

*R. A. N. Stwood*

THE

MEDICAL ADVANTAGES

OF

**DR. PAIGE'S**

PERPETUAL ELECTROMETERS

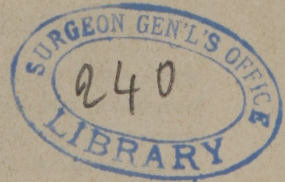
AND

**GALVANIC SUPPORTERS;**

WITH

DIRECTIONS FOR THEIR USE.

BY DR. A. PAIGE.



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MANUFACTURED AND FOR SALE BY

DR. J. W. PHELPS, No. 68 TREMONT STREET, BOSTON.

ALSO FOR SALE BY

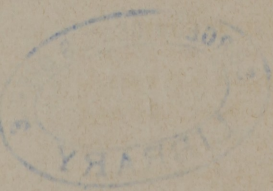
REGULARLY APPOINTED AGENTS THROUGHOUT THE UNITED STATES.

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BOSTON:

1852.

Entered according to Act of Congress, in the year 1854, by  
A. PAIGE,  
In the Clerk's Office of the District Court of the District of Massachusetts.



STEREOTYPED BY  
HOBART & ROBBINS;  
NEW ENGLAND TYPE AND STEREOTYPE FOUNDRY,  
BOSTON.

# MEDICAL ELECTRICITY.

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1. It is generally admitted by the profession, that electricity is a valuable therapeutic agent, and well adapted to different diseases, as this has been well established by observation and experiments; but its true physiological relations, with its more general use, and the best means for employing it, an understanding of which is equally indispensable to its successful application, are points upon which there are conflicting opinions.

2. Previous to describing his newly invented apparatus, known as Dr. Paige's Perpetual Electrometers and Galvanic Supporters, with the principle upon which they are constructed, and their medical advantages, the author deems it his duty to spread before the public certain facts and conclusions, in respect to this agent, as connected with a course of study and experiments, in which he has been engaged for the last ten years.

## I. THE PHYSIOLOGICAL RELATIONS OF ELECTRICITY.

3. Vitality does not consist in a detached principle, nor is it a simple element, but the result of a combination of elements, the highest and most active of which is electricity. Distinctively, therefore, electricity is not vitality, though it possesses relations which constitute it the *vitalizing force*; a power which gives vitality when brought into exercise upon other elements, themselves bearing proper relations to each other; and hence its advantages in controlling the vital functions are incalculable. This may be illustrated by considering it in its relations to the more ponderable elements in the external world.

4. Above the solids of earth, which are said to compose its foundation, we find the *aqueous element* — water — and the two intimately linked together, the latter having insinuated itself into the former, until it constitutes the greater part of its gravity. Here we find the lower links in Nature's chain — the grosser elements of the universe; and it is an interesting truth that they bear the same relations to each other in the substance of our bodies that they do in the earth's gravity — about one seventh being solid matter, and six sevenths water. Being essential to our existence,

nature has provided means for their reception, and in an endless variety adapted them to the stomach, and the stomach to them. In this adaptation, which nature renders complete, the wisdom and design of the Creator are clearly traced.

5. Next in the scale of elements we approach the atmospheric, which bears much the same relation to the aqueous that water does to the solids. It is higher in point of rarity and expansiveness, more nearly allied to the principle of inherent power, more easily disturbed, and, though seemingly distinct, it is intimately connected with the lower. When disturbed, its power is felt by the grosser elements; often lashing the ocean into frenzy, thereby shaking the strongest pillars of the earth. The mechanism of our bodies recognizes the adaptation of this element to our systems, and our systems to it. As the stomach receives the solids and fluids essential to life, so do the lungs receive the atmosphere, and, in a healthy state, the adaptation is complete. Thus far the physiological relation of elements is at least in part comprehended; and here the naturalist has usually concluded his investigation — the physiologist his labors. The science of electricity opens a much wider field for physiological research, and develops principles of the highest importance to our race.

6. Electricity is the fourth link in nature's chain — earth, water and air, being the first three; an element bearing the same relation to those we have considered that they do to each other. It is as much more subtle and powerful than atmosphere, as atmosphere is than water. It approximates as much more nearly to inherent power and voluntary motion. Still it is interlinked with each of the grosser elements, its subtle grasp being fixed alike upon the minutest atom that floats in space, and granite at the mountain's base. Experiments prove it to be alike the attractive force, the organizing, animating, and sustaining power. Hence, it controls the heavenly bodies, the heaving ocean, and the beating heart. By it, in the hands of Deity, worlds are made, crystals formed, vegetables animated, the animal mechanism organized, the vital functions established and sustained.

