

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. MICHAN'S.

MR. R. GLASGOW PATTESON, M.B. (8, Hume Street, Dublin) writes: Your reviewer, in his interesting notice of Mr. Vicars's work on *The Antiseptic Vaults of St. Michan'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.

OBTLERATED 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 (Tadmorden 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 clyster, and simpler than Dr. Kræll'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 hæmorrhage 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 hæmorrhage.

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*. "Putrescence of the fluids discharged into the cavity of the abdomen, with its consequences, fever, and colliquative 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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Being the Journal of the British Medical Association.

No. 1460.]

SATURDAY, DECEMBER 22, 1888.

{Registered as}
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CONTENTS.

REMARKS ON A CASE OF ANEURYSM of the EXTERNAL ILIAC ARTERY: DIGITAL AND INSTRUMENTAL COMPRESSION: COMPLETE CURE. By ARTHUR E. BARRETT, F.R.C.S., Surgeon to University College Hospital, and Teacher of Practical Surgery in University College. 1371

An ADDRESS on the TEACHING of ANATOMY. Delivered in the Section of Anatomy at the Annual Meeting of the British Medical Association, held in Glasgow, August, 1888. By C. B. LOCKWOOD, F.R.C.S., Surgeon to the Great Northern Hospital; Demonstrator of Anatomy and Operative Surgery in St. Bartholomew's Hospital; Hunterian Professor, Royal College of Surgeons of England. (With Diagrams). 1372

THE VALUE OF NERVE-STRETCHING in LEPROSY: BASED ON ONE HUNDRED CASES. By BRAVEN RAKE, M.D., London, Medical Superintendent of the Trinidad Leper Asylum. 1373

A SPHYGMOGRAPH for CONTINUOUS TRACINGS. By J. C. VAUGHAN, M.B., House-Physician to the Bradford Infirmary, Yorkshire. (Illustrated). 1379

THE DISTRIBUTION OF PARALYSIS and ANESTHESIA in INJURIES of the CERVICAL REGION of the SPINAL CORD. Read in the Section of Surgery at the Annual Meeting of the British Medical Association, held in Glasgow, August, 1888. By WILLIAM THORNTON, F.R.C.S., Surgical Registrar, Manchester Royal Infirmary, etc. (Illustrated). 1382

TOXICOLOGICAL MEMORANDA.—Large Doses of Morphine. By Hyding Marsh, M.D., London. 1385

OBSTETRIC MEMORANDA.—A Case of Quadruplets. By W. Somerville, L.F.P.S.G. 1386

HOSPITAL REPORTS.

SUNDERLAND INFIRMARY.—Case of Extruterine Fecundation. (Mr. T. F. Hopgood). 1386

REPORTS OF SOCIETIES.

CLINICAL SOCIETY OF LONDON.—Aortic Aneurysm Rupturing into the Descending Vena Cava.—Cause of Speedy Death in Heart Disease.—Form of Eruption Allied to Kaposi's Disease and to Prurigo Erythralis Adolescentium.—Circumscribed

Scleroderma (Addison's Keloid), with Remarks upon the Etiology of the Disease.—Living Specimen. 1387

PATHOLOGICAL SOCIETY OF LONDON.—Adjourned Debate on Morbid Anatomy and Pathology of Chronic Alcoholism.—Specimens illustrative of the Effects of Alcohol.—Specimens.—Skeleton of a Short-limbed Dwarf. 1389

MEDICAL SOCIETY OF LONDON.—Case of Paralysis of Lower Part of Trapezius.—Osteoplastic Resection of Foot.—Case of Arrested Development of Arm.—Case of blow-growing Tumour of the Upper Jaw.—Cases of Aortic Stenosis with Tracheal Murmurs.—Case of Exfoliation of the Condyle of the Maxilla for Ankylosis.—Next Meeting. 1393

OPHTHALMOLOGICAL SOCIETY OF THE UNITED KINGDOM.—Case of Pulsating Exophthalmos.—Suppurating Hydatid Cyst of Orbit.—A Peculiar Form of Degeneration.—A Case of Recurrent Transient Blindness.—Card Specimens.—Presentation to the Library. 1394

BRITISH GYNÆCOLOGICAL SOCIETY.—Removal of the Uterine Appendages.—Fibroma of the Nymphs.—Fœtus with Meningocele. Papillary Cyst of the Ovary.—Fibroid Polyp.—Encysted Serous Peritonitis (Pelvic Origin). 1395

CAMBRIDGE MEDICAL SOCIETY. 1396

LIVERPOOL MEDICAL INSTITUTION. 1396

MIDLAND MEDICAL SOCIETY. 1396

NORTHUMBRIA AND DURHAM MEDICAL SOCIETY. 1397

SHAPFLEAD MEDICO-CHIRURGICAL SOCIETY. 1397

STAFFORDSHIRE BRANCH OF THE BRITISH MEDICAL ASSOCIATION. 1398

MANCHESTER MEDICAL SOCIETY. 1399

WEST KENT MEDICO-CHIRURGICAL SOCIETY. 1399

GLASGOW SOUTHERN MEDICAL SOCIETY. 1399

PATHOLOGICAL SOCIETY OF MANCHESTER. 1400

REVIEWS AND NOTICES.

WOOD (H. C., M.D.). Therapeutics: Its Principles and Practice. 1400

FRY-SMITH (PHILIP HENRY, M.D.). The Principles and Practice of Medicine. 1401

SAYRE (LEWIS A., M.D.). Section of Contractured Tissues Essential Before Mechanical Treatment can be Effectual. 1401

SAYRE (LEWIS A., M.D.). On the Deleterious Results of a Narrow Prepuce and Preputial Adhesions. 1401

NOTES ON BOOKS.

Diaries. 1401

REPORTS AND ANALYSES.—Kola Nut and Kola Chocolate.—The Removal of Nicotine. 1402

LEADING ARTICLES.

DENTAL QUACKERY and FALSE PERSONATION. 1402

FLUSHING THE PERITONEUM. 1403

THE ARMY MEDICAL SERVICE. 1401

THE WEEK.

Miscellaneous.—Pathological Society.—Photography of the Male Bladder.—Guy's Hospital.—Liverpool Medical Institution.—The Medical Service, R.N.—Disinfection of Surgeons' Hands.—Public Hygiene and Social Economy.—Execution by Electricity.—Proposed National Contribution to the Pasteur Institute.—Judges and Medical Witnesses.—The New Ophthalmic Hospitals in Germany.—Professor von Bergmann on Cerebral Surgery.—The Chemistry and Pharmacology of the Organic Nitrates.—Caesarean Section in St. Petersburg.—Spiritualism and Insanity.—Determination of Albumen in Urine.—Early Twin Embryos.—The Medical Profession in Russia. 1405

Scotland.

Extension of University Teaching.—Queen Margaret College.—Edinburgh Medical Students and the Glass Disturbances.—Edinburgh Fever Hospital and Clinical Teaching.—Glasgow University Club.—Asiatic Cholera.—Ambulance Instruction for Boys.—Glasgow Medico-Chirurgical Society.—Glasgow Pathological and Clinical Society. 1409

Ireland.

Scientific Association.—Queen's College, Cork.—The Entries at Dublin.—Typhoid Fever in Dublin. 1410

ASSOCIATION INTELLIGENCE.

Notices.—Collective Investigation of Disease.—Branch Meetings to be Held.—South-Eastern Branch: West Kent District.—Sydney and New South Wales Branch. 1411

SIR MORRIS MACKENZIE and THE ROYAL COLLEGE OF PHYSICIANS. 1412

AMALGAMATED SANITARY SOCIETIES. 1412

SPECIAL CORRESPONDENCE.

PARIS.—Sulphonal.—Passage of Coins through the Alimentary Canal.—Treatment of Uterine Fibroma by Electrolisis.—Injections of Lemon-juice in Epistaxis.—Bacteria in the Urine.—Salol in Children's Diseases. 1412

LIVERPOOL.—Hypnotism.—Loss of Voluntary Movement in the Eyes.—Aphasia.—Death during Anæsthesia. 1413

CORRESPONDENCE.

Increasing Mortality from Cancer. By Henry T. Butlin, F.R.C.S.—Arteries in Piles. By Herbert W. Allingham, F.R.C.S.—Venesection in Puerperal Eclampsia. By Joseph Griffiths Swayne, M.D., London.—The Discussion on Cataract. By Charles Bell Taylor, F.R.C.S., and M.D., Edin.—The Registration of Midwives. By F. R. Humphreys, L.R.C.P., M.R.C.S.—A Museum of Instruments. By James H. Aveling, M.D.—The Antiseptic Vaults at St. Michael's. By Lawson Tait, F.R.C.S. 1414

NAVAL & MILITARY MEDICAL SERVICES.

Changes of Station.—The Navy, &c. 1416

MEDICO-LEGAL AND MEDICO-ETHICAL.

General Practitioners and Specialists.—Medical Examination of Children, &c. 1417

MEDICO-PARLIAMENTARY.

House of Lords. 1418

House of Commons. 1418

OBITUARY.

Professor Josef Lenhossek, M.D., Budapesth. 1419

HOSPITAL AND DISPENSARY MANAGEMENT.

How to Meet the Annual Deficit of London Hospitals.—Hall Royal Infirmary.—The Queen Victoria Nurses' Institute: Scottish Branch.—Glasgow Victoria Infirmary.—Glasgow East Park Home for Infirmit Children.—Cardiff Infirmary. 1420

UNIVERSITY INTELLIGENCE.

CAMBRIDGE UNIVERSITY. 1420

LONDON UNIVERSITY. 1421

DURHAM UNIVERSITY. 1421

INDIA AND THE COLONIES.

INDIA. 1421

AUSTRALIA. 1421

PUBLIC HEALTH & POOR-LAW MEDICAL SERVICES.

