

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.

**SUSPENSION
 LARYNGOSCOPY
 APPARATUS**

AFTER PROFESSOR KILLIAN.

As made for MR. W. G. HOWARTH, F.R.C.S.,
 ST. THOMAS'S HOSPITAL.

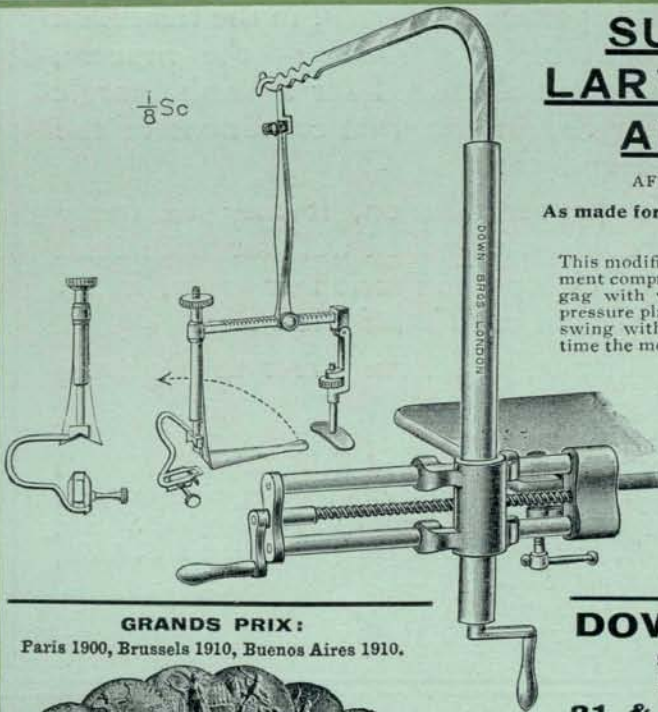
This modification of Professor Killian's Instrument comprises, with other advantages: mouth-gag with wider opening, adjustable counter-pressure plate, extra long spatula, and improved swing with swivel joint, securing at the same time the most perfect access and comprehensive view possible.

PRICES.

Complete, as shown, with upright vertical and horizontal adjustment, clamp for operation table, swing hook, set of spatulae, and electric light, £20 11s. 9d.

Without electric light attachment, £19 7s.

The swing only, with gag and counter-pressure plate, £5 15s. 6d.



GRANDS PRIX:

Paris 1900, Brussels 1910, Buenos Aires 1910.



DOWN BROS., Ltd.,

**Surgical Instrument
 :: Manufacturers ::**

**21 & 23, St. Thomas's St.,
 London, S.E.**

Telegrams:
 "DOWN, LONDON,"

(Opposite Guy's
 Hospital).

Telephone:
 HOP. 4400 (4 lines).

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:

A. CHEATLE, F.R.C.S. (Pres. Otol. Sect. Internat. Cong.).	D. R. PATERSON, M.D., M.R.C.P. (Pres. Laryng. Sect. R.S.M.)
DUNDAS GRANT, M.A., M.D., F.R.C.S. (London).	Sir StCLAIR THOMSON, M.D., F.R.C.S. (London). (Pres. Laryng. Sect. Internat. Cong.).
RICHARD LAKE, F.R.C.S. (Pres. Otol. Sect. R.S.M.).	LOGAN TURNER, M.D. (Edinburgh).
J. MACINTYRE, M.B., C.M. (Glasgow).	P. WATSON-WILLIAMS, M.D. (Bristol).
W. MILLIGAN, M.D., M.Ch. (Manchester).	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), PRICE-BROWN (Toronto),
KNOWLES RENSHAW (Manchester), LINDLEY SEWELL (Manchester),
ALEX. R. TWEEDIE (Nottingham), RAYMOND VEREL (Aberdeen),
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)
A. A. GRAY (Glasgow), 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),
E. WAGGETT (London), R. WOODS (Dublin).

CONTRIBUTORS TO THIS NUMBER.

DR. J. S. FRASER.	MR. THOMAS GUTHRIE.	MR. A. J. WRIGHT.
DR. LADISLAUS ONODI.	MR. MACLEOD YEARSLEY.	MR. ALEX. R. TWEEDIE.
DR. W. S. SYME.	MR. H. CLAYTON FOX.	DR. DUNDAS GRANT.

MEDICAL GRADUATES' COLLEGE AND POLYCLINIC,

22, Chenies Street, Gower Street, London, W.C.

PRESIDENT:

Sir JAMES CRICHTON-BROWNE, M.D., LL.D., F.R.S.

The teachers include members of the Staffs of the General and Special Hospitals and Medical Schools of the Metropolis and elsewhere.

The Demonstrations on Friday afternoons at 4 p.m. are devoted to Diseases of the Throat, Nose, Ear and Eye.