7. The human mechanism recognizes as perfect an adaptedness of electricity to the economy, as of either the grosser elements, and of the economy to it. This is discovered in the office of the nervous system, of which the brain is the centre. Electricity is the natural element of that system, as much so as air is the element of the lungs, or solids and fluids of the stomach; and that system is equally dependent upon it. As the higher element controls the lower, this element controls the mechanism of our bodies — the vital functions — and the elements essential to their preservation. The nervous system is the medium through which this is accomplished.

8. It is well known that every organ, gland and tissue, in the economy, is supported by nerves. Nerves are not self-operating, but, like the lungs, dependent upon the element to which they are adapted. Now, if the condition of the system be changed electrically, there is at once a corresponding change in the vital functions. The same is true if we change the electrical condition of any single organ, or the nerves supporting that organ, as we may do at pleasure by various means. Electricity, then, may not be itself vitality, and yet exert a *vitalizing* influence, or power.

9. But above even this element, there is another with which it is intimately connected, and which possesses important relations to vitality. In the regular scale of elements, and possessing much the same relation to the last we have named that that does to the lower, there is an *element of the mind*. This element is as much more incomprehensible than electricity, as electricity is than those below it. It has a residence in the economy, however, and its connecting link is the element of electricity. Through this link it reaches the grosser elements, and writes its changes in legible characters in our systems, where they become, to the experienced eye, an index of disease. The mind is not, therefore, as some are taught to view it, an assemblage of ideas, but an *essence, possessing powers* — an element, subject to impressions through its connecting links, and capable, through the same medium, of conveying its impressions back to the most ponderable element. We do not, therefore, identify the mind with electricity, but recognize a wide difference — a difference alike honorable to science, and consistent with Christianity.

10. The physiological relations of electricity, we think, may now be easily comprehended. It becomes, in the economy, the connecting medium between mind and matter — the spirit and earth — the *power of vitality*. When this element is disturbed, the vital functions feel the shock, and as this link gives way, the separation of the higher from the lower takes place. The highest idea of vitality, therefore, is the relations of electricity to the other elements in the economy. The most effectual means for preserving it, are those which act upon its principles, and preserve its relations. Habits and remedies the most destructive to life, are those which the most directly disturb or exhaust this element physiologically. Its relations may be disturbed by changes in the grosser elements or in the higher; but as the higher element is the more powerful, it may be more directly affected by mental disturbances. Either the grosser or higher elements may be employed in restoring this when disturbed, but the most direct agent with which to reach vitality is the vitalizing force, and that force is electricity.

## II. MEDICAL APPLICATION OF ELECTRICITY.

12. In its medical application, we do not expect, by mechanical means, to supply the system with a sufficient quantity of electricity to carry on the functions of life. Nature provides this element for the system with the others by which it is surrounded; and we employ it for the purpose of so changing its relations to the body, both in respect to itself and the elements with which it is connected, as to restore it when disturbed, thereby controlling the vital functions as we will. It should, therefore, be employed with much care and proper discrimination.

13. In our efforts to cure diseases of the lungs, we do not expect to supply the air they require by mechanical means; for this, nature provides; but our object is, to restore a healthy relation between the lungs and their proper element. Medicines are not dispensed for the purpose of supplying material for the body; for, if so, they would certainly be required in large doses, and those doses often repeated; but they are designed to change the relations of the grosser elements, not only as they exist in the economy, but in their combination with external elements. So in the application of electricity.

14. The smallest atom of virus received into the system, or even applied externally, is often sufficient to disturb the whole animal economy, as in inoculation, or the reception of malaria; and the smallest possible portion may restore the system, when laboring under such disturbance. Slight electrical changes often lead to a general derangement of the vital functions, and, skilfully employed, the least quantity will often restore those functions.

