

senior assistant in that asylum is generally, but not always, promoted. In other cases, the local committees are more or less guided in their election by considerations other than length of service or professional distinction. Even if county magistrates and town councillors cared to estimate the relative value of diplomas, it can hardly be denied that, under the present system, it is of more importance that a superintendent should be a "good man of business" than that he should possess exceptional scientific abilities. Besides, for every vacancy there are so many candidates who can show good records, that some "influence" is essential to turn the scale.

The post of an assistant medical officer has its advantages in the way of a leisurely life, and an assured, if modest, income; and there can be no question as to the value in any line of practice of a knowledge of insanity, such as can only be gained by residence in an asylum. Unless, however, he is unusually lucky, a newly appointed man will have to wait an indefinite number of years as an assistant, and a bachelor, before he becomes a superintendent, if, indeed, he ever arrives at that position.

THE CREMATION SOCIETY.

W. B. D. AND U. R. N.—The honorary secretary of the Cremation Society is J. C. Swinburne-Hanham, Esq., Devonshire Club, London, who will, we think, be able to give you all the information desired. On and after January 1st next, the offices of the Society will be 8, New Cavendish Street, Portland Place, W., where all letters and communications should be addressed.

NOTES, LETTERS, ETC.

THE VAULTS OF ST. MICHAEL'S.

MR. R. GLASGOW PATTESON, M.B. (6, Hume Street, Dublin) writes: Your reviewer, in his interesting notice of Mr. Vicars's work on *The Antiseptic Vaults of St. Michael's Church, Dublin*, alludes to the stealing of the head of John Shears, and refers his readers to an account of the trial of the two brothers in *Curran and His Contemporaries*. Perhaps the account given by Lady Wilde ("Speranza") in her pathetic and spirited poem, "The Brothers," is also unknown to many. The poem, which originally appeared in *The Nation*, will be found reprinted in *Irish Minstrelsy*, and in the series of *Canterbury Poets*, Walter Scott, 1887. The closing stanza, with a little poetic licence, refers to this peculiar property of preservation from decay which these vaults possess.

"Years have passed since that fatal scene of dying,
Yet life-like to this day
In their coffins still those severed heads are lying,
Kept by angels from decay.
O! they preach to us, those still and pallid features;
Those pale lips yet implore us from their graves
To strive for our birthright as God's creatures,
Or die, if we can but live as slaves."

The brothers were beheaded on July 14th, 1798.

OBLITERATED SCALE OF CLINICAL THERMOMETERS.

MANY students and practitioners are inconvenienced by the scale on their clinical thermometers becoming obliterated. The *Physician and Surgeon* finds it a good way to renovate them with the American copying pencils so much used by students. To use them the scale is to be first moistened, then the pencil is to be well rubbed in. When it has become dry the superfluous colouring matter may be removed by a soft cloth, when the roughened markings of the scale will be found to retain the colour.

AN APPEAL.

DR. R. ROSS (Barvas, N.B.) writes: In addition to the sums acknowledged in the JOURNALS of March 31st and October 23rd last, the further sum of £2 from Dr. H. Coupland Taylor (Todmorden Hall, Lancashire), Funchal, Madeira, towards the fund in aid of the late Dr. James McDonald's widow and orphans is hereby gratefully acknowledged.

GLYCERINE SUPPOSITORIES.

DR. GEORGE GREWCOCK (Brighton) writes: The injection of glycerine as a remedy for habitual constipation, has not been, as your correspondent states, sufficiently tried and adopted. I found out quite accidentally a novel method of applying it, which I have found equally as efficacious as the enema, and simpler than Dr. Kroll's method of enclosing the glycerine in cocoa butter. If a piece of cotton wool alone, the size of a nut, is well saturated with glycerine, and inserted as a suppository, in a short time a copious motion is produced. How is it that the application of glycerine can produce this action? It is most astonishing, and it must be a very valuable addition to the remedies for habitual constipation.

PARTIAL REMOVAL OF GOITRE.

MR. LENNOX BROWNE writes:—In my remarks at the Medical Society, on November 26th, I am reported to have said "that the hemorrhage in these operations is much greater than anatomists would lead them to suppose." This is somewhat misleading. What I did say was, that an endeavour to secure each separate vessel advocated by Mr. Berry as easy to one who knew his anatomy would demonstrate that, with increased growth, there was increased vascularity to such an extent as to bring to light many more vessels than were dreamed of in the philosophy of the anatomist; but that, with the method which I practise of transfixing with a double ligature, and tying the two separate halves, I had had but very little hemorrhage.

THE FIRST USE OF ANTISEPTICS IN MIDWIFERY.

DR. JOHN BARR STEVENS (Renfrew) writes: During the discussion of Dr. W. R. Smith's paper on the Etiology of Puerperal Fever, Dr. Routh mentioned that he was the first Englishman to suggest the use of antiseptics in midwifery. A quotation from an old book, from the library of my late grandfather, Dr. Stevens, of Ardrossan, may interest Dr. Routh and others. The book is entitled *Annals of Medicine for the Year 1798*. Case of Laceration of the Vagina during Parturition, communicated by Dr. James Carmichael, of Port Glasgow. The case occurred at Hamburg on July 1st, 1875. The paragraph is copied *verbatim et literatim*. "Putrefaction of the fluids discharged into the cavity of the abdomen, with its consequences, fever, and colligative diarrhoea were apprehended; for which reason a large syringe, mild antiseptic injections, also a flexible canula of wire, covered with plaster were kept in readiness."

COMMUNICATIONS, LETTERS, ETC., HAVE BEEN RECEIVED FROM:

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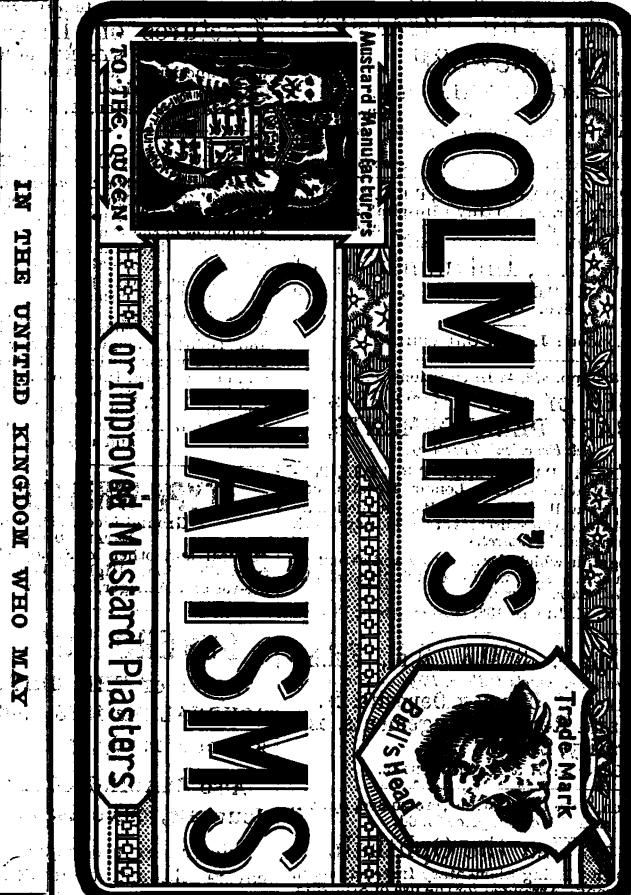
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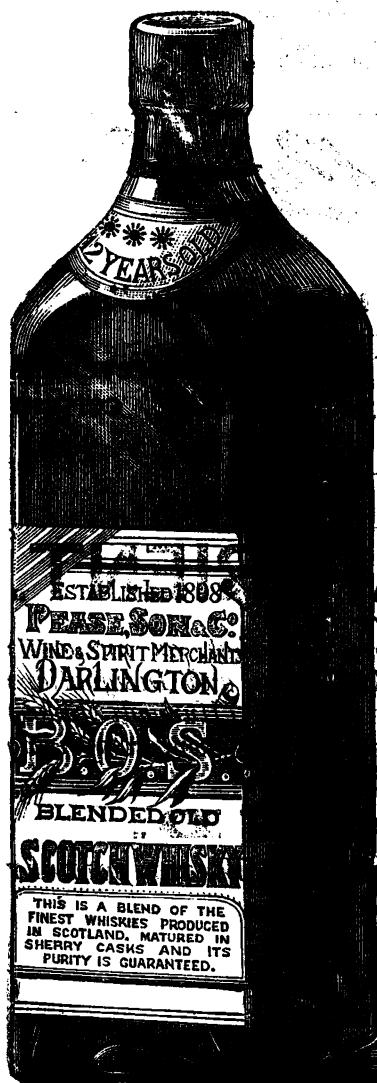
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(AN INQUIRY.)

(From the *Lancet*, Nov. 24th, 1888, p. 1053.)

“To the Editors of the *Lancet*.

“SIRS,—Can any fellow practitioner kindly suggest anything reliable in a hitherto intractable case of pruritus vulvæ associated with eczema of the thigh? The lady is about the climacteric period, and otherwise healthy; but her sufferings night and day are intolerable, and have been so for months. In vain have been tried solutions of nitrate of silver, ol. menth pip., ext. comii, sodii hyposulph., hydrarg. bichlor., etc., as also alkaline ointments, quinine ointments, ungt. potass, sulphurata, potass. cyanidi, iodine, etc.—I am, Sirs, yours faithfully, M.D.

“Manchester, Nov. 6th, 1888.”

PRESCRIPTIONS in ANSWERS.

The *Lancet*, Dec. 1st, 1888, contained a number of replies to the above inquiry, from two of which the following extracts are made:—

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Mr. PERCY NEWELL (Ipswich), “recommends a careful regulation of the diet and the use of Vinolia....”—*The Lancet*.

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IXION “recommends Vinolia, which he thinks will allay the irritation at once. The preparation is said to consist of zinc, antiseptics, etc.”—*The Lancet*.

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(From the *British Medical Journal*, Oct. 20th, 1888, p. 914.)

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ANSWER.

(From the *British Medical Journal*, Oct. 27th, 1888.)

B writes:—“If ‘An Old Physician’ will try Vinolia, I am sure it will relieve the intolerable itching of which he complains as soon as applied, and it may entirely cure him. It was recommended to me by the late Dr. Milner Fothergill. It is a French preparation, and can be obtained from Roberts, chemists, 76, New Bond Street London. I was for years a sufferer from eczema, but it has quite cured me, and I have recommended it to a large number of eczematous patients, every one of whom speaks of it in the most grateful praise. Vinolia will alleviate the worst forms of eczema. *For pruritus there is nothing like it; it stops the itching at once.*”

INFORMATION WANTED.

(AN INQUIRY.)

(From the *Chemist and Druggist*, Oct. 13th, 1888, p. 527.)

“What is Vinolia?”

ANSWER.

“To the Editor of *Chemist and Druggist*.

“SIR,—We beg to state as agents for Messrs. Blondeau & Cie.'s preparations, that Vinolia is a preparation for eczema and allied skin affections, containing Vinolia basis, an antiseptic, and a small quantity of a pure form of zinc. Vinolia basis is an unirritating, plastic, homogeneous, fatty compound, free from fatty acid, and practically of perfect consistence.... It keeps perfectly. We were led to take up the agency for Vinolia preparations by the recommendations of several leading dermatologists. It would seem not unlikely that the curative action of Vinolia in ECZEMA may be in part due to the bland unirritating properties of the Vinolia basis itself. It may be added that the latter is employed in making Vinolia Soap, which differs from other soaps in that it is super-fatted, presenting an excess of fat instead of free alkali. The advantages of such a soap for those with tender skins, and skin diseases are obvious.

“Yours very truly,

“76, New Bond Street, London, W.”

“ROBERTS & Co.

VINOLIA and VINOLIA SOAP Introduced by BLONDEAU & CIE.

PRICES:

VINOLIA, 1s. 9d. and 6s. per box; VINOLIA CREAM SOAP (Medical), 2s. per box of 3 Tablets; VINOLIA CREAM SOAP (Toilet), 2s. 6d. per box of 3 Tablets. VINOLIA SHAVING SOAP, 2s. per Stick.

Agents: ROBERTS & CO., 76, New Bond Street, London, W.

Southall's "Sanitary Towels"
(Trade Mark) for Ladies!



Protected by Her Majesty's
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SOUTHALL'S "SANITARY TOWELS" (Trade Mark.)

For Ladies.

The application of absorbent and antiseptic Wool, Gauze, &c., to the manufacture of a substitute for the old-fashioned Diaper which, even in this age of invention, had not been improved upon from the time of the Pharaohs, was heartily welcomed by the leading Obstetric Physicians and the whole of the Medical Press in 1880.

Their introduction to the Public has been equally successful, and it may now be said of the SANITARY TOWELS that they are more or less in use in every part of the civilised world.

Although all rights have been secured by Royal Patents, the almost universal adoption of SOUTHALL'S SANITARY TOWELS by Ladies has led to unscrupulous copying, in some cases not only of the Advertisements and Labels, but the style of the Packets, these counterfeit packets covering dangerous and disappointing imitations of the genuine Towels.

The Towels are retailed to the public at 1s. and 2s. per Packet of one dozen. An extra large size, marked X, is sold at 2s. 9d. per Packet.

The Sanitary Towels are invaluable for ladies travelling.

A WHOLESALE DISCOUNT IS ALLOWED TO THE PROFESSION.

TRIAL SAMPLES of SIX TOWELS will be sent, post free, to any Medical Practitioner in the United Kingdom, on receipt of address card.

SOUTHALL'S SANITARY SHEET, 1s. EACH.

For use in Accouchement, recommended for Comfort and Cleanliness.

These Sheets, 24 by 18 inches, are made of Absorbent Wool and Gauze, which have been rendered Antiseptic. They are very absorbent, of downy softness, and great elasticity. If placed under the patient they will be found most comfortable; they can be readily removed, and after use they are simply burned. They are thus in every way superior to the ordinary materials used both for cleanliness, comfort, and safety. *They are highly recommended by the Medical Profession, Nurses, and Others.*

THE FOLLOWING TESTIMONIAL ILLUSTRATES THEIR VALUE.

Messrs. SOUTHALL BROS. & BARCLAY.

Gentlemen,—I saw your Absorbent Sheets for child-bed in use some time ago, and they were pronounced by the lady who used them "The very grandest things ever invented."

DALKEITH, MIDLOTHIAN, N.B.

Yours faithfully, J. HISLOP JOHNSTON, M.B., &c.

Obtainable at Ladies' Underclothing Establishments Everywhere.

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SOUTHALL BROS. & BARCLAY, Birmingham,

Manufacturers of Surgical Dressings, Tenax, Millboard Splints, Hospital Strapping, &c.

Wholesale Agents:—S. MAW, SON & THOMPSON, Aldersgate Street, London, E.C., and all other Wholesale Druggists and Druggists' Sundrymen.

SOUTHALLS' "STANDARD TINCTURES."

A New Departure



in Therapeutics.

SINCE the discovery in vegetable drugs of definite active principles, such as Morphine and Strychnine, there has been a largely increasing demand from the medical profession for these alkaloids, glucosides, and the other principles. The reason of this progressive demand is that with the advancement of medical knowledge there has grown up a pressing necessity for precision in dosage.

Under the old system of treatment by infusions, decoctions, tinctures, &c., this exact dosage is a perfect impossibility. To the mind of one who knows but little of drugs, it would seem sufficient that the physician should prescribe a certain quantity of the infusion or other galenical preparation, if there be a recognised standard of the amount of drug represented by that preparation; but those who have long worked in the ever instructive field of pharmaceutical research know that different samples of the same drug may vary in strength within enormously wide limits, so wide in fact that it would be quite possible to administer in the form of a *carefully-made preparation* a quantity of the active principle double that contained in the same quantity of the same preparation made from another parcel of the drug, although the two lots of drug might both be purchased as "best," and would vary scarcely at all in physical characters.

This statement is abundantly illustrated by the well-known variation in the alkaloidal value of Opium and Cinchona bark, also by the elaborate research of Messrs. Dunstan and Short upon the subject of *Nux Vomica*.

Our own experience goes to prove this same fact.

There is, therefore, no wonder that with this continued variation of drugs and their preparations, physicians should seek to overcome the difficulty by the use of alkaloids, &c. It has, however, been found that these alkaloids do not act as perfect substitutes for the crude drug, their physiological action is most frequently different both in quality and quantity from the action of the corresponding amount of original drug which they represent.

The whole subject of the physiology of plants and animals is so shrouded in mystery that the reason for this fact is often very difficult to see; but there is no doubt that the organic acids and other substances accompanying these principles, although in themselves having scarcely any medical value, do exert a modifying influence on the alkaloidal action; in some cases, too, there are two or more alkaloids or glucosides present in the same plant, one or all of which may be either correlative or antagonistic in action to the primary active principle. Cinchona and Calabar bean may be cited as examples.

Again, the recent research of Mr. W. Will upon *Belladonna*, published in the *Pharmaceutical Journal* of June 16th, 1888, opens a very fruitful field for speculation as to the probable cause of much of this difference of action. It is there shown that by suitable treatment *Belladonna* roots may be made to yield either Atropine alone, Hyoscyamine alone, or a mixture of the two. It had been long thought that the chief alkaloid of *Belladonna* was Atropine, associated with small and varying quantities of Hyos-

cyamine, consequently Atropine would be used to obtain the physiological effect of *Belladonna*, if exact dosage were required. Now, however, it is shown that Hyoscyamine alone exists ready formed in the root, Atropine being produced by the action on the Hyoscyamine of the Soda used in the manufacture.

Facts such as these will cause medical practitioners to trust less in alkaloids; indeed, in consequence of this defect in the separated alkaloids, for some time past there has been a desire to exhibit a known amount of the active principles in the state in which they exist in the plant, by employing standardised drugs and their preparations in preference to the separated principles. Many years ago we introduced a series of standardised drugs, such as Opium, Cinchona, Seammony, and Ipecac, which we sent out in the form of a dry, coarse powder, it being obviously impossible to guarantee the strength of any given portion of a bale of the drug from the analysis of a selected sample only. Some of these standardised drugs we exhibited at the Nottingham Meeting of the British Pharmaceutical Conference held in 1866.

Following on this the British Pharmacopoeia of 1867 ordered Cinchona and Opium to be standardised, or rather the drugs were not to be under a certain standard strength, but the methods of assay were so imperfect and the standards so low that very little practical benefit resulted.