Health of Towns.—The Metropolitan Asylums Board, &c. 1421

MEDICAL NEWS.

Vacancies.—Appointments, &c. 1422

LETTERS, NOTES & ANSWERS TO CORRESPONDENTS.

QUESTIONS.—ANSWERS.—NOTES, LETTERS, ETC. 1423

* For INDEX to ADVERTISEMENTS see Second Page.

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INDEX TO ADVERTISEMENTS.

The average issue of the BRITISH MEDICAL JOURNAL now exceeds 15,000 copies Weekly.

BOOKS AND PUBLISHERS.

PAGE	
Allen, W. H.	7
London Medical Recorder	7
The Sanitary Record	7
Allsop, B.	4
A.B.C. System of Book-Keeping	4
Bailliere, Tindall & Co.	4
Dowse, Dr. T. S.—Works	4
Edridge-Green, F. W.—Memory	4
Gerster, Dr. A. G.—Surgery	4
Harris & Power—Handbook	4
Hewitt, F.—Work	4
Ketley, C. B.—Knee Joint	4
Thudichum, J. L. W.—Polypus	4
British Medical Association.	6
A Report on Relative Rank	6
Caird, Rev. J.—Mind and Matter	4
Burroughs, Wellcome & Co.	25
Burroughs' Medical Diary for 1889	25
Carlyle, G. & T.	4
Duplicate Prescription Book, etc	4
Simplified Account Books	4
Churhill, J. & A.	3
Barnes, Dr. R.—Works	3
Beale, L.—Works	3
Biggs, H.—Works	3
Bryant, T.—On Tetanus	3
Cooper, A.—Syphilis	3
Coulson, W. J.—Diseases of Bladder	3
Cripps, H.—Diseases of the Rectum	3
Day, Dr. W. H.—Works	3
Down, Dr. J. L.—Mental Affections	3
Duncan, Dr. A.—Prevention of Disease	3
Duncan, Dr. M.—Diseases of Women	3
Fenwick, E. H.—Work	3
Harley, Dr. G.—Diseases of the Liver	1
Jacobson, W. H. A.—Surgery	1
Lescher, F. H.—Materia Medica	1
Macdonald, J. D.—Drinking Water	1
Reynolds, J. J.—Works	3
Roberts, Dr. T.—Midwifery	3
Robinson, Dr. T.—Works	3
Sansom, Dr. A. E.—Diseases of Heart	3
Seewill, H.—Dental Anatomy	3
Slavering, Sir E.—Life Assurance	3
Smith, H.—Surgery of the Rectum	3
Squire's Companion	6
Stanton, J. B.—General Pathology	1
The Medical Directory	1
Thin, Dr. G.—Treatment of Ringworm	1
Thompson, Sir H.—Work	1
Tibbitts, H.—Massage, etc.	3
Tuson, R. V.—Vet. Pharmacopoeia	3
Unofficial Formulary	3
Waters, Dr. A. T. H.—Medicine	6
Wilks, Dr. S.—Nervous System	7
Hallett, C.	1
Freeman, H. W.—Thermal Baths	1
Harrison & Son.	4
Morgan, J. H.—Catalogue	4
Hazell, Watson & Viney.	6
Smith's Visiting List for 1889	6
Hill, G.	6
Meadows, Dr. Barr—Homoeopathy	6
Kerr, J. G. D.	6
Popular Guide to Use of Bath Waters	6
Kimpton, R.	6
Hargreaves, Dr. M. K.—Diseases	6
Nunn, T. W.—Works	4
Lewis, H. K.	5
Baber, E. C.—Examination of the Nose	5
Bastian, Dr. H. O.—Paralysis	1
Clarke, W. B.—Diseases of the Kidney	5
Crocker, H. B.—Diseases of the Skin	5
Mickle, Dr. W. J.—General Paralysis	5
Raffe, C. H.—Diseases of Kidneys	5
Roberts, Dr. F. T.—Medicine	5
Reese, Dr. R.—Nerve Prostration	5
Sankey, Dr. W. H. O.—Mental Disease	5
Sinclair, Dr. A.—Gonorrhoeal Infection	5
Smith, Dr. A.—Ringworm	5
Suckling, Dr. C. W.—Diseases of Brain	5
Wokes, Dr. E.—Works	4
Lewis, William.	6
Sheen, Dr.—"Handy" Series	6
Longmans, Green & Co.	4
Garrod, Sir A. B.—Gout	4
Massall, A. H.—Works	6
Newman, D.—Kidney Diseases	5
Macmillan & Co.	6
Mackenzie, Sir M.—Vocal Organs	6
Kedway, George	4
Taylor, O. B.—Diseases of the Eye	4
Renshaw, H.	6
Whitla, W.—Therapeutics	6
Richardson, J.	5
Tait, Lawson—Ectopic Gestation	5
Silverlock, H.	6
Visiting Lists	6

HOME ASYLUMS, HEALTH RESORTS, AND HOTELS.

PAGE	
Barnwood House, near Gloucester	59
Barbhydding	59
Baxby House, near Leicester	59
Clarendon House, Burton	59
Colman Hill House, Brest	59
Cotton Hill Hospital	59
Dairymple House for Inebriates	59
Earlswood Asylum	59
Eslick House, by Stonehaven	59
Flatoy House	59
Harpenden Hall—A. Macdonald	59
Haydock Lodge—C. T. Street	59
Hendon Grove Asylum—Dr. Hicks	59
High Shot House	59
Holloway Sanatorium	59
Home Hospital for Ladies and Children	59
Homes offered	59
Hotel Richard, Mont. Canes	59
Hydro-Therapeutic Estab., Farnborough	59
Hydropathic Establishment—Dr. Bayner	59
Hydrophaty—Smiedley's	59
Ifracombe Hotel	59
Interperance—Dr. Maclean	59
Interperance—Dr. Pritchard	59
Intercourse—Dr. Pritchard	59
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Marsden Hall	59
Mavisbank House	59
Northumberland House, Finsbury Park	59
Northwood, Winterbourne	59
Old Park House, F. Gray	59
Overton Hall, Bournemouth	59
Peterborough House, Wingham	59
Royal Hospital of Bethlehem	59
Shafesbury House—S. A. Gill	59
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HOSPITAL AND DISPENSARY VACANCIES.	63
Hospital & Dispensary Vacancies	63

EDUCATIONAL INSTRUCTORS.

PAGE	
Bedford Modern School	61
College of Preceptors	61
Darenton School	61
Examinations—Admiralty	61
Examinations—G. Williams	61
Examinations—H. Sergeant	61
Examinations—M. A., M. B. (Cantab.)	61
Examinations—M. D., M. R. C. P.	61
Examinations—M. B., F. R. C. S.	61
Examinations—M. D.	61
Examinations—M. D., B. Sc.	61
Examinations—T. Lyle	61
Indian Medical Service	61
Kennedine House, Severnside	61
Ladies' College—Major Peard	61
Lectures—W. Lee Beadmore	61
Naval and Indian Medical Services	61
New York Post-Graduate Medical School	61
North London Massage Institute	61
Private School for Ladies	61
Pupils Wanted	61
Royal Westminster Ophthalmic Hospital	61
Schools for Young Gentlemen	61
School of Anatomy, T. Cook	61
Society of Apothecaries of London	61
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St. Thomas's Hospital Medical School	61
The London Throat Hospital	61
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Vaccine Institutions	48
PRACTICES FOR DISPOSAL.	63
Practices, &c.	63
ASSISTANTS, &c.	63
Assistants Wanted, &c.	63
MISCELLANEOUS.	37
Birkbeck Bank	37
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Cash Advances	7
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(From the *Lancet*, Nov. 24th, 1888, p. 1053.)

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"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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ANSWER.

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

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



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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.

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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.

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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."

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

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

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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 menstruum 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 Pharmacopoeial strength we also prepare the "Standard Tinctures" 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 Pharmacopoeial preparations, and to ensure their being used we would suggest their being ordered as follows:—"Tinct. Aconiti (Southall)."

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In 4, 8, and 16oz. Bottles.

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

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(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.

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

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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.

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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.

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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.

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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,
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"Mr. Benger's admirable preparations:"
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"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

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 ingluvial muscles is accompanied by the slow but continuous exudation, from the walls of the crop, of a strong organic fluid, of which Ingluvin 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 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.—℥. 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, R. Hovenden & Sons, Lynch & Co., S. Maw, Son & Thompson, J. Sanger & Sons, W. Sutton & Co., Corbyn & Co., Young and Postans, &c.

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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.

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MACK'S PECTORAL SYRUPS AND PASTE. 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, 2s.

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.O.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."

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

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FOR CHILDREN AND INVALIDS.

FACTORIES AT STUTTGART AND HARBATZHOFEN, BAVARIAN ALPS.

Loeفلund'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.

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for children from 4 months up to 2 years—are Loeفلund'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 Loeفلundi (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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ACONITE, BELLADONNA, CINCHONA,
COLCHICUM, DIGITALIS, GELSEMIUM, HYOSCYAMUS, IPECACUANHA, NUX
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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.

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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.

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

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

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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 of milk. The alkaline salts are non-poisonous and absolutely free from any cauterizing or irritating effect. The Sozoiodol was applied mixed with 1 part to 5 or 10 parts of Sugar of Milk. Infections of a venereal (1 in 50) have given excellent results in the treatment of almost all the generative organs, such as gonorrhoea. 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***Mr. FREDERICK BOEHM, 27, Billiter Square Buildings, London, E.C.****CARLSBAD NATURAL MINERAL WATERS & SALTS.**

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

These Waters are now imported in bottles, and may be used in the treatment of all cases in which the Carlsbad cure is indicated when patients are unable to visit the Spa. The Carlsbad cure is recommended in **CHRONIC GASTRIC CATARRH, HYPERTENIA of the LIVER, GALLSTONES, CHRONIC CONSTIPATION, DIABETES, RENAL CALCULI, GOUT, and DISEASES of the SPLEEN** arising from residence in the tropics or malarious districts.