15. As electricity pervades all matter, organized or unorganized, in either a positive or negative state, every substance may be so employed as to exert either a positive or negative influence upon the system; and, upon its principles, medicines and medical agents may be classified according to their known effects. Poisons, opiates, and narcotics have a negative influence upon the system; they are, also, non-conductors to electricity, and their use destructive to vital existence. They immediately disturb the electrical element in its relations to vitality, and either suddenly break the link which unites the spirit with earth, — as when given in large doses, — or more gradually separate that link, rendering the vital forces weak, and the nervous system feeble. Tonics, stimulants, caustics, astringents, &c., are positive in their effects, and, properly employed, increase the vital force. Electricity, differently applied, exhibits all these properties in the highest degree. By giving tone to the part involved, it will also perform the office

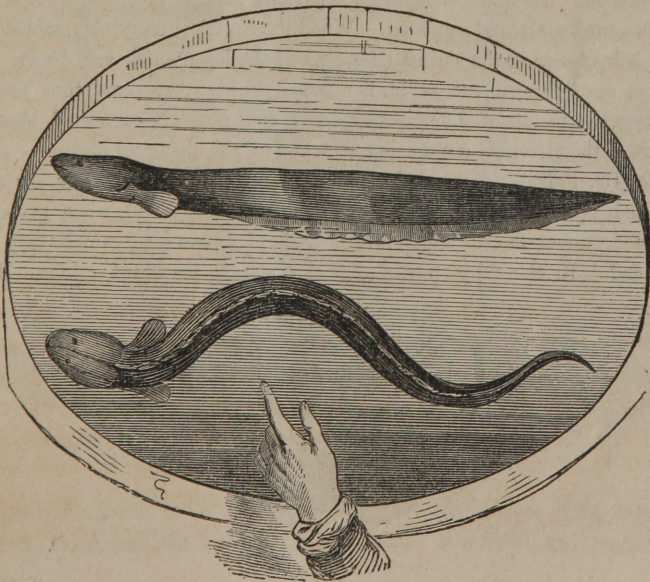
of the most active emmenagogue or diuretic, or even a purgative, or an emetic. Finally, as it becomes, in the economy, the *vitalizing force*, by changing its relations in the system, we change the condition of that force, depriving or supplying different portions, according to its application; hence it should be employed, even though in slight currents, which are often sufficient to effect important changes, with a full understanding of its principles.

### III. DR. PAIGE'S PERPETUAL ELECTROMETERS AND GALVANIC SUPPORTERS.

16. It has long been an object with the profession to obtain some medium through which to control the vital forces, by the aid of electricity, without subjecting the patient to "*shocks*," which, to be effectual, must be given by experienced practitioners, and often repeated. Different inventions have been tested, but with no positive success, until the construction of what Dr. Paige has here presented, as the result of a long course of study and experiments, in the form of his *perpetual electrometers* and *galvanic supporters*. These instruments, as will be seen, are constructed upon strictly *scientific principles*, and so adjusted as to reach at once, with this vitalizing current, the seat of those diseases for the cure of which they are intended.

17. The GYMNOTUS, or electrical eel, found in the fresh water of South America, a beautiful view of which is here annexed, (See fig. 1,) furnishes us with a principle in the application of electricity, which is carefully

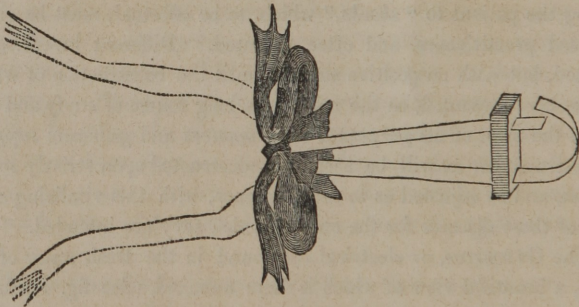
Fig. 1.



observed in the construction of these instruments. In the upper figure, we have a lateral view of the animal, in a straight position, in which he is unable to give shocks; and, in the lower, the attitude he assumes when he attacks his prey, or employs this wonderful agent in self-defence. The current can only be so discharged as to affect objects brought between the two extremities, as represented in the figure; and this is a principle to be observed in the use of all electrical apparatus. The part to be affected must constitute a portion of the electrical circuit.

18. The same principle is illustrated by the familiar experiment with the legs of a frog, represented in figure No. 2. The legs are taken from a subject

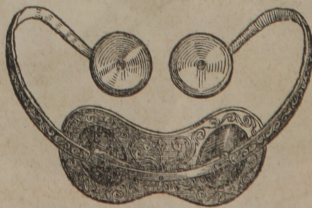
Fig. 2.



recently killed, with a portion of the lumbar vertebræ attached, and the skin stripped off. They are then placed between a forceps, the two points being of different metals, and insulated. When the electrical circuit is established, as it is by touching the spring, (See figure,) the legs, which are drawn up, are at once thrown out, as in the dotted lines. The parts thus placed between two metals of different properties, and properly connected, become a part of the electrical circuit — conductors of the electrical current.