During the eighteen years which followed, the enormous amount of work done in the detection and estimation of the active principles of drugs enabled the editors of the Pharmacopoeia of 1885 to remedy these defects in the assay of Cinchona and Opium, in addition to which definite standards were adopted for the extract, fluid extract, tincture, and wine of Opium, and the fluid extract of Cinchona, as well as the extract and tincture of *Nux Vomica*. This official recognition of the principle of standardisation of the preparations of potent drugs will doubtless serve to increase the demand for this class of preparations.

To meet this demand we have made numerous experiments in order to place before the profession a series of standardised tinctures, each of which shall contain a definite amount of the active principle or principles. In some cases we determine the quantity of alkaloid, in others resin, in others volatile oil, &c., while in some, whose active principles are as yet imperfectly known—e.g., Valerian—we are obliged for the present to simply ensure a uniform quantity of total solid matter.

The standards adopted for these tinctures have been arrived at as the result of experiments upon the various crude drugs, and are adjusted to represent the drugs of good quality as found in the London market.

Each batch of tincture is adjusted to the same strength of active principle by the use of a larger proportion of drug or menstrum as the case may be, every tincture being itself standardised *after preparation*: the danger of slight variations due to slight differences in the conditions during preparation (temperature of atmosphere, &c.), even though the same strength drug is used, are thus avoided.

In addition to the "Standard Tinctures" of Pharmacopœial strength we also prepare the "Standard Tinotures" concentrated, containing four times the amount of active principles, which will be found very economical for use in Hospitals, &c.

**SOUTHALL BROTHERS AND BARCLAY,
BIRMINGHAM.**

Samples of any two of the commoner tinctures will be forwarded post free on receipt of professional address card. Medical practitioners when ordering these Tinctures may rely upon their fully representing the Pharmacopœial preparations, and to ensure their being used we would suggest their being ordered as follows:—“Tinct. Aconiti (Southall).”

BENGER'S PREPARATIONS OF THE NATURAL DIGESTIVE FERMENTS.

And SPECIAL FOODS for Invalids, Children and Infants.

I. LIQUOR PANCREATICUS (BENGER).

(REGISTERED.)

In 4, 8, and 16oz. Bottles.

An extract in which the digestive principles (proteolytic and amyloлитic) of the pancreas exist in a state of great activity. It is used—

(1)—For the preparation of peptonised or partially digested foods, such as milk, soups, beef-tea, &c., the administration of which has been attended with such great success in the treatment of various diseases. *Simple directions for preparing these accompany each bottle.*

(2)—As an addition to various articles of invalids' diet, shortly before they are eaten, rendering them easy of digestion.

"It is of this preparation that I must be understood to speak in what I have now to say on the production of artificially digested food."—Lumleian Lectures, by Sir WM. ROBERTS, M.D., F.R.S.

2. BENGER'S PEPTONISING POWDERS.

In Boxes of 12 Powders, Retail, 2s. 6d.

"*Pulvis Pancreaticus Alkalinus (Benger).*" Colourless, odourless, soluble. One will peptonise a pint of milk, gruel, etc., in 15 minutes.

3. LIQUOR PEPTICUS (BENGER).

In 4, 8, and 16oz. Bottles.

AN EXCEEDINGLY ACTIVE FLUID PEPSINE. Dose: One or two teaspoonfuls in a wineglass of water, wine, or weak spirit and water, with meals. It is without disagreeable taste, and is best taken during the meal.

"Those of you who from past experience have lost faith in Pepsine may be encouraged to try again the more active preparations which are now within our reach. The Liquor Pepticus prepared by Mr. Benger is a digestive agent of extraordinary power."—Sir WM. ROBERTS, M.D., F.R.S., at Northwich Meeting of the British Medical Association.

4. BENGER'S PEPTONISED BEEF JELLY.

Sealed Tins, 2s. Will keep in any climate.

A DELICATELY FLAVOURED, CONCENTRATED, PARTIALLY DIGESTED, AND SOLIDIFIED BEEF-TEA, containing, besides the Salts and flavouring principles, much of the fibrin or flesh-forming elements of the beef in a soluble form, fit for immediate absorption. On this account it constitutes an exceedingly valuable and delicious quick restorative. It can be taken by teaspoonfuls, cold as a jelly, or dissolved in a little hot water, as a concentrated beef-tea. It is also used to fortify or enrich ordinary beef-tea, soups &c. It affords to invalids, when travelling, a ready and convenient form of concentrated nutriment.

"It is a most valuable form of concentrated food."—THE LANCET, March 25th, 1882.

"We have found it invaluable for old people whose digestive powers are feeble, and also in convalescence from acute diseases."—LONDON MEDICAL RECORD, March 15th, 1882.

BENGER'S PEPTONISED CHICKEN JELLY in similar tins, 2s. each. "It is excellent."—Lancet, January 1st, 1887.

5. BENGER'S FOOD (FOR INFANTS AND INVALIDS). Tins, 1s. 6d., 2s. 6d., 5s. (PANCREATISED FARINACEOUS).

A great improvement on the various forms of Liebig's food. When mixed with warm milk the pancreatic ferments render the farinaceous matter soluble, and reduce the casein to the same digestible condition in which it exists in human milk, so that hard masses of curd cannot be formed in the stomach. Experience has shown that delicate children and adults with weak digestions can enjoy and retain this food when all others disagree.

THE LONDON MEDICAL RECORD, March 15th, 1882, says:—"Undoubtedly a great advance on any previous attempt in this direction. It is palatable and excellent in every way. We have given it in very many cases with the most marked benefit, patients frequently retaining it after every other food had been rejected. For children who throw up their food in curdled masses it is invaluable."

N.B.—To guard against Imitations, Physicians should specify BENGER'S PREPARATIONS.

BENGER'S PREPARATIONS may be obtained through all the leading Wholesale and Retail Houses, or of the MANUFACTURERS:

**MOTTERSHEAD & Co. (S. Paine & F. B. Benger), Pharmaceutical Chemists,
7. EXCHANGE STREET, MANCHESTER.**

GOLD MEDAL—International Health Exhibition, London.

"*Mr. Benger's admirable preparations.*"—THE LANCET, March 25th, 1882.

"*Deserving of the highest praise, and only require to be made known to the profession to ensure their extensive employment.*"—THE PRACTITIONER, Feb. 1883.

"INGLUVIN.—A powder from the gizzard of the chicken (*Ventriculus callosus gallinaceus*) prescribed in the same manner, doses, and combinations as Pepsine." per oz. 4s. 6d., prepared by W. R. WARNER & Co. Wrapper-design, and word, "INGLUVIN" registered under the Trade Marks Act.)



INGLUVIN.—A very expressive name for a remedy is Ingluvin. It is the essential principle of the gizzard, and bears the same relation to poultry that pepsine does to the higher animals. The honour of its discovery and utilization, in its crude state, remotely dates with the Chinese gastronomer, as well as (in its refined condition) with the Caucasian chemist. From time immemorial the inhabitants of the Celestial Empire have used the gizzards of chickens and ducks in nearly all made dishes. Their writers have recommended the practice as a sovereign treatment of dyspepsia, weak stomach and vomiting. A favourite prescription of Chinese physicians for chronic indigestion is to cut up and digest chickens' gizzards in hot water until they are reduced to a pulp, and then to add some spices. A tablespoonful or two of the resulting paste is taken at each meal until the patient has entirely recovered. From China the practice passed to other parts of Asia, and was adopted here and there among the Mediterranean people. Strange to say, it was never learned by the great nations of Europe until the latter part of the present century. On the other hand, the organic chemists of Europe discovered, about 1850, a powerful nitrogenous radical in the gizzard. Experiments thereafter showed it to possess many of the qualities of pepsin. These experiments led to its isolation. Numberless experiments have proved it to be a very valuable addition to therapeutics. Where pepsin refuses to act, and where, in severe cases, it has been rejected by the stomach, Ingluvin has effected relief rapidly and with the greatest ease.

In four recent cases of poisoning by root beer (Brooklyn, June, 1886), Dr. George Everson, jun., a well-known physician of that city, reports that after pepsine and all similar compounds had been rejected by the stomachs of his patients, Ingluvin stayed the retching and enabled them to retain and digest food.

Dr. Lassing reports a similar experience in several cases of acute dyspepsia.

A priori, it would seem as if Ingluvin should be more efficient and potent than pepsin in many cases of physical disorder. Our poultry are chiefly granivores, and have no beak nor other buccal apparatus for crushing the hard grain and seeds on which they so largely feed. The food is swallowed when apprehended, and passes directly into the crop or gizzard. This seems to act both mechanically and chemically. Its interior walls are covered by a dense, hard, cutaneous membrane, surrounded by muscles of the most powerful type. Along with the food is always a small amount of sand and gravel. The organ acts, apparently, by bruising and cracking, rather than, as is commonly believed, by trituration. The motion of the ingluvian muscles is accompanied by the slow but continuous exudation, from the walls of the crop, of a strong organic fluid, of which Ingluvia is the chief constituent. The hull of the grain or the shell of the seed is broken by the pressure of the walls and the gravel, and their interior is exposed to the chemical action of the Ingluvin. By the time it reaches the stomach it is ready for the gastric juices. From this point on, digestion proceeds as with the higher animals. As the gallinaceæ have very small salivary glands, and as the fluids secreted by these resemble the secretion of the parotid rather than that of the sublingual and submaxillary glands of the human being, it would seem as if Ingluvin played a double part, exercising the functions of the ptyalin of the saliva as well as the pepsine of the stomach. Ingluvin is prepared by the well known chemists, Wm. R. Warner & Co. It is made from selected gizzards, and is so carefully extracted as to be free from all foreign organic bodies. It is already known and appreciated by the medical profession in various parts of the world. The *American Analyst* bespeaks for it the same appreciation by its readers. We extract the following:

"Prof. Roberts Bartholow, M.A., M.D., LL.D., in his late work on *Materia Medica and Therapeutics*, says:—INGLUVIN. This is a preparation from the gizzard of the domestic chicken—*ventriculus callosus gallinaceus*.—Dose gr. v.—9 j.

Ingluvin has the remarkable property of arresting certain kinds of vomiting—notably the vomiting of pregnancy. It is a stomachic tonic and relieves indigestion, flatulence and dyspepsia.

The author's experience is confirmatory of the statements which have been put forth regarding the exceptional power of this agent to arrest the vomiting of pregnancy. It can be administered in inflammatory conditions of the mucous membrane, as it has no irritant effect. Under ordinary circumstances, and when the object of its administration is to promote the digestive function, it should be administered after meals. When the object is to arrest the vomiting in pregnancy, it should be given before meals.

Ingluvin is prepared by WILLIAM R. WARNER & Co.,

Chemists, and Manufacturers of Sugar-Coated Pills.

Ingluvin, Parvules, Sugar-Coated Pills, and other Preparations of W. R. WARNER & Co., may be obtained in London of Messrs. Barclay & Sons, Butler & Crispe, W. Edwards & Son, E. Hovenden & Sons, Lynch & Co., S. Maw, Son & Thompson, J. Sanger & Sons, W. Sutton & Co., Corbyn & Co., Young and Postans, &c.

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JOSEPH MACK'S AUSTRIAN PINE

(*Pinus Pumilio*).

THE Essence and Extract for these Products are distilled by JOSEPH MACK from the species of Conifer "Pinus Pumilio" found in the highest regions of the Austro-Bavarian Alps; and none are used which grow at a lower altitude than from 5,000 to 6,000 feet above the level of the sea. The Pine Trees are carried from these high altitudes direct to the distillers by a specially constructed set of wires; and Essence and Extract distilled from these trees are the only PURE, EFFICIENT, and UNRIVALLED "Pumilio Pine" preparations, and ACKNOWLEDGED AS SUCH BY THE HIGHEST AUTHORITIES AFTER ANALYSIS AND EXAMINATION; AND HAVE BEEN INTRODUCED INTO ALL THE HOSPITALS OF THE CONTINENT AND SEVERAL HOSPITALS IN ENGLAND.

To give these Products a popular name, we have adopted the designation "AUSTRIAN PINE," and as such they have acquired a world-wide reputation.

MACK'S Special Products of AUSTRIAN PINE are as follows:

MACK'S ESSENCE. For Inhalation and Fumigation in cases of Affection of Voice and Respiration, and as a Friction for Pains of Gout. Large bottle, 3s. 6d.

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MACK'S CATHARTIC. For serious cases of Bronchitis, Catarach of the Kidneys and Bladder, and for Gravel. Per bottle, 2s. 3d.

MACK'S PECTORAL SYRUPS and PASTES. For Coughs, Affections of the Larynx, and for Children with Whooping-cough. Syrup per bottle, 2s. 6d.; Paste, 1s. 6d.

MACK'S CHEST PROTECTOR of Austrian Pine Flannel, 2s. and 5s.; large, for Chest and Back, 8s.

SPECIAL VIENNA INHALER, 15s. SPECIAL VAPORISER for Solution, 5s.

MACK'S AUSTRIAN PINE SANITARY and TOILET SOAP is particularly beneficial in cases of Gout, Rheumatism, Skin Affections, Hay Fever, and Colds in the Head. Per box of Three Cakes, 1s. 6d.

WARNING.—JOSEPH MACK'S Office and Depot are now at **Hearn Street, Curtain Road, E.C.** As his products, pamphlets, &c.—a work of twenty years—have recently been copied, the Medical Profession and Chemists and Druggists are requested to read the following letter:

"In reply to your letter requesting information with regard to advertisements appearing in English papers using my name in recommending Pine Products, I can only say that these products are unknown to me. I exclusively recommend and use the Essence and Extract of *Pinus Pumilio*, as produced in the well-known and long-established distillery of Austrian Pine Products belonging to Mr. Joseph Mack at Reichenhall.

"Believe me, yours truly,

"(Signed) G. von LIEBIG, M.D.,

"Member of the R.C.S., Knight and R. Bavarian Court Councillor, Professor in the University of Munich, Practising Physician during the Thermal Season at Reichenhall."

"Munich, Jan. 8th, 1888."

PINUS PUMILIO is not PUMILINE, and must not be confounded with it.

SPECIAL RETAIL DEPOT: ROBERTS & CO., Chemists, 76, New Bond Street, W.

A SAMPLE BOTTLE, AND PAMPHLETS EXPOSING THE IMITATIONS, FREE TO THE MEDICAL PROFESSION ON APPLICATION.

LOEFLUND'S HYGIENIC MILK-FOOD PREPARATIONS.

FOR CHILDREN AND INVALIDS.

FACTORIES AT STUTTGART AND HARBATZHOSEN, BAVARIAN ALPS.

Loeflund's Cream-Milk is the original rich milk from the Bavarian Mountains (10.85 per cent. Milkfat, Soxhlet) condensed without any addition whatever, without cane-sugar or antiseptics, sterilized in a special apparatus, free from all microbes, keeping in all climates for several years. Price 6d. a tin.

Loeflund's Kindermilch (Infants Food) for Infants up to Six Months old, is the above named Cream-Milk condensed with soluble Wheat Extract, free from all starch and cane-sugar or any other addition, containing 12.22 per cent. of Milkfat (Soxhlet), more than any other infants foods; easily assimilated by the most weakly infants. Price 1s. 6d. a tin of 400 grammes.

(NEW!) Loeflund's Alpine-Milk Biscuits (powdered) for children from 4 months up to 2 years are Loeflund's Kindermilch baked with best Wheaten flour, contain 25 per cent. Milk solids and Milkfat including the bone-forming Phosphates and Salts, especially Lime; highly nourishing, most easily digestible and of pure and agreeable taste. Ready for use by boiling in water. Price 1s. 6d. a tin of 320 grammes.

Cremor hordeatus Loeflundi (Condensed Cream Emulsion.) Made of the Cream of the above-named Milk, emulsified with our pure Malt-Extract; has long since been proved a perfect and delicious substitute for Cod Liver Oil. Reduced Price 2s. 6d. a tin.

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The *original* preparation of the late EDWARD PARRISH, for which SQUIRE & SONS were for twenty years the sole agents, and for the last thirteen years have been the authorised manufacturers.

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Introduced 1883.

ACONITE, BELLADONNA, CINCHONA,
COLCHICUM, DIGITALIS, GELSEMIUM, HYOSCYAMUS, IPECACUANHA, NUX
VOMICA, OPIUM.

SQUIRE'S SOLUTION OF BIMECONATE OF MORPHIA.

A Purified Solution of Opium, standardised to contain 1 per cent. of Morphine. The Solution of the British Pharmacopœia is very different from this, and must not be substituted when *Squire's* is ordered.

SQUIRE'S ELIXIR OF CASCARA.

The New Palatable Laxative.

Not exciting by its action the peristaltic movement of the bowel, it does not leave behind it that tendency to constipation which follows the use of most aperients. This preparation is composed of one of the simplest and most efficient laxatives known, combined with other ingredients which completely mask the nauseous taste of the Cascara.

Sold in bottles, retail, 2s. 6d. and 4s.

Samples of any of the above will be sent on application.

SQUIRE & SONS,
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H. TROMMSDORFF, Manufacturing Chemist, ERFURT.

SOZOIODOL

OR DI-iodoparaphenolsulphonic Acid is an

ODOURLESS SUBSTITUTE FOR IODOFORM.

Sozoiodol surpasses Iodoform by its promptitude of action in syphilitic, tuberculous & serofulvous ulcerations.

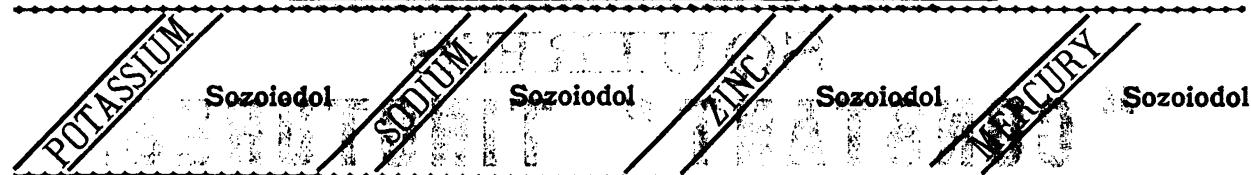
A NEW AND MOST POWERFUL ANTISEPTIC.

