JULY, 1915.

THE

JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOLOGY:

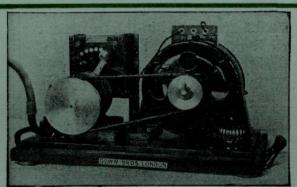
A RECORD OF CURRENT LITERATURE

RELATING TO

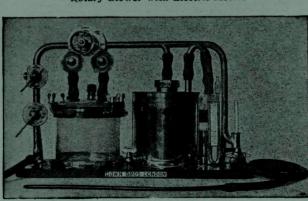
THE THROAT, NOSE, AND EAR.

Printed and Published Monthly by

ADLARD & SON, Bartholomew Press, Bartholomew Close, London, E.C.



Rotary Blower with Electric Motor.



Etherization Apparatus.

AN IMPROVED
PORTABLE APPARATUS

FOR THE

Intra-Tracheal Administration of Ether.

Made after the design of Mr. R. E. KELLY, F.R.C.S. Liverpool.

DOWN BROS.,

LTD.

Surgical Instrument Makers,

21 & 23, St. Thomas's Street

(OPPOSITE GUY'S HOSPITAL)

LONDON, S.E.

Telegrams: "DOWN, LONDON,"

Telephone: Hop 4400 (4 lines).

GRANDS PRIX:

Paris 1900, Brussels 1910, Buenos Aires 1910



Gold Medal (Highest Award), Allahabad 1910.

We have experimentally proved that Listerine is a powerful antiseptic, preventing the development of bacteria and decomposition of vegetable infusions.—British Medical Journal, May 3, 1890.

ANTISEPTIC of known and definite power, prepared in a form convenient for immediate use.

It is a saturated solution of boric acid, reinforced by the antiseptic properties of ozoniferous oils.

It is unirritating, even when applied to the most delicate tissue.

It does not coagulate serous albumen.

It is quite generally accepted as the standard antiseptic preparation for use where a poisonous or corrosive disinfectant can not be safely used.

It is particularly useful in the treatment of abnormal conditions of the mucosa, and admirably suited for a wash, gargle or douche in catarrhal conditions of the nose and throat.

In proper dilution, it may be freely and continuously used without prejudicial effect, either by injection or spray, in all the natural cavities of the body.

There is no possibility of poisonous effect through the absorption of Listerine

A pamphlet descriptive of the antiseptic, and indicating its utility in medical, surgical and dental practice, may be had upon application to the manufacturers, Lambert Pharmacal Co., Locust and Twenty-first Streets, St. Louis, Missouri, U.S.A., or to their British Agents, Messrs. S. Maw, Son & Sons, 7–12, Aldersgate Street, London, Eng., but the best advertisement of Listerine is

LAMBERT

HARMACAL COMPAN

THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.

Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN.

PUBLISHED UNDER THE DIRECTION OF THE EDITORIAL COMMITTEE:

A. CHEATLE, F.R.C.S.

(Pres. Otol. Sect. Internat. Cong.).

DUNDAS GRANT, M.A., M.D., F.R.C.S. (London).

SIT SIGLAR THOMSON, M.D., F.R.C.S. (London).

SIT SIGLAR THOMSON, M.D., F.R.C.S. (London).

A. UNEATLE, F.K.C.S.
(Pres. Otol. Sect. Internat. Cong.).
DUNDAS GRÄNT, M.A., M.D., F.R.C.S. (London).
ALBERT A. GRAY, M.D. (Glasgow).
(Pres. Otol. Sect. R.S.M.)
WILLIAM HILL, M.D. (London).
(Pres. Laryng. Sect. R.S.M.)

J. MACINTYRE, M.B., C.M. (Glasgow).
Sir W. MILLIGAN, M.D., M.Ch. (Manchester).
Sir StCLAIR THOMSON, M.D., F.R.C.S. (London).
LOGAN TURNER, M.D. (Edinburgh).
P. WATSON-WILLIAMS, M.D. (Bristol).
MACLEOD YEARSLEY, F.R.C.S. (London).