19. Dr. Paige's perpetual electrometers and galvanic supporters are constructed upon principles well established, as above; and, when properly adjusted, cannot fail to affect favorably those diseases for which they are intended. In the supporters, a view of which is presented in figure 3, it

Fig. 3.

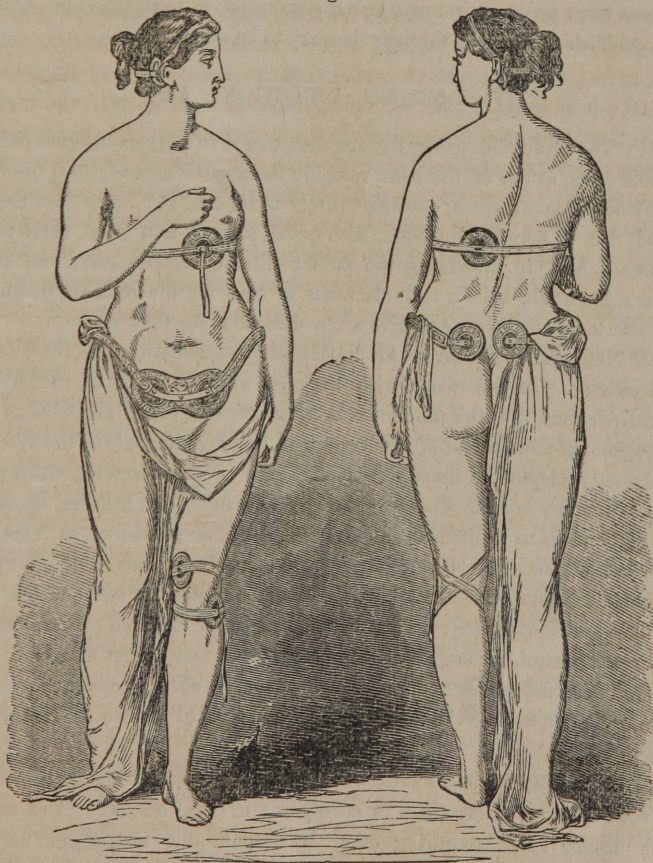




will be seen that the plates, or pads, are connected by means of the springs, which, while they afford mechanical support, at the same time constitute a part of the electrical circuit, being conductors; and that, when the instrument is adjusted, the circuit is completed by the current passing through the parts to be affected. The great advantages to be derived from such an application of this most powerful agent must at once become apparent.

20. All his electrometers are constructed upon the same principle, and are most successfully employed in the treatment of diseases of those parts for which they are intended. The annexed figures give a very correct view

Fig. 4.



of these instruments, as they are adjusted to different portions of the system. Upon the head, and just back of the ears, plates are fitted, and connected

by metallic elastics, which form a part of the circuit, and which render a portion of the head a part. Another instrument is fitted to the chest, with one plate over the region of the heart, and one near the cervical portion of the spine. Being connected by elastic conductors, the electrical current is established through the heart, and upon the nerves with which it is connected. Another is adjusted to the knee; one plate being placed upon the inner side, and just above the joint, and the other upon the opposite side, and below the knee. As the elastic conductor passes around the limb, the current is established between the two plates. This, as well as other patterns of electrometers, may be adjusted to different portions of the body, as different cases may require, care being always taken to so place the plates as to establish the current through the part to be affected.

#### IV. DISEASES, DIRECTIONS, &c.

21. The profession, generally, are accustomed to recommend electricity, in some cases, as one of the most valuable therapeutic agents; but, from an experience of many years, devoted entirely to its use, Dr. Paige has ascertained that it may be employed, with equal success, in a great variety of diseases. And, in presenting the public with his *electrometers* and *supporters*, he would briefly call attention to some of the diseases in which they are to be employed, and give a few directions for their use.