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Sozoiodol

COMPOUNDS

Have been applied in DERMATOLOGY, RHINOLOGY, LARYNGOLOGY and DENTISTRY with great success.



Potassium and Sodium-Sozoiodol are soluble in the proportion of 1 in 5, and have been applied pure, or mixed with equal parts of sugar or MILK. The alkaline salts are non-poisonous and absolutely free from any cauterizing or irritating effect. Zinc-Sozoiodol was applied mixed with 1 part to 5 or 10 parts of Sugar of MILK. Injections of a solution (1 in 50) have given excellent results in the treatment of ulceration of the generative organs, such as gonorrhœa. Mercury-Sozoiodol should be applied in dilutions of only 1 in 10 or 1 in 20.

The Sole Agent for the United Kingdom and Colonies is

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CARLSBAD NATURAL MINERAL WATERS & SALTS.

From the celebrated Alkaline and Saline Springs "SPRUDEL," "SCHLOSSBRUNNEN," "MUHLBRUNNEN," at the famous Health Resort of CARLSBAD.



NATURAL CARLSBAD SPRUDEL-SALT

contains all the essential ingredients of the CARLSBAD "SPRUDEL" MINERAL WATER, from which it is obtained by evaporation. It is alkaline, and readily soluble, either in warm or cold water. In small and frequent doses it is an efficient diuretic, but as an aperient it should be taken *before breakfast*, in doses of from 1 to 2 teaspoonsfuls, dissolved in water, preferably warm. To increase the aperient action of the Natural Carlsbad Mineral Water, a teaspoonful of the Salt, previously dissolved in a little hot water, should be added.

Samples (free) to Members of the Medical Profession on Application.

Sole Importers: INGRAM & ROYCE (and of all Chemists.)
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SOZOIODOL IS PERFECTLY ODOURLESS.

SOZOIODOL IS PERFECTLY ODOURLESS.

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DIGESTIVE FERMENTS.

BYNIN-LIQUID MALT.

(Prepared in vacuo).

A concentrated Liquid Extract of Malt, rich in diastasic power and possessing to the full the nutritive and strengthening properties of the best malted barley. A powerful aid in the digestion of all farinaceous foods. Bynin supersedes all other forms of malt extract in that it keeps indefinitely without change of any kind, and is far pleasanter to take than the ordinary preparations.

In bottles at 1.9 each; wholesale, 16/- per doz.

BYNO-PANCREATIN.

This is Bynin in combination with the digestive ferment of the pancreas. The energy of its action on amylaceous articles is remarkable, and it possesses the great advantage of keeping indefinitely without change.

It answers admirably for the preparation of peptonized foods; and is of great value in aiding the digestion of farinaceous foods.

4 oz. bottles, retail, 2/- each; wholesale, 18/- per doz.

| | | | | | |
|----------|---|-----|---|------|---|
| 8 oz. " | " | 3 6 | " | 32 - | " |
| 16 oz. " | " | 6 6 | " | 58 - | " |

BYNO-PEPSIN.

This is Bynin in combination with Pepsin. It thus affords, in a highly active and agreeable form, the agents required for the digestion of both animal and farinaceous food. It keeps thoroughly well.

4 oz. bottles, retail, 2/6 each; wholesale, 23/- per doz.

| | | | | | |
|----------|---|-----|---|------|---|
| 8 oz. " | " | 4/6 | " | 41 - | " |
| 16 oz. " | " | 8 - | " | 72 - | " |

MALT EXTRACT.

(Prepared in vacuo).

Rich in diastase and in muscle and fat-forming elements. As a nutritive and restorative agent for delicate and exhausted constitutions, it is admirably adapted for consumptive cases, and for convalescents from fever and other diseases. It promotes the digestion of farinaceous foods, and is therefore valuable in cases of difficult or imperfect assimilation of these substances.

In $\frac{1}{2}$ lb. bottles, retail, 2/- each; wholesale, 16/- per doz.

| | | | | | |
|-------------------------|---|-----|---|------|---|
| In $1\frac{1}{2}$ lb. " | " | 3 6 | " | 28/- | " |
|-------------------------|---|-----|---|------|---|

MALTED INFANTS' FOOD.

ALLEN & HANBURY'S INFANTS' Food, when mixed with Milk, according to the directions, forms a perfect food, easily assimilated, and free from the many drawbacks of the ordinary farinaceous foods. From the action of the diastase present, it prevents the aggregation of the caseine of the milk into hard lumps and so promotes its ready assimilation by the digestive organs of the infant.

It should be tried in all cases of Diarrhoea and Sickness, or where the use of other foods has not proved entirely satisfactory, as ample testimony shows that it can be retained and affords sustenance to the child when the ordinary infants' foods are rejected.

In tins at 6d., 1/-, 2/-, 5/- and 10/-, retail.

Manufactured by

ALLEN & HANBURY'S,
Plough Court, Lombard Street, London.

MORRHUOL

(CHAPOTEAUT.)

The active principles of 25 times its weight of Cod-liver Oil.

MORRHUOL is bitter, very aromatic, and partially crystalline at a low temperature; it is extracted by a simple process from pure Cod-liver Oil, and is dispensed in small tasteless spherical capsules, each of which contains 20 centigrammes, or the equivalent of one teaspoonful of Cod Liver Oil.

MEDICAL OPINIONS.

"Morrhuol represents the medicinal part of Cod-liver Oil, apart from its feeding value. It modifies rapidly the general state of the patient, and develops the appetite in a most extraordinary manner. Consumptive patients derive the same benefit as with the Oil."—*Dr. Gay, Professeur agrégé de la Faculté de Paris, Hôpital Laennec.*

"Cod-liver Oil soon fatigues the digestive organs and loads the tissues with fat. I employ with success a special preparation of Cod-liver Oil, known as 'Morrhuol,' 1 gramme of which represents 25 grammes of the crude drug. This is readily retained, easily assimilated, and its properties resemble those of the oil."—*Prof. Germain See, Le Régime Alimentaire des Malades, Paris* (1887).

"I have great faith in the modifying and renovating value of the active principles of Cod-liver Oil, so isolated, and I shall be happy if these few notes may serve to make its administration more general, for I consider it one of the rare specifics of our therapeutic arsenal."—*Dr. Pernod, Médecin des Pénitentiers du Dépt. du Rhône.*

Paris: GRIMAUT & CO., 8, Rue Vivienne; London: WILCOX & CO., 239, Oxford Street, W.

General Agents for the United Kingdom: SOUTHALL BROS. & BARCLAY, Birmingham.

PRICE, PER BOTTLE CONTAINING 100 CAPSULES, 3s. POST FREE.

CHAPOTEAUT'S PEPTONE WINE.

Each wineglassful contains the Peptone resulting from the digestion of 10 grammes of beef with pepsine.

CHAPOTEAUT'S PEPTONE WINE is especially Tonic, Nutritive, and Digestive; it nourishes convalescents, and constitutes a perfect aliment which children, adults, and old people take with pleasure, furnishing the reconstructive elements necessary to replace the loss occasioned by illness, rapid growth, or other exhausting causes.

CHAPOTEAUT'S PEPTONE POWDER is the only Peptone employed in M. Pasteur's laboratories for microscopic cultures, because of its recognized purity.

DUSART'S SYRUP AND WINE OF LACTO-PHOSPHATE OF LIME.

Phosphate of Lime (the restorer of muscular fibre and bone) rendered assimilable by the action of its natural solvent, Lactic Acid.

These Preparations act as general excitants of the nutritive functions, ensure digestion, stimulate the appetite, and enrich the milk of ladies suckling. They are prescribed with advantage in Teething, Rickets, or tardy development of children; and in Convalescence, Dyspepsia, Wounds, Fractures, and Affections of the Osseous System. The Syrup acts as a Specific in Infant's Green Diarrhoea.

DUSART'S SYRUP OF LACTO-PHOSPHATE OF LIME AND IRON.

Is a Ferruginous Medicine, Invaluable where any of the above cases are complicated with Anæmia.

SANTAL-MIDY.

OL. SANT. FLAV. PUR. (MIDY).

This Pure Essential Oil is distilled from Mysore Sandal Wood, by MIDY'S Process, and is dispensed in small, soluble, spherical Capsules, containing five drops each.

In diseases of the urinary organs "SANTAL-MIDY" has a very prompt and marked effect; in Blennorrhœa the discharge is reduced to a few drops of muco-pus in a few hours; and in Chronic Catarrh of the Bladder, Cystitis, and Nephritis it acts with excellent results, much more promptly, in fact, than with the impure oil of commerce. Dr. POSENEE, in a communication to the Berlin Medical Society, says:

"The purity of Ol. Santal is of the greatest importance; the best form we have used is the French preparation known as 'SANTAL-MIDY,' in small pearls easy to swallow, and readily supported by the stomach; the patients took from 10 to 12 daily."—*Deutsche Medicinal Zeitung*, July, 1886.

PARIS: Grimault and Co., 8, Rue Vivienne.

LONDON: Wilcox and Co., 239, Oxford Street, W. BIRMINGHAM: Southall Bros. and Barclay.

WYLEYS'

Gelatine-Coated Oval Pills.

(ENGLISH MANUFACTURE.)

Manufactured from selected drugs in our own laboratories, and placed before the medical profession at a moderate price.

SPECIAL COMBINATIONS.

[A List containing numerous other examples will be forwarded free on application.]

| Gross Bots. | Gross Bots. | Gross Bots. |
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| Aloin, Belladon, et Strychnin B Aloin $\frac{1}{2}$ gr., Ext. Belladon. Rad. Alch $\frac{1}{2}$ gr., Strychnin. $\frac{1}{2}$ gr. | Ergotin. Comp. B Ergotin 1 gr., Ferri Sulph. Exsic 1 gr., Ext. Hellebor 1 gr. Ol Sabine $\frac{1}{2}$ m., Ext. Aloes Soc. 1 gr. | Hydarg et Arsenic. Iodid. (Wyleys). Each pill equivalent to 5 minimis of Donovan's Solution... 1s. 8d. |
| 3s. 0d. | 3s. 0d. | |
| Bismuth. Pepsin. Co. (Wyley's), B Bismuth Nit. 2 gr., Pepsin Porci 1 gr., Ferr. Redact 1 gr., Strychnin $\frac{1}{2}$ gr. | Euonymin et Cascara. B Euonymin 1 gr., Ext. Cascara $\frac{1}{2}$ gr. | Leptandrin et Podophyllin. B Leptandrin 2 gr., Podophyllin $\frac{1}{2}$ gr. |
| 3s. 6d. | 4s. 0d. | 3s. Qd. |
| Cascara Sagrada (Ext.) 2 gr. | Euonymin et Iridin. B Euonymin 1 gr., Iridin 3 gr. ... | Morphinæ Mur. $\frac{1}{2}$ gr. Atropinæ Sulph. $\frac{1}{2}$ gr. |
| 2s. 0d. | 8s. 0d. | 2s. 0d. |
| Cascara et Nux Vomica. B Ext. Cascara $\frac{1}{2}$ gr., Ext. Nuc. Vomica $\frac{1}{2}$ gr., Gingerin, $\frac{1}{2}$ gr. ... | Euonymin et Pepsin. B Euonymin 2 gr., Pepsin 2 gr.... | Phosphorus $\frac{1}{2}$ gr., Quininæ Sulph. 1 gr., Ext. Nuc. Vom. $\frac{1}{2}$ gr. |
| 2s. 6d. | 7s. 6d. | 3s. 0d. |
| Casearia, Podophyllin et Nux Vomica. B Ext. Cascara 2 gr., Podophyllin $\frac{1}{2}$ gr., Ext. Nuc. Vomica $\frac{1}{2}$ gr. ... | Ferri Hypophosph. Comp. (Wyleys). Each pill represents one fluid drachm of Syrup of the Hypo- phosphites, and contains iron, lime, soda, potash, manganese, quinine and strychnine in combination with hypophosphorous acid | Podophyllin, Belladon, et Strychnin B Podophyllin Resin $\frac{1}{2}$ gr., Ext. Belladon. Rad. Alch. $\frac{1}{2}$ gr., Strych- nin $\frac{1}{2}$ gr. |
| 3s. 0d. | 2s. 6d. | 3s. 0d. |
| Caulophyllin et Pulsatilla. B Caulophyllin 2 gr. Ext. Pulsatilla Alch (Wyley's) $\frac{1}{2}$ gr. | Ferruginous (Blaud's) 3 and 5 gr. 1s. 8d. | Podophyllin et Pepsin. B Podophyllin $\frac{1}{2}$ gr. Pepsin 2 gr. 5s. 0d. |
| 5s. 0d. | | |
| Digitalis (Pulv.) 1 gr., Pil. Hydarg. 2 gr., P. Scillæ 2 gr., 1s. 8d. | Ferri Quininæ et Strychninæ Phosph. (Wyleys) Representing Easton's Syrup, each pill being equivalent to phosphate of iron 1 gr., phosphate of quinine 1 gr., phosphate of strychnine $\frac{1}{2}$ gr.... | Potass. Permang. 1 gr., 2 gr. 2s. 0d. |
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| Ergotin. (Bonjean's.) 3 grs.... | | Zinci Valer. et Asafætidæ aa. 2 grs. |
| 3s. 0d. | | 2s. 6d. |

MEDICAL OPINIONS.

TALFOURD JONES, Esq., M.B.Lond., etc., Honorary Consulting Physician (late Physician) to the Brecon County and Borough General Infirmary: "During the past two years I have frequently prescribed your gelatine-coated oval pills, and I have formed a high opinion of them. I believe them to possess every good quality, and I am not acquainted with any made in England that are in form, appearance, and efficacy, equal to yours."

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J. FARMER, Esq., M.R.C.S.E., L.S.A., etc., BRACKLEY, writes: "I consider them to be a great boon to the profession who have to prescribe and the patients who have to swallow them. I have prescribed them for more than a year and a half, and have had every reason to be satisfied with the accuracy and speediness of their action. Your list of *formula* is comprehensive and well selected, and I firmly believe the ingredients used are of the best in quality and strictly reliable."

W. CALWELL, Esq., L.R.C.P.Edin., L.R.C.S.Edin., etc., WELLINGTON, says: "Having used your gelatine-coated pills for some years, I cannot speak too highly of their effective qualities and beautiful appearance."

H. R. JACOBS, Esq., L.R.C.P., M.R.C.S.E., etc., CULWORTH: "I can fully testify as to their handsome appearance and increased efficacy, owing to their being more readily dissolved in the stomach, and thus, in many cases, more suitable than the ordinary pearl-coated pills."

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WYLEYS & CO., Manufacturing Chemists, Coventry.

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THE HYPNOTIC.

FORMULA.—Every Fluid Drachm contains 15 grs. EACH of pure Chloral Hydrat. and Purified Brom. Pot., and $\frac{1}{2}$ gr. EACH of gen. imp. ext. Cannabis Ind. and Hyoscyamus.

DOSE.—One-half to One Fluid Drachm in WATER or SYRUP every hour until sleep is produced.

INDICATIONS.—Sleeplessness, Nervousness, Neuralgia, Headache, Convulsions, Colic, Mania, Epilepsy, Irritability, &c. In the restlessness and delirium of Fevers it is absolutely invaluable.

IT DOES NOT LOCK UP THE SECRETIONS.

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THE ALTERATIVE AND UTERINE TONIC.

FORMULA.—Iodia is a combination of Active Principles obtained from the Green Roots of STILLINGIA, HELONIAS, SAXIFRAGA, Menispermum, and Aromatics. Each Fluid Drachm also contains 5 grs. Iod. Potas. and 3 grs. PHOS. IRON.

DOSE.—One or two Fluid Drachms (more or less indicated) three times a day, before meals.

INDICATIONS.—Syphilitic, Scrofulous, and Cutaneous Diseases, Dysmenorrhœa, Menorrhagia, Leucorrhœa, Amenorrhœa, Impaired Vitality, Habitual Abortion, and General Uterine Debility.

FOR SALE BY ALL CHEMISTS.

BATTLE AND CO., ST. LOUIS.

General Depot for Great Britain:—ROBERTS & CO., 76, New Bond Street, London, W.

THE SODEN MINERAL PASTILLES.

These LOZENGES are prepared from the Salts gained by evaporation from the three most effective Springs of BAD-SODEN in the TAUNUS, called—

No. I. MILCHBRUNNEN. No. III. WARMBRUNNEN. No. XVIII. WIESENBRUNNEN.

THE WELLS OF SODEN.

The greatest medical authorities of former and present times have universally recommended the Waters of Soden to possess the most powerful medicinal virtues in all kinds of Catarrhal Affections.

THE SODEN MINERAL PASTILLES

provide for those who cannot afford a long journey and an expensive sojourn at foreign hotels the entire benefits of these waters, which are so eminently curative in the class of diseases (Catarrh) prevailing so extensively in the British Islands.

It is a Natural Medicine, one provided by Nature herself, and not to be imitated by any production of the pharmacy or the laboratory.

SIR MORELL MACKENZIE writes:—"I have watched the effects of the Soden Waters for a considerable period, and regard them as extremely valuable in OBSTINATE CATARRHAL AFFECTIONS OF THE THROAT. The small amount of iron which they contain renders them very useful in the early stages of THROAT CONSUMPTION, and they do good in nearly all cases of relaxation of the mucous membrane. THE SODEN MINERAL PASTILLES offer a most convenient method of using the Waters, producing both a Local and General effect. They are especially beneficial in CATARRHAL DISEASES of the air passages. I frequently found them of great service in the case of Singers and Public Speakers."

(Signed) "MORELL MACKENZIE, M.D., LOND., late Physician to the London Hospital; Consulting Physician to the Hospital

"Sept. 2nd, 1887." "for Diseases of the Throat, Golden Square, and Physician to the Royal Society of Musicians."

Its adaptability to all constitutions is well attested by PROFESSOR VON LIEBIG in his book on these Waters (*Untersuchung der Mineral quellen zu Soden*, 1839), when he writes:—"The contents of these springs vary so curiously in their fixed as well as gaseous components, that the physician possesses in them a remedy fit for every organisation, the weak and irritable as well as the strongest."