Lectures, June 3, at 5.15 p.m.—**DR. WILLIAM HILL**.—"Prevalent Misconceptions concerning the Oesophagus in Health and Disease." June 30, at 5.15 p.m.—**MR. RICHARD LAKE**.—"Acute Otitis Media, its Complications and Treatment."

Annual Subscription, admitting to all Lectures and Demonstrations, One Guinea.

Special Practical Classes are conducted in Otology (**DR. DAN MCKENZIE**), Laryngology (**MR. J. GAY FRENCH**), and Rhinology (**MR. STUART-LOW**), etc.

Pathological Investigations of all kinds are carried out in the Laboratory.

Further Particulars may be obtained from the Medical Superintendent,

MAJOR VINT, M.B., 22, Chenies Street, Gower Street, London, W.C.

CONTENTS.

Editorial—	PAGE
Herpes Zoster Oticus	281
Special Articles—	
Reports for the Year 1913 from the Ear and Throat Department of the Royal Infirmary, Edinburgh. Part V.—Acute Suppurative Otitis Media, Purulent Labyrinthitis and Leptomeningitis, without Rupture of the Tympanic Membrane.—J. S. FRASER—(With 3 Plates)	284
The Rhinogenic and Otogenic Lesions of the Third, Fourth, Fifth and Sixth Cranial Nerves.—LADISLAUS ONODI (translated by DAN MCKENZIE)	304
Societies' Proceedings—	
ROYAL SOCIETY OF MEDICINE.—OTOLOGICAL SECTION.—Communications by C. E. WEST, H. J. DAVIS, W. M. MOLLISON, G. J. JENKINS, RICHARD LAKE, J. H. CONNOLLY, W. H. KELSON	312
SCOTTISH OTOLOGICAL AND LARYNGOLOGICAL SOCIETY (<i>continued from p. 215</i>).—Communications by A. LOGAN TURNER, J. WALKER DOWNIE, W. G. PORTER, J. D. LITHGOW	319
INTERNATIONAL CONGRESS OF MEDICINE.—SECTION XV—LARYNGOLOGY.—Discussion on the Recent Progress of Endoscopic Methods as Applied to the Larynx, Trachea, Bronchi, Œsophagus and Stomach	323
CLINICAL CONGRESS OF SURGEONS	327
Abstracts—	
PHARYNX.—Primary Carcinoma of the Epiglottis, with Report of a Case operated on by means of Suspension Laryngoscopy.—A Case of Osteomyelitis of the Sphenoid Bone following Removal of Adenoids. Some Causes of Disappointment following Removal of Tonsils and Adenoids.—Development of the Pharynx by Muscular Exercises after Operation for Adenoids, with Special Reference to Feeble-minded Children	328
NOSE.—Intra-nasal Opening of the Maxillary Antrum.—Route of Access to the Ethmoidal Labyrinth by Harris Mosher's Method	329
LARYNX AND TRACHEA.—Functional Aphonia: A Method of Curative and Preventive Treatment.—Acute Rheumatic Arthritis of the Crico-arytænoid Joint and Conditions resembling it from the Clinical Standpoint	331
ŒSOPHAGUS.—The Removal of Foreign Bodies from the Upper End of the Œsophagus	332
EAR.—The Relation of Air- and Bone-Conduction in Obstructive Deafness.—The Clinical Aspect of Herpes Zoster Oticus.—Topography of the Tympanic Cavity	332
Review—	
Geschichte der Ohrenheilkunde (History of Otology).—ADAM POLITZER	334
Notes and Queries	336
Books Received	336

RHINOLOGY: A Text-Book of Diseases of the Nose and :: :: Nasal Accessory Sinuses

BY PATRICK WATSON-WILLIAMS,
M.D. London,

Lecturer on the Diseases of the Ear, Nose and Throat at the University of Bristol, etc.

With 3 Coloured Plates and 44 Black and White Plates (of which 26 are Stereoscopic), and 140 Illustrations in the Text. 8vo. 12s. 6d. net. With Stereoscope, 15s. net (Inland postage 6d.)

The Stereoscope is also supplied separately, price 2s. 6d. net.

LONGMANS, GREEN & CO., 39, Paternoster Row, London, E.C.

“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,
Regent Street, LONDON, W.

THE TONSILS AND THE VOICE

IN SCIENCE, SURGERY, SPEECH AND SONG.

With Original Contributions from the Highest Medical and Voice Authorities.

By **RICHARD B. FAULKNER, M.D.** (Columbia University).

No treatise on the tonsils is complete unless it includes the questions of the
voice. Delicate, difficult, complex, technical questions of the voice arise.
This work presents the evidence and furnishes the proof that the faucial tonsil
possesses important mechanical, acoustic and phonetic functions. It shows the
purpose of the tonsil in the vocal scheme and gives a clear exposition of the
science of the vocal art. The only work on the subject published in any language.