22. NERVOUS DISEASES. — All diseases of this class are within the control of electricity. In accordance with the view we have taken of its physiological relations, it is the *natural element of the nerves*, as much so as the atmosphere is the element of the lungs, and, in a healthy state of the system, as perfectly adapted to them. A disturbance in this element, which may be produced by organic disease, functional derangement, injuries, excesses, mental or physical excitement, an abuse of drugs or medicines, or external electrical influences, produces a corresponding disturbance in the nervous system. If restored at all, it must be by the aid of some agent which acts upon electrical principles; and as science has placed electricity itself directly under our control, we employ it as the safest and most direct agent.

23. If the nervous system, or any part of it, be affected *symptomatically*, while we labor to cure the disease, we should seek to remove the disturbing cause.

24. THE HEAD ELECTROMETER will be found of great advantage in general nervous debility, where there is no organic or local disease. And should such disease exist, requiring other treatment, this instrument may be employed, at the same time, with much success. The anatomist will at once discover that it supplies an electrical current to the great nervous centre — the cerebellum. This is the seat of vital power, and when full, healthy,

and active, the individual is robust, vigorous and firm. If the cerebellum be small, diseased or inactive, the whole system is effeminate and imbecile. A current of electricity passed through this portion of the head has often cured mental and physical imbecility, languor, nervous irritability, loss of sexual pleasure, and even sterility. Headache, vertigo, loss of vision without organic disease of the eye, deafness when from nervous exhaustion, with other disturbances of the senses, tetanus, etc., are immediately relieved by the use of this instrument. It should be carefully fitted to the surface back of the ear not covered with hair, and constantly worn while the disease is felt. To increase its strength, the surface it covers should be occasionally wet with *Dr. Paige's Electric Fluid*.

25. DYSPEPSIA, PALPITATION OF THE HEART, DISEASES OF THE LIVER, WEAKNESS OF THE CHEST OR DIAPHRAGM, INTERCOSTAL NEURALGIA, etc. require the use of an *electrometer*, like the one adjusted to the chest in figure No. 4. It should be so fitted as to bring the immediate seat of disease as directly between the two plates as possible, and there secured. Should the electric current be felt too strongly, one or two thicknesses of cambric or linen may be saturated in water, and placed under one or both of the plates. To increase the electric current, wet the surface under the plates occasionally with the *Electric Fluid*.

26. RHEUMATISM, NEURALGIA, PARALYSIS, WEAKNESS OR SWELLING OF THE JOINTS, may be cured by the use of electrometers like the one presented in figure No. 4, where it is adjusted to the knee. In applying such instruments, care should always be taken to so adjust them, as to pass the electric current upon the nerve, or through the part diseased. Through the elasticity of the conductors which unite the two metallic plates, this is easily accomplished. They may be passed once or more around the limb, arm, shoulder or part affected, and the plates so placed in reference to each other as to bring the diseased part between them. The electric current then penetrates that part, and may be increased by wetting the surface beneath them occasionally with the *electric fluid*, or diminished by placing one or more thicknesses of cambric or linen under them.

27. ULCERS, TUMORS, ENLARGEMENTS FROM INJURIES OR OTHER CAUSES, require the electric current to be passed through them, and this is easily accomplished by properly adjusting the *electrometers*. In cases of *indolent ulcers*, it is often necessary to cover the *ulcerated surface* with one of the plates, while the other is placed as nearly opposite as possible. The most astonishing effects have been witnessed from such applications of these instruments. The most indolent ulcer, after having resisted every other effort, has at once been changed into a healthy sore, and speedily healed

It is sometimes well to bathe the surface of such sores occasionally with the *electric fluid*, as this increases the action of the *electrometer*.

28. **FORMATION OF ESCHARS.** In the treatment of humors, or for the purpose of allaying deep-seated inflammation, it is sometimes necessary to produce superficial sores, or *eschars*, upon portions of the body. This is successfully accomplished by the use of *Dr. Paige's electrometers*. The surface to be eschared should first be irritated with the point of a knife, or other instrument, until the blood is started; or, the skin may be gently removed, and then one of the plates carefully secured upon the prepared surface, while the other plate rests upon some portion of the body opposite. In one or two days a healthy eschar is thus produced, and may then receive the same attention as if induced by other means. This treatment is adapted to diseases of the hip, sciatica, and similar diseases.

