

THE  
**JOURNAL OF LARYNGOLOGY,  
 RHINOLOGY, AND OTOTOLOGY:**

A RECORD OF CURRENT LITERATURE

RELATING TO

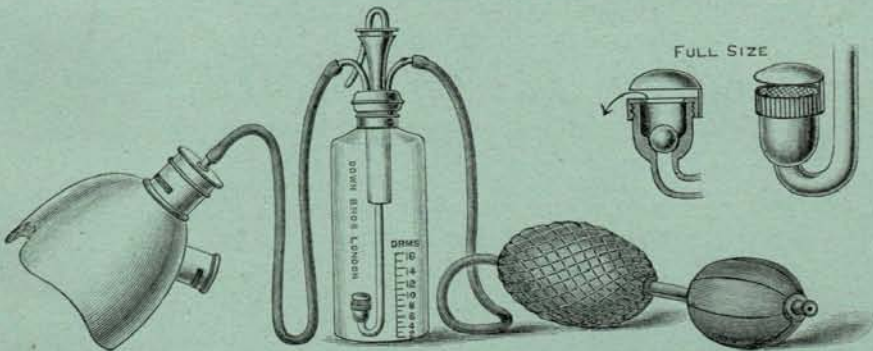
**THE THROAT, NOSE, AND EAR.**

*Printed and Published Monthly by*

*ADLARD & SON & WEST NEWMAN, Ltd., Bartholomew Close, London, E.C. 1.*

**A SAFE JUNKER'S INHALER**

As made for MORRIS RIGBY, M.R.C.S., L.R.C.P.Lond., Capt., R.A.M.C.T.,  
 Anæsthetist, Sussex County Hospital, and 2nd Eastern  
 General Hospital, Brighton.



Can be used with safety in darkened rooms for Laryngological Operations, etc.

**Rigby's Chloroform Inhaler complete in case**      **£3 8s. 3d.**  
**Rigby's Chloroform Bottle only**                      **£1 5s. 0d.**

**GRANDS PRIX:**

Paris 1900, Brussels 1910, Buenos Aires 1910.



Gold Medal Allahabad 1910.

Manufactured by  
**DOWN BROS., LTD.,**

Surgical Instrument Makers,

21 & 23, ST. THOMAS'S ST., LONDON, S.E.

(opposite Guy's Hospital.)

Telegrams:  
 "DOWN, LONDON."

Telephone:  
 Hop. 4400 (4 Lines.)

"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

*A safe, non-poisonous, unirritating  
antiseptic solution*

**LISTERINE** 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.

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

**LISTERINE** embodies a two-fold antiseptic effect, in that after the evaporation of its volatile constituents—thyme, eucalyptus, mentha, gaultheria, and ethyl alcohol—a film of boracic and benzoic acids remains upon the surface to which Listerine has been applied, affording more prolonged antiseptic protection.

**LISTERINE** is a trustworthy surgical dressing; it has no injurious effect upon the tissues in which the healing process is going on.

**LISTERINE** in teaspoonful doses will often afford relief in fermentative dyspepsia, and is largely prescribed, with excellent results, in the various forms of diarrhœa occurring in infants and adults.

**LISTERINE** literature, including special pamphlets upon *Respiratory Diseases*, may be had, by physicians, upon application to

**LAMBERT PHARMACAL COMPANY**

2101 Locust Street

St. Louis, Mo., U.S.A.

British Agents:

S. Maw, Son & Sons, 7 Aldersgate St., London, E.C.

# THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY.

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

PUBLISHED UNDER THE DIRECTION OF THE EDITORIAL COMMITTEE:

<b>H. S. BIRKETT, C.B., M.D.,</b> Col. C.A.M.C. (Montreal).	<b>J. MACINTYRE, M.B., C.M. (Glasgow).</b>
<b>A. CHEATLE, F.R.C.S.</b> (Pres. Otol. Sect. Internat. Cong.).	<b>Sir W. MILLIGAN, M.D., M.Ch. (Manchester)</b>
<b>H. J. BANKS DAVIS, M.D., F.R.C.P. (London).</b> (Pres. Otol. Sect. R.S.M.).	<b>Sir StCLAIR THOMSON, M.D., F.R.C.S. (London).</b> (Pres. Laryng. Sect. Internat. Cong.).
<b>DUNDAS GRANT, M.A., M.D., F.R.C.S. (London).</b>	<b>HERBERT TILLEY, M.D., F.R.C.S. (London).</b>
<b>WILLIAM HILL, M.D. (London).</b>	<b>LOGAN TURNER, M.D. (Edinburgh).</b>
<b>A. BROWN KELLY, M.D. (Glasgow).</b> (Pres. Laryng. Sect. R.S.M.).	<b>P. WATSON-WILLIAMS, M.D. (Bristol).</b>
	<b>MACLEOD YEARSLEY, F.R.C.S. (London)</b>