NOTICE.—The Soden Mineral Pastilles are most successfully used—

A. In all Chronic Catarrhal Diseases of the Throat, Larynx, and Lungs.

Directions to A. In cases of this kind it is advisable to take one lozenge every two or three hours, letting it dissolve slowly in the mouth. In more serious cases dissolve three to five lozenges in 200 grammes Soden Warmbrunnen Mineral Water (No. 3), and take lukewarm three times daily. The diet must be an easy digesting one, but at the same time nourishing and substantial. Wine and beer may be taken in moderate quantities. In cases accompanied by diarrhoea the lozenges should not be taken.

B. In Chronic Catarrh of the Stomach and Intestines accompanied by Constipation and Dyspepsia, especially with contumacious Constipation, Hæmorrhoids, simple swelling of the Liver, and similar complaints of the Abdomen demanding a mild purgative treatment. The salutary effect of these Lozenges is especially remarkable when these cases appear in connexion with Catarrh of the Lungs.

Directions to B. In such cases dissolve ten to twelve lozenges in 300 grammes Soden Schwefelbrunnen Mineral Water (No. 6b), heated to about 95 degrees Fahrenheit, and drink slowly inside of fifteen minutes. Generally it is sufficient to take such a dose twice a day, an hour before breakfast and an hour before supper, but in cases of pertinacious constipation a third portion one hour before dinner must be taken.

We shall be glad to forward free of charge samples of our "Pastilles" to any Physician or Hospital, on application to

THE SODEN MINERAL PRODUCE COMPANY, 10, Dyer's Buildings, High Holborn, London, E.C.

PERFECTION IN SOLUBLE PILLS AND GRANULES.

Highest and only Award for Pills at International Medical and Sanitary Exhibition,
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Only Award, Brighton Health Congress and Sanitary Exhibition, 1881.

Numerous Gold and Silver Medals.

Large Reduction in Price.

SEE PRICE LIST.

THESE PILLS AND GRANULES ARE IN TASTELESS TRANSPARENT COATING.

Unequalled for Purity in Composition, Solubility in Coating, Uniformity in Size, Perfection in Form and Finish.

MANUFACTURED BY W. H. SCHIEFFELIN & CO.

SELECTED FORMULÆ OF PILLS.

ALOIN, STRYCHNIAE ET BELLADONNAE, PIL.

| | | |
|------------------------|----------|------------------|
| { Aloin, | 1·5 gr. | Dose: 1 Pill. |
| Strychnia, | 1·60 gr. | |
| Ext. Fol. Belladonnae, | 1·8 gr. | |

PIL. ALOIN, STRYCHNIAE ET BELLADONNAE COMP., W. H. S. & CO.

| | | |
|------------------|----------|------------------|
| { Alcin | 1·5 gr. | Dose: 1 Pill. |
| Strychnia | 1·65 gr. | |
| Ext. Belladonnae | ½ gr. | |

This pill is recommended in chronic constipation. The Aloin or its laxative effect, the Strychnia to relieve spasm of the intestines, the Belladonna because of its paralyzing influence upon the inhibitory intestinal nerves, and the Ext. Cascara Sagrada, obtained from the "Rhamnus Purshiana," in cases of habitual constipation, with hemorrhoidal tendency, has proved extremely useful, producing a mild action of the bowels without any griping effect. (Vide article by Dr. PROSSER JAMES in *Medical Press*, London, April 25th, 1883.)

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“SANITAS” as a LOCAL ANTISEPTIC.

Ten years' experience with “SANITAS” Disinfecting Fluid in our largest hospitals and general practice has satisfactorily established the following facts:—

1. “SANITAS” FLUID is an efficient antiseptic and oxidising agent, non-poisonous in character, and colourless.
2. “SANITAS” FLUID diluted with nine times its own quantity of water is quite strong enough for ordinary purposes, and is unirritating.
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4. For general purposes it may be stated that “SANITAS” FLUID is of just one-half the antiseptic strength of a 5 per cent. solution of Perchloride of Mercury. In other words, the antiseptic influence of 10 cubic centimetres of “Sanitas” is equal to that of 5 cubic centimetres of a 5 per cent. solution of corrosive sublimate.
5. “SANITAS” FLUID is unirritating to the hands; is without effect on the glaze of porcelain, and when diluted (1-9) does not corrode steel instruments. Sponges are also unaffected by it.
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We will gladly send a pint bottle and Scientific Reports on the “SANITAS” Preparations to any Medical Gentleman who may be unacquainted with their use and desires to test the accuracy of the foregoing statements.

As a sanitary re-agent and disinfectant for general use “Sanitas” Fluid ranks first in order of merit.

“SANITAS” FLUID is supplied in pint Bottles at 12s. per doz., or in any bulk at 5s. per Gallon.
Hospitals are Supplied at Reduced Rates.

“SANITAS” Disinfecting Fluids, Powder, Soaps, Jelly, Gauze, Wool, Lozenges, Fumigators, &c.
Sole Manufacturers also of “KINGZETT’S BACTERICIDES.”

THE SANITAS COMPANY, Limited, Letchford Buildings, Bethnal Green, E.

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SYR. HYPOPHOS. CO., FELLOWS.

CONTAINS THE ESSENTIAL ELEMENTS to the Animal Organisation—Potash and Lime;

THE OXIDISING AGENTS—Iron and Manganese

THE TONICS—Quinine and Strychnine;

AND THE VITALISING CONSTITUENTS—Phosphorous, combined in the form of Syrup with **SLIGHT ALKALINE REACTION.**

IT DIFFERS IN EFFECT FROM ALL OTHERS, being highly susceptible to oxidation during respiration, pleasant to taste, acceptable to the stomach, and harmless under prolonged use.

IT HAS SUSTAINED A HIGH REPUTATION particularly in the treatment of Pulmonary Tuberculosis, Chronic Bronchitis, and other affections of the respiratory organs. Is employed also in various nervous and debilitating diseases with success.

ITS CURATIVE PROPERTIES are largely attributable to Stimulant, Tonic, and Nutritive Qualities, whereby the various organs are recruited.

ITS ACTION IS PROMPT, stimulating the appetite and the digestion; it promotes assimilation, and enters directly into the circulation with food products.

The prescribed dose produces a feeling of buoyancy, and removes depression and melancholy; hence it is of great value in the treatment of mental and nervous affections. From its exerting a double tonic effect, and influencing a healthy flow of the secretions, its use is indicated in a wide range of diseases.

NOTICE.—CAUTION.—The success of Fellows' Hypophosphites has prompted certain persons to utter substitutes. Mr. Fellows, having examined several of these, finds no two samples identical, and all differ from the veritable, in composition, in freedom from acid reaction, in susceptibility to the effects of oxygen when exposed to light or heat, in the property of retaining the strychnine in solution, and in the medicinal effects.

SPECIAL NOTICE.

Lest any Members of the Medical Profession may be misled by the many specious advertisements of imitators of Fellows' Syrup of Hypophosphites, Mr. Fellows begs to publish the following, viz.—

That he is the sole inventor of the formula of Fellows' Compound Syrup of Hypophosphites, which was discovered and prepared for the first time for his own use in 1865, when out of health;

That the testimonials bear date from the year 1868;

That the genuineness of the early testimonials was certified by Aaron Alward, Esq., M.D., Mayor of the City of St. John, Province of New Brunswick, Canada, and the great seal attached on 6th February, 1868; and

That the formula of the Syrup has never since been changed.

Mr. Fellows therefore refers to the printed form surrounding every bottle, where the letters may be found in detail.

As cheap substitutes are frequently dispensed instead of the genuine, Mr. Fellows can only advise that his Syrup should be prescribed in the original bottles, 4s. or 7s., where the distinguishing marks will prevent imposition.

To guard against possible substitution and disappointment in prescribing, please write "Syr. Hypophos. Fellows."

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Suitable Presents for Medical Men. **Special offer open until Jan. 1, 1889.**

B. W. & Co.'s Hypodermic and Medical Pocket Cases supplied with Tabloids at Special Christmas prices, and Medical Diaries.

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THE "ABC" MEDICAL DIARY

AND

VISITING LIST 1889.

At Half Price, viz. 2s. post free.

The LANCET says:—"The A. B. C. Medical Diary and Visiting List, with which is contained the A. B. C. Materia Medica, Published by Burroughs, Wellcome & Co., Snow Hill Buildings, London. This book contains an addition of *valuable* notes of modern preparations, which cannot fail of being useful to medical men engaged in general practice."

The MEDICAL PRESS & CIRCULAR, Dec. 23, 1887, says:—"A new form of Medical Diary.—We have received a copy of the new style of medical diary published by Messrs. Burroughs, Wellcome & Co. It is an improvement in many respects upon the usual model, a liberal space being allotted to 'case accounts,' patients' and nurses' addresses, memoranda of visits, loans, &c., together with other useful information. It is printed on excellent paper, and is altogether a very convenient and useful publication."

B. W. & Co.'s Hypodermic Pocket Cases, fitted complete with syringe, needles, mortar and pestle, and 6 tubes of

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The Complete (B. W. & Co.) Hypodermic Pocket Case can be carried in the vest pocket, and contains space for syringe, needles, mortar and pestle, or tiny spoon (for crushing the Tabloids), also

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| Aluin | | Hydraq. Perchlor. | 1-60 & 1-80 gr. |
| Apomorphine | 1-35 & 1-10 gr. | Hyoscyamin | 1-80 & 1-10 gr. |
| Atropin Sulph. | 1-150, 1-100, & 1-60 gr. | Hyoscyine | 1-200 & 1-75 gr. |
| Caffein Sodio-Salicylate | 1-2 gr. | Morphine Bi-Meconate | 1-8, 1-6, 1-4, & 1-8 gr. |
| Coffein Phosphate | 1-4 gr. | Morphine Sulphate | 1-12, 1-8, 1-4, 1-4, 1-8 & 1-8 gr. |
| Cocaine | 1-6 & 1-2 gr. | Morphine and Atropin combinations | |
| Celatine | 3-00 gr. | Opium | 1-10, 1-8, & 1-9 gr. |
| Cornutin | 1-18 gr. | Quinine Hydrobromate | 1-500 gr. |
| Croton | 1-18 gr. | Solaceinotic Acid | 1-2 & 1 gr. |
| Digitalin | 1-100 gr. | Strophanthin | 1-500 gr. |
| Ergotinin | 1-150 & 1-90 gr. | Strychnine | 1-150, 1-100, & 1-60 gr. |
| Eserin | 1-100 gr. | | |

Hypodermic "Tabloids" of the principle drugs and alkaloids supplied to the Medical Profession in tubes, containing from 12 to 20 Tabloids, at 12s. per doz. tubes. Send for list of B. W. & Co.'s Hypodermic Pocket Cases.

TABLOIDS.

The "Tabloids" furnish all the advantages of pills, with none of their disadvantages. They contain no admixture whatever, and do not crumble or harden with time. They are made with the purest of drugs, and their action can always be relied upon with absolute certainty. We also offer on the same basis the following (B. W. & Co.) Medical Pocket Cases, fitted with a small compartment of Compressed Drugs in the form of Tabloids, at special Christmas prices.

B. W. & Co.'s Microcosm Case, No. 16, containing 10 3-drachm vials filled with Tabloids, Christmas price 1s.

B. W. & Co.'s Case, No. 17, containing 10 3-drachm vials filled with Tabloids, Christmas price 2s.

CASES OF TABLOIDS.

These Tabloids are made by compressing a small uniform and appreciable dose of medicine, triturated with sugar of milk, into lenticular form. Brunton has pointed out that this method of giving medicine has "the very great advantage that the desired effect can be produced with greater certainty and with less risk of an overdose being taken." The Tabloids of Triturated Drugs are easier to swallow than pills, and as the sugar of milk will dissolve as soon as it enters the stomach, they are certain to be disintegrated at once. They are pleasant to take.

LIST OF TABLOIDS OF TRITURATED DRUGS.

| Price to the medical profession, 8d. per bottle of 100 of the following Tabloids. Retail price, 1s. | Price to the medical profession, 8d. per bottle of 40 of the following Tabloids. Retail price, 1s. |
|---|--|
| Aconite Tinct. | 1 min. |
| Aryleum Acid. | 1-100 & 1-60 gr. |
| Belladonna Tinct. | 1 min. |
| Calcium Sulphide | 1-10 gr. |
| Capscium Tinct. | 1 min. |
| Digitalis | 1 min. |
| Hydraq. Perchlor. | 1-100 gr. |
| Hydraq. cum Crete (Grey Powder) | 1-8 gr. |
| Hydraq. Subchlor. (Calomel) | 1-10 gr. |
| Hyoscyamus Tinct. | 1 min. |
| Nux Vomica Tinct. | 1 min. |
| Tinct. Camph. Co. (Paxegoria) | 2 min. |
| | |
| Anti-Constitution—Aloin 1-5 gr. Strych. 1-60 gr. Belladon. Ex. 1-8 gr. Ipecac. 1-10 gr. | |
| Apomorphine Mur. | 1-50 gr. |
| Atropin Sulph. | 1-100 gr. |
| Digitalin | 1-100 gr. |
| Hyoscyamus Resin | 1-8 gr. |
| Hydraq. Red. Bals. | 1-80 gr. |
| Morphine Iod. Vir. | 1-8 gr. |
| Morphine Sulph. | 1-20 & 1-8 gr. |
| Opium Tinct. (Laudanum) | 2 min. |
| Opium Mur. | 1-60 gr. |
| Pedicularin Resin | 1-4 gr. |
| Santonin | 1-2 gr. |
| Strophantus Tinct. | 3 min. |

B. W. & Co.'s Leather Pocket Case, arranged to contain 10 Tubes of above Tabloids, 1s. 6d. empty; filled 5s. Christmas price 4s.

B. W. & Co.'s Leather Pocket Case, arranged to contain 16 Tubes of above Tabloids, 2s. 6d. empty; filled 8s. 6d. Christmas price, 6s. 6d.



BURROUGHS, WELLCOME & CO., Snow Hill Buildings, LONDON, E.C.

ALETRIS CORDIAL

UTERINE TONIC AND RESTORATIVE.

Prepared from the Aletris Farinosa, or True Unicorn.

INDICATIONS.—Amenorrhœa, Dysmenorrhœa, Leucorrhœa, Prolapsus Uteri, Sterility, to PREVENT Miscarriage, &c.

DOSE.—One teaspoonful three or four times a day.

UNRIVALLED as a UTERINE TONIC in IRREGULAR, PAINFUL, SUPPRESSED, and EXCESSIVE MENSTRUATION.

It restores normal action to the uterus and imparts vigour to the entire uterine system.

Where Women have aborted during previous Pregnancies, or in any case where abortion is feared, the Aletris Cordial is indicated, and should be continuously administered during entire gestation.

A. W. HAWTHORN, M.D., Rath House, Dromore, co. Down, Ireland, says:—“Aletris Cordial proved effectual in three cases of obstinate amenorrhœa after the usual remedies had failed.”

HAYGARTH M. ADDISON, L.R.C.P., London, N., says:—“Aletris Cordial is simply marvellous in its action. A splendid uterine tonic.”

WM. H. WATERFIELD, L.R.C.S., Plymouth, England, says:—“Used Aletris Cordial in a case of threatened abortion with great success.”

FRANCIS B. CANE, L.R.C.P. and L.R.C.S., Leeds, England, says:—“I have tried Aletris Cordial in dysmenorrhœa with splendid results.”

“Dr. W. BERTHELOT, Santander, Spain, says:—“Have found Aletris Cordia very useful in dysmenorrhœa.”

Dr. DEPREZ, Monteray, Belgium, says:—“Used Aletris Cordial in threatened miscarriage with perfect success.”

Price per Bottle, 4s. 6d.

S. H. KENNEDY'S CONCENTRATED EXTRACT OF PINUS CANADENSIS. A NON-ALCOHOLIC LIQUID.

A Most Valuable, Non-Irritating Mucous Astringent.

INDICATIONS.—Albuminuria, Diarrœa, Dysentery, Night-Sweats, Hæmorrhages, Profuse Expectorator, Catarrh, Sore Throat, Leucorrhœa, and other Vaginal Diseases, Piles, Sores, Ulcers, Burns, Scalds, Gonorrhœa, Gleet, &c.

When used as an Injection, to avoid staining of Linen, the WHITE Pinus should be used.

J. MARION SIMS, M.D., New York, says:—“I have used S. H. Kennedy's Ext. Pinus Canadensis with great success in affections of the vagina, cervix uteri, and rectum.”

G. T. SWAIL, M.D., Macclesfield, England, says:—“I have used S. H. Kennedy's Ext. Pinus Canadensis in a number of cases of gastro-enteric catarrh, and it has invariably proved effective, even where old stock remedies have failed.”

W. B. T. IVES, L.R.C.P., Southampton, England, says:—“I have used S. H. Kennedy's Ext. Pinus Canadensis with great and speedy success in gleet.”

JNO. DORG, L.R.C.S. Edin., Bathgate, Scotland, says:—“I find S. H. Kennedy's Ext. Pinus Canadensis a capital remedy in leucorrhœa applied topically, and also as a wash for old and indolent ulcers, and in long-standing cases of eczema.”

W. C. WILE, M.D., Philadelphia, U.S.A., says:—“S. H. Kennedy's Ext. Pinus Canadensis acts like magic in cases of burns.”

A. D. WEBSTER, M.D., Edinburgh, Scotland, says:—“I have used S. H. Kennedy's Ext. Pinus Canadensis with much success in catarrhal pharyngitis, also in diphtheria.”

Price per Bottle, 7s.

CELERINA.

Nerve Tonic, Stimulant, and Antispasmodic.

FORMULA.—Every Fluid-Drachm represents FIVE grains EACH—Celery, Coca, Kola, Viburnum, and Aromatics.

INDICATIONS.—Loss of Nerve-Power, Nervous Headache, Neuralgia, Paralysis, Dysmenorrhœa, Hysteria, Opium Habit, Inebriety, Prostatitis, Dyspepsia, and VARIOUS LANGUID or DEBILITATED conditions of the System.

DOSE.—One or two teaspoonfuls three or more times a day, as directed by the Physician.

G. A. SETZLER, M.D., Pomaria, S.C., says:—“Having a case of nervous dyspepsia under treatment with the usual remedies without any benefit, I concluded to try Celerina, and am happy to inform you with the best results; I am satisfied it is one of the best nerve-tonic that we possess.”

O. M. LITTLE, M.D., Washington, says:—“I have prescribed Celerina for nervous complaints — viz., fits, hysteria, epilepsy, headache from alcoholic excess, with successful results. As a remedy for impotency it has no equal.”

