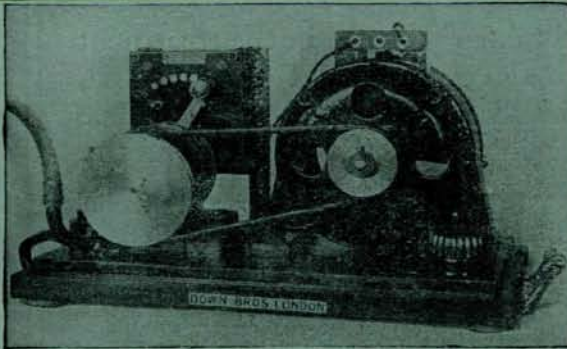


THE  
**JOURNAL OF LARYNGOLOGY,  
 RHINOLOGY, AND OTOTOLOGY:**  
 A RECORD OF CURRENT LITERATURE  
 RELATING TO  
**THE THROAT, NOSE, AND EAR.**

*Printed and Published Monthly by  
 ADLARD & SON, Bartholomew Press, Bartholomew Close, London, E.C.*



Rotary Blower with Electric Motor.

**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.**

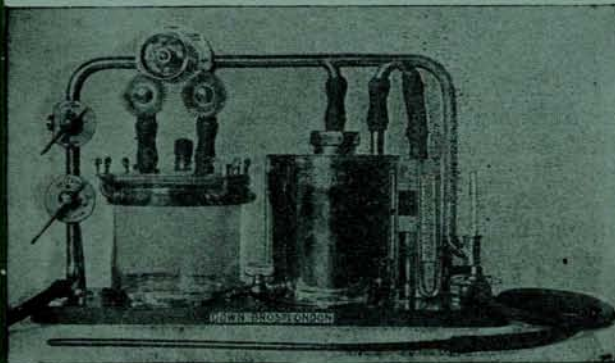
Telegrams:  
 "DOWN, LONDON."

Telephone:  
 Hop 4400 (4 lines).

**GRANDS PRIX:**  
 Paris 1900, Brussels 1910, Buenos Aires 1910.



Gold Medal (Highest Award),  
 Allahabad 1910.



Etherization Apparatus.

Prepaid Annual Subscription, £1 (5 dollars) post free.

Single Copies, Two Shillings.

ENTERED AT STATIONERS' HALL.

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.

**LISTERINE** is an efficient, non-toxic 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 . . . . .*

**LISTERINE**



# THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.

Founded in 1887 by **MORELL MACKENZIE** and **NORRIS WOLFENDEN**.

PUBLISHED UNDER THE DIRECTION OF THE EDITORIAL COMMITTEE:

<b>A. CHEATLE, F.R.C.S.</b> (Pres. Otol. Sect. Internat. Cong.).	<b>J. MACINTYRE, M.B., C.M.</b> (Glasgow).
<b>DUNDAS GRANT, M.A., M.D., F.R.C.S.</b> (London).	<b>Sir W. MILLIGAN, M.D., M.Ch.</b> (Manchester).
<b>ALBERT A. GRAY, M.D.</b> (Glasgow).	<b>Sir StCLAIR THOMSON, M.D., F.R.C.S.</b> (London).
(Pres. Otol. Sect. R.S.M.)	(Pres. Laryng. Sect. Internat. Cong.).
<b>WILLIAM HILL, M.D.</b> (London).	<b>LOGAN TURNER, M.D.</b> (Edinburgh).
(Pres. Laryng. Sect. R.S.M.)	<b>P. WATSON-WILLIAMS, M.D.</b> (Bristol).
	<b>MACLEOD YEARSLEY, F.R.C.S.</b> (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** (Dublin).

## CONTRIBUTORS TO THIS NUMBER.

<b>SIR WILLIAM MILLIGAN.</b>	<b>MR. ARCHER RYLAND.</b>	<b>DR. WYATT WINGRAVE.</b>
<b>MAJOR F. H. WESTMACOTT.</b>	<b>MR. H. L. WHALE.</b>	<b>DR. DUNDAS GRANT.</b>
<b>DR. W. S. SYME.</b>	<b>MR. THOMAS GUTHRIE.</b>	

## National Relief Fund.



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

I beg to enclose £            :            s.            d. as a donation to the  
National Relief Fund.