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 teaspoonfuls, 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 & ROYLE**, (and of all Chemists.)**LONDON: 52, Farringdon Street, E.C. LIVERPOOL: Finney Lane. BRISTOL: Bath Bridge.**

SOZOIODOL IS PERFECTLY ODOURLESS.

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AND OTHER

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 - "

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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 3 lb. bottles, retail, 2/- each;	wholesale, 16/- per doz.
In 1½ 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.

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

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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.

"Morrhual 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 'Morrhual,' 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 Pénitenciers du Dépt. du Rhône.*

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

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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.

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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 Blenorrhœa 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. POSENER, 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.

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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.

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Aloin, Belladon, et Strychnin R Aloin $\frac{1}{2}$ gr., Ext. Belladon. Rad. Alch $\frac{1}{2}$ gr., Strychnin. $\frac{1}{2}$ gr.	3s. 0d.	Ergotin. Comp. R Ergotin 1 gr., Ferri Sulph. Exsic 1 gr., Ext. Hellebor 1 gr. Ol Sabinæ $\frac{1}{2}$ m., Ext. Aloes Soc. 1 gr.	3s. 0d.	Hydrarg. et Arsenic. Iodid. (Wyleys'). Each pill equivalent to 5 minims of Donovan's Solution...	1s. 8d.
Bismuth. Pepsin. Co. (Wyley's), R Bismuth Nit. 2 gr., Pepsin Porci 1 gr., Ferr. Redact 1 gr., Strychnin $\frac{1}{2}$ gr.	3s. 6d.	Euonymin et Cascara. R Euonymin 1 gr., Ext. Cascara $\frac{2}{3}$ gr.	4s. 0d.	Leptandrin et Podophyllin. R Leptandrin 2 gr., Podophyllin $\frac{1}{2}$ gr.	3s. 0d.
Cascara Sagrada (Ext.) 2 gr.....	2s. 0d.	Euonymin et Iridin. R Euonymin 1 gr., Iridin 3 gr. ...	8s. 0d.	Morphinæ Mur. $\frac{1}{2}$ gr., Atropinæ Sulph. $\frac{1}{10}$ gr.	2s. 0d.
Cascara et Nux Vomica. R Ext. Cascara $\frac{2}{3}$ gr., Ext. Nuc. Vomica $\frac{1}{2}$ gr., Gingerin, $\frac{1}{4}$ gr. ...	2s. 6d.	Euonymin et Pepsin. R Euonymin 2 gr., Pepsin 2 gr....	7s. 6d.	Phosphorus $\frac{1}{2}$ gr., Quininæ Sulph. 1 gr., Ext. Nuc. Vom. $\frac{1}{2}$ gr.....	3s. 0d.
Cascara, Podophyllin et Nux Vomica. R Ext. Cascara 2 gr., Podophyllin $\frac{1}{2}$ gr., Ext. Nuc. Vomica $\frac{1}{2}$ gr. ...	3s. 0d.	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	2s. 6d.	Podophyllin, Belladon, et Strychnin R Podophyllin Resin $\frac{1}{2}$ gr., Ext. Belladon. Rad. Alch. $\frac{1}{4}$ gr., Strych- nin $\frac{1}{2}$ gr.	3s. 0d.
Caulophyllin et Pulsatilla. R Caulophyllin 2 gr. Ext. Pulsa- tillæ Alch (Wyley's) $\frac{1}{2}$ gr.	5s. 0d.	Ferruginous (Blaud's) 3 and 5 gr.	1s. 8d.	Podophyllin et Pepsin. R Podophyllin $\frac{1}{2}$ gr. Pepsin 2 gr.	5s. 0d.
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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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THE HYPNOTIC.

FORMULA.—Every Fluid Drachm contains 15 grs. EACH of pure Chloral Hydrat. and Purified Brom. Pot., and $\frac{1}{8}$ gr. EACH of gen. imp. ext. Cannabis Ind. and Hyoscyam.

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.

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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.

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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.

"Sept. 2nd, 1887."

(Signed) "MORELL MACKENZIE, M.D., Lond., late Physician to the London Hospital; Consulting Physician to the Hospital 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 Mineralquellen 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, Hemorrhoids, 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, STRYCHNINÆ ET BELLADONNÆ, PIL.

{ Aloin,	1-5 gr.	{ Dose:
{ Strychninæ,	1-60 gr.	
{ Ext. Fol. Belladonnæ,	1-8 gr.	
		1 Pill.

PIL. ALOIN, STRYCHNINÆ ET BELLADONNÆ COMP., W. H. S. & CO.

{ Aloin	1-5 gr.	{ Dose:
{ Strychninæ	1-60 gr.	
{ Ext. Belladonnæ	7/8 gr.	
{ Ext. Cascaræ Sagradæ	1/2 gr.	
		1 Pill.

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.)

Price List of Pills and Book of about 400 useful Formulæ (including those of the British Pharmacopœia) sent free on application to

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PIL. QUININÆ, FERRI ET ZINGI VALERIANAT.

{ Quinæ Valerianat	1 gr.
{ Ferri	1 gr.
{ Zinci	1 gr.

Editor *Medical Brief*, St. Louis, Mo., U.S.A.

"The family doctor only knows how wide-spread Melancholia is in our country. The many household cares develop this disease in nervous women, who show its first symptoms in fretfulness and worry. I have sought for a remedy for years for this malady, and have at last found it in the triple valerianates, which work like a charm."

PIL. MANGANESE BIN-OXIDE, W. H. S. & CO. 1 gr. 2 grs.

Emmenagogue and Menstrual Regulator. Dose: 1 to 2 grs.

Bin-oxide of Manganese has gained considerable prominence as an emmenagogue, as shown by many published statements of recognised authorities. To Drs. Ringer and Murrell the medical profession is indebted for bringing forward Manganese as a therapeutic agent in Amenorrhœa. Since then, Dr. Martin, of Chicago, has not only found it valuable in Amenorrhœa, but also in Menorrhagia and Metrorrhagia. Dr. Thos. J. Kearney, in an able article on Manganese (*vide N. Y. Medical Journal*, August 26th, 1886), also recognizes its virtues as an emmenagogue, and cites several cases.

"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.
3. "SANITAS" FLUID may be used without dilution when required, and its use presents no danger of any kind.
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.
6. A convenient, comfortable, and safe antiseptic poultice may be made by soaking Gamgee tissue or absorbent wool in the undiluted "Sanitas" Fluid, wringing it out, applying it to wounds, and covering with gutta serena tissue.
7. "SANITAS" FLUID acts instantly as an efficient deodoriser to the hands, for all odours, irrespective of source. Similarly, it may be used with the greatest advantage in all post-mortem cases.
8. For dressing raw surfaces, burns, wounds; washing out sinuses and cavities; in general obstetric practice; and as a gargle for putrid and diphtheric sore throat, &c., "Sanitas" Fluid may be used with a perfect assurance that it will do all that is required of it, thoroughly, safely, and pleasantly.
9. "SANITAS" FLUID not merely prevents the formation of all toxic products of putrefaction: it also destroys by oxidation all existing toxic products.

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.

C. T. KINGZETT, F.I.C., F.C.S., Author of "Animal Chemistry," "Nature's Hygiene," &c., Managing Director.

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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Christmas Presents.

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.

To those who wish to make Christmas presents to medical men we offer to supply until January, 1889,

THE "A B C" 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 combined the A B C Materia Medica. Published by Burroughs, Wellcome & Co., Snow Hill Buildings, London. This book contains an addition of brief notes of modern preparations, which cannot fail of being useful to medical men engaged in general practice."

The MEDICAL PRESS & CIRCULAR, Dec. 2, 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 'cash accounts,' patients' and nurses' addresses, memoranda of wants, loans, &c., together with observations on other matters. 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 Tabloids, selected from list appended for 10s. Case as above with 12 tubes, 15s. Special Christmas Prices.

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 with room for from one to twenty tubes of the Hypodermic Tabloids.

LIST OF HYPODERMIC TABLOIDS.

Prepared by B. W. & Co.

Aconitin	1-260 gr.	Homatropin (unirritating) ..	1-260 gr.
Aloins	1-4 gr.	Hydrag. Perchlor. ..	1-60 & 1-50 gr.
Apomorphine ..	1-15 & 1-30 gr.	Eryosymin	1-60 & 1-10 gr.
Atropin Sulph. ..	1-150, 1-100, & 1-60 gr.	Eryosine	1-200 & 1-75 gr.
Caffein Sodio-Salicylate ..	1-4 gr.	Morphine Bi-Meconate ..	1-8, 1-6, 1-4, & 1-2 gr.
Cod Liver Phosphate ..	1-4 gr.	Morphine Sulphate ..	1-12, 1-8, 1-6, 1-4, 1-2 gr.
Cocaine	1-8 & 1-6 gr.	Morphine and Atropin combinations ..	1-2 gr.
Colchicin	3-100 gr.	Phoscarpin	1-10, 1-8, & 1-2 gr.
Cornutia	1-40 gr.	Quinine Hydrobromate ..	1-2 gr.
Curare	1-12 gr.	Sclerotinic Acid	1-2 & 1 gr.
Digitalin	1-100 gr.	Strophanthin	1-600 gr.
Ergotin	1-150 & 1-300 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 mortar and pestle, and a department of Compressed Drugs in the form of Tabloids, at special Christmas prices.