S. KNEELAND, M.D., Boston, Mass., says:—“I have used Celerina in an aggravated case of nervous prostration with spermatorrhœa with marked benefit.”

SAM. B. WOODY, A.M., M.D., Professor of Chemistry, Kentucky School of Medicine, Louisville, says:—“Celerina has proved in my hands a most valuable agent in the treatment of neuralgia, especially those forms incident to nerve exhaustion and uterine trouble.”

Price per Bottle, 4s. 6d.

RIO CHEMICAL CO., ST. LOUIS, U.S.A.

The above preparations are prepared exclusively for the Prescriptions of Medical Men. A sample of any or all of them will be sent free to any Medical Man who desires to test them on application to

BURGOYNE, BURBIDGES & CO., 16, Coleman Street, London,
GENERAL DEPOT FOR GREAT BRITAIN.

FOODS for INVALIDS.

Carnrick's Beef Peptonoids.

"The knowledge that a large number of meat preparations cannot be considered as nutritive," remarks the BRITISH MEDICAL JOURNAL, "has done much to discredit the use of such preparations in the sick room." At the same time, in many forms of acute asthenic disease it is only possible to administer nourishment by means of some preparation of meat. Accordingly, the problem we have endeavoured to solve in Beef Peptonoids has been, how to put in the hands of the practitioner a preparation, which will really afford good results in that large number of cases where, so to speak, the race is between the reconstructive properties of the preparation employed and the ravages of disease. In Beef Peptonoids, the dry lean of beef, partially digested, is combined with gluten-flour and the solids of milk. This preparation, as distinct from the ordinary meat extract, which, in the language of the BRITISH MEDICAL JOURNAL, is "little more than an ingenious preparation of the organic basis and mineral salts of meat," is very rich in albuminoids, containing, by Professor ATTFIELD's analysis, over 69 per cent. "Carnrick's Beef Peptonoids presents another distinguishing mark, as it contains a not inconsiderable quantity of *heat-producing* and *albumen-economising* elements—viz., 10·67 fat and 10·02 soluble non-nitrogenous substances, such as dextrine and sugar." (Prof. STUTZER, Analyst to the Government of Rhenish Prussia.)

Beef Peptonoids is a fine dry powder, that is very palatable, and can be administered to the most fastidious invalid. It may be taken in milk or with hot water, first making a paste with a small quantity of the liquid and then gradually adding more. Spread on bread-and-butter, it makes a palatable and nutritious sandwich, while a small quantity will convert soups, broths, or beef-tea into really nutritive foods.

The use of Beef Peptonoids is indicated as follows:—Convalescence from all diseases, Pulmonary Affections, Pneumonia, Phthisis, Marasmus, Gastric Ulcer, and all intestinal diseases; Dyspepsia, Vomiting in Pregnancy, and all cases of failure to retain food; Fevers, Diarrhoea, and Dysentery.

"The distinguishing character of the preparation is the large proportion of soluble albumen and peptone present in combination with the extractives and salts that are valued for their stimulating properties. Carnrick's Beef Peptonoids have won high approval as an excellent dietetic preparation."

—BRITISH MEDICAL JOURNAL.

"Possesses the convenience of being always ready. I have given it alternately with milk, every two or three hours, day and night, and the patients have declared it more supporting than anything else."—Dr.

PROSSER JAMES, in an article in the MEDICAL PRESS AND CIRCULAR.

During the past two years Beef Peptonoids has been employed by surgeons in the British service among coolies, where the percentage of mortality was very great. It was found to reduce the death-rate so largely, that it was placed on the "requisition list," and is now regularly employed.

Carnrick's Liquid Peptonoids.

In this preparation Beef Peptonoids is entirely digested and dissolved in sherry wine. The result is a very concentrated, digestible, and palatable food-stimulant.

In taste and odour Liquid Peptonoids is compared to a delicate wine or cordial. Liquid Peptonoids is prescribed in all cases of indigestion where there is a difficulty in retaining nourishment, in diphtheria and all forms of sore throat. Liquid Peptonoids is an ideal food on account of its easy administration. In vomiting of pregnancy and the morning weakness of old people, Liquid Peptonoids has been of signal service. The combination of nutritive and stimulant properties renders it of great value in convalescence, especially after fevers.

The LANCET says: "A very valuable condensed food, a very powerful and agreeable tonic and stimulant."

The BRITISH MEDICAL JOURNAL: "Readily taken and well borne, even by a very delicate stomach."

The MEDICAL PRESS AND CIRCULAR: "An eminently assimilable mixture of fibrine, gluten, and caseine."

A very pleasant addition to an invalid's dietary is made by the preparation of a palatable and nutritious jelly with Liquid Peptonoids.

The following recipe has been found very successful:—

One ounce of French gelatine; half a pound of loaf sugar; the juice and rind of one lemon; one pint of boiling water; the whites and shells of two eggs; one gill of Carnrick's Liquid Peptonoids. Put the French gelatine in half a gill of cold water on the range and stir till dissolved, then strain and add the other ingredients and boil the whole four minutes, whisking all the time.

The jelly thus made is far more nutritious and restorative than ordinary wine-jelly, and far more palatable and wholesome than the beef-jellies of the shops.

We also manufacture LIQUID PEPTONOID c. COCA, and PEPTONOID IRON and WINE.

Beef Peptonoids is put up in 4 oz., 8 oz., and 16 oz. tins, 4/6, 8/6, and 16/-; Liquid Peptonoids in 8 oz. and 16 oz. bottles, 3/6 and 6/6.

Special Terms to Medical Men and Hospitals.

Samples Free to Medical Men.

CARNRICK & Co., Ltd., 24 & 25, Hart Street, Bloomsbury, London, W.C.

COMBINATIONS of MALTINE and FORMULÆ.

MALTINE with LIME.

Each fl. oz. contains:—Hypophos. Lime and Soda, each,
3 grs.
Hypophos. Iron, 2 grs.

MALTINE with PHOSPHATES.

Each fl. oz. contains:—Phosphate Lime, 4 grs.
Phosphate Soda, 4 grs.
Phosphate Iron, 3 grs.

MALTINE with EASTON'S SYRUP.

Each fl. oz. contains:—Phosphate Iron 4 grs.
Quinia, 1 gr.
Strychnia, $\frac{1}{2}$ gr.
Also sine Strychnia.

MALTINE with PHOSPHORUS.

Each teaspoonful contains $\frac{1}{2}$ gr. phosphorus.
(This preparation has been prepared at the suggestion of Dr. James Carmichael, F.R.C.P., for the treatment of Rickets.)

MALTINE with PHOSPHORUS COMP.

Each fl. oz. contains:—Phosphorus, $\frac{1}{2}$ gr.
Quinia Sulph., 1 gr.
Strychnia, $\frac{1}{2}$ gr.

MALTINE with IRON.

Each fl. oz. contains:—Pyrophos. Iron, 8 grs.

MALTINE with CIT. IRON AND BEEF.

Each fl. oz. contains:—Extract of 1 oz. of Beef.
Citrate Iron, 4 grs.

MALTINE with PEPSINE AND PANCREATINE.

Each fl. oz. contains:—Pepsine, 15 grs.
Pancreatine, 15 grs.

MALTINE with PEPTONES.

Each fl. oz. contains the nutritive properties of $1\frac{1}{2}$ oz. of Beef digested.

MALTINE with HOPS.

Maltine combined with 2 per cent. of Hops.

MALTO-CARRAGEEN.

Each pint of this preparation contains:—
Maltine and Hops, 14 oz.
Carrageen, 1 oz.
* Yerbine, 1 oz.

* (The active principle of Yerba Santa.)

MALTO-VIBURNIN.

Each fl. oz. of Maltine and Hops contains the active principle of $\frac{1}{2}$ oz. Viburnum Prunifolium.

MALTINE with CASCARA SAGRADA.

Each fl. oz. contains:—Fl. Ext. of Cascara Sagrada, $1\frac{1}{2}$ drs

MALTINE with COD-LIVER OIL AND PAN-CREATINE.

Each fl. oz. of Maltine and Cod-Liver Oil contains:—
Pancreatine, 15 grs.

MALTINE with COD-LIVER OIL AND PHOSPHATES.

Each fl. oz. of Maltine and Cod-Liver Oil contains:—
Phosphate Lime, 4 grs.
Phosphate Soda, 4 grs.
Phos. Potassa, 3 grs.
Phos. Iron, 3 grs.

MALTINE with COD-LIVER OIL AND PHOSPHORUS.

Each fl. oz. of Maltine and Cod-Liver Oil contains:—
Phosphorus, $\frac{1}{2}$ gr.

MALTINE with COD-LIVER OIL AND IODIDE OF IRON.

Each fl. oz. of Maltine and Cod-Liver Oil contains:—
Iodide Iron, T. and S., 4 grs.

MALTINE with ALTERATIVES.

Each fl. oz. contains:—Chloride Calcium, 5 grs.
Chloride Magnesium, 5 grs.
Bromide Sodium, 5 grs.
Iodide Potassium, 1 gr.
Iodide Iron, $\frac{1}{2}$ gr.

SAMPLES FREE TO MEDICAL MEN.

In $\frac{1}{2}$ lb. and 1lb. bottles, 3/6 and 6/6 retail, 2/8 and 5/- to the Medical Profession.
Also in Winchester Quarts for dispensing, 20/- each. Maltine Plain and Maltine with Hops, 2/9 and 4/6 retail,
2/- and 3/6 to the Profession; Winchester Quarts, 15/- Maltine with Cod Liver Oil, 3/- and 5/6 retail,
2/2 and 4/- to the Profession; Winchester Quarts, 18/- each.

THE MALTINE MANUFACTURING COMPANY, Limited,
24 and 25, HART STREET, BLOOMSBURY, LONDON, W.C.

With the Compliments of

[December 22nd, 1888.

The Maltine Manufacturing Company, Ltd.**MALTED****BARLEY,****WHEAT,****and OATS.****30 PER CENT.****PURE****NORWEGIAN****COD-LIVER OIL.**

MALTINE WITH COD-LIVER OIL.

Rationale of the Combination.

The great success which has attended the use of this preparation is due to the observance of a well-known principle of dietetics in the choice of Maltine as a menstruum for the oil.

The **Digestion of Fats**, it has been demonstrated, is greatly promoted by their incorporation with another food, which then acts as an attenuant of the fat, facilitating its digestion and absorption. Obviously this principle is utilised to the fullest extent when cod-liver oil is combined with a food so well adapted for this purpose as Maltine.

Its consistence is very convenient, as it is of almost the same specific gravity as the oil, and makes a more perfect combination than the thick, molasses-like extracts, besides being more pleasant to take. We may say we were the first to appreciate the importance of combining Cod-Liver Oil with Malt Extract; and by virtue of elaborate machinery and perfected processes the combination is more intimate than in any other preparation of oil and malt.

"Patients who are unable to tolerate the purest and most carefully prepared cod-liver oil can readily digest and assimilate it when mixed or combined with Maltine."—*British Medical Journal*.

"Fulfils all the conditions necessary for perfect digestion."—*Medical Press and Circular*.

Combined with Maltine, cod-liver oil is no more objectionable to the palate than butter is when spread on bread.

"As regards taste, that of the cod-liver oil is almost entirely concealed, and what suspicion there is of it is not at all unpleasant."—*Brit. Med. Journ.*

"An elegant and palatable preparation."—*Medical Press and Circular*.

Maltine with Cod-Liver Oil never separates—in this respect differing from emulsions that are made with water, gums, &c., or extract of malt of inappropriate consistence.

There is an obvious economy in prescribing a preparation in which the attenuant of the oil is a food "rich in nutritive matters," rather than the plain, indigestible oil or a mixture of oil, water, and chemicals.

The nutritive value of this combination is far in excess of any other preparation of cod-liver oil; as it contains, besides the fat-forming principles of the oil, the abundant phosphates, albuminoids, and carbohydrates extracted from Wheat, Oats, and Barley.

The word "MALTINE" is our Registered Trade Mark. In prescribing please write, "MALTINE with COD-LIVER OIL (The Maltine Mfg. Co.)"

AMPLES FREE TO MEDICAL MEN.

The Maltine Manufacturing Company, Ltd.
24 & 25, HART STREET, BLOOMSBURY, LONDON, W.C.

INFANT DIET.

Rickets.

As regards the causation of rickets, it was stated by Dr. Cheadle (Discussion on Rickets at the Glasgow Meeting of the British Medical Association), that the question is narrowed and simplified to one of diet. The food factor is the only factor that is constant. Rickets, it was agreed, were most rife among hand-fed children, and this fact was attributed to the deficiency of most of the artificial foods in fat and proteids and also phosphate of lime. The following conclusions were drawn:—

1. It is primarily a diet disease which can be caused by rachitic diet and cured by anti-rachitic diet.
2. The chief defect in diet which causes rickets is want of animal fat.
3. With this, probably, also deficiency of the earthy salts in form of phosphates.
4. A deficiency in proteids in conjunction with the preceding intensifies the condition.

Treatment.

“The only essential condition is that infants should be placed upon diet which contains in digestible form an ample amount of animal fat with sufficient proteid salts and carbo-hydrate; on such a diet there is no rickets.”

An examination of Carnrick's Soluble Food shows that it contains in a digestible form the elements necessary to an anti-rachitic diet. Dr. Stutzer, of Bonn, Food Analyst to the Government of Rhenish Prussia, made an independent analysis of the different infants' foods in the market, and describes them, with one exception, as “deficient in either proper nutrition, or disproportionate in their non-nitrogenous and nitrogenous components and inorganic salts.” “Carnrick's Soluble Food, however, excels the other foods by its greater amount of nitrogenous substances, and by the relative proportion of its essential constituents. It also contains a larger quantity of the bone-forming inorganic substances, and of the solid constituents of milk. The milk used in this food is treated with pancreatine, thus rendering the caseine more easy of digestion. This certainly is a very rational method, and is applied by no other manufacturer of Infants' Food. It is also very pleasant to the taste.”

Formula for Carnrick's Food.

Evaporated (desiccated) milk, PARTLY peptonised, and completely sterilised, combined with Dextrine and Milk sugar (Lactose). Thoroughly mixed and presented for use in the form of a fine dry powder.

Soluble Food is put up in 4 oz., 8 oz. and 16 oz. bottles, 1s. 6d., 2s. 6d. and 4s. 6d. retail.

To the Medical Profession, 1s. 1d., 1s. 11d. and 3s. 6d.

Samples Free to Medical Men.

CARNRICK & Co., Ltd., 24 & 25, Hart Street, Bloomsbury, London, W.C.

Partial Digestion.—By means of Extract of Pancreas the caseine of cow's milk is rendered partially soluble, the remaining undigested portion being light and flocculent, like the caseine of human milk. The caseine is only partly digested in order that the *digestive functions may not be enfeebled by inactivity*. The Extract of Pancreas is in every case FRESHLY made. This is a most important point.

Dextrine.—Recent researches have taught us that dextrine is the best form of carbo-hydrate, as it is non-fermentable and does not irritate the stomach of the infant.

Milk Sugar is added to bring up the proportion of fat. This may be further increased, if considered desirable, by the addition of cream, or the administration of cod-liver oil in its most agreeable and digestible form, by means of “Maltine with Cod-Liver Oil.” Analysis shows that the proportion of albuminoids in Soluble Food is almost identical with that in an average sample of human milk—viz. 17 per cent. Soluble Food requires the addition of water only, and one or two minutes heating to be ready for use. In most cases it will be found a nutritious and digestible aliment, containing in the proper proportion the elements necessary for the growth and sustenance of the child.

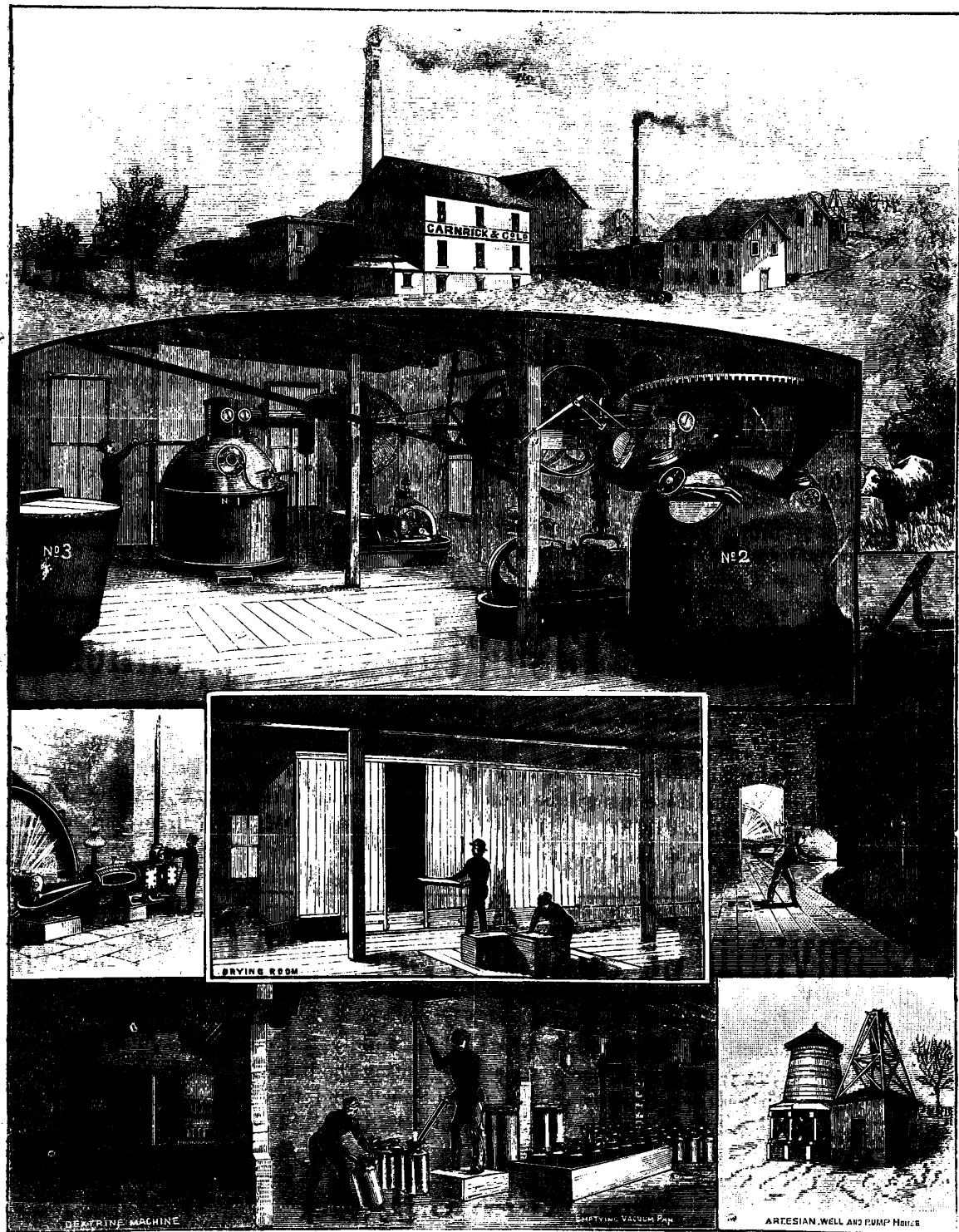
Of the other prepared foods we need not speak, since scientific opinion appears to be against them. Let us now consider the

Objections to Peptonising Milk.

