“I have much pleasure in testifying to the great benefit I have derived from the use of an Electropathic Belt. I had suffered intensely from Neuralgic Headache, but since wearing your appliance, purchased October, 1889, I have experienced marked relief. You are welcome to make use of this letter as a true and unexaggerated account of what your wonderful appliance has done for me.

“Yours very sincerely,

(Miss) “A. EVANS.

“To C. B. HARNES, ESQ., President,
“52, Oxford Street, London, W.”

COLIC AND DEBILITY.

“129, Merstham Road, near Redhill,
“Dear Sir, February 12th, 1890.
“I feel it my duty to write and thank you for the great benefit I have derived since wearing your Electropathic Belt. I am decidedly better and stronger. It is just a fortnight I have worn it, and am truly thankful to say I have not had one bad attack of pain. You will remember by my letter that I was never free from pain, and to walk a little way one day I would be laid up the next, that really your Belt is most wonderful, it is so delightful to be able to get about and do my own work without pain, it makes me feel I must sing all day. I shall make your Appliances known wherever I am. Allow me to thank you once more for your kindness in connection with my case, it is indeed a great blessing, and I would just say my nerves are stronger, and I am in better spirits altogether.

“Yours very gratefully,

(Miss) “H. E. COWIE.

“To C. B. HARNES, ESQ., President,
“52, Oxford Street, London, W.”

GENERAL DEBILITY.

"14, Cedars Road, Clapham Common, S.W.,

"Dear Sir,

"May 3, 1890.

"I have been waiting a few weeks before writing to you to see what success the new Electropathic Appliances might have. I am glad to be able to report that since I have worn them I have been able to discard all the bottles and boxes which have made life, and my dressing table, hideous for so long. Needless to say, therefore, how exceedingly pleased I am with the result. With many thanks for your successful treatment,

"Yours sincerely,

(Miss) "EVELYN CAREW HUNT.

"To C. H. HARNESS, ESQ.,

"52, Oxford Street, London, W."

UMBILICAL RUPTURE.

"Shawford, near Winchester,

"Dear Sir,

"August 29th, 1890.

"You will recollect that in April last you supplied me with an Electropathic Abdominal Belt fitted with an Umbilical Pad for support for a rupture of the navel, and I am glad to inform you that I felt better as soon as I commenced to wear it, and without having recourse to any other treatment, the rupture now seems to be quite cured. I can digest my food better, and can eat almost anything without causing the pain I used to experience before wearing the Belt, when I was obliged to take medicine about every third day. The appliance is exceedingly comfortable, and I return you many thanks for the benefit obtained.

"Yours truly,

(Mrs.) "E. UNSWORTH.

"To C. B. HARNESS, ESQ., President,

"52, Oxford Street, London, W."

INTERNAL WEAKNESS AND LEUCORRHŒA.

"Messina, Sicily,

"August 25th, 1890.

"Dear Sir,

"You have already so many valuable Testimonials that I am sure you require no more. I feel bound, however, by a deep sense of gratitude to write and tell you that I can never thank you sufficiently for the immense benefit I experience in wearing your wonderful Electropathic Belt and Spine Band. It is now nearly two months since I have worn them, and I really feel quite a different person, so much so, that it seems quite incredible to me how anything could have worked such wonders after years of ill-health. It is needless to add that I shall do my very best to recommend your Electropathic Appliances to every one of my friends whom I think may be in need of them. Make what use you please of my letter. I must now also tell you that I have derived very, very great benefit from the Medicated Lotion, and I am only sorry I do not know you personally so as to be better able to express my gratitude. If ever I come to London, which I hope may be some day soon, I shall certainly try to see you, and thank you over and over again. If you should ever pay a visit to the Mediterranean and land on this island, I hope you will let me know. At the present moment we are suffering very intense heat which makes one perspire continuously and profusely. I fervently hope that this may not affect in any way the Belt's action by lessening its effects in the least, so great is my joy at having found my long lost strength, that I am in continual apprehension lest anything should come to destroy it. Please to accept my best regards and repeated thanks.

"Very sincerely and gratefully yours,
(Mrs.) "ANNIE MARANGOLO.

"To C. B. HARNESS, ESQ.,
"52, Oxford Street, London, W."

ACUTE NEURALGIA.

“ Jersey Villa, 47, Patshull Road,
“ Camden Road, London, N.W.

“ Dear Mr. Harness,

“ Knowing the dreadful sufferer my mother has been for twenty-three years from Acute Neuralgia, I feel sure you will be gratified to hear that since wearing the Spine Band and using the Battery she is almost quite cured. All the doctors told her she must look upon her complaint as chronic, for it was of too long standing to be cured, but in one week after coming to you she was better, and has steadily improved ever since. She now looks ten years younger and her health is perfect. What makes the cure more wonderful is that she is 70 years of age. I enclose my full address, and shall be only too pleased to see or send a testimonial to anyone, and I beg you to feel at liberty to show my letter and give my name and full address. Mrs. Brooks, the other lady I brought to see the Physician, has decided to try your treatment, and I only hope she may be as quickly benefited as my mother. Thanking you also for your kind attention to her case,

“ I remain, yours very truly,

“ GERTRUDE CAMBRIDGE.