B. W. & Co.'s Morocco Case, No. 15, containing 10 3-drachm vials filled with Tabloids, Christmas price 15s.

B. W. & Co.'s Oak Case, No. 17, containing 16 3-drachm vials filled with Tabloids, Christmas price 20s.

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 50 of the following Tabloids. Retail price, 1s.	
Aconite Tinct. ..	1 min.	Anti-Constipation—Aloin 1-5 gr. Strych. 1-60 gr.	1-50 gr.
Artemisic Acid ..	1-100 & 1-50 gr.	Apomorphine Mur. ..	1-100 gr.
Belladonna Tinct. ..	1 min.	Atropin Sulph. ..	1-100 gr.
Calcium Sulphide ..	1-10 gr.	Digitalin	1-100 gr.
Capsicum Tinct. ..	1 min.	Eucorin Resin	1-5 gr.
Digitalis Tinct. ..	1 min.	Hydrag. Iod. Bala. ..	1-50 gr.
Hydrag. Perchlor. ..	1-100 gr.	Hydrag. Iod. Vir. ..	1-5 gr.
Hydrag. cum Cretae (Grey Powder) ..	1-8 gr.	Morphine Sulph. ..	1-20 & 1-8 gr.
Hydrag. Subchlor. (Calomel) ..	1-10 gr.	Optum Tinct. (Laudanum) ..	8 min.
Hyoscyamine Tinct. ..	1 min.	Phoscarpin Mur. ..	1-50 gr.
Nux Vomica Tinct. ..	1 min.	Pedipyllin Resin ..	1-14 gr.
Tinct. Camph. Co. (Paregoric) ..	2 min.	Santonin	1-12 gr.
		Strophanthin 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.

ALETTRIS CORDIAL

UTERINE TONIC AND RESTORATIVE.

Prepared from the Aletris Farinosa, or True Unicorn.

INDICATIONS.—Amenorrhoea, Dysmenorrhoea, Leucorrhoea, 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 amenorrhoea 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 H. CANE, L.R.C.P. and L.R.C.S., Leeds, England, says:—"I have tried Aletris Cordial in dysmenorrhoea with splendid results."

"Dr. W. BERTHELOT, Santandar, Spain, says:—"Have found Aletris Cordia very useful in dysmenorrhoea."

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, Diarrhoea, Dysentery, Night-Sweats, Hemorrhages, Profuse Expectoration, Catarrh, Sore Throat, Leucorrhoea, and other Vaginal Diseases, Piles, Sores, Ulcers, Burns, Scalds, Gonorrhoea, 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. R. 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 leucorrhoea applied topically, and also as a wash for old and indolent ulcers, and in long-standing cases of eczema."

W. O. 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, Dysmenorrhoea, 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., Pomasia, 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-tonics 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 spermatorrhoea with marked benefit."

SAM. H. 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 PEPTONOIDS c. COCA*, and *PEPTONOIDS 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.

Quixia, 1 gr.

Strychnia, $\frac{1}{2}$ gr.

Also sine Strychnia.

MALTINE with PHOSPHORUS.

Each teaspoonful contains $\frac{1}{16}$ 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, $\frac{3}{16}$ gr.

Quinia Sulph., 1 gr.

Strychnia, $\frac{1}{16}$ 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 PANCREATINE.

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, $\frac{3}{16}$ 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, $\frac{1}{4}$ gr.

SAMPLES FREE TO MEDICAL MEN.

In $\frac{1}{2}$ lb. and $1\frac{1}{2}$ lb. 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*.

"Fulfills 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.)"

SAMPLES FREE TO MEDICAL MEN.**The Maltine Manufacturing Company, Ltd.****24 & 25, MART STREET, BLOOMSBURY, LONDON, W.C.****Advantages of Maltine as a Menstruum for the Oil.****THE RESULT.***Maltine with Cod-Liver Oil is—***Digestible.****Palatable.****Permanent.****Economical.****Highly Nutritive.**

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.

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.

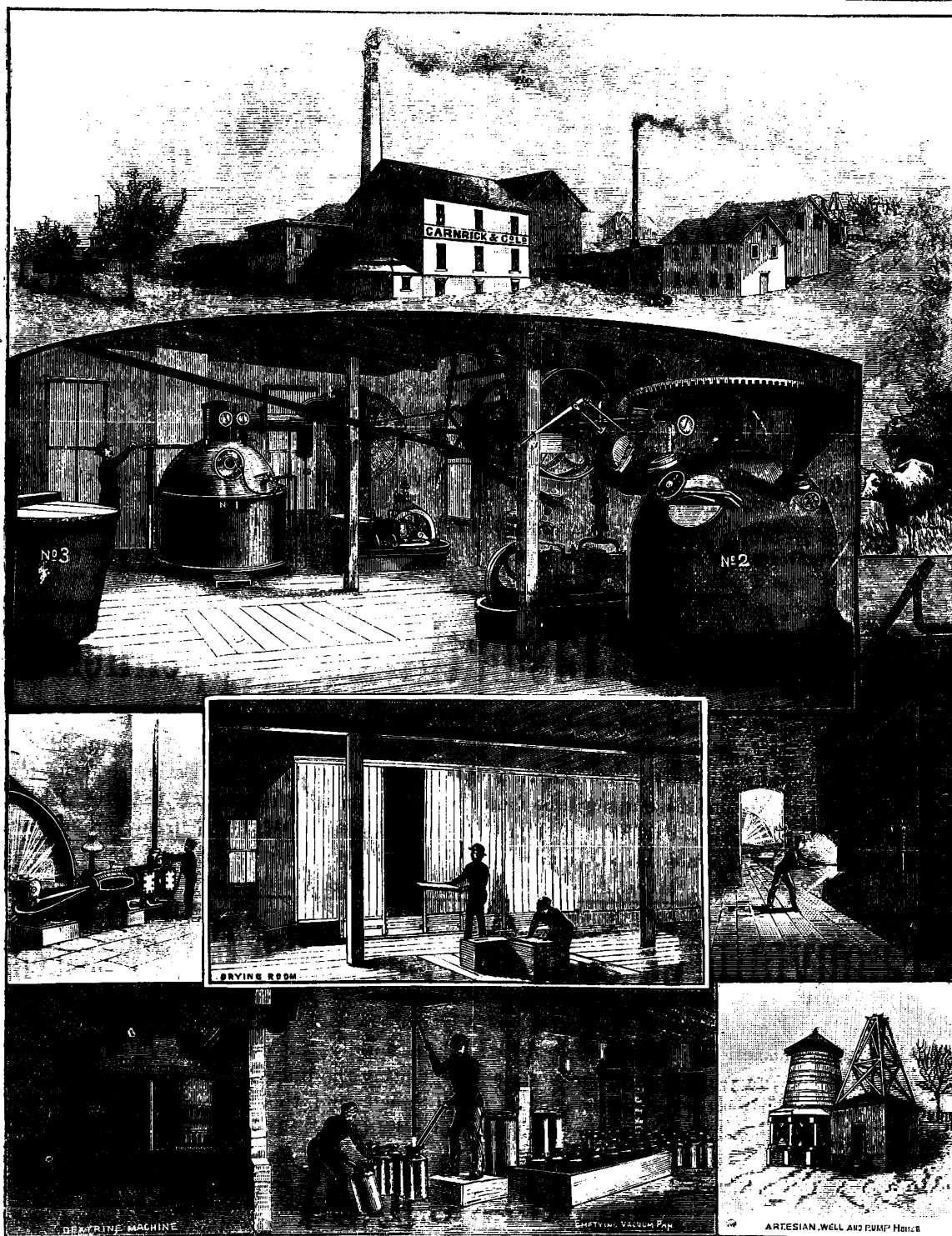
Dr. Cheadle states:—"Digested food given continuously causes enfeeblement of digestive power, by superseding the natural function, and appears to be liable to cause rickets and scurvy."

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.

Samples Free to Medical Men.

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



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 semblance 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 Cascaræ Sagradæ 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 Cascaræ Sagradæ 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 Trisnitate. 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 Depot, 9, Snow Hill, London, E.C.

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

DIABETES VAN ABBOTT'S GLUTEN BREAD,

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DELICATE CHILDREN Van Abbott's Hypophosphite of Lime Biscuits.
CONSTIPATION.—Van Abbott's Bran Biscuits.

Pure Black Tea, 2s., 2s. 6d., & 3s. per pound; Plantation Coffee, 1s. 8d. per pound;
Finest Cocoa Nibs, 1s. 8d. per pound.

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

PAMPHLET with DIABETIC and other DIETARY TABLES, COOKING RECIPIES, Price List, etc., Post Free.

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TELEGRAPHIC ADDRESS: "GLUTENS" LONDON.

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PHILADELPHIA.

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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Prescribed for Skin Disease for the past quarter century.

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

COAL-TAR

A refreshing Toilet Soap.

Proprietors:

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SOUTHWARK, LONDON.

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

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(ARMBRECHT'S.)

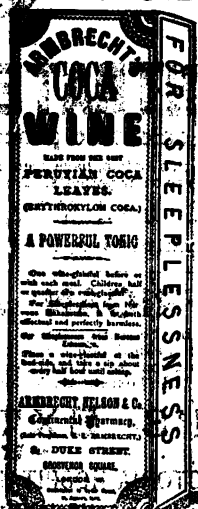
FOR FATIGUE OF
MIND AND BODY,

SLEEPLESSNESS,

DESPONDENCY, &c. &c.

AND CONSEQUENT AFFECTIONS AS

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TWELVE BOTTLES 78/-
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Carriage Paid ENGLAND & WALES, & HALF for IRELAND & SCOTLAND. REPLY TO ORDER.
PROFESSIONAL PRICES 40/- PER DOZ.; 21/- HALF DOZ. (Carriage paid as above.)