Dr. Cheadle states:—“Digested food given continuously causes enfeeblement of digestive power, by superseding the natural function, and appears to be liable to cause rickets and scurvy.”

Further, “The necessary skill and intelligence to ensure uniformity of result for the extemporaneous peptonizing of milk are rarely to be found in the household” (Report of Committee on Diseases of Children, at the Meeting of the American Medical Association), and perhaps the greatest objection of all is, that these pancreatic ferments readily decompose and form products—probably ptomaines—that are decidedly dangerous in their action.

The necessary deduction from this is that cow's milk should be partially peptonised by scientific chemists, with absolutely FRESH pancreatine, as in the manufacture of Soluble Food.



No. 1. Condensed milk vacuum pan.

No. 2. Vacuum pan or reducing the milk to powder.

No. 3. The milk digester.

Illustration representing our Factory and the Machinery employed in the Manufacture of CARNRICK'S SOLUBLE FOOD.

For description of Soluble Food please refer to opposite page.

CARNRICK & Co., Ltd., 24 & 25, Hart Street, Bloomsbury, London, W.C.

Liq. Euonymin et Pepsin Co.

(OPPENHEIMER'S)

From the BRITISH MEDICAL JOURNAL, February 14th, 1885.—“This is an exceedingly well devised and valuable preparation, combining, in a very useful and palatable form, a valuable hepatic and digestive agent. *It meets a want very often felt by prescribers* in the treatment of the forms of indigestion and flatulence due to deficient secretion of bile, as well as atony of the stomach and insufficient secretion of gastric juice. The preparation is likely to be found exceedingly useful, and in practice we found it very convenient and valuable.”

From the MEDICAL TIMES, July 18th, 1885.—“This preparation (introduced by Messrs. Oppenheimer Bros. & Co.), contains both of its constituents in a thoroughly soluble and active form. There is no doubt that, in order to get satisfactory results with Euonymin, it is, as a rule, necessary to give it in repeated doses for a certain length of time, and not merely for two or three nights in succession, which, owing to a mistaken idea as to its resemblance to blue pill, was for long the favourite mode of administration. The present preparation, when taken after every meal, for a week, has been credited by us with good results in relieving the symptoms usually attributed to functional derangement of the liver.”

* From the EDINBURGH MEDICAL JOURNAL, May 1st, 1886.—“We can confidently recommend it as an excellent preparation in Dyspepsia depending on hepatic derangements.”

From the LONDON MEDICAL RECORD, February 16th, 1885.—“This preparation will be found exceedingly effective, and, in practice, we have proved it both handy and satisfactory.”

Liq. Euonymin et Bismuthi Co. (Oppenheimer's)

This preparation possesses in addition to the aperient, diuretic and expectorant properties of the hepatic stimulant Euonymin, the sedative, astringent, and antiacid action of Bismuth, which clinical experience proves beyond doubt acts mechanically on the gastric nerves, shielding them from irritating secretion; therefore this combination of Euonymin and Bismuth will be found invaluable in all PAINFUL GASTRIC AFFECTIONS, and in the cure of DYSPEPSIA, ULCER OF THE STOMACH, and VOMITING from various causes. In BILIOUS DIARRHœA it has almost a specific action.

Liq. Euonymin et Cascarae Sagradae Co. (Oppenheimer's)

This combination of our Euonymin with Cascara Sagrada possesses the following therapeutic action in addition to the cholagogic action of Euonymin. It stimulates mildly the entire glandular apparatus of the large and small intestines, increasing muscular power and regulating the propelling force, the bowels continuing to act naturally and regularly after the preparation is discontinued, and therefore Liq. Euonymin et Cascarae Sagradae Co. will be found most useful in the treatment of CHRONIC CONSTIPATION WITH HEPATIC DERANGEMENTS.

PREPARED ONLY BY

OPPENHEIMER BROS. & CO.,
Manufacturing Chemists,

1 & 3, SUN STREET, FINSBURY SQUARE, LONDON, E.C.

These remedies are not advertised to the public, but have been devised and perfected for the sole use of the Medical Profession in the treatment of Dyspepsia, Indigestion, and kindred ailments.

SCHACHT'S LIQUOR BISMUTHI.

Absolutely pure. The original preparation, invented and introduced to medicine by Mr. Schacht in 1855. Its distinct superiority is universally admitted. In $\frac{1}{2}$ lb., 1 lb., 2 lb., and 5 lb. bottles. Dose: one drachm diluted; equivalent to a full dose of the Trismistrate. When prescribing or ordering, please to specify "SCHACHT'S."

SCHACHT'S LIQ. BISMUTHI SEDATIVUS.

Contains pure Bismuth and *Pepsina Liquida* in combination with sedatives—viz., in each drachm gr. 1-24 Morphia, min. ij. Acid Hydrocyan. B.P., and min. v. Tinct. Nucis Vom. A formula most serviceable in the treatment of gastric pain. In 4 oz., $\frac{1}{2}$ lb., and 1 lb. bottles.

SCHACHT'S SYR. CINCHONÆ ALCOHOLICUS.

A standard preparation, of definite alkaloidal strength, containing the entire medicinal properties of the finest Cinchona Bark. It is, in fact, *Bark minus the woody fibre*, and its efficiency has been proved by careful medical inquiry. Dose: Ten to sixty drops.

SCHACHT'S PEPSINA LIQUIDA (Registered Title).

Fluid pepsine of extraordinary activity—tasteless, odourless, attractive to patients, and reasonable in price. Every teaspoonful when tested by the official B.P. process is *guaranteed* to effect the solution of 1000 grains **AND MORE** of albumen, a weight equal to that of two hard-boiled eggs. Peptic power is the only test of value. Most of the fetid and repulsive dry Pepsines have proved worthless. In 4 oz. bottles, 2s. 6d. each; and larger sizes for dispensing at a cheaper rate.

SCHACHT'S PEPSINA LIQ. c. BISMUTHO.

Each drachm contains in a concentrated form, besides the fluid pepsine, a full dose of Schacht's Liquor Bismuthi. An elegant and successful combination. Dose: One drachm. For dispensing, $\frac{1}{2}$ lb. and 1 lb. bottles.

N.B.—*Peps. Liq. c. Bismutho Co.* contains, in addition, one gr. of soluble Euonymin in each drachm.

SCHACHT'S PEPSINA LIQ. c. EUONYMIN.

Each drachm contains one grain of soluble Euonymin, and is a highly active and reliable, digestive, and hepatic stimulant. Dose: One drachm. For dispensing, $\frac{1}{2}$ lb. and 1 lb. bottles.

SCHACHT'S LIQUOR CASCARÆ DULCIS.

A trustworthy and active form of Cascara Sagrada, from which the nauseous taste of that drug has been completely removed. Dose: One to three teaspoonfuls diluted. In 4 oz., $\frac{1}{2}$ lb. and 1 lb. bottles.

SCHACHT'S LIQ. PODOPHYLLI c. BISMUTHO

Has been prepared at the suggestion of an eminent Physician. The value of Podophyllin as a cholagogue or hepatic stimulant is unquestioned. Great uncertainty, however, attends its use when given in the solid form; but when administered in this perfect solution its action is sure and certain. Schacht's Liq. Podoph. contains a quarter of a grain in a drachm, and may be combined with other medicines as desired.

Of all leading Wholesale and Retail Houses in Great Britain, India, and the Colonies. When ordering, please specify "SCHACHT'S."

MANUFACTURERS :

**GILES SCHACHT & CO., Pharmaceutical Chemists,
CLIFTON, BRISTOL.**

NESTLÉ'S FOOD, FOR INFANTS,

ALSO FOR CHILDREN AND INVALIDS.



PREPARED IN VEVEY, SWITZERLAND.

The Basis of **NESTLÉ'S FOOD** is CHOICE MILK from SWISS COWS, to which is added a little SUGAR and some WHEAT FLOUR, the insoluble parts of which have been excluded by a special PROCESS OF BAKING. The product obtained in this way acts as a solvent upon the caseine, and prevents the Milk from curdling in large lumps, thus rendering the whole compound, which is of the highest nutritive value, as digestible as MOTHER'S MILK.

NESTLÉ'S FOOD, containing Milk in itself, is instantly prepared with the simple addition of water.

It is recommended by the highest Medical Authorities throughout the world. Pamphlet containing their Testimonials and original Tin of the Food will be sent free on application to Depôt, 9, Snow Hill, London, E.C.

PRIZE MEDAL, International Health Exhibition, 1884. AWARD OF MERIT, International Medical and Sanitary Exhibition, London, 1885.

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Pure Black Tea, 2s., 2s. 6d., & 3s. per pound; Plantation Coffee, 1s. 6d. per pound;

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Van Abbott's Concentrated Beef Tea, in bottles, 2s. each, made under quite a new process.

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Relieves the paroxysms in from five to twenty minutes. As attested and approved by over 20,000 persons. Its great success in all parts of the United States has induced the proprietors to introduce it to the Medical Profession of the United Kingdom.

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Made from the purest fat, saponified and incorporated with a powerful Alcoholic Solution of Coal-Tar, the black inert matter being rejected.

Sold by all Druggists. A refreshing Toilet Soap.

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Proprietors:

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The Medical Profession is invited to discourage the sale of inferior COAL-TAR SOAPS.

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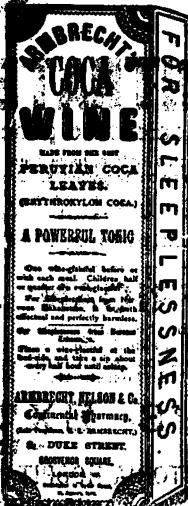
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FOR FATIGUE OF
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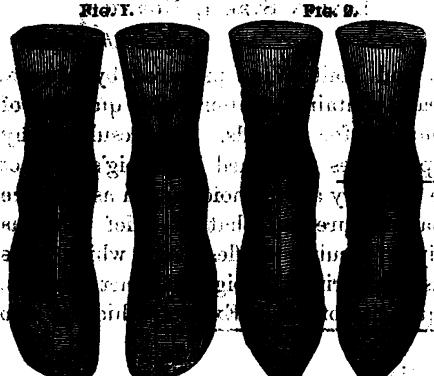
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Midway between the Charing Cross Hotel and
The Strand, have been noted for sixty-four years for the excellence
and peculiar comfort of their BOOTS and SHOES.
They are made so that the toe (the great toe especially) have their full play and liberty of extension
under the weight of the body, room for the
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as Fig. 1, instead of being curved off to the centre
of the foot, as Fig. 2.



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Silver Medals from the International Health Exhibition
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Gentlemen's, Ladies', and Children's Boots and
Shoes are made, and special attention is given to
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Little Children's Shoes are made of the exact shape
of their feet, and performed with ample room for
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Should be prescribed in
cases of Indigestion,
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A Soluble Combination of Guaiacum with Lithium
prescribed with great benefit in Chronic Gout and
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BENZOATE OF LITHIUM.

Dose: 10 to 30 grains.

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Dose: 10 to 30 grains.

BLAKE'S LITHIA WATER, P.B.

Guaranteed of full strength by the Original Makers,

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PICCADILLY, LONDON.

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FOR 100 SAMPLES.

Dr. W. JOHNSTONE, F.I.C., F.C.S., F.G.S.,
Public Analyst, undertakes the analysis of samples
of water for M.O.H. (labour fee).

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N.B.—ALL ABSORBENT.

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CHANCERY LANE. THREE per CENT. INTER-
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TWO per CENT. on CURRENT ACCOUNTS, calcu-
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application to FRANCIS RAVENSCROFT, Manager.

Fry's Cocoa

FRY'S PURE CONCENTRATED SOLUBLE COCOA

Prepared by a new and special scientific process securing extreme solubility.

A large number of testimonials approving in the highest terms of this article, have been received from the medical faculty, who state that they have not only adopted it for family use, but have also recommended it in many cases to their patients. Apply for Samples and Copy of Testimonials to the Manufacturers.

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Gold Medals, Edinburgh and Liverpool Exhibitions, 1886. 36 Prize Medals awarded to the Firm.

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gives immediate relief in the worst attacks of Asthma, Bronchitis, Hay Fever, Whooping Cough, and ordinary Colds. Used under high medical sanction. A well known scientist writes:—"I may tell you I have tried Stramoniun and Datura Tatula Cigars and Cigarettes, and other well known remedies, English and Foreign but they do not give so much relief." In boxes at 2s. 6d. and 4s. 6d. A sample sent post free to the profession.

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"Registered."

Used in the VICTORIA HOSPITAL for SICK CHILDREN, QUEEN'S ROAD, S.W.

Specially prepared for producing **Artificial Human Milk** by an easy method of treating Cows' Milk. Being not more difficult to prepare than the ordinary Infants' Foods. Strongly recommended by prominent consulting physicians.

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In Cases sufficient for a month, 2s, post free.

SOLE PROPRIETOR AND MANUFACTURER:

R. W. WALDEN, 65, Elizabeth Street, Eaton Square, London, S.W.

REPORT

ON

Coleman's Liebig's Extract of Meat and Malt Wine

By FRANCIS SUTTON, Esq., F.C.S., Public Analyst for the County of Norfolk, etc.

FRANCIS SUTTON, ESQ., F.C.S.,
Analytical and Consulting Chemist,
Author of *Handbook of Volumetric Analysis*,
Chemist to the Norfolk Chamber of Agriculture,
Gas Examiner for the City of Norwich.

NORFOLK COUNTY ANALYST'S OFFICE,

LONDON STREET, NORWICH,

July 25th, 1888.

I hereby certify that I have made an exhaustive analysis of the Meat and Malt Wine prepared by Messrs. Coleman & Co., Limited, Norwich, with a view to determine chiefly whether it really contains an appreciable quantity of Meat Extract, and whether it is entitled to be classed as a suitable dietetic stimulant for invalids. The result of my analysis proves that it does contain a suitable proportion of all the most valuable principles contained in Liebig's Extract of Meat. It is well known to physiologists that this extract is not valued for the ordinary albumenoids (such as gelatine and albumen), which are, indeed, excluded to a large extent by the process of manufacture, but that its chief value, as shown by Baron Liebig himself, consists in its containing those essential principles peculiar to flesh, and which have a remarkable restorative power over the nervous system of invalids, thus rendering Liebig's Extract famous. In addition to these valuable substances the wine also contains a considerable quantity of Malt Extract, which is also well known and appreciated as an excellent restorative in cases of debility.

In addition to this the wine is of pure, natural quality, free from sophistication.

As witness my hand,

(Signed) FRANCIS SUTTON,

Public Analyst for the County of Norfolk, etc.

Samples sent free to the Medical Profession.

Sole Manufacturers:—COLEMAN & Co., Limited, Norwich and London.

THE KAISER'S COCOA.

(PEPTONISED.)

IN POWDER FOR BREAKFAST, &c., OR IN TABLETS.

As taken by the late EMPEROR FREDERICK on the recommendation of Dr. Leyden.
PERFECT FLAVOUR. NO OBJECTIONABLE TASTE. EASILY DIGESTED.

Price 1s. 6d.
per Tin.

"The article is in every way of satisfactory quality."—BRITISH MEDICAL JOURNAL.

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per Tin.

Sole Agents: SCHEIBLER BROS. & CO., 28, New Broad Street, E.C.

ROWNTREE'S



The "ILLUSTRATED MEDICAL NEWS" says—

"An Extract of Cocoa which must take high rank amongst similar articles of diet for its strength and purity, . . . is economical, free from bitterness, easily prepared for use, and of delicious flavour."

THE COCOA WORKS, YORK, ENGLAND.

VAN HOUTEN'S COCOA

EASILY DIGESTED—PURE—SOLUBLE—MADE INSTANTLY.

INCOMPARABLY THE BEST & MOST ECONOMICAL.

Very Strong & Nutritious, THIS Cocoa is Cheaper and more Satisfying than Tea.

"Admirable," BRITISH
 "flavour perfect," MEDICAL
 "and SO PURE" JOURNAL.

"Delicate aroma," THE
 "PURE and unmixed," LANCET.
 "goes a long way."

"Once used, always used."—HEALTH.

SAMPLE TINS GRATIS through your
Grocer or Chemist.

Prescribe Caution!?
 "Liquor carbonis Detergens"
Wrights

THE ORIGINAL ALCOHOLIC SOLUTION OF COAL TAR.

A Specific for Skin Diseases prescribed by the entire medical profession for the past quarter century.

Refuse to use or prescribe fraudulent and worthless imitations. Sold by all Druggists (Wholesale and Retail) throughout Great Britain, Ireland, and the Colonies.
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MR. JAMES STARTIN, the eminent Surgeon, writes: "I always use it myself and recommend to my patients PEARS' SOAP in preference to any other as being more free from excess of alkali and other impurities prejudicial to the skin."

PEARS' SOAP.

Specially prepared for Delicate Skins.

SOLD EVERYWHERE.

INTERNATIONAL and UNIVERSAL EXHIBITION, LONDON, 1884—FIRST-CLASS CERTIFICATE and GOLD MEDAL; also CALCUTTA EXHIBITION—FIRST-CLASS CERTIFICATE and GOLD MEDAL, for the superiority of our Pharmaceutical Preparation.

LIQUOR SANTAL FLAV. BUCHU ET CUBEBA (HEWLETT'S).