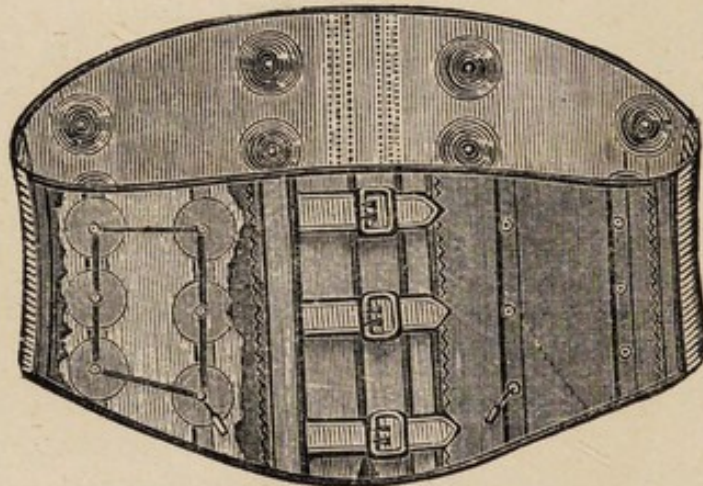
“ To C. B. HARNESS, ESQ., President,
“ 52, Oxford Street, London, W.”

HARNESSES' ELECTROPATHIC BATTERY BELTS And CURATIVE APPLIANCES.

REGISTERED TRADE MARK:
"ELECTROPATHIC."

THE accompanying diagrams are illustrations of some of the methods by which Electricity, in mild currents, can be directed to various parts of the body for curative purposes. The principle upon which they are constructed is an improvement upon the "galvanic couple." The appliances shown upon this and the opposite page are those in universal use, but they do not all necessarily take the form of Waist Belts, as the principal can be adapted by speciality in manufacture to any part of the body to which remedial application is required. The sketch shown below is of a

GENTLEMAN'S BELT,

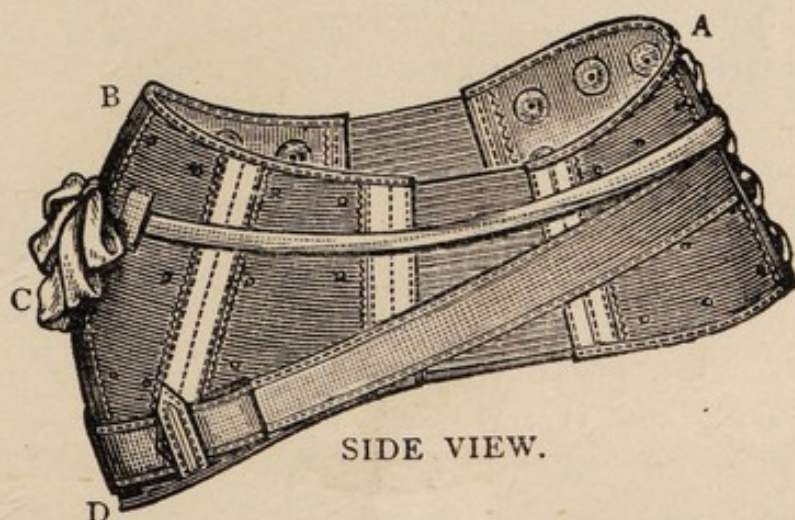


which, when worn next to the skin, is of itself a generator of a series of currents of a mild character sustained in continuous operation. It is simple in construction, comfortable to wear, and a valuable therapeutical adoption of Electricity. The Belt thus worn derives its exciting agency from the exudations of the skin, but in the diagram a section of the discs is displayed showing that these appliances are constructed with terminal attachments to which the poles of an extraneous Battery can be connected with conducting wires, thus making them the medium of transmitting to the body powerful currents, either "constant" or "induced," of greater quantity or higher tension as may be desired.

The Electropathic Belt comprises the perfection of the methods adapted by the celebrated Professor A. Humbolt and Dr. Burq, and in every case where doctors usually prescribe a course of hydropathy, one of these genuine Electric appliances may be substituted with advantage. Acting, as they do, upon important organs of the body, they rarely fail to alleviate most of the disorders resulting from impaired vitality, weak circulation, local or general debility, or defective organic action.

LADIES' ABDOMINAL ELECTROPATHIC BELT

This will be found a source of great comfort, support, and strength to ladies inclined to *embonpoint*. It contains more elaborate workmanship than the ordinary Belt, it has therefore been found necessary to charge 5s. extra for Abdominal Electropathic Belts.



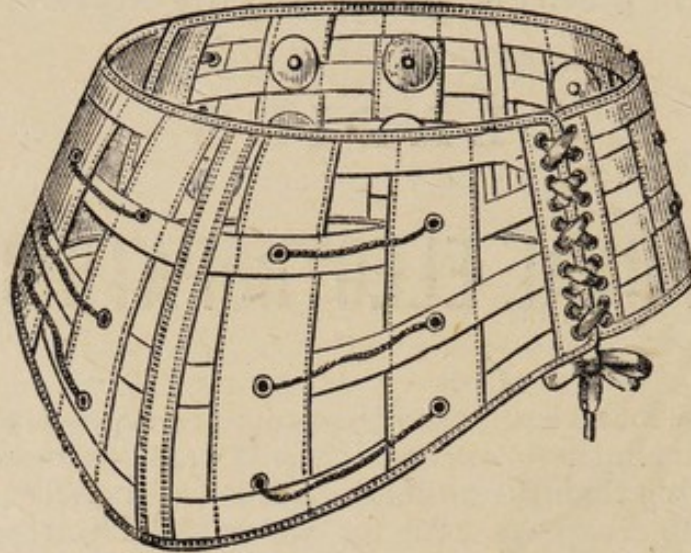
SIDE VIEW.

some, do not interfere with the figure or cut of the dress, and from external appearances, it is not apparent that an appliance imparting a curative influence to the body is being used, and when they have achieved the remedial purpose for which they are worn, they may safely be dispensed with.