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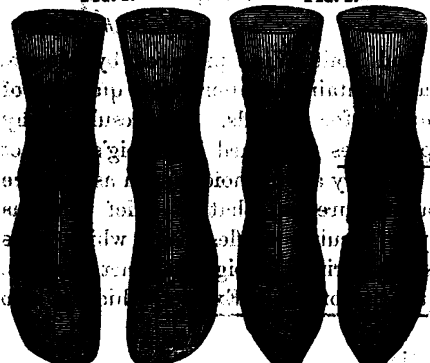
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(Situated between the Charing Cross Hotel and Trafalgar Square)
have been noted for sixty-four years for the excellence and peculiar comfort of their BOOTS and SHOES. They are made so that the toes (the great toe especially) have their full play and liberty of extension under the weight of the body, room for the great toe being provided quite straight at the inside, as Fig. 1, instead of being curved off to the centre of the foot, as Fig. 2.

FIG. 1.

FIG. 2.



REGISTERED 2775.

REGISTERED 2775.

Silver Medals from the International Health Exhibition and the National Health Society.

Gentlemen's, Ladies', and Children's Boots and Shoes are made, and special attention is given to cases of weakness and distortion, the suggestions of the Profession being intelligently carried out.

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Country customers should take outline of their feet with a pencil standing, and send an old boot as pattern. Little Children's Shoes are made of the exact shape of their feet, with ample room for the toes to spread out. The prices begin at 3s. 10d.

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Should be prescribed in cases of Indigestion, Dyspepsia, Consumption, and in all Diseases of the Chest.

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A Soluble Combination of Guaiacum with Lithium prescribed with great benefit in Chronic Gout and Rheumatism. Dose: 5 grains in pill 3 or 4 times a day.

BENZOATE OF LITHIUM.

Dose: 10 to 20 grains.

CITRATE OF LITHIUM.

Dose: 10 to 20 grains.

BLAKE'S LITHIA WATER, P.E.

Guaranteed of full strength by the Original Makers, BLAKE, SANDFORD & BLAKE, PICCADILLY LONDON.

WATER ANALYSIS.

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. at a fee of 1/-.
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GAMGEE'S TISSUE, PATENT; Lints, Roll Bandages, Cotton Wool.

N.B.—ALL ABSORBENT.

Manufactured by ROBINSON & SONS, CHESTERFIELD

BIRKBECK BANK,

(ESTAB. 1851.) SOUTHAMPTON BUILDINGS, CHANCERY LANE. THREE per CENT. INTEREST allowed on DEPOSITS, repayable on demand. TWO per CENT. on CURRENT ACCOUNTS, calculated on the minimum monthly balance. When not drawn below £100, THE BIRKBECK ADVANCE, with full particulars, can be obtained, post free, on application to FRANCIS RAVENSCROFT, Manager.

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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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ARTIFICIAL

HUMAN MILK.

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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 Stramonium 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.

WALDEN'S EXTRACT OF RENNET. "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. *British Medical Journal* writes:—"It has an extraordinary power of curdling warmed cows' milk, yielding a perfectly sweet whey, which, when mixed with some sugar of milk and fresh milk, furnishes the nearest imitation of mothers' milk which can well be produced. The preparation is a very nice and effective one."

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: **SCHIEBLER 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,"
"flavour perfect,"
"and SO PURE" } **BRITISH
MEDICAL
JOURNAL.**

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

"Once used, always used."—HEALTH.

SAMPLE TINS GRATIS {through your
Grocer or Chemist.

Prescribe
Caution!!!
"Liquor Carbonis Detergens"
Wright's

THE ORIGINAL ALCOHOLIC SOLUTION OF COAL TAR.

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

Beware to use or prescribe fraudulent and worthless imitations. Sold by all Druggists (Wholesale and Retail) throughout Great Britain, Ireland, and the Colonies.

W. V. WRIGHT & Co., Southwark Street, London.

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 SILVER MEDAL, for the superiority of this Pharmaceutical Preparation.

LIQUOR SANTAL FLAV. C. BUCHU ET CUBEBÁ (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 proctitis and chronic cystitis, when the disease is of a subacute or chronic character, the Liquor Santal may be employed with great advantage. Santal has been the remedy of some eminent surgeons in the treatment of gonorrhœa, but in combination with buchu and cubeb 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).

From Dr. GOURLEY, F.R.C.S., Senior Surgeon, Hartlepool Hospital: "I have found your 'Liq. Santal Flav. C. Buchu et Cubebá' 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. To Messrs. C. & H. Hewlett & Son, Greenwich Lane, London.

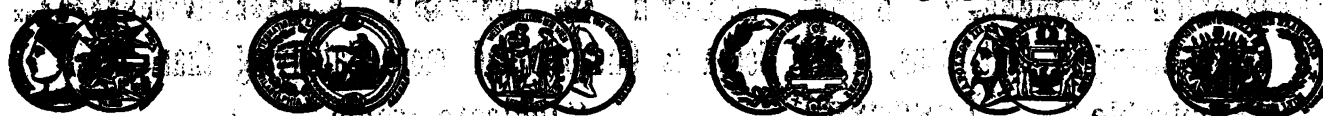
C. & H. HEWLETT & SON, Manufacturing Chemists, 40, 41 & 42, Charlotte Street, Great Eastern Street, London, E.C.

PHYSICIANS WILL OBLIGE, WHEN ORDERING LIQ. SANTAL FLAV. C. BUCHU ET CUBEBÁ, BY WRITING
LIQUOR SANTAL FLAV. C. BUCHU ET CUBEBÁ (HEWLETT'S)

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THE PARIS HOSPITALS HAVE USED NO 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, ½ ounce, 3s.

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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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Prices: Pints, 5/-; Half-pints, 2/9; Quarter-pints, 1/6.

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BY ROYAL LETTERS PATENT.

From *Lancet*:—"Nothing can be better than the action of this compound."

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DOSE—2 to 4 grains.

Since the introduction by Dr. LIONEL REALE of PEPSINA PORCI, Mr. BULLOCK has devoted special attention to its manufacture.

"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. Cantab., F.C.S., F.L.S., &c., Dr. PAVY, Professor TUSON, the late Professor GABRON, 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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HUBBUCK'S PURE OXIDE is made by sublimation, and is warranted to contain upwards of 99 per cent. of Pure Oxide; in fact, the impurities are not traceable.

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Allen & Hasbany.
Bales, Brothers & Co.
Barrow, Harveys, & Simpsons.
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IN GLASS.

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Non-Greasy—Peptonized—Antiseptic.

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LESLIE'S PLIABLE TAPE PLASTER.

IN USE AT THE PRINCIPAL HOSPITALS IN THE KINGDOM, AND IN HER MAJESTY'S NAVAL AND MILITARY SERVICES.

LESLIE'S TAPE PLASTER is the most convenient form of Adhesive Strapping, and possesses many advantages over other descriptions of plasters; it is limp, has no sharp edges, is very adhesive, does not stick together in any temperature, and is made in convenient widths for all purposes, saving time and trouble in cutting—there is no waste, and it will keep perfectly any length of time.

Each Tape is put up in airtight decorated tin box, containing 6 yards on Calico, 5 yards on Brown Holland, or 3 yards on Silk.

Widths, Calico..... $\frac{1}{2}$, $\frac{3}{4}$, 1 , $1\frac{1}{2}$ and $1\frac{3}{4}$ inches.

Brown Holland..... $\frac{1}{2}$, 1 and $1\frac{1}{2}$ inches.

Silk (Flesh, Pink or Black)..... $\frac{3}{4}$ inch.

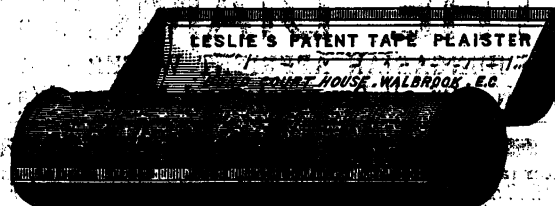
Price 1s. per tin, or 10s. per doz. any width.

EXTRA WIDTH TAPES on Calico or Brown Holland, 2 inch, 1s. 3d.; 3 inch, 1s. 6d.; 6 inch (both 6 yards), 3s. each. On silk, 1 inch, 2s.; or per yard tin, 6 inch, 5s.

BLACK WATERPROOF TAPES, $\frac{1}{2}$, 1 and $1\frac{1}{2}$ inch, 5 yards, 1s. 6d. each, or 15s. doz.; per yard tin, 6 inch, 1s. 6d.

SURGICAL CASE OF TAPE PLASTERS.

Containing set of Tapes (8),
 $\frac{1}{4}$ to $1\frac{1}{2}$ inch
(different descriptions).



Price 10s. 6d.

CADDIES, for surgery table, containing 10 yards Emp. Adh. (6 inch) Calico or Brown Holland, 5s. each.

SELF-ADHESIVE PLASTER, in Packets of 6 yards, 8 inch, 3s. 6d. per packet, also in 6 yard tins, 6 inches, 3s. 6d.

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The following spread plasters are made with great care, of full Pharmaceutical strength, with the best drugs and materials in the market; are put up in decorated tins, are convenient for carrying and handling.

	2 yards. Cal. or Holl.	6 yards. Cal. or Holl.	2 yards. Mole.	6 yards. Mole.		2 yards. Cal. or Holl.	6 yards. Cal. or Holl.	2 yards. Mole.	6 yards. Mole.
Emp. Amm. c Hyd.	3 0	7 6	3 6	9 0	Emp. Opil.	3 0	7 6	3 6	9 0
" Aconite	3 0	7 6	3 6	9 0	" Cantharid.	2 0	4 0	2 6	5 6
" Belladon.	3 0	7 6	3 6	9 0	" Carbolic Co.	2 0	4 0	2 6	5 6
" Cantharid.	2 0	7 6	3 6	9 0	" Salicylic.	2 0	4 0	2 6	5 6
" Carbolic Co.	2 0	5 0	3 0	6 6	" Sapon Alb.	1 6	3 6	2 0	4 6
" Salicylic.	2 0	5 0	3 0	6 6					

*Emp. Carbolic Co.—A perfect Antiseptic Plaster, specially recommended for wounds requiring Antiseptic Treatment. †Emp. Salicylic—Antirheumatic.