Since we introduced this elegant preparation, it has been largely employed in the treatment of gonorrhœa and gleet, and with the happiest results. It is so much superior to copaiva, as it does not interfere with the digestive organs. The disagreeable irritation which follows the administration of copaiva is not experienced, and the unpleasant copaiva rash (*Urticaria*) has not been noticed. It is especially indicated in the advanced stages of gonorrhœa and chronic gleet. If it be given in the beginning, before the inflammation has fully developed, it may sometimes succeed in abating the attack; but if it fail to accomplish this, it had better be suspended, as it may aggravate the symptoms during the inflammatory stage. In other inflammatory affections of the genito-urinary mucous membrane, such as prostatitis and chronic cystitis, when the disease is of a subacute or chronic character, the Liquor Santal may be employed with great advantage. Santalide has been the remedy of some eminent surgeons in the treatment of gonorrhœa, but in combination with buchu and cubeba it is much more efficacious. The great difficulty in its administration was its suspension in mixtures, but this trouble is arrested by a beautiful pharmaceutical process, and our preparation will be found perfectly miscible in water. DOSE: 5j to 3ij in water. Price 10s. 6d. per pound (which must bear our signature).

"I have found your 'Liq. Santal Flav. cum Buchu et Cubeba' invaluable in several cases of gonorrhœa, and more particularly in gleet. I consider it one of our best remedies in this frequently tedious complaint. It forms a nice mixture, and is quite free from the symptoms produced by copaiva."—S. GOURLEY, M.D., F.R.C.S., Senior Surgeon to Hartlepool Hospital, &c. To Messrs. C. J. H. H. & Son, Prebischurch Lane, London.

C. J. HEWLETT & SON, Manufacturing Chemists, 40, 41 & 42, Charlotte Street, Great Eastern Street, London, E.C.
PHYSICIANS WILL OBTAIN, WHEN ORDERING LIQ. SANTAL FLAV. CUM BUCHU ET CUBEBA, BY WRITING
LIQUOR SANTAL FLAV. C. BUCHU ET CUBEBA (HEWLETT'S).

Since the introduction of Pepsine by BOUDAULT and Dr. L. CORVISART, BOUDAULT's Preparations have been considered the most reliable

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UNIVERSITY & PARIS HOSPITALS RARELY USE ANY OTHER.



The Jury of the International Exhibition, Paris, 1867, awarded to BOUDAULT's Preparations the *only* Medal given for Pepsine. Since that time it has taken the Medal at each of the International Exhibitions—Havre, Lyons, Vienna, Philadelphia, and Paris, 1878.

BOUDAULT'S PEPSINE—Dose, 5 to 10 grains—in bottles, 1 ounce, 5s.; in bottles, $\frac{1}{2}$ ounce, 3s.

BOUDAULT'S PEPSINE WINE—Dose, a tablespoonful—in bottles, 4s. and 8s.

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For disinfecting vacated rooms after infectious disease, also for destroying insect pests and other vermin, noxious vapours from sewers, cesspools, &c. These Candles afford the only means of burning Sulphur indoors and are approved by Boards of Health and Insurance Companies in America. One Candle will burn for two hours and, except in malignant cases, will thoroughly disinfect a room of ordinary size.

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BY ROYAL LETTERS PATENT.

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DOSE—
2 to 4 grains.

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BULLOCK'S ACID GLYCERINE OF PEPSINE, DOSE—1 to 2 drms.

Possesses at least three times the digestive power (and in most cases considerably more) than any other preparation of Pepsine and Glycerine, or fluid form of Pepsine whatever.

May be prescribed with most substances compatible with Acids. In 4 oz., 8 oz., and 16 oz. Bottles, and in Bulk.

The published experiments of G. F. DOWDESWELL, Esq., M.A.Granth., F.C.S., F.L.S., &c., Dr. PAVY, Professor TUSON, the late Professor GARBOD, and others, conclusively demonstrate the marked superiority of BULLOCK'S PEPSINA PORCI AND ACID GLYCERINE OF PEPSINE over every other Pepsine or preparation of Pepsine—ENGLISH, FRENCH, GERMAN, or AMERICAN.

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TREATMENT OF POISONING.

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A Descriptive Pamphlet of which we shall be happy to send post free upon application.

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Manufacturers of Lithia and other Mineral Waters.

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In reference to the above

Messrs. BARRON, SQUIRE, & CO. take leave to inform

Medical Gentlemen requiring these Preparations that they can obtain them from the local Chemists, from any Wholesale Druggist. Specimens of these Preparations have remained in the Museum of Messrs. BARRON, SQUIRE, & CO., Bush Lane, Coleman Street, London, Jan. 1st, 1872.

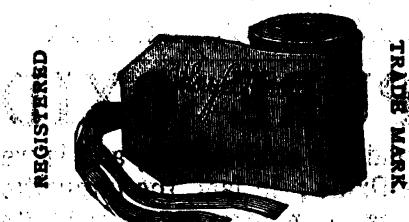
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Dr. HENRY, the well-known Public Analyst, reports:—
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For the Radical Cure of Varicose Veins, Ulcers, and other Diseases of the Leg.

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| No. 8 Thick, for leg and knee ... | 14 | 3 | 6/0 |
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| " Aconite | 3 0 | 7 0 | 3 0 | 9 0 | " Sassafras | 2 0 | 4 0 | 2 0 | 5 6 |
| " Belladon | 3 0 | 7 0 | 3 0 | 9 0 | " Digital | 2 0 | 4 0 | 2 0 | 5 6 |
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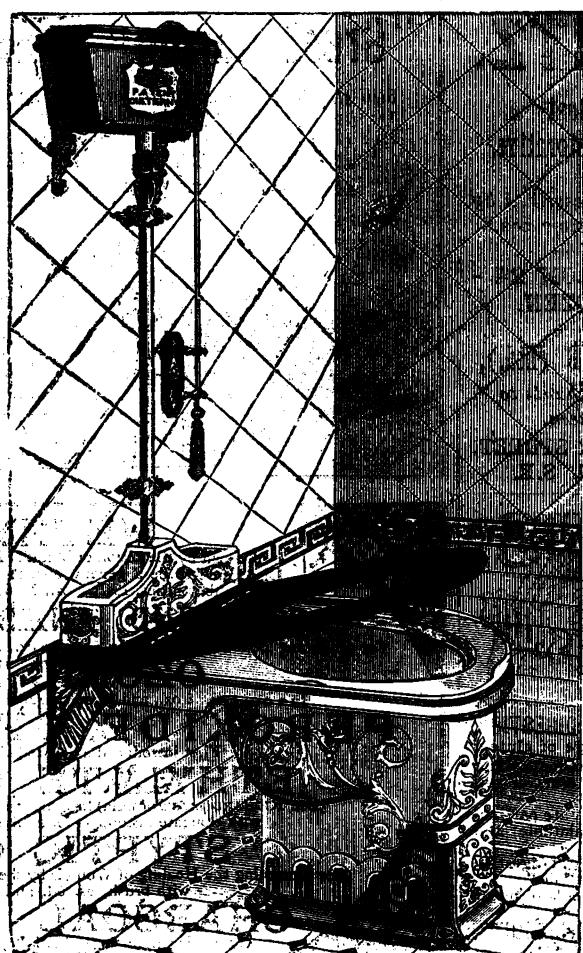
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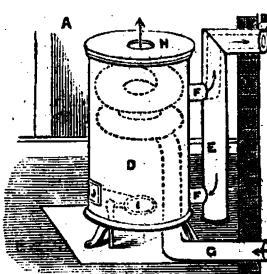
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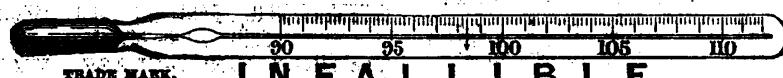
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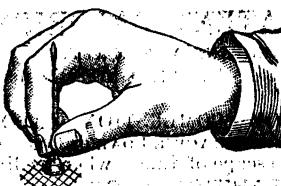
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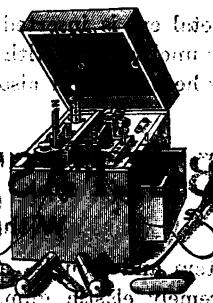
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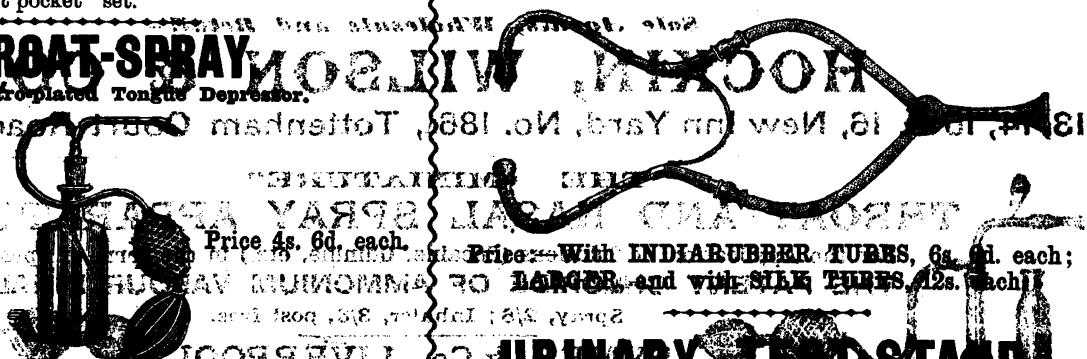
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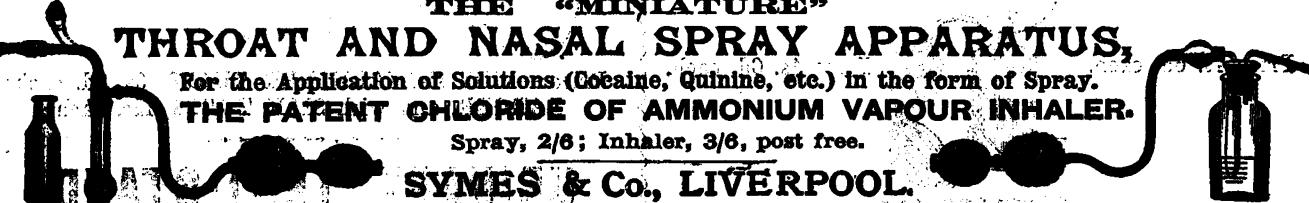
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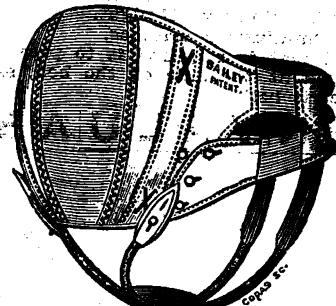
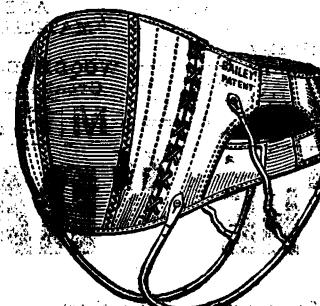
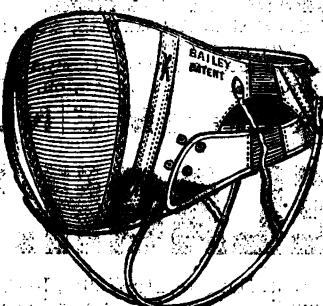
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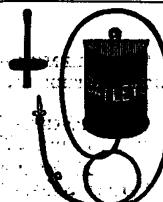
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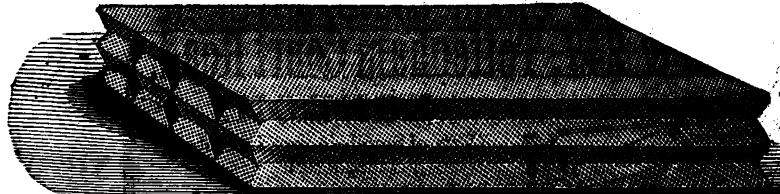
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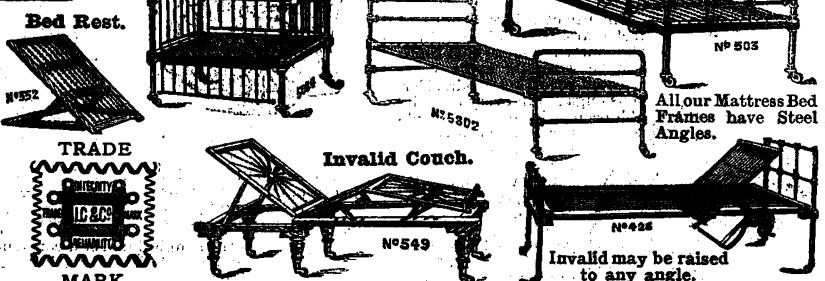
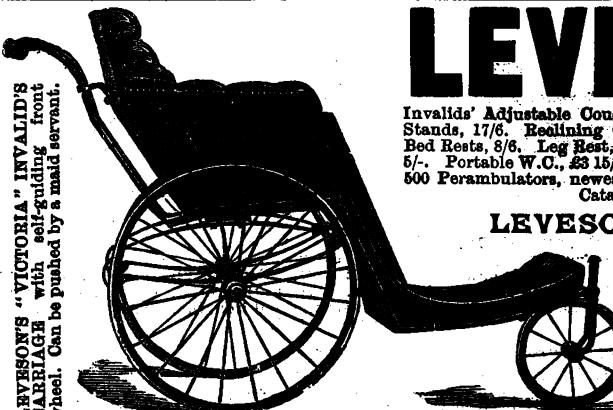
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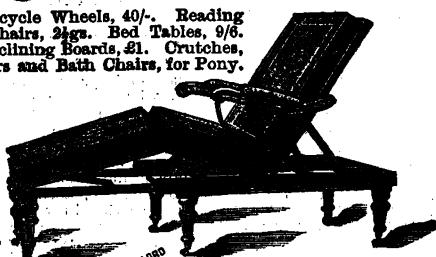
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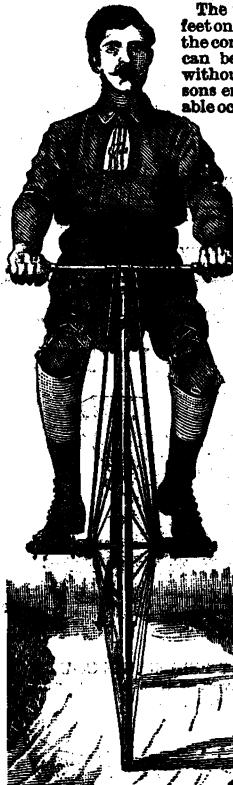
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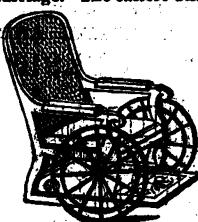
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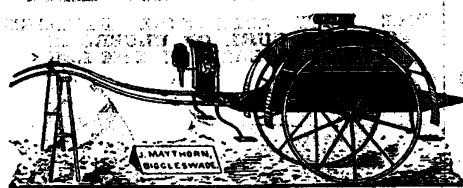
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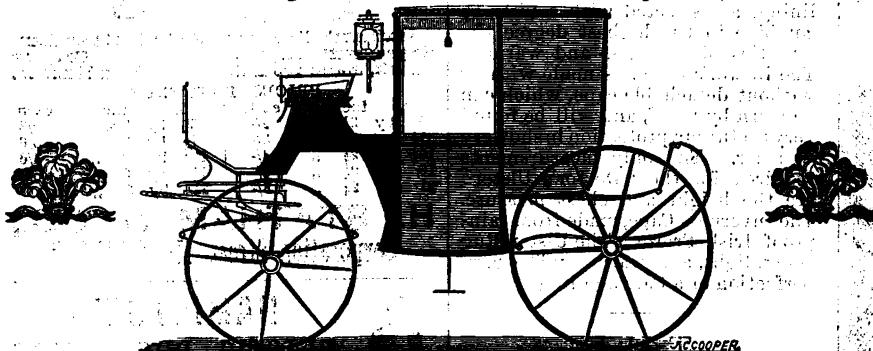


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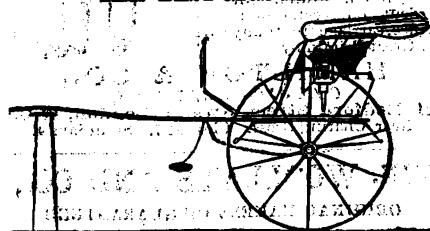
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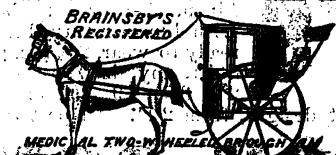


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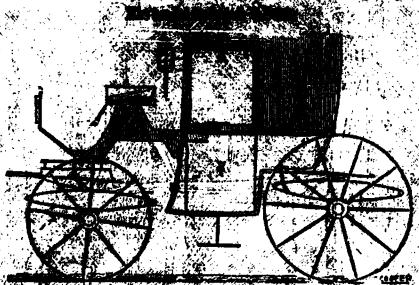
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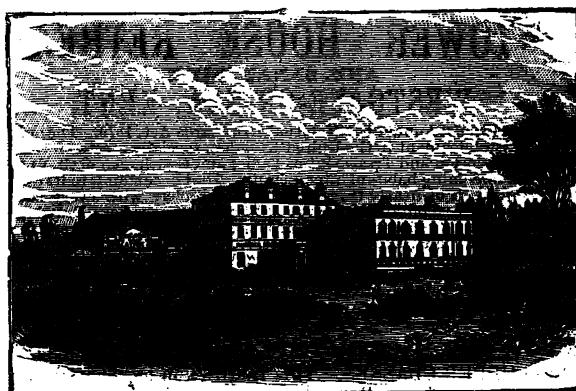
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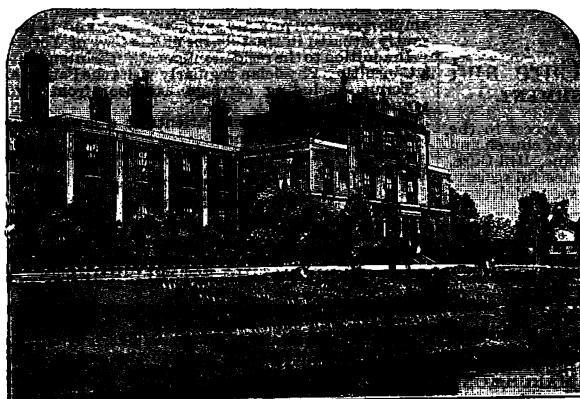
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FITZROY HOUSE, FITZROY SQUARE, LONDON, W., is provided with every comfort for the reception of Medical and Surgical Cases of both sexes. Patients are attended by their own Medical Advisers. Trained and Experienced Nurses sent out on the Shortest Notice.—Address the LADY SUPERINTENDENT, as above.