Instructions for Self-Measurement : Ladies are requested to give measurements for this appliance *round* the body from the point A to B, A to C, and A to D, depth of abdomen from B to D.

THE LADIES' SPECIAL ELECTROPATHIC BELT.

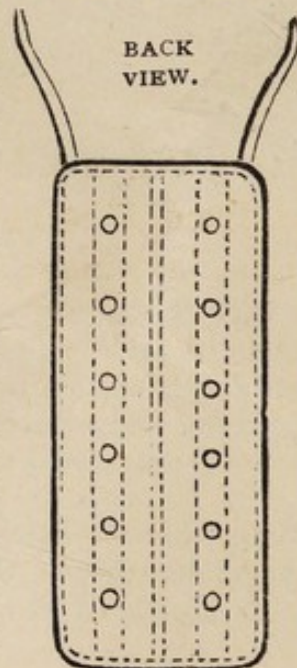
Mr. Harness has designed an Electropathic Belt, as shewn below, for Summer weather and hot climates, weighing only five to eight ounces, which is extremely light and comfortable. This appliance, while affording great support to the figure, makes no appreciable addition to the clothing.



THE LADIES' SPECIAL ELECTROPATHIC BELT has been constructed on the same principle as the ordinary belt, but the galvanic discs and connecting wires are attached to a skeleton belt, the whole apparatus not weighing more than five to eight ounces.

HARNESSES' ELECTROPATHIC SPINE BANDS

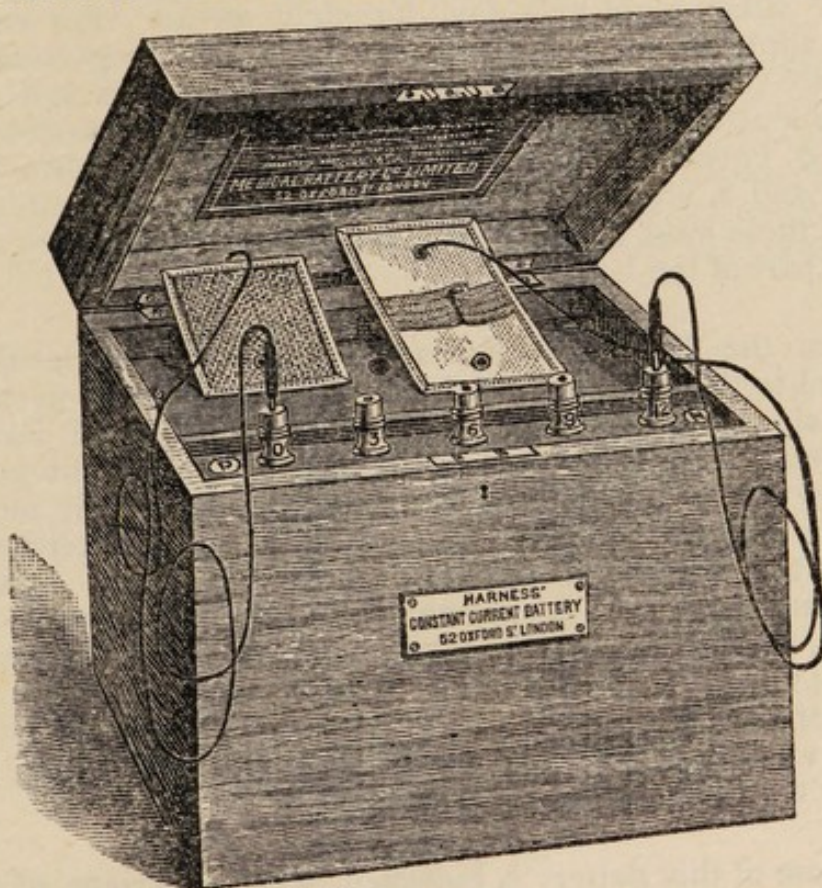
This is a valuable adjunct to the Waist Belt, and is recommended in cases of NERVOUS DEPRESSION, SLEEPLESSNESS, and the various derangements consequent on LOSS OF NERVE POWER, where application of the currents to the upper



portion of the spine is of great importance.

It should be worn with the discs next the skin, and suspended from the back of the neck by the tapes attached to the top portion, which will keep the appliance in its proper position.

HARNNESS'
MEDICAL
CONSTANT CURRENT BATTERIES,
PRODUCING A
MILD CONTINUOUS CURRENT of **ELECTRICITY,**
Suitable for **ELECTROPATHIC PURPOSES.**



Prices, with Conducting Wires & Flexible Electrodes,
complete, from, 6 cells, £4 4s.,
And upwards, according to power.