LESLIE'S ANTISEPTIC SURGICAL DRESSINGS.

Prepared in strict accordance with Sir Joseph Lister's formulae.

Carbolic, Eucalyptus, Thymol, Iodoform, Sublimated, Salicylic, Sal. Alembroth, etc. Gauzes, Linfs, Wool, Tows, etc. Oiled Silk Protective, Dextrine Prepared Oil Silk, Jaconet, Ligatures, Gutta Serena Tissue, Bandages of every description. Absorbent Lint, 1s. 9d. and 2s. per lb. Absorbent Cotton Wool, 1s. 3d. and 2s. 6d. per lb. Surgeons' Tow, Wood Wool.

LESLIE'S ALMONDIZED COD-LIVER OIL.

No Disagreeable Smell or Taste. No Nausea. Used in Brompton, St. John's, and Chelsea Children's Hospitals.

Price, 42s. Doz. Pints; 22s. Doz. Half-Pints.

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TRITICUMINA (REGISTERED)

(PATENT.)

ENTIRE WHEAT MEAL MALT BREAD.

The starch of the grain is mainly converted to Dextrine, rendering the Bread very easy of Digestion.

The most nourishing Bread for Children, providing all the essential elements for strong teeth and bones. Is used with great advantage in Diabetes. The most easily digested and most nourishing Bread. Agents appointed to bake this Bread in all towns where not already fully represented. Write for List.

TRITICUMINA (REGISTERED)

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FOOD FOR INVALIDS AND INFANTS.

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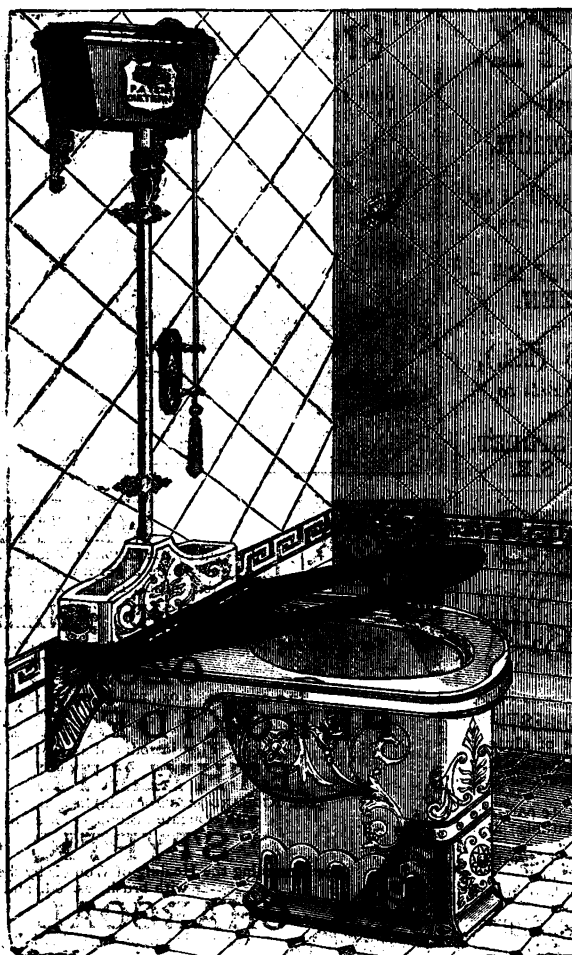
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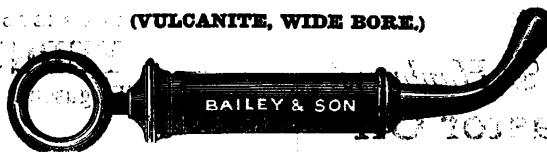
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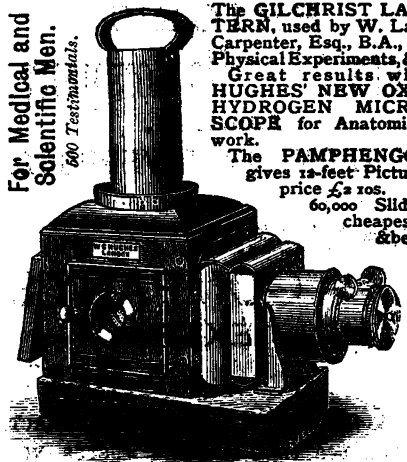
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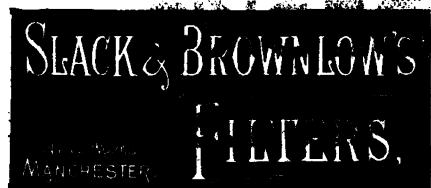


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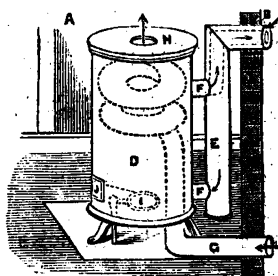
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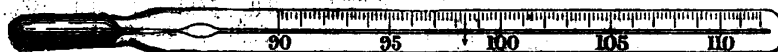
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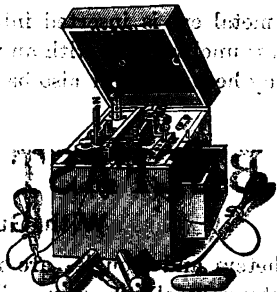
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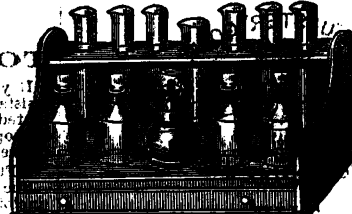
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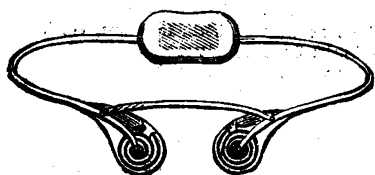
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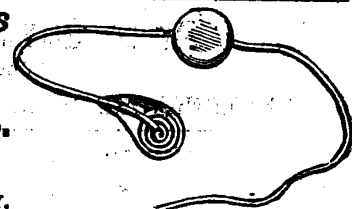


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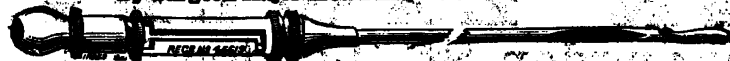
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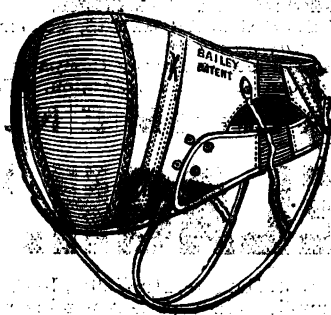
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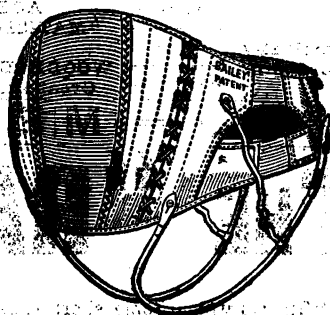
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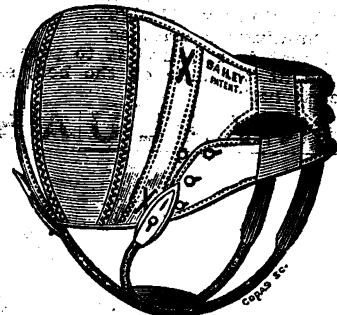
This Instrument consists of an Aspirating Needle, which can be made to any size; the guarding being insured by a bulbous pointed hollow tube working in the Needle, and protruded after the Needle is inserted into a cavity, the position being secured by a bayonet catch adjustment, all shown in the drawing. The shape of the inner cannula effectually protects the point of the Needle, which can then be moved freely about in search of fluids without risk of wounding surrounding organs or vessels, a corresponding opening in both outer and inner tubes allowing fluids to escape through the Needle into Aspirator.

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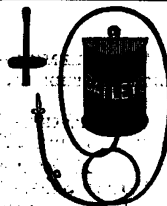
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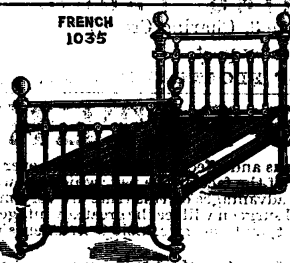


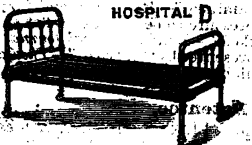




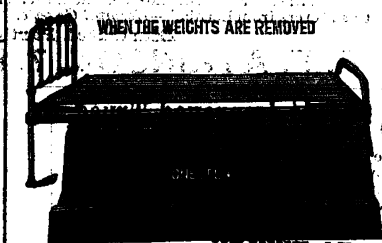
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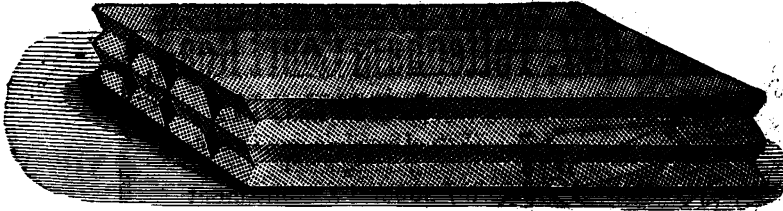
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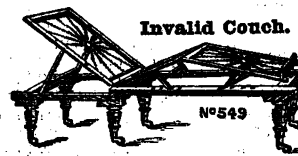