29. An important class of diseases, and one in which the use of *Dr. Paige's* electrical instruments is of the greatest value, has not yet been spoken of. These are —

30. **UTERINE DISEASES.** In this term we shall include, not only diseases of the womb, but of the parts with which it is intimately connected — diseases of the pelvis and abdomen generally. It is well known that females suffer much from diseases of this character, and what is of the most interest to them, and alarming to the profession, is the fact, that until *Dr. Paige* succeeded in the application of electricity, by his new method, there was no remedy to be relied upon. His lectures to ladies, and extensive practice in their diseases, have rendered him perfectly familiar with their character, and the effects of all the remedies employed by practitioners of every class. Though he will not rely upon certificates for the introduction of his remedies, he will give their comparative success in different cases, over the signatures of those who have employed them.

31. Drugging the system in such cases is a practice very generally abandoned; its history having established the fact that instead of even palliating such diseases, it has often induced or aggravated them. Mechanical contrivances, like pessaries, supporters designed only to stay up the parts, laces, etc., have been tested, and, though in some cases they afford relief, they are objectionable, because they do not cure, but are always to be continued. From their indiscriminate application they are even very injurious in different cases.

32. **DR. PAIGE'S GALVANIC SUPPORTERS** not only afford relief by their mechanical support, when such relief is necessary, but at the same time they CURE by establishing a HEALTHY VITAL ACTION where *vital power* is only needed to secure health.

33. **IN ABDOMINAL WEAKNESS, PROLAPSUS UTERI,** (falling of the

womb), AMENORRHEA (suppression of catamenial flow), LEUCORRHEA (Fluor Albus or whites), DYSMENORRHEA (painful menstruation), DISEASES OF THE OVARIES, STERILITY (barrenness), and all diseases of the kind, having their origin in the loss of vital power, through excesses, injuries, personal abuses, sedentary habits, accouchement, abortions, and the frequent use of powerful medicines, these instruments may be employed with the fullest assurance of success. They are so varied in their construction as to afford great mechanical support, in cases where it is necessary, and at the same time impart galvanic power, or to dispense with either the support or power, as the case may require. The manner in which they are adjusted may be seen at figure No. 4. They are worn next to the surface, and when their electrical power is to be increased, the surface they cover is to be wet with the *electric fluid*. If this power be too great, cambric or linen may be saturated in water and placed between them and the surface. If mechanical support only be needed, a piece of oiled silk, placed under either of the plates, will entirely shut off the electric current.

34. *The dragging pains* through the hips and back, weakness of the limbs, and general derangement of the system, which usually accompany diseases of this character, are at once relieved by the use of this instrument; and when strength is obtained, as it soon is when the instrument is properly employed, it may be laid aside. Those who suffer from these diseases have only to try these instruments to know their value, and to join in their general recommendation.

35. It is not, however, the design of the author to make them a substitute in all cases where electrical treatment is indicated, as it is well understood that different modes of employing this active agent produce very different results. Nor would he entirely dispense with the use of other remedies, as in many cases they may be employed as auxiliaries. Regular habits, too, are indispensable to the cure of this class of diseases. Should any of his instruments fail to accomplish the object for which they are intended, Dr. Paige would recommend the sufferer to seek timely advice by applying to an understanding practitioner. His remedies, as here presented, however, will prove infallible specifics in nearly every case in which they are recommended.

## V. OPINIONS OF EMINENT MEN, CERTIFICATES, ETC.

36. In electricity we possess the only really direct emmenagogue which the experience of our profession has furnished us with. I do not think I have ever known it fail to excite menstruation, where the uterus was capable of performing this function.  
DR. GOLDING BIRD, LONDON.

37. Galvanism produces an effective and powerful contraction of the uterus; and not only so as regards its tonic contraction, but it has also the power of energetically exciting alternate contraction when applied at intervals. I can tell you most seriously and most solemnly that it produces these two important changes upon the uterus in such a degree as in my previous reflections on the subject I had no conception of.  
DR. RADFORD, LONDON.

38. Electro-galvanism may be considered as a stimulant to the nervous system, a stimulant to the most minute fibrillæ, to the most delicate nervous texture, and likewise to the neurilema, or sheath of the nerves, promoting speedy absorption, so that, should the sheath, or even investing membrane of any nervous fibre be thickened or enlarged by extravasation, or any other means, by stimulating the nerves, promoting absorption, and removing the obstruction, the part will assume a healthy action. In rheumatism, electro-galvanism will often prove of the greatest benefit.