All Patients are requested to remember that the "Constant" Current of Electricity always flows from the positive pole (P) to the negative pole (N), and that this painless silent current, EVEN FROM A VERY POWERFUL BATTERY, PRODUCES NO SHOCK, and is practically imperceptible to the senses, except by causing slight muscular contractions at the time of making and breaking the contact with the body, and by a tingling sensation at the negative pole.

52, OXFORD ST., *Corner of Rathbone Place,* LONDON, W

The Battery depicted in the preceding diagram is what has been long sought after by Medical Electricians. A constant-current Battery for Medical purposes has hitherto been cumbersome and unwieldy, whilst it required skill and no small practical acquaintance with Batteries to keep in order. The Battery now offered to the Public is quite a new departure in Electrical Apparatus; it consists of 6, 12, 20, or more Galvanic Cells joined together voltaically, and these are arranged in a polished wood case; it produces a current of sufficient tension to overcome the resistance of the skin, which, as is well known, is very great; practical tests of its power are, that it will ring a bell, decompose water, and its extreme constancy and durability is shown by the fact of its being guaranteed to do the latter, night and day, for eight weeks. For conveniently applying the current to the body, two long conducting wires are supplied, and instead of these being attached to the old-fashioned brass electrodes covered with wash-leather, Harness' Patent Flexible Electrodes are used. A pair of these, Nos. 1 and 2, are sent out with each Battery; the great advantage of these must be apparent, as they can be moulded to a limb, or any part of the body.

When the Battery is required for use, the insulated wire attached to the small flexible Electrode must be fixed in the hole on left side or positive pole of the Battery, and the insulated wire attached to the larger Electrode, fixed in the right hole, or negative pole of the Battery. In using the Battery it must be borne in mind that the Galvanic current has a slight tendency to irritate the skin, and CONSEQUENTLY TO AVOID ANY UNPLEASANT RESULTS, A LAYER OF LINT MOISTENED WITH WATER, OR BETTER STILL, WITH A MIXTURE OF ROSEWATER AND GLYCERINE, SHOULD BE PLACED BETWEEN THE SKIN AND THE ELECTRODES, AND THIS WILL ACT, NOT ONLY AS A PRESERVATIVE, BUT BY MOISTENING THE SKIN, WILL GREATLY LESSEN ITS RESISTANCE.

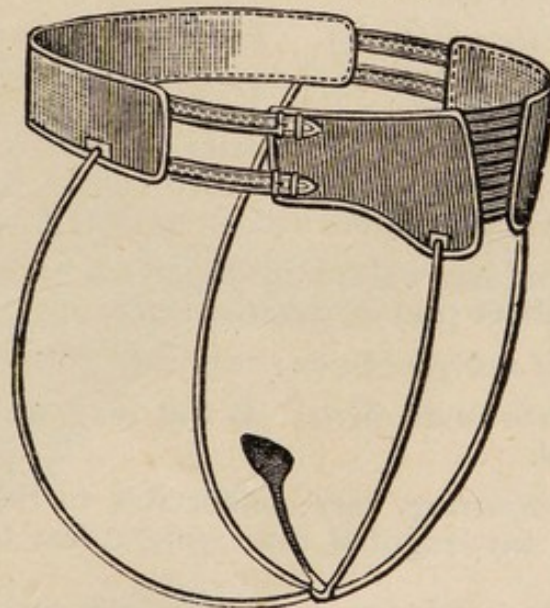
The use of this Battery is indicated, when a current of much greater strength is required than can possibly be produced by any appliance worn on the person and depending on the secretion of the skin for its excitant. It will be found of the greatest service in cases of Indigestion, Gout, Sciatica, Neuralgia, Rheumatic Pains of long standing and severity, Paralysis, Epilepsy, Hysteria, Nervous Exhaustion, &c., and all other morbid conditions where the Galvanic current affords relief.

The Batteries should be kept in an upright position, and can be recharged at a moderate cost when necessary. They can also be joined up to the terminals on an Electropathic Belt where specially directed.

HARNNESS' NATURAL UTERINE SUPPORTER.

DISPLACEMENTS of the uterus are accountable for very many ailments with which women are afflicted. The reason of this is apparent when we take into consideration the structure and important anatomical relation of this organ. Surrounded by structures upon the performance of whose unhampered functions the well-being of the economy depends, abundantly supplied with nerve and blood-vessels, possessing such mysterious and remarkable sympathetic relations with the most distant organs of the body, the wonder is that such a structure should tolerate, as it often does for a long time, grave departures from its natural position, without setting in operation that long train of symptoms which eventually makes the lives of its unhappy victims wretched and burdensome, and the prospects of death more to be desired than the tolerance of life.