EDITOR:

DAN McKENZIE, M.D., F.R.C.S.E. (London),

To whom all communications should be addressed.

WITH THE CO-OPERATION OF THE STAFF OF ABSTRACTORS:

Drs. J. Stoddart Barr (Glasgow), H. S. Birkett (Montreal), Brady (Sydney, N.S.W. John Darling (Edinburgh), Donelan (London), Clayton Fox (London), J. S. Fraser (Edinburgh), Perry Goldsmith (Toronto), Thos. Guthrie (Liverpool), A. Hutchison (Brighton), J. D. Lithgow (Edinburgh), A. McCall (Bournemouth), Chichele Nourse (London), W. G. Porter (Edinburgh), Knowles Renshaw (Manchester), Archer Ryland (London), Lindley Sewell (Manchester), Alex. R. Tweedie (Nottingham), C. E. West (London), G. Harold L. Whale (London),

WRIGHT (Bristol), and WYLIE (London).

AND THE ASSISTANCE OF

MR. GEORGE BADGEROW (London), DRS. J. BARR (Glasgow), HUGO FREY (Vienna, GRAZZI (Florence), MIDDLEMASS HUNT (Liverpool).

A. BROWN KELLY (Glasgow), E. LAW (London), MASSEI (Naples),

D. PATERSON (Cardiff), URBAN PRITCHARD (London), F. A. ROSE (London), A. SANDFORD (Cork), SENDZIAK (Warsaw), H. TILLEY (London), RAYMOND VEREL (Aberdeen), E. WAGGETT (London), R. WOODS (Publin).

CONTRIBUTORS TO THIS NUMBER.

Dr. E. A. PETERS.

DR. WYATT WINGRAVE.
MR. MACLEOD YEARSLEY.

MR. A. R. TWEEDIE.

Mational Relief Fund.



To H.R.H. THE PRINCE OF WALES,
BUCKINGHAM PALACE, LONDON.

I beg to enclose £ National Relief Fund.	:	s.	d. as a	donation	to the
Name					
A ddress					
<u></u>					

The envelope containing this coupon need not be stamped,

CONTENTS.

Editorial—				PAGE
Cerebro-spinal Meningitis and the Sp	ohenoidal Sinus	·		265
Special Articles—		٠		
Note on the Nasal Conditions of Peters	Cerebro-spinal	Meningi 	is.—E	A. 267
Lumbar Puncture in Aural and Nasa WYATT WINGRAVE	l Cases: Patho	ology of th	e Fluid.	 2 70
Herpes Zoster Oticus.—A. R. Tweed)IE		•••	275
Societies' Proceedings-				
ROYAL SOCIETY OF MEDICINE.—LARY tions by SIR WILLIAM MILLIG W. M. MOLLISON, S. G. SHATTO LOW, C. I. GRAHAM, C. W. M. I JONES, DAN MCKENZIE, HERBER	ean, E. D. Da ock, W. Jobson Hope, H. L. W	vis, W. H Horne, V	f. Kel so V. Stuar	N, T-
Abstracts—				
CEREBEO-SPINAL MENINGITIS.— Cer and Prophylaxis.— Cerebro-spin spinal Fever.— Cerebro-spinal F Cerebro-spinal Fever and the Sp	nal Meningitis. 'ever: Diagnos	—Epidemi	c Cerebr eatment.	·o-

"It is just what a general practitioner wants. Text-books are useless at the present rapid rate of progress, and the 'Clinical Journal' keeps one up with bedside work."

3d.

PUBLISHED
ON WEDNESDAYS.

3d.

THE

CLINICAL JOURNAL

— A WEEKLY RECORD OF — CLINICAL MEDICINE & SURGERY

With their Special Branches.

THE CLINICAL JOURNAL was founded in 1892 with the object of SPECIALLY REPORTING and publishing CLINICAL LECTURES given by the leading Physicians and Surgeons of the day—Lectures for the most part delivered at the Hospitals to a few score of Students and quite lost to the General Practitioner who, however much he may desire to keep himself in touch with the progress of the times, is usually unable to attend.