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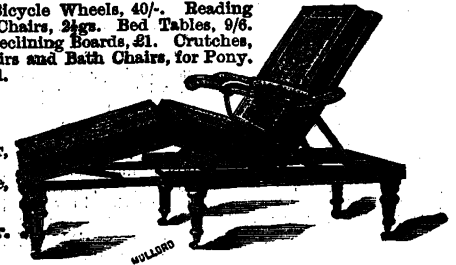
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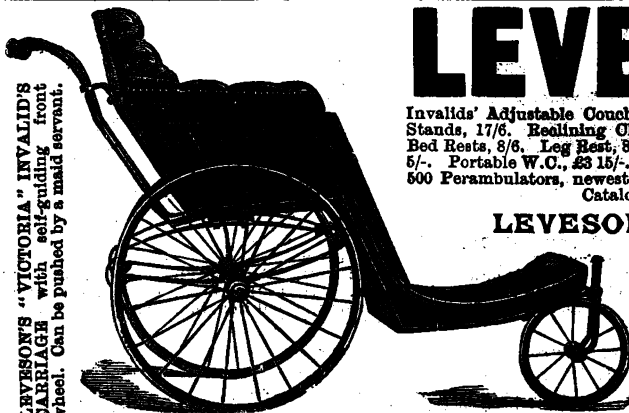
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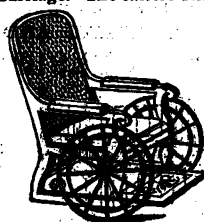
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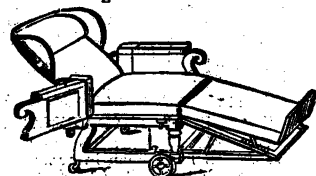
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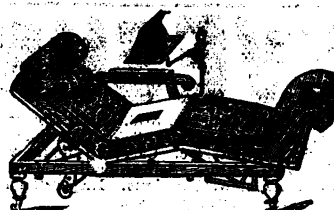
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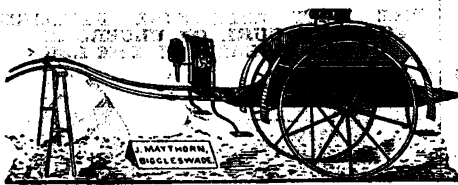
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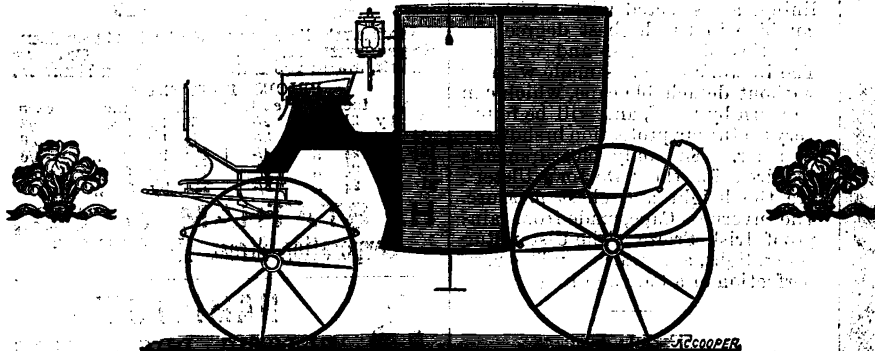


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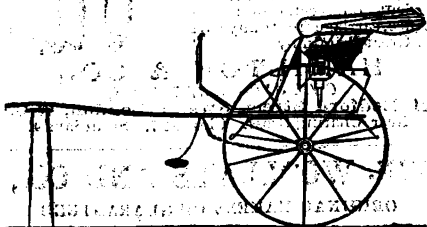
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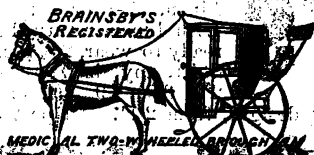
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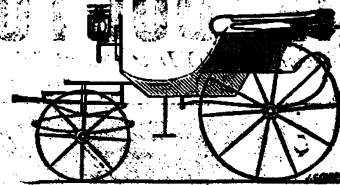
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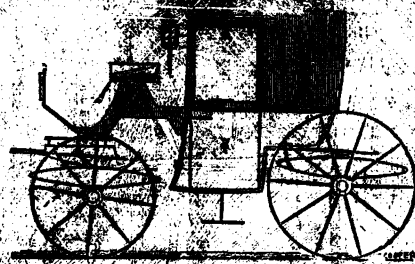
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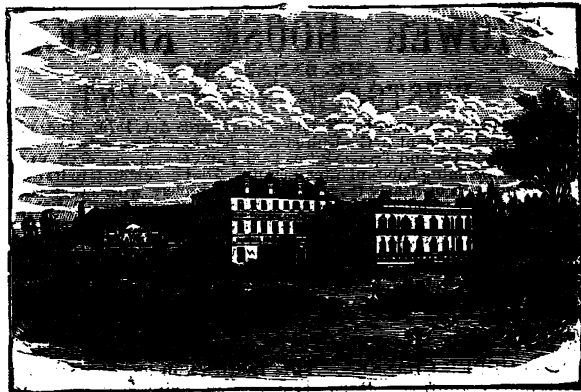
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Dec. 1st, 1888.

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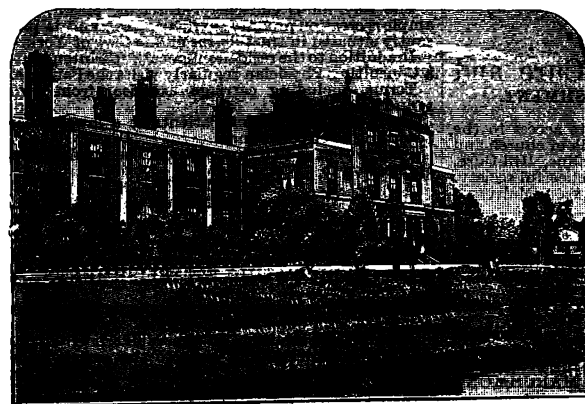
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The terms are inclusive, clothing alone excepted.

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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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.

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Telegraph address: MASSEUSES LONDON.

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 Candi-

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.

SCHOOL OF ANATOMY, PHYSIOLOGY, SURGERY, OPERATIVE SURGERY, AND ALL PROFESSIONAL SUBJECTS

Recognised by the Conjoint Board. Prospectus on application to Mr. THOMAS COOKE, F.R.C.S., Senior Assistant-Surgeon to the Westminster Hospital, who conducts the classes of Anatomy and Surgery. Private address, 40, Brunswick Square. Special private tuition of an evening for resident pupils.

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TOMY, price 7s. 6d. (Longmans), contain "in the fewest words and plainest language, and in about one-tenth the space, the matter which is found in the most accredited standard works."—*Lancet*.

Tuition by Correspondence.—

M.D. Lond., M.R.C.P. Lond. and F.R.C.S. Eng., prepares by correspondence, in a systematic and thorough manner, for all the Examinations of the Colleges of Physicians and Surgeons, the Universities, the Services, the M.D.'s of Durham, St. Andrew's and Brussels, the Apothecaries' Hall, and for the Examinations in Sanitary Science.—F.R.C.S., 64, Guilford Street W.C.

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SEVENTH YEAR. SESSIONS OF 1888-'89.

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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EYE and EAR—D. B. St. John Roosa, M.D., LL.D., President of the Faculty; Wm. Oliver Moore, M.D., Treasurer; Peter A. Callan, M.D.

VENEREAL & GENITO-URINARY DISEASES—Frederic R. Sturgis, M.D.; L. Bolton Bangs, M.D.

DISEASES of the NOSE and THROAT—Clarence C. Rice, M.D., Secretary; O. B. Douglas, M.D.

MEDICINE—Thomas B. Satterthwaite, M.D., Andrew H. Smith, M.D.; William Henry Porter, M.D.; Stephen Smith Burt, M.D.; Geo. B. Fowler, M.D.

MIND and NERVOUS SYSTEM—Charles L. Dana, M.D.; Graeme M. Hammond, M.D.

SURGERY—Lewis S. Pilcher, M.D.; Seneca D. Powell, M.D.; Robert Abbe, M.D.; A. M. Phelps, M.D.; Robert F. Weir, M.D.

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

ANATOMY of the NERVOUS SYSTEM—Ambrose L. Ranney, M.D.

DISEASES of CHILDREN—Henry D. Chapin, M.D.; Abraham Jacobi, M.D.; Joseph E. Winters, M.D.; Joseph O'Dwyer, M.D.

OBSTETRICS—C. A. Von Ramdohr, M.D.; H. J. Garrigues, M.D.

ELECTRO-THERAPEUTICS—A. D. Rockwell, M.D.

FEE for six weeks course in all the Departments, \$90 (about £18); for twelve weeks, \$150 (about £30). Courses on special subjects from £2 upwards.

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St. Thomas's Hospital Medical

SCHOOL, Albert Embankment, London, S.E.

Two ENTRANCE SCIENCE SCHOLARSHIPS, of 125 guineas and £80 respectively, open to all first-year students, will be offered for competition in September, 1889.

Special Classes are held throughout the year for the Preliminary Scientific and Intermediate M.B. Examination of the University of London, and may be joined at any time.

Entries may be made to Lectures or to Hospital Practice, and special arrangements are made for students entering in their second or subsequent years; also for Dental Students and for qualified Practitioners.

Prospectuses and all particulars may be obtained from the Medical Secretary, Mr. George Rendle, E. NETTLESHIP, Dean.

THE LONDON THROAT HOSPITAL

(For Diseases of the Throat, Nose, and Ear),
204, GREAT PORTLAND STREET, W.; and 72, BOLSOVER STREET, W.