We desire to call the attention of physicians and sufferers to
THE NATURAL UTERINE SUPPORTER,



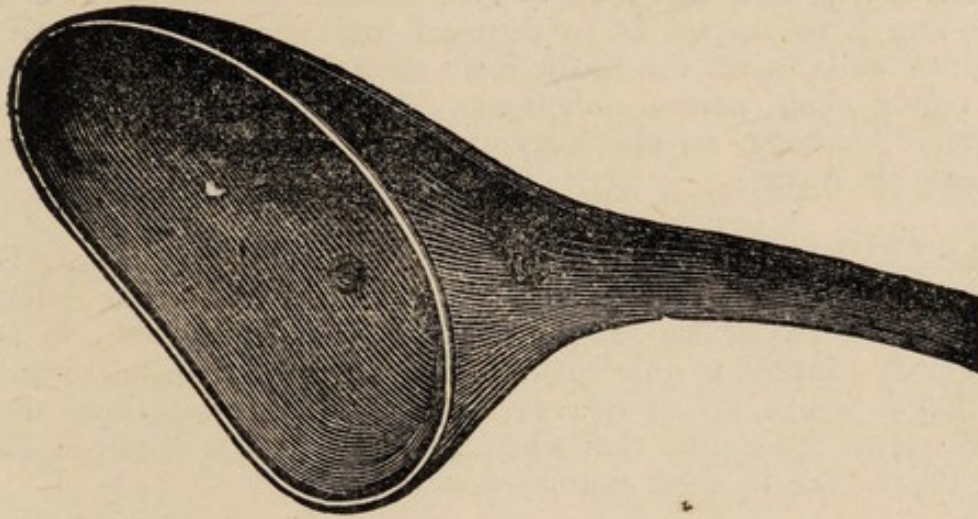
invented by Mr. C. B. HARNNESS, which from the ease of its application, and general adaptability to all cases of prolapsus anteversion, retroversion, or procidentia, is far superior to all others heretofore in use. This is proved by the fact that since its introduction it has come into more general use than all other instruments combined. Among the many reasons which give the supporter preference, is its self-adjusting properties. The physician, after applying it, need have no fear that he will be called in haste to remove or re-adjust it, as is often the case with rings and the various pessaries held in position by pressure against the vaginal walls, AS THE PATIENT CAN REMOVE IT AT WILL AND REPLACE IT WITHOUT ASSISTANCE.

THE MEDICAL BATTERY COMPANY, LIMITED.

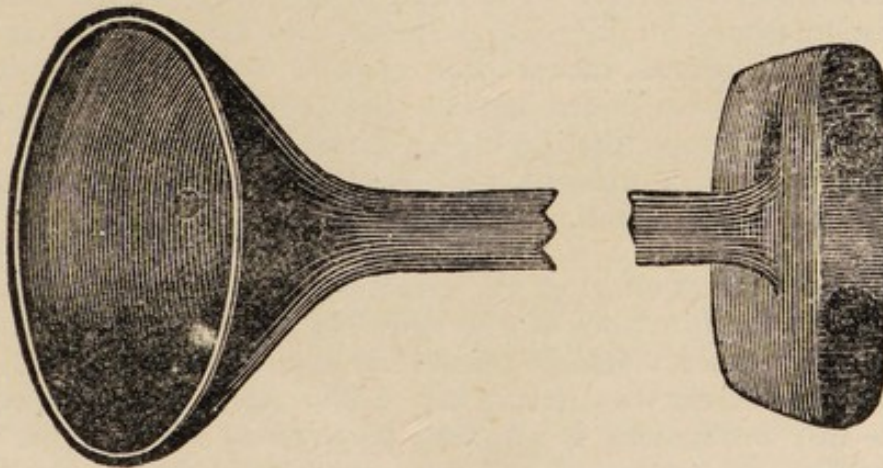
A few of the Reasons why this Instrument is used in preference to all others, are :

1. It is an Abdominal and Uterine Supporter combined.
2. *It is simple in construction.* The abdominal support is a broad morocco belt, with elastic straps to buckle around the hips, with concave front so shaped as to hold up the abdomen. The uterine support is a cup and stem, made of Xylonite, which is quite impervious to the acid or alkaline reactions of the utero-vaginal excretions, and attached to the belt by elastic rubber tubes.
3. *Convenient to apply and wear.* The uterine support (cup and stem), being composed of Xylonite, with a highly polished surface, has no joints or crevices for secretions to collect. The cup is so constructed that all excretions will readily pass out. It will not corrode like those composed of silver or other metals, but after being worn for years will retain its original polish.
4. *Happy in its adaptation.* The cup is not a perfect circle, but flattened to fit the neck of the uterus, which has as definite a shape as the hand or foot ; thus it gives support to all points alike. Instruments should in all cases be constructed so as to fit the neck of the womb. A ROUND cup or ring cannot be used without causing irritation and ulceration, if continued.
5. The patient may walk, run, lift, sit, or take any position of the body, without pain or inconvenience.
6. *It will not interfere in any way with Nature's necessities.*
7. *It is positive in its effects.* It will in every case produce the desired relief.
8. *It is self-adjusting,* very comfortable to the patient, and can be worn for any length of time without fear of irritation or pain.
9. The instrument is supported or held in place by two soft, elastic rubber tubes, fastened to the back and front of the belt. The cords, being elastic, perform the office of the ligaments or natural supports of the uterus, and allow the easy tilting motion that is produced by walking ; hence its name, THE NATURAL UTERINE SUPPORTER. Its simplicity, durability, ease and comfort to the wearer, commend it to every sufferer.
10. *It is superior to any of the rigid instruments,* which are very irritating and annoying to the wearer, and which in a great many cases increase the disorder. It is also very much superior to any ring supporter, which constricts and strangulates the neck of the uterus, thus causing injury, and in many cases cannot be worn at all.