Electro-galvanism is an agent which produces absorption quicker than any medical means we are acquainted with; and this can be clearly proved by its application to indolent tumors, as it very frequently causes them to be absorbed most readily. After other means have failed, electro-galvanism will completely cure some indolent tumors.  
E. W. TUSON, F. R. S.

39. Electricity is a part of surgical practice that may be considered as *unique*. All other means operate on the surface; but electricity will pervade the very centre of the body. It may be so managed as to be made to pervade a tumor, even in the centre of the abdomen. It is a species of stimulation, and may be applied in various degrees of force.  
PROFESSOR ABERNETHY.

40. Electro-magnetic apparatus ought now to be in possession of every surgeon.  
*Brathwaite's Retrospect.*

41. I have repeatedly seen the same effects upon the biliary system which arise from calomel; a copious discharge from the bowels coming on within a few hours after its employment.  
DR. WILSON PHILIP.

42. It is very probable that this all-pervading agent is the force, or cause of the forces, called *vis vitæ* and *vis insita*; already it is recognized in certain animals as the *vis nervea*. Electrical *aura*, also, seems to be the *aura epileptica*.  
SIR JAMES MURRAY.

43. Are not the whole of what we call *vital* phenomena produced by certain modifications of the electric-galvanic-magnetic matter and motions? And do we not find that these *vital* phenomena are continually affected by the relative state of the surrounding electric medium?

J. A. ATKINSON, Esq., M. R. C. S.,  
WESTMINSTER, ENG.

44. A revolution has now taken place in favor of electricity, which, after its wide celebrity at the commencement of the present century, had fallen into disuse, not from the inefficacy of the means, but from the mode in which they were employed.  
PROFESSOR WISGRILL, VIENNA.

45. Dr. Paige has hit upon a very ingenious and harmonious theory, which he expounds in a very clear and agreeable manner. For the last seven years he has been engaged in electrical experiments and studies, and he assigns to electricity a much wider dominion and operation than has hitherto been allotted to it by science.  
*Boston Evening Transcript.*

46. We are acquainted with cases in which Dr. Paige's practice has proved wonderfully successful. Among others, we might name the case of Mrs. Samuel Smith, of this village, and several others. Mrs. Smith had been confined to her room and bed for years, but is now able to walk the streets. — *Taunton Whig*.

47. Dr. Paige has devoted his attention for seven or eight years to the application of electricity to disease, and has evidently mastered the subject. He has got an important clue to the right medical use of this potent agent, — an agent which John Wesley prized and used as one of the greatest reliefs to suffering humanity, — and we look to him for still more interesting developments of the electrical treatments of disease. — *Zion's Herald*.

48. Dr. A. PAIGE: Dear Sir, — Permit me to present you with a brief though heartfelt expression of gratitude for your valuable services in the recovery of my health, and, at the same time, for the good of those who may suffer in some degree as I have suffered, to give the public a short sketch of my case and the effect of your treatment compared with that to which for many years I had been previously subjected.

From my earliest period of womanhood I was subject to what physicians call *dysmenorrhœa*, — painful menstruation, — which seemed to increase in severity with my age. This, as I believe is usual in such cases, was followed with *leucorrhœa*, — fluor albus or whites, — great weakness and nervous debility, and this was followed with *ulceration of the womb, dyspepsia, palpitation of the heart, general prostration of the system, and mental powers.*

For these diseases, in their regular order, I was subjected to medical treatment for *fourteen years* before I became acquainted with you. Dr. M. S. Perry and other eminent physicians rendered me their services during this period. I need not say their treatment was *thorough*; it was *most insufferable* and long-continued. I submitted to the use of *caustics, irritants, and the most powerful drugs, without relief, and, with my friends, was finally informed that I should probably never be well, but it might be necessary to confine me in an insane house!*

When I first applied to you, which was on the 29th of November last, my case was universally considered hopeless, my sufferings quite insupportable, and nothing but wretchedness and premature death were apparently in my pathway.

Sir, let me assure you, and through you the public, whose messenger of mercy you seem to be, that in your judicious application of that mysterious and yet all-valuable agent, *electricity*, I have more than found relief — I AM WELL! Every function of my system is regularly performed; I am free from suffering, healthy and strong. Would I could use my strength in persuading suffering humanity to test the efficacy of those means to which I am alone indebted, in the hands of a merciful Providence, for all I enjoy.

(Signed,)

MRS. MARY I. GRIFFIN,  
No. 8 Blossom Court, Boston.