Name \_\_\_\_\_

Address \_\_\_\_\_

The envelope containing this coupon need not be stamped.

## CONTENTS.

<b>Special Articles—</b>	<b>PAGE</b>
Warfare Injuries and Neuroses.— <b>MAJOR SIR WILLIAM MILLIGAN</b> and <b>MAJOR F. H. WESTMACOTT</b> ... .. .	297
Abnormally Long Styloid Process causing Throat Symptoms; Removal. — <b>W. S. SYME</b> ... .. .	303
Otolaryngological Cases from a Military Hospital.— <b>ARCHER RYLAND</b> ...	304
<b>Societies' Proceedings—</b>	
<b>ROYAL SOCIETY OF MEDICINE.—LARYNGOLOGICAL SECTION.—</b> Communica- tions by <b>WILLIAM HILL, L. H. PEGLER, CECIL GRAHAM, G. SECCOMBE</b> <b>HETT, SIR WILLIAM MILLIGAN, H. L. WHALE, C. W. M. HOPE, DAN</b> <b>McKENZIE, W. STUART-LOW, J. DUNDAS GRANT, W. M. MOLLISON,</b> <b>J. L. IRWIN MOORE, CYRIL HORSFORD</b> ... .. .	307
<b>INTERNATIONAL CONGRESS OF MEDICINE.—OTOLOGICAL SECTION.—</b> Com- munications by <b>P. JACQUES, HOLGER MYGIND, L. BAR</b> ... .. .	321
<b>Abstracts—</b>	
<b>PHARYNX.—</b> Congenital Heart Disease and Ulcerative Sore Throat.— Persistent Pharyngeal Rudiment.—Tonsillectomy: Indications and Results ... .. .	324
<b>NOSE.—</b> The Importance of the Paranasal Sinuses in the Explanation of Pain in the Face, Head, Neck, and Shoulders ... .. .	325
<b>MISCELLANEOUS.—</b> Dry Pulverisations obtained by the Author's Method. —The Antiseptic Power of Iodine ... .. .	326
<b>Review—</b>	
Index of Differential Diagnosis of Main Symptoms. By various writers. Edited by <b>HERBERT FRENCH</b> ... .. .	327
<b>Notes and Queries</b> ... .. .	328

**“P., D. & Co.”  
ANTIDIPHThERIA SERUM**

in bulbs containing from  
1000 to 6000 Antitoxin Units  
**independently certified as to Purity,  
Asepticity and Potency by the Patho-  
logical Laboratory of the University of  
Cambridge.**

“Standard” and “Special” Grades are  
supplied, differing only in the volume in  
which a given number of antitoxin units  
is presented.

For report of admirable results with “P., D. & Co.” Antidiphtheria  
Serum, see *Lancet*, 29th Dec., 1902, p. 1685:—

“In some cases as much as 35,000 units were administered *intravenously* without  
untoward effect.”

This serum is prepared under the most rigid precautions by highly qualified  
bacteriologists in our own laboratories which are officially inspected and licensed.

*A Pamphlet entitled “Serum Therapeutics” will be supplied on request by*  
**PARKE, DAVIS & Co., 50, Beak Street, LONDON, W.**  
**Regent Street,**

**Medical Temperance  
Review.**

Edited by **H. J. PATERSON, M.B.**

**QUARTERLY. Sixpence per Number net.**

**ADLARD & SON, BARTHOLOMEW CLOSE, LONDON, E.C.**

**SCHOOL HYGIENE.**

Published under the auspices of  
**The Medical Officers of Schools Association.**

**QUARTERLY. ANN. SUB. 4/6 post free.**

**ADLARD & SON, BARTHOLOMEW CLOSE, LONDON, E.C.**

ADVERTISEMENTS.

"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 **SPECIALY 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 VOLUMES**. 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, { 52 weeks - 15/6  
payable in advance { 26 " - 8/-  
{ 13 " - 4/-

**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.

**3d.**

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