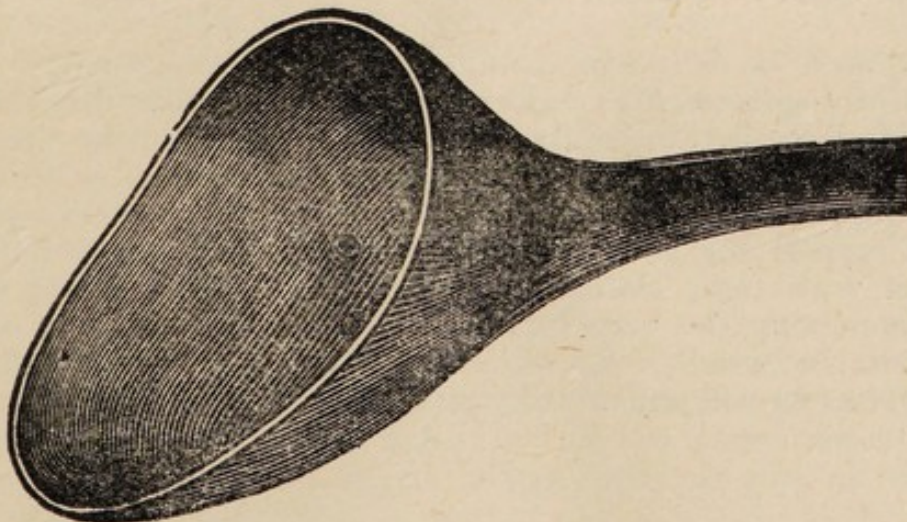
An important feature of Harness' Natural Uterine Supporter is its adaptation to the various cases and forms of displacements. It can be easily removed and replaced by the person wearing it, and is without a rival for the various forms of prolapsus of the womb, and in the other deviations of the uterus.



CUP FOR RETROVERSION.



CUP FOR PROLAPSUS.



CUP FOR ANTEVERSION.

Of the three chief forms of Displacement, PROLAPSUS is by far the most common, most annoying, and most obstinate to cure, as usually managed. In these cases one of the most important means of cure is to elevate the pelvic viscera. *The Abdominal Belt of Harness' Natural Uterine Supporter* here does excellent service; it holds up the intestines out of the pelvic cavity, and exerts an *upward tension* of the ligaments. The cup is so shaped as to contract and impart tone to the vaginal walls, while the elastic cords coax the relaxed ligaments to regain their normal functions. It fully supplies what is required, namely, an elastic apparatus which assists rather than supersedes Nature.

ANTEVERSION, while not so frequent as prolapsus, is more liable to be overlooked. The vesical symptoms often mislead the physician. It will be seen that the above cup is peculiarly adapted to anteversion. The slight, tilting, backward motion it keeps up so relaxes the round and strengthens the utero-sacral ligaments, that when the instrument is removed all the organs are in their normal position.

RETROVERSION.—The cup for this is peculiarly adapted to the anatomy of this displacement. It lifts forward on the body of the uterus, rather than crowds up into the posterior cul-de-sac, and backward against the rectum. The tension of the posterior straps tilts the uterus forward, while the belt lifts the pelvic viscera upward and enables the patient to stand perfectly erect and well.

The abdominal effort of the muscles of the floor of the pelvis to perform the functions of the ligament above, often gives rise to a hyperæsthesia which results in vaginismus, hysteria, and other forms of nervous irritability. The marked relief afforded when this instrument is applied, with *broad base of the stem* supporting the perinæum, is a great advantage that is possessed by no other instrument.

It must be borne in mind by patients seeking relief from uterine displacements by aid of the supporter, that they should avoid all the exciting causes which tend to produce the disease. For instance, a patient would find very little relief in wearing the Supporter, which would raise the organ to its natural position and support the bowels, and at the same time constrict the waist with tight clothing and press the bowels down, thus counteracting the very beneficial effects which the use, under favourable conditions, of HARNESS' NATURAL UTERINE SUPPORTER will undoubtedly produce.

Directions for Adjusting Harness' Natural Uterine Supporter.

The patient should put on the belt, having previously attached the tubes at the back, after threading the tubes through the holes in the stem. Then she should recline on the side, and the womb having been replaced to *near* its normal position the cup is then introduced. Draw the tubes up snug, and fasten them in front.

In bad cases, and if there is much irritation or inflammation, the tubes should be quite loose at first and then they may be gradually tightened. The belt should fit closely at the lower edge only, and the upper edge should be quite loose. The patient should wear no corsets, and should support her skirts from the shoulders. The instrument should be worn till the ligaments are all able to support the uterus alone.

The cup may be removed during menstruation, if it produces any annoyance, and the patient should keep very quiet during this time. The belt may be kept on; a few days should be allowed after menstruation, to test the strength of the ligaments. If able to hold the womb well up, the belt only need to be worn; finally, this may be laid aside, when all is right. When any severe exertion is to be made, the belt should, however, be worn.

The time the Supporter should be worn will vary. The fact that it may be worn in parts is an advantage that is noteworthy. In this way it develops the tone of the ligaments and muscles in a remarkable degree.