FEBRUARY 28, 1852.

49. The above statement by my wife is literally correct. I can scarcely realize the fact that after so many years of suffering she is cured; but it is even so, and that too BY DR. PAIGE'S APPLICATION OF ELECTRICITY.

(Signed,)

JOSEPH B. GRIFFIN,  
No. 8 Blossom Court, Boston.

BOSTON, FEB. 10, 1852.

50. DR. A. PAIGE: Dear Sir, — I wish to express to you the high esteem in which I hold your *electrical treatment* in cases of *Neuralgia, and other nervous diseases.* When suffering from such diseases, to a degree amounting almost to insanity, it has given me *immediate relief*, and the short course of treatment to which you subjected me, about one year since, has quite cured me. For your valuable services with the *mysterious agent* you so skilfully employ, I am under the greatest possible obligations, and shall ever take pleasure in recommending your treatment to my friends.

(Signed,)

MRS. GEORGE WALSH,  
No. 44½ Hanover street, Boston; house at Charlestown, Mass.

51. In the year 1847, I was afflicted with what was supposed to be *consumption*, and was so much reduced and emaciated by my cough, which had been for many months very severe, that little hope was entertained of my recovery. The late Dr. Fisher, of this city, my attending physician, pronounced my case one of *confirmed consumption*, and consequently gave me little encouragement.

While in this condition, I was subjected to an examination by Dr. A. Paige, who employed *electricity for that purpose*, and who pronounced *my disease not consumption*, but a weakness of the respiratory nerves and intercostals, affecting the diaphragm, &c. That his examination was correct, and that he is enabled to employ this wonderful agent, not only in detecting the location of diseases, but also in their cure, is fully established by the fact, that by his *electrical treatment alone* I was immediately relieved, and in a few weeks entirely restored. For more than four years I have already enjoyed most perfect health, and, in the hands of Providence, I ascribe my recovery entirely to Dr. Paige and electricity.

(Signed,)

EDWARD M. THURSTON,  
No. 4 Taylor street, Boston.

FEBRUARY 18, 1852.

BOSTON, FEBRUARY 19, 1852.

This certifies that in the year 1848, I was afflicted with a disease in my right eye, probably induced by too close application to my business (that of engraving), which threatened the entire loss of sight. Having tested the usual remedies of the most eminent physicians in the city without relief, I was induced to try Dr. A. Paige's *electrical treatment*. On my application to him my eye was highly inflamed, very sensitive, painful, and weak. I was immediately relieved by his judicious treatment, and in a short time fully restored. I have recommended several of my friends to him, who have also been cured, and shall continue to recommend his use of this valuable agent, as well adapted to different diseases.

(Signed,)

EBEN. TAPPAN,  
(Firm of Tappan & Bradford, No. 221 Washington street,) Boston, Mass.

53. DR. A. PAIGE: Dear Sir,—Your *electrical treatment* has entirely cured me of the *Rheumatism* with which I had been so long and severely afflicted before I made application to you. Your remedies gave immediate relief, and in the short space of three weeks effected a permanent cure. Considering my extreme suffering, and the fact that I had previously tested all the remedies usually recommended in such cases, I think your treatment most wonderfully successful.

Since my cure, I have recommended several of my friends to test the same remedies, and am happy to inform you that they too have been cured. The public should understand the advantages of your new method of employing this wonderful agent, and avail themselves of it, when suffering from various diseases.

Yours truly,

ARTHUR HATHAWAY,  
No. 29 Milk street, Boston.

FEBRUARY 25, 1852.

54. DR. A. PAIGE: Dear Sir,—Previous to my application to you, about eighteen months since, I had been for many years afflicted with a DISEASE OF THE HEART, for which I could obtain no relief. My suffering was very great. At times I was visited with paroxysms, in which I lost all muscular power, and from which my physicians could only restore me with the greatest difficulty. My friends were of course much alarmed as to my safety, and, as I had myself given up all expectation of recovery, I only called on you, when I did, for their gratification.

The effect of your *electrical treatment* has been highly satisfactory. For many months, I have been free from suffering, and feel that I am cured of my disease. I can recommend your use of the potent agent, electricity, in such cases, as skilful, judicious, and highly successful.

Gratefully yours,

URIEL CLARK,  
No. 291 Washington street, Boston.

MARCH 2, 1852.