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BURGH.—A HOSPITAL for the INSANE, and a HOME for MENTAL and NERVOUS INVALIDS. Chairman of the Board of Direction: The RIGHT HONOURABLE SIR THOMAS CLARK, Bart., Lord Provost of the City of Edinburgh.

Mavisbank House is about six miles from Edinburgh, in the beautiful neighbourhood of Roslin. It is a comfortably furnished old Mansion, containing large and handsome Dining and Drawing rooms, Billiard Room, Library, Conservatory, and Private Parlours.

The Estate is upwards of 120 acres in extent with Stabling, large Flower and Fruit Gardens, Hot-houses, and Vines.

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The terms are inclusive, clothing alone excepted.

Mavisbank House is five minutes' walk from Polton Station, on the North British Railway.

For further information apply to the Resident Medical Superintendent, Dr. KEAY, Mavisbank House, Polton, Midlothian.

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PRIVATE ASYLUM, CHURCH STRETTON, SALOP.

(Established 1853.)

(FOR GENTLEMEN ONLY.)—This Asylum possesses many natural advantages: beautiful scenery, bracing atmosphere, extensive grounds, and facilities for every sort of recreation. A large farm.

Special care and treatment of Insanity arising from or complicated with Inebriety.

Apply to CAMPBELL HYSLOP, Supt. Dr. CECIL A. P. OSBORNE, Medical Attendant.

St. Andrew's Hospital for

MENTAL DISEASES, NORTHAMPTON, FOR THE MIDDLE AND UPPER CLASSES ONLY.

President: the Right Hon. The Earl SPENCER, K.G. Chairman of Committee of Management.

The Most Hon. the Marquis of NORTHAMPTON, K.G. The main object of this Institution is to provide accommodation and comforts suitable to the former social, and present mental condition of persons belonging to the Upper and Middle Classes at moderate rates of payment.

The terms of admission vary from £1 5s. to £3 3s. per week, according to the requirements of the case.

Patients may be admitted at lower rates, or the terms reduced, if their friends can satisfy the Committee of Management that so much cannot be afforded.

Patients paying higher rates can have private rooms, and special attendants, carriages, horses, &c.

There are also houses at Moulton Park, a branch establishment two miles from the Hospital, but in telephonic communication; and a Sea-side house to which patients can be sent.

For further information, apply to the Medical Superintendent.

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9 & 32, Lupus Street, St. George's Sq., S.W. (Near Victoria Station.)

For Medical, Surgical, and Confinement Cases.

PRIVATE ROOMS. THE NURSES ARE LADIES. Ladies are also received to assist in the Wards, and to earn Dispensing and Midwifery among outpatients. Non-resident and partial Boarders admitted to Classes and Lectures. The Midwifery Classes and Courses; also the Practical Pharmacy Certificates are "recognised" by the various colleges. Apply to the MATRON (who is an Accoucheuse), enclosing stamped directed envelope.

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Physician, living in one of the healthiest home counties, who has been successful in the treatment of insanity, wishes to take a RESIDENT PATIENT, Lady or Gentleman. (Either under the Act or not). Large Private House, standing in grounds of about four acres. Tennis Lawn. Carriages kept. Apply to Cambridge Graduate, BRITISH MEDICAL JOURNAL Office, 429, Strand, W.C.

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turesque and healthy neighbourhood, having an airy and commodious house, receives a few patients, not insane, but requiring slight medical supervision. References given and required. Address Dr. K. Townsend House, Hatteley, Worcestershire.

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would receive into his family either a Lady or Gentleman, invalid or otherwise. Large house and garden, well furnished; sanitary arrangements perfect; about an hour from London. Good library, tennis lawn, bowls, billiards, carriages kept, agreeable society, and charming neighbourhood. Terms three guineas weekly. References to local clergy, &c.—Address, M. D., care of ASCOUGH THOMPSON, Esq., 22, Worship Street, E.C.

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The Institution, being a home and school, is especially adapted for the development, training, and education of backward children, there being a skilled staff of governesses and teachers. Roomy, extensive, and well-ventilated workshops are also provided, where various trades are taught. Accommodation is also provided for harmless and quiet ladies and gentlemen, by means of private rooms fitted up with every comfort; special attendants, carriages, &c., and terms, according to accommodation, from £2 10s. and upwards per week, inclusive of all expenses. Medical Superintendent, Robert Jones, M.D. Lond. For further information apply to the Secretary, Mr. James Downing, 36, King William Street, E.C.

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Preparation for Army, City, and Guilds of London Institute (to which there is an annual Exhibition of £30), London Matric., Local Exams., &c. In all above exams., boys have been successful direct from the school. Special mercantile and scientific sides. Six Exhibitions. Tuition fees, £2, £3, £4 a year. Boarders received.

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Dr. GRIFFITH, Hon. Sec.

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A REFRACTION COURSE by Mr. HARTRIDGE on Fridays at 4, commencing January 4th.

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Each course is limited to eight gentlemen. CLINICAL EVENING the first Friday in each month.

Patients are seen daily from 1 p.m., and Clinical Instruction is given.

Fees for attending Practice and Teaching £2 3s. for six months, £5 5s. perpetual. Gentlemen may enter separately for either of the Courses. For further particulars apply to Mr. W. ADAMS FROST, 17, Queen Anne Street, W.

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Classes in all the subjects of the forthcoming Examination in February next are now being formed.—Mr. KENNETH CAMPBELL, M.B., F.R.C.S., 53, Lincoln's Inn Fields, W.C.

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INDIAN MEDICAL SERVICE.

INDIA OFFICE,

11th December, 1888.

An Examination for ten appointments as Surgeon in Her Majesty's Indian Medical Service will be held in London on 11th February, 1889, and following days.

Copies of the Regulations for the Examination, with information regarding the Pay and Retiring Allowances, &c., of Indian Medical Officers, may be obtained from the Military Secretary, India Office, London, S.W.

Candidates' Certificates must be sent in so as to reach the Military Secretary not later than 28th January, 1889.

ALLEN JOHNSON, Lieutenant-General, Military Secretary.

ADMIRALTY.

AVENUE HOUSE, NORTHUMBERLAND AVENUE, W.C.

1st December, 1888.

An Examination of Candidates

dates for Commissions to fill twelve vacancies in the Medical Department of the Royal Navy will be held at the University of London, Burlington Gardens, by permission of the Senate, on Monday, 11th Feb. next, and following days at 10 o'clock.

Forms to be filled up by Candidates will be supplied on application.

J. N. DICK,
Medical Director General.

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This School gives courses of clinical instruction in all the Departments of Medicine and Surgery to PRACTITIONERS OF MEDICINE ONLY, in the Hospital which forms a part of the School, and in the various general and Special Hospitals to which members of the Faculty are attached. Practitioners may enter at any time.

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DISEASES OF WOMEN—BacheMcH. Emmet, M.D.; Horace T. Hanks, M.D.; Chas. Carroll Lee, M.D.; J. R. Nilsen, M.D.

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Two ENTRANCE SCIENCE SCHOLARSHIPS, of 125 guineas and £60 respectively, open to all first-year students, will be offered for competition in September, 1889.

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Clinical demonstrations and instruction in the above special diseases are given daily by the Members of the Staff at 2.30 p.m., and on Tuesday and Friday evenings at o'clock. Fee for a course of three months, two guineas. The Hospital is open to Members of the Medical Profession.

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The house is situated in one of the healthiest parts of Oxfordshire, has large grounds, with two tennis lawns, and is fitted up with every modern appliance to insure the health and comfort of the Pupils. Special care is taken of delicate girls.

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Society of Apothecaries of LONDON.

The next EXAMINATION IN ARTS will be held at their Hall, Blackfriars, E.C., on Friday and Saturday, the 1st and 2nd of March, 1889.

This Examination will qualify Candidates for registration as medical students.

A Syllabus of the Subjects, which, according to the regulations of the General Medical Council may be passed at one or more examinations, can be had on application.

An Examination in Arts will again be held on the 7th and 8th of June, 1889.

T. PEREGRINE, M.D.,
Secretary to the Board of Examiners.

NAVAL & INDIAN MEDICAL SERVICES.

Special Rapid Classes in all subjects, preparatory to the examinations in February next, will commence at Mr. Cooke's School of Anatomy, etc., on Tuesday, January 1st. Prospectus on application to Mr. Thomas Cooke, F.R.C.S., 40, Brunswick Square, W.C. (See Advertisement page 61.)

Preliminary Examination of MEDICAL STUDENTS.

—The COLLEGE of PRECEPTORS will hold an Examination for Certificates recognised by the General Medical Council as qualifying for Registration as a Medical Student, on the 5th, 6th, and 7th of March, 1889.

The Examination will take place in London, and at the following Local Centres:—Birmingham, Bristol, Leeds, Liverpool.

Examination Fee, 25s.

Regulations and Entry Forms may be obtained on application to the Secretary of the College of Preceptors, Bloomsbury Square, W.C.

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Further particulars on application to the Dean.

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PUPILS (the sons of gentlemen) requiring SPECIAL CARE AND ATTENTION are received in connection with Arnold College Higher School by Mr. C. CARUS-WILSON, Althorne, West Bournemouth, Hants. Medical men are invited to send for particulars previous to recommendation.

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The SECOND TERM will begin on 22nd January. The College supplies for persons of either sex, above the ordinary school age, the means of continuing their studies in Science, Languages, History and Literature. The Chemical, Physical, Engineering, Geological, and Biological Laboratories are open daily. The Engineering Department includes Civil, Mechanical, Electrical, and Mining Engineering and Surveying; and special arrangements for practical work have been made with various Engineers in and near Bristol. Information with regard to the lodgings of Students may be obtained on application. Several SCHOLARSHIPS are tenable at the College.

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For general prospectus, and further information, apply to the Secretary.

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For particulars apply to the Principal or Dean at the Hall; or to Mr. HARRY BROWN, at the Office of University College, Gower Street.

RESIDENCE FOR STUDENTS IN THE family of a F.R.C.S., Surgeon to one of the Metropolitan Hospitals, and Lecturer on Anatomy. Careful supervision of studies. —Address, R. S. LANCASTER Offices, 423, Strand, W.C.

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The Hon. Sec. of the Brussels Graduates' Association is instructed to give all intending Candidates full information respecting the examination, and the facilities existing in London for preparation for it.—1, Florence Terrace, Baling.

To Physicians, Surgeons, and

Medical Students; also Veterinary Surgeons and Students.—A Course of LECTURES, commencing at an early date after Christmas, will be given at Westminster, by Mr. W. LEE BEARDMORE, Assoc. M. Inst. C.E., of 7, Little Queen Street, Great George Street, Westminster, S.W. (Author of "The Drainage of Habitable Dwellings"), on "House Drainage, as carried out according to the more scientific practice of the day." Both what has been done in the past and what should be done at the present will be treated on. For the medical and veterinary professions only. Fees for the course: qualified medical men or veterinary surgeons, two and a half guineas; students, two guineas.—Syllabus, &c., can be obtained on application to Mr. BEARDMORE.

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Wanted.—Assistant, qualified and registered, under 27. Total abstainer preferred.—Apply, with references, &c., to M. WILLIAMS, Heapey, Chorley, Lancashire.

Wanted, a Situation as Dispenser. Steward, or any place of trust, to Hospital or other Institution, by Pensioner, Staff Sergeant, Medical Staff Corps.—Address, J. T. THOMPSON, No. 1, Lillah Street, Liverpool Street, Salford, Manchester.

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Wanted to Purchase, Partnership with view to Succession, or PRACTICE with long introduction, in country or country town, returns about £500, by University Graduate. North or Midlands preferred, but not essential. Ample capital.—Address, Antiphon, BRITISH MEDICAL JOURNAL Office, 429, Strand, W.C.

The General Hospital, BIRMINGHAM.

APPOINTMENT OF ASSISTANT HOUSE-SURGEON.

The Committee of the General Hospital, Birmingham, are prepared to receive applications from gentlemen for the above appointment.

Candidates must possess a surgical qualification. The appointment is for six months, and may be held by re-election for a further period of six months, but no longer.

There is no salary attached to the post, but residence, board, and washing will be provided.

Applications, with printed copies of testimonials and original certificate of registration, addressed to the House Governor, to be sent in on or before Saturday, December 29th, 1888.

The election will take place January 4th, 1889, and duties commence immediately afterwards.

By order of the Committee,

J. D. M. COGHILL, M.D.,

House Governor.

Leicester United Friendly SOCIETIES' MEDICAL ASSOCIATION, 114, High Cross Street, Leicester.

Wanted for the above Association, a non-resident MEDICAL OFFICER. He must be doubly qualified, and registered under the Medical Act. He will be required to devote the whole of his time to the members of the Association. Salary £200 per annum with an unfurnished house; cab and other fees. Applications with diplomas, and recent testimonials, stating age, to be addressed to the Secretary not later than Wednesday 26th inst. He will be expected to commence his duties on January 7th, 1889.

Evelina Hospital for Sick CHILDREN, Southwark Bridge Road, S.E.

There will shortly be a vacancy for a PHYSICIAN to Out Patients. Candidates must be Fellows or Members of the Royal College of Physicians. Applications with testimonials to be sent in on or before Saturday 29th instant, addressed to the Committee of Management at the Hospital.

Evelina Hospital for Sick CHILDREN, Southwark Bridge Road, S.E.

The office of REGISTRAR and CHLOROFORMIST will shortly be vacant. Candidates who must possess a recognised qualification, are requested to send in their applications and testimonials on or before Monday, 31st instant, addressed to the Committee of Management at the Hospital. Non-resident. Salary £30 per annum; additional £20 if the post is held for twelve months. Any further particulars on personal application to Resident Medical Officer.

Nottingham General DISPENSARY.

Notice is hereby given, the Committee will, at their weekly meeting to be held at Twelve o'clock at noon on Monday, 21st January, 1889, at the Dispensary, Broad Street, Nottingham proceed to the election of a SENIOR RESIDENT SURGEON. Salary £150 per annum, with furnished apartments in the Institution, and coal and gas provided by the Committee.

Candidates must be on the Medical Register as possessing double qualification, one entitling them to practice Medicine, the other Surgery in the United Kingdom; and sign an undertaking to remain in office for three years, if required.

Candidates must forward their applications, together with testimonials of recent date, to me on or before Monday, 7th January, 1889.

By order,

CHARLES H. PRESTON,

Secretary.

Victoria Street,
Nottingham.
17th December, 1888.

The Hospital for Sick Children, Great Ormond Street, London, W.C.

will require a RESIDENT MEDICAL OFFICER as HOUSE SURGEON on the 14th January, 1889.

Candidates are invited to send in their applications with three testimonials specially given, on or before Tuesday, January 8th, 1889, not later than 12 o'clock. The appointment is made for one year. Salary £50 per annum, with board and residence in the Hospital. Candidates must be unmarried, and possess a legal qualification to practice. They will be required to attend before the Joint Committees at their meeting on Wednesday, January 9th, 1889, at 4.30 p.m. precisely.

By order of the Managing Committee.

ADRIAN HOPE,

Secretary.

Liverpool Dispensaries.

The Committee require the services of an ASSISTANT SURGEON. Salary £80 per annum, with apartments, board and attendance. Candidates (who must be duly registered practitioners and unmarried) are requested to forward their applications stating age, together with their testimonials and registration certificates, to the undersigned on or before Tuesday, 25th instant.

R. R. GREENE,

Liverpool Leith Offices, Moorfields, Secretary.
13th December, 1888.

City of London Hospital for DISEASES OF THE CHEST, Victoria Park, N.E.

Applications with testimonials for the office of RESIDENT CLINICAL ASSISTANT are invited to be sent to the Secretary, at the office, 24, Finsbury Circus, E.C., not later than January 10th, 1889. The appointment will be for a period of six months, commencing April 1st, 1889.

Candidates must be qualified.

T. STORRAR SMITH,

Secretary.

Salford Royal Hospital.

There is a vacancy for an HONORARY MEDICAL OFFICER for the Pendleton Branch Dispensary. Candidates for the office shall possess a Medical and Surgical qualification, and shall be registered under the Medical Act.

Applications, accompanied by testimonials and a certificate of age and registration, to be delivered to the Secretary at the Hospital on or before the 7th of January, 1889. By order of the Board.

ALEXANDER HAY,

Secretary.

Board-room,
Dec. 18th, 1888.

Derbyshire General Infirmary.

There is a vacancy for a RESIDENT ASSISTANT HOUSE-SURGEON in this Infirmary (175 beds). Candidates must possess a qualification.

Appointments tenable for six months. Candidates will be eligible for re-election.

Board and washing. No salary, but a bonus of £10 is given.

Applications, with testimonials, to be sent to the House-Surgeon not later than Jan. 5th, 1889. The duties will commence on the 24th Jan.

J. ACTON SOUTHERN,

House Surgeon.

Honorary Surgeonship to the

Rupert Road Branch of the HOLLOWAY and NORTH ISLINGTON DISPENSARY is vacant.—For further particulars apply to CHARLES WALTON SAWBRIDGE, Honorary Secretary, 68, Aldermanbury, E.C.

House Physicians.—Vacancies

having occurred in the Hospital for Consumption and Diseases of the Chest, those Gentlemen who are desirous of becoming Candidates for the vacant offices are requested to send in their applications with testimonials on or before Saturday, the 19th January, 1888, and to attend the Medical Committee on the following Monday, at 3 o'clock. Testimonials as to moral character, as well as to medical qualifications are required. Further particulars may be obtained at the Hospital.

HENRY DOBBIN,

Brompton, December 20th, 1888.

Sec.

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Salary £30 and laundress. Must be unmarried or a
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canvassing allowed.—Apply by letter, stating age of
applicant, with three recent testimonials, addressed
Hon. Sec., Bolton Infirmary, 12, Acresfield, Bolton,
not later than 26th December, 1888.

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MATRON and HOUSEKEEPER wanted. Salary
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