DR. JACOBS writes, February 3rd, 1888:—

“Some little time since you supplied me with one of your NATURAL UTERINE SUPPORTERS, for a patient who had suffered for years from a very bad form of displacement, with many other evils connected therewith. She had tried many Medical men, been in several London and Provincial Hospitals, but with no good result, and was quite unable to walk about the house except in pain and doubled up, *but since wearing your NATURAL UTERINE SUPPORTER she is quite straight, free from agonizing suffering, can attend to household duties, and walk some considerable distance in perfect comfort.* I want another for a lady who has for years suffered from displacement (Prolapse and Anteversion), and has just been laid up with an acute attack of Ovaritis.”

Full particulars as to prices may be obtained on application to The Medical Battery Company, Limited, to whom a detailed statement of the case should be submitted, for the consideration and advice of their Consulting Officers.

PRESS NOTICE. (From *The Lady's Pictorial*.)

“Another edition has just been issued ‘for private circulation only’ of the treatise published by the Medical Battery Company, 52, Oxford Street, W., on ‘Diseases of Women and their Electropathic Treatment.’ This little pamphlet is written with considerable skill and ingenuity, the object being to refer sufferers from the various complaints enumerated in it to electrical appliances for treatment. Incidentally a great deal of wise advice is given, and much instruction on physiological details afforded. There can be no doubt of the fact that scientifically-directed treatment by galvanism, faradic and static electricity is destined to hold a prominent place in medical therapeutics. American and Continental Physicians have already brought this method of treatment into vogue; many thick volumes have been written about it, and it is rapidly becoming fashionable in this country. Dr. W. E. Steavenson, Dr. de Watteville, Dr. Vivian Poore, Tibbits and others, have contributed largely to our knowledge of electro-therapeutics, and every month enlarges the sphere of usefulness which the new science is likely to fill. The disorders of women, being specially under the influence of nervous disturbance are, as a rule, particularly amenable to electrical treatment. Hysteria and melancholy depression, as well as neuralgic pain, headaches, and ‘weak back,’ yield to such treatment when all ordinary remedies fail, and even the most hopeless cases are capable, if not of cure under its influence, at least of very marked improvement.”—ANNA KINGSFORD, M.D.

THE BRITISH ASSOCIATION AT BATH

AT the annual meeting of the BRITISH ASSOCIATION, on the 17th September, 1888, Mr. C. S. Roy, Professor of Pathology at Cambridge, and Mr. J. G. Adams, University Administrator of Pathology, in a joint paper on the "Physiological bearing of Belts," said that, "after making some pathological experiments" they had found "that a good deal of the blood stored uselessly in the abdominal veins is, by slight pressure of a belt, placed advantageously at the disposal of the muscles, brain, and skin. This explains how men as well as women instinctively employ some method of abdominal compression, wearing bands or belts, at periods of increased activity." They also stated that the wearing of abdominal belts "*increased mental and physical activity.*" Miss Lydia Becker, endorsed the above opinions.

NOTE—It should be borne in mind that Harness' Electropathic Battery Belt Appliances combine with the above-named beneficial effects the generation of mild electric currents, which exercise an important influence both upon the circulation and the vital properties of the blood, and a natural tonic action upon the nervous forces by which the system becomes endowed with higher mental and nervous power.

The leading Medical and Scientific Authorities throughout the world recommend Harness' Electropathic Battery Belt as positively the only reliable and guaranteed genuine galvanic belt extant.

REMOVAL OF SUPERFLUOUS HAIRS By ELECTROLYSIS.

THE MEDICAL BATTERY COMPANY undertake the Removal of Superfluous Hairs and other disfigurements by the

ELECTROLYTIC ACTION OF ELECTRICITY.

As a depilatory process this method is absolutely infallible, and the operations carried out by a skilled Medical Electrician are not painful, and leave no scars. For terms, application should be made personally, or by letter, to C. B. HARNESS, Medical Battery Co., Limited, 52, Oxford St., London, W.

Extract from "British Medical Journal."

"There is only one reliable and effectual method of removing superfluous hairs, namely, by ELECTROLYSIS. The operation is perfectly successful. An irido-platinum needle is commonly used. The needle is inserted along the sheath of the hair until it reaches the level of the root. It is most convenient in practice to use a strength which requires about thirty to thirty-five seconds to loosen the hair sufficiently so that it comes out without traction when taken hold of by the forceps. In dealing with hairs on the upper lip or on the chin of women afflicted with this deformity, it is advisable only to operate on hairs that are strong and prominent."

CORPULENCE :

ITS CAUSES, CONSEQUENCES, AND CURE.

ALL persons suffering from this burdensome and dangerous state of the body, and even those developing tendencies thereto, should call to-day if possible, or write at once for a treatise on the subject just issued by Mr. C. B. HARNESS (President of the British Association of Medical Electricians). The book contains advice how, in a valuable, simple, rational, and effective manner, Obesity is Cured without resorting either to drastic medicines, quack prescriptions, poisonous preparations, or starvation dietary, and will be sent gratis and post free on application to the Medical Battery Co., Limited, 52, Oxford Street, London, W. (corner of Rathbone Place).