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Chairman of the Executive Committee—R. BUTHVEN PYM, Esq.

Consulting Surgeon—SYDNEY JONES, Esq., F.R.C.S.

Hon. Medical Staff—W. McNEILL WHISTLER, M.D., M.R.C.P.; EDWARD WOAKES, M.D. Lond.

GEORGE STOKER, M.K.Q.C.P.; W. R. H. STEWART, F.R.C.S.; COLEMAN JEWELL, M.B.; ARNOLD WOAKES, M.R.C.S., L.R.C.P.

Anæsthetist—GEO. H. BAILEY, M.R.C.S. | Dental Surgeon—A. B. ALEXANDER, L.D.S., R.C.S.

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 8 o'clock. Fee for a course of three months, two guineas. The Hospital is open to Members of the Medical Profession.
A. B. WOAKES, Hon. Sec. Medical Committee.

ST. MICHAEL'S COLLEGE, SHIPTON-UNDER-WYCHWOOD OXFORDSHIRE.

A High-Class School for the Daughters of Gentlemen.

Principal - - - Miss MOORE.

Assisted by Masters from Oxford and highly-qualified English and Foreign Governesses.

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.

Those Pupils, whose parents desire it, are prepared for the different Public Examinations. Honours have been obtained in the following:—Cambridge, Senior; College of Preceptors, First Class; Kensington Science and Art Examinations; and Trinity College Examinations in Music, Theoretical and Practical.

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(In union with the Royal College of Preceptors, London.)

Candidates prepared also for the University Exams. Royal Academy of Music. South Kensington Art Exams. Terms moderate. Locality healthy. References, &c., on application to the Principals, or the Rev. S. L. LAIDMAN, Barnton Vicarage, Cheshire.

A Governess Pupil required for the next term.

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, &c., 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.

C. R. HODGSON, B.A., Secretary.

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Pelican House College (in connection with Pelican House School), Grove Park, Denmark Hill, S.E., for the Education of the Daughters of Medical Men, at fixed inclusive and moderate terms, varying according to age, as at the Epsom College for Boys.

The educational advantages are equal to those of the best high schools; but as the daughters of gentlemen only are received, the further desideratum of suitable companionship is offered. Scholarships attached.

Governess Student wanted immediately.

For prospectus apply to the Secretary, Major READ, Ivyhurst, Dulwich Grove, Dulwich, S.E.

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I. NATURAL SCIENCE, value £100. Subjects:—Inorganic Chemistry, Experimental Physics, and Biology (2 Papers).

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Further particulars on application to the Dean.

TUITION, POSTAL or PERSONAL.

Thorough preparation by an M.D. (Lond.), B.Sc., for all the Medical and Surgical Examinations of the Colleges and Universities, and Army and Navy. Practical work. Individual attention. Chemical Laboratory.—Address, M.D., B.Sc., 85, Bethune Road, London.

A Dental Surgeon, doubly

qualified, in good practice in the West of England, will take a gentleman's son as PUPIL. Every opportunity for acquiring a thorough ground-work.—Address, Thesis, care of Messrs. ASH & SONS, 9, Broad Street, Golden Square, London, W.

Bournemouth—A few Private

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.

University College, Bristol.

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 lodging of Students may be obtained on application. Several SCHOLARSHIPS are tenable at the College.

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UNIVERSITY COLLEGE, BRISTOL.—Courses of Civil, Mechanical, Electrical, and Mining Engineering, Mineralogy and Applied Geology for Civil and Mining Engineers. Facilities are offered in the way of College Scholarships, Engineering Works' Scholarships, and special arrangements for entrance into professional life. For prospectus, and particulars of residence in Clifton, apply to the DEAN, or Professor RYAN, M.A., D.Sc.

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

University Hall, Gordon Square.

Principal—HENRY MORLEY, LL.D., Professor of English Literature at University College, London.

Dean—H. FORSTER MORLEY, M.A., D.Sc., Fellow of the College.

A Hall of Residence for 53 men studying at University College.

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., LANCET Offices, 423, Strand, W.C.

University of Brussels.

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.

Wanted, an Assistant for a
Branch Practice. Duties light. Small salary (in-door). One registered qualification necessary.—Address, J. A., BRITISH MEDICAL JOURNAL Office, 429, Strand, W.C.

Wanted, Assistancy with view
to Partnership, or junior Partnership by an M.R.C.S. and L.R.C.P. Lond., aged 30. London or its neighbourhood preferred but not essential.—Address, H. D., care of LOVELL, SON & PITFIELD, 3, Gray's Inn Square, W.C.

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

Wanted, a Situation as Dis-
penser, 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.

Wanted, Engagement as Dis-
PENSER, etc. Well up in duties. Six years' good experience. Good testimonials. Abstainer. In- or out-doors. Age 22.—Carte, &c., on application to E., care of Mr. T. GILES, Calcott St., Cricklade, Wilts.

Assistancy wanted by L.R.C.S.
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A Graduate of Cambridge,
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SHIP 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 £180 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.
December 19th, 1888.

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,
Secretary.
Liverpool Leith Offices, Moorfields,
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.
December 21st, 1888.

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, 1889, 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.

MR. D. E. WILSON'S
NURSING INSTITUTION,
96, 97, 98a, WIMPOLE STREET,
Cavendish Square, London, W.

For supplying
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HOSPITAL-TRAINED NURSES

For Medical, Surgical, Monthly, Mental,
Dipsomania and Fever Cases.

Having the largest and most experienced Staff
of Nurses in London, every application can be
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The nature of the case and sex should be described
personally, or by letter or telegram, to Mr. Wilson,
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Female and Male Nurses especially adapted for
accompanying Ladies, Gentlemen, or Children to
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HOSPITAL-TRAINED MALE ATTENDANTS.

For Medical, Surgical, Mental, Dipsomania,
Fever Cases, &c.

Established 1867, since which 48,000 families
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Nurses, who reside at the Institution when dis-
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Telegraphic Address—Firth's Association, London.
Supplies superior Hospital Trained Monthly, Mental,
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care of their own Physicians, each patient being
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5 and 4, Henrietta Street, Covent Garden, W.C.
Established 1862. Solely under Medical Direction
Applications to the Secretary or Lady Superintendent,
Telegraphic Address—"Nursing Institute, London."

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York Road, Lambeth.—Respectable WET
NURSES and Certified MONTHLY NURSES,
also Certified MIDWIVES supplied on application.
Female Pupils are trained in Midwifery and Monthly
Nursing. A. ATKINSON, Matron.

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INSTITUTION
FOR TRAINED NURSES, MEDICAL,
SURGICAL, MONTHLY, AND MEDICAL
RUBBERS.
Apply to the Superintendent, 21, Hyde Terrace, Leeds.
Telegraphic Address—"Expert, Leeds."

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The HAMILTON ASSOCIATION sup-
plies Trained Male Nurses for Medical, Sur-
gical, and Mental Cases in town or country.
Terms, from ONE to FOUR Guineas per
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and the experience of the nurse supplied.
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Medical, Surgical, Monthly, and Fever Cases,
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Address, Lady Superintendent, Nursing Institu-
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Medical Pupils admitted to the Practice of this
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The Midwives are specially prepared for the Exami-
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Society's Diploma. Certified Midwives and
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application to the Matron. For Rules, Fees, &c.,
apply to
G. OWEN RYAN,
Secretary.

Wanted for the Jersey Gene-
ral Dispensary, a HOSPITAL TRAINED
NURSE, who will act as Matron, Housekeeper and
Nurse to the Infirmary. Salary £25 per annum,
uniform, and all found. Age not under 30. Applica-
tions with testimonials will be received by the Hon.
Secretary, Aquila Road, St. Helier's, Jersey, up to
Dec. 31, 1888.

The Middlesex Hospital TRAINED NURSES INSTITUTE.

Thoroughly experienced NURSES can be imme-
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Attendance at Ladies' own residences. Doctors
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NURSE-MATRON (qualified and trained) wanted
in January for the above Cottage Hospital (8 beds).
Salary £30 and laundress. Must be unmarried or a
widow without children. Written applications,
stating age and qualifications, with recent testi-
monials not later than Thursday morning, 27th
December, to Mr. GREGSON, Hon. Sec., Southend,
Essex.

Royal Free Hospital.

TRAINED NURSES INSTITUTE, Gray's
Inn Road, London, W.C.

The Royal Free Hospital supplies on the shortest
possible notice THOROUGHLY EFFICIENT MEDICAL
AND SURGICAL NURSES.

Application to be made to the Lady Superin-
tendent.

King's College Hospital.

Medical, Surgical and Fever NURSES supplied.—
Apply to the Sister Matron.

Bolton Infirmary and DISPENSARY.

Wanted, a MATRON for this Institution, contain-
ing 68 beds, Children's Wards 38 beds, and Isolated
Ward 6 beds. Salary £75 per annum, with board
and residence. Candidates must have had experi-
ence in hospital management and nursing. No
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.

Ulverston and District Cottage HOSPITAL.

MATRON and HOUSEKEEPER wanted. Salary
£35 per annum, with board and apartments.
Applications, stating age and experience, to be
forwarded before the 1st of January to Mr. ROBERT
CASSON, Hon. Secretary, Ulverston.

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LADIES' FURS.

400 Long FUR-LINED COATS from £5 10s., fine
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2000 CARRIAGE WRAPPERS, 20s. to 40s.; lined
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5000 large-size RUGS, suitable for Consulting-
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Every article guaranteed to be half West-end prices.
The New PARISIAN DOLMANETTE, in Astra-
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of rich Sable-tail CAPES and SETS, 10,000 Ragoon
CAPES and SETS, 20s. Sealskin Jackets, Dolmans,
rich Ermine and Sable Cloaks. 400 Persian 'Lea
PALETOTS and DOLMANS, 50 inches long, £4
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