Medical Record (New York): “The object of this work is to present known facts, the latest views of
the most eminent authorities, and the indications which denote safe lines of treatment. The author
strikes a timely note of conservatism.”

The Lancet (London): “Readers will feel indebted to Dr. Faulkner for his compilation. The
method of treatment of the subject is certainly *sui generis*, but specialists should be none the less
grateful for so much information and such a gathering of famous opinions.”

Internationales Zentralblatt für Ohrenheilkunde (Leipzig): “These contributions in many instances
strike directly to the heart of the question and convince the reader by their logic. But in all cases they
give to the book a fascinating charm without detracting from its scientific value. I would desire that
a worthy translation into German, French and Italian might greatly increase the number of readers
outside of the United States of America.”

Archivii Italiani di Laryngologia (Naples): “The book commends itself. It is well thought out
and brilliantly expounded.”

La Presse Oto-Laryngologique Belge (Brussels): “It furnishes a documentary argument down to
its last details, and rests on the opinion of all that the science of the vocal art and laryngology
contains of illustrations and practice the most renowned.”

Cloth, TWO DOLLARS, net. Four hundred pages. Illustrated.

Sent post paid upon receipt of price. Also through all booksellers.

THE PRESBYTERIAN BOOK STORE, Distributors, **202, Fulton Building,
Pittsburgh, Pa., U.S.A.**

HOSPITAL FOR DISEASES OF THE THROAT, GOLDEN SQUARE, LONDON, W.

HONORARY MEDICAL STAFF.

Consulting Surgeons { MR. MARK HOVELL.
DR. LAMBERT LACK.

SURGEONS.	OUT-PATIENTS.	OPERATIONS.
DR. J. W. BOND	Wednesday, 2.0 P.M. ...	Friday, 10.15 A.M.
MR. CHARLES PARKER	{ Tuesday, 2.0 P.M. ...	} Thursday, 2.0 P.M.
	{ Friday, 2.0 P.M. ...	
DR. FITZGERALD POWELL	Monday, 2.0 P.M. ...	Thursday, 10.0 A.M.
MR. FRANK ROSE	Thursday, 2.0 P.M. ...	Friday, 2.0 P.M.
MR. JEFFERSON FAULDER	{ Tuesday, 6.30 P.M. ...	} Tuesday, 9.30 A.M.
	{ Saturday, 2.0 P.M. ...	
MR. GEORGE BADGEROW	{ Monday, 9.0 A.M. ...	} Wednesday, 9.0 A.M.
	{ Friday, 6.30 P.M. ...	
ASSISTANT SURGEONS.		ATTENDANCES.
MR. NORMAN PATTERSON	Tuesday, 2.0 P.M.,	Friday, 2.0 P.M.
MR. CHARLES HOPE ...	Tuesday, 6.30 P.M.,	Wednesday, 2.0 P.M., Saturday, 2.0 P.M.
MR. LIONEL COLLEDGE ...	Wednesday, 2.0 P.M.,	Thursday, 2.0 P.M., Friday, 6.30 P.M.
DENTAL SURGEON.		
DR. J. W. PARE	Thursday, 9.30 A.M.	

CLINICAL INSTRUCTION.

A Clinical Demonstration on the Diagnosis and Treatment of Selected Cases (Larynx, Nose, Ear) will be given each Monday at 5 p.m.

A Course in Surgical Anatomy and Physiology will be given each Thursday at 5 p.m. These Courses are free to Students of the Hospital. Others a fee of 2 guineas for each Course.

Practical Instruction in the Diagnosis and Treatment is given **daily** in the Out-patient Department from 2 to 5 p.m., on Tuesdays and Fridays from 6.30 p.m. to 9 p.m., and Mondays at 9.30 a.m.

Major Operations are performed at 10 a.m. on Tuesday, Wednesday, Thursday, Friday, and Saturday, and Fridays at 2 p.m.

Minor Operations daily (Mondays excepted) at 9.30 a.m.

Operative Surgery Classes can be formed at any time on application.

Practice in Direct **Laryngoscopy, Tracheoscopy, Bronchoscopy,** and **Œsophagoscopy** will be given to Students, to enable them to become familiar with the use and manipulation of the instruments.

Practitioners and Medical Students are admitted to the Practice of the Hospital at a fee of five guineas for three months, eight guineas for six months, or ten guineas for a Perpetual Studentship. Each course may commence at any date. Special terms to men in actual practice who can only attend the hospital once or twice a week.

The Hospital contains 60 beds for In-patients. There is also an Out-patient attendance of nearly 50,000 yearly.

Gentlemen may enter to the practice of **The Throat Hospital** at any time and on certain conditions eligible for appointment as **Clinical Assistants**, whose duty it is to Assist the Member of the Staff to whom they are appointed.

GEORGE W. BADGEROW, F.R.C.S., *Hon. Med. Sec.*