THE MEDICAL BATTERY COMPANY, LIMITED,

PRICE LIST
OF
HARNESS' PATENT
**Electropathic Curative
Appliances.**

THE following Price List indicates the principal Articles and Appliances stocked by the Medical Battery Company, Limited, which are always available for delivery on receipt of order. Every description of Electric, Galvanic, or Magnetic Appliance not included in the Price List can be obtained, or will be manufactured to order on the shortest possible notice, as the Company possesses facilities for production unequalled in the scientific world.

The variations in price indicate the different degrees of Electric power.

Harness' Gentleman's Electropathic Belt,				No. 1, 21s.
		ordinary shape		No. 2, 42s.
"	"	"	"	No. 3, 63s.
"	"	"	"	No. 4, 84s.
"	"	"	"	No. 5, 105s.

" Lady's Electropathic Belt, ordinary shape,

Same price as Gentleman's Belt of similar power.

Harness' Lady's Electropathic Abdominal Belt				No. 1, 26s.
"	"	"	"	No. 2, 47s.
"	"	"	"	No. 3, 68s.
"	"	"	"	No. 4, 89s.
"	"	"	"	No. 5, 110s.

Harness' Special Electropathic Belts, skeleton style for Ladies 31/6 to 115/6

Exact measurement should always be given.

N.B.—The prices of Batteries and other articles not included in this List will be found on the pages devoted to their description.

52, OXFORD ST., Corner of Rathbone Place, LONDON, W.

PRICE LIST.—Continued.

Spine Bands	...	...	21s., 25s., 30s., 35s., 42s., and 63s.
Sciatica Appliances	...	...	63s., 84s., and 105s.
Harness' Electric Suspender	...	...	42s.
"	"	(for Varicocele)	...
			... 52s. 6d.
Lung Invigorators	...	...	No. 1, 21s., No. 2, 42s., No. 3, 63s., No. 4, 84s.
"	"	(for Children)	15s., 30s., and 45s. each.
Chest or Throat Protectors	...	...	15s., 20s., 25s., 30s., 35s., and 42s. each.
Knee Caps	...	...	10s. 6d., 12s. 6d., 15s., and 21s. each.
Anklets and Wristlets	...	...	7s. 6d., 10s. 6d., 12s. 6d., 15s., and 21s. each.
Necklets	...	...	5s., 7s. 6d., and 10s. 6d. each.
Soles for wearing inside Boots	...	...	12s. 6d. per pair.
Leg, Arm, & Shoulder Appli- ances	...	...	15s., 21s., 30s., 35s., 42s., and 63s. each.
The Electric Hair Brush	...	...	each 12s. 6d.
"	"	" (special power)	21s. od.
"	"	Flesh Brush	12s. 6d.
Anti-Mal-de-Mer (the Sea Sickness preventive)	...	...	21s. od
Electric Corsets	...	...	12s. 6d. and 21s.
Harness' Xylonite Trusses	...	...	Single 21/- ; Double 42/-
The Ammoniaphone	...	...	21s., 42s., 63s., 84s., and 105s.

The above are the prices of articles kept in stock, but more powerful Appliances are manufactured to meet special requirements.

CAUTION.—HARNESSE' ELECTROPATHIC APPLIANCES are manufactured under "Royal Letters Patent" owned by this Company in Great Britain, United States of America, France, Belgium, Germany, Austria, and the Colonies, thus securing for their exclusive use all the important points of superiority which make them beyond question, **the best**. The Company give notice that they will spare no expense to prosecute any manufacturer, wholesale dealer, or other persons infringing their Patent Rights, Trade Marks, or Copyrights.

LIBRARY

FREE PUBLICATIONS
OF THE
Medical Battery Co., Ltd.

52, Oxford Street, London, W. (Corner of Rathbone Place).

The Medical Uses of Electricity : A Treatise on the Electropathic Method of Curing Disease. By Mr. C. B. HARNESS, President of The British Association of Medical Electricians.

Book of Testimonials : Containing copies of reports selected indiscriminately from thousands of grateful letters received from men and women who have been completely restored to health by means of Mr. HARNESS' Electropathic Belt and Treatment.

Rupture (Hernia) : Its Nature, Causes, and Successful Treatment. By Mr. C. B. HARNESS.

Swedish Mechanical Exercises : A means of Cure; being a description of the Zander Treatment and Machines.

Corpulence : Its Causes, Consequences, and Cure. By Mr. C. B. HARNESS.

Ozone (Electrically Created).

Indisputable Evidence of the value of the Mild Constant Currents of Electricity, generated by wearing HARNESS' Electropathic Belt.

Any of the above-mentioned treatises will be sent post free on application to

THE MEDICAL BATTERY COMPANY, LTD.,
52, OXFORD ST., LONDON, W.

The Electropathic *and* Zander Institute,

(THE LARGEST AND ONLY COMPLETE ELECTRO-MEDICAL
ESTABLISHMENT IN THE WORLD.)

For the TREATMENT and CURE of
DISEASE by ELECTRICITY, and Dr.
ZANDER'S SWEDISH MECHANICAL
EXERCISES.



SOLE PROPRIETORS—

THE MEDICAL BATTERY COMPANY, LTD.,

52, Oxford Street,

LONDON, W. (Corner of Rathbone Place).