Appreciation of this enterprise is shown by the present position of the Journal, its increasing circulation throughout the world, and the numerous letters received from subscribers.

New subscribers are strongly recommended to secure the **BACK YOLUMES**. It may be confidently asserted that no collection of Lectures more reliable and interesting, nor material of greater practical value, is available to the General Practitioner.

Subscribers write:-

"I consider of all the Medical Journals the 'Clinical Journal' is of the greatest use to the busy general practitioner."

"The fact is the Journal contains the very sort of article the country practitioner wants."

". . . the Journal has been useful to me in deciding points, many of which are not in text-books."

Ordinary Subscription Terms payable in advance

52 weeks - 1 26 ,, -13 ,, -

3d.

*A SPECIAL REDUCTION OF TWENTY PER CENT.

Is allowed on the above ordinary subscription terms to those subscribers signifying their intention of taking the Journal for not less than two years. **3**d.

The Medical Publishing Company, Ltd., 23, Bartholomew Close, E.C.

NOW READY.

33rd Year. About 1,000 pages. 10/- net. Enriched with many Illustrations in the Text, and 71 Plates in Colour and Black and White.

A new and very legible type is used in the production of this issue, and in every respect its contents fully maintain the high reputation won by its predecessors.

THE

MEDICAL ANNUAL, 1915.

A YEAR BOOK OF TREATMENT, AND PRACTITIONER'S INDEX.

A DICTIONARY OF MODERN THERAPEUTICS, A DICTIONARY OF NEW TREATMENT, with a Special Section for NAVAL & MILITARY SURGERY.

Contributors:

E. WYLLYS ANDREWS, A.M., M.D., Chicago. SIR CHAS. BENT BALL, BART., M.D., F.R.C.S. JOSEPH G. BLUMFELD, B.A., M.D. FRANCIS D. BOYD, C.M.G., M.D., F.R.C.P. FRANCIS J. CHARTERIS, M.B., B.CH. G. LENTHAL CHEATLE, c.v.o., c.b., f.r.c.s. JOHN D. COMRIE, M.A., M.D. CAREY F. COOMBS, M.D., M.R.C.P. JOHN S. FRASER, M.B., CH.B., F.R.C.S. HERBERT FRENCH, M.A., M.D., F.R.C.P. BRYDEN GLENDINING, M.S., M.B., F.R.C.S. EDWARD W. GOODALL, M.D., B.S. FRANCIS W. GOYDER, B.A., M.B., F.R.C.S. ERNEST W. HEY GROVES, M.D., M.S., F.R.C S. OSKAR C. GRUNER, M.D. Lond. C. THURSTAN HOLLAND, M.R.C.S., L.R.C.P. ROBERT HUTCHISON, M.D., F.R.C.P.

COL. LOUIS A. LA GARDE, U.S.A. Army Medical Corps (Retired). FREDERICK LANGMEAD, M.D., F.R.C.P. E. G. GRAHAM LITTLE, M.D., F.R.C.P. CHARLES FRED. MARSHALL, M.D., F.R.C.S. KEITH W. MONSARRAT, M.B., F.R.C.S. JOS. J. PERKINS, M.A., M.B., F.R.C.P. BEDFORD PIERCE, M.D., F.R.C.P. JOSEPH PRIESTLEY, B.A., M.D., D.P.H. SIR LEONARD ROGERS, Lt.-Col. L.M.S., M.D., F.R.C.S. Calcutto F.R.C.S., Calcutta. A. RENDLE SHORT, M.D., B.S., F.R.C.S. PURVES STEWART, M.A., M.D., F.R.C.P. A. HUGH THOMPSON, M.A., M.D. J. W. THOMSON WALKER, F.R.C.S. A. GASCOIGNE WILDEY, Dep. Surg. Gen., R.N. JOHN H. YEARSLEY, F.R.C.S.

Lancet.—"We have nothing but praise for this Annual."

BRISTOL, ENG.: JOHN WRIGHT & SONS, LTD.
LONDON: SIMPKIN, MARSHALL, HAMILTON, KENT & CO., LTD.