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), 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),**  
**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),**  
**GRAZZI (Florence), 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>MAJOR SOHIER BRYANT.</b>	<b>DR. C. E. JONES-PHILLIPSON.</b>	<b>DR. DOUGLAS GUTHRIE.</b>
<b>LT.-COL. J. W. BARRETT.</b>	<b>DR. C. A. SWAN.</b>	<b>CAPT. H. LAWSON WHALE.</b>
<b>CAPT. J. K. MILNE DICKIE.</b>	<b>MR. R. LAKE.</b>	<b>MR. MACLEOD YEARSLEY.</b>
	<b>DR. J. S. FRASER.</b>	

# CONTENTS.

Special Articles—	PAGE
The Oto-Rhino-Laryngological Service in Italy.—W. SOHIER BRYANT	97
Summary of Report on Diseases of the Ear, Nose, and Throat in Egypt from 1915.—JAMES W. BARRETT	100
Two Interesting Cases of Middle-Ear Suppuration with Complications.—J. K. MILNE DICKIE	106
War Injuries and Neuroses of Otological Interest ( <i>concluded</i> ).—C. E. JONES-PHILLIPSON	111
The Results of a Series of Investigations Based on Examination of 110 Individuals with Regard to the Time of Commencement and Duration of Nystagmus in the Caloric Test.—C. A. SWAN and R. LAKE	118
 <b>Clinical Note—</b>	
Medication of the Middle Ear, per Tubam.—DAN MCKENZIE	118
 <b>Abstracts—</b>	
PHARYNX.—Tonsillectomy in Diphtheria Carriers.—Vincent's Angina among the Troops in France.—Tonsillar Infections of the Cavernous Sinus	120
NOSE.—Operations on the Nasal Sinuses carried out through a Temporary Opening in the Septum (Trans-septal).—Head Colds from the Stand-point of the Internist: Their Results and Treatment.—Familial Epistaxis: A Case Report	121
EAR.—The Technique of Examination of the Static Labyrinth.—Tuberculous Mastoiditis—Radical Operation under Cocaine Anæsthesia.—Results in Four Cases of a Modified Radical Operation for Chronic Purulent Otitis Media.—An Analytic Study of the Rinne and other Tuning-fork Tests	122
MISCELLANEOUS.—The Rational Treatment of Stuttering	123
 <b>Reviews—</b>	
Les Blessures du Cerveau.—Eye, Ear, and Throat Hospital for Shropshire and North Wales, 1818–1918.—Three Clinical Studies in Tuberculous Predisposition	124
Obituary	126
Notes and Queries	127

## **DIPHTHERIA INFECTION**

### **Determining Susceptibility.**

Susceptibility to diphtheria infection differs widely; young children are very susceptible, many adults are immune, though not all. The **SCHICK TEST** enables any physician to determine whether it is, or is not, necessary to administer a prophylactic dose of antidiphtheria serum to persons who have been exposed to infection. It consists in the intracutaneous injection of diluted diphtheria toxin, which causes in susceptible individuals a local reaction, but in insusceptible nothing more than a needle-track erythema. The test is also of assistance in the diagnosis of obscure diphtheria cases in which the membrane is not readily discernible.

Diphtheria Toxin for the Schick Test (P. D. & Co.) is supplied in cases containing sufficient for 10 tests, with full directions, at 8/- per case.

### **Conferring Immunity.**

The immunity conferred by a prophylactic dose of antidiphtheria serum lasts only for a few days or weeks. A means of affording better protection to those who are repeatedly in contact with the disease is available in Parke, Davis & Co.'s **DIPHTHERIA PROPHYLACTIC**, a mixture of diphtheria toxin and antitoxin, three doses of which will confer immunity for a considerable period, possibly for several years. Individuals who have already been exposed to infection must first be given a prophylactic dose of antidiphtheria serum, as that at once confers a degree of immunity, whereas the injection of Diphtheria Prophylactic develops immunity gradually.

Diphtheria Prophylactic (P. D. & Co.) is supplied in sets of three doses, as required for one individual, whether child or adult, at 3/- per set.

Further information will be supplied on request by

**PARKE, DAVIS & Co.,** 50-54, Beak St., **LONDON, W.1.**  
Regent St.,

# **SCHOOL HYGIENE.**

Published under the auspices of

**The Medical Officers of Schools Association.**

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

**ADLARD & SON & WEST NEWMAN, Ltd., 23, Bartholomew Close, London, E.C. 1.**

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

THIRTY-FIFTH YEAR. NOW READY.

Fully Illustrated in Colours and Black and White. Price 10/- net.

---

# THE MEDICAL ANNUAL, 1917.

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

*Being a Review of the World's Progress in Medicine and Surgery,  
arranged in Alphabetical order for Easy Consultation.*

---

### Contributors:

<p>E. WYLLYS ANDREWS, A.M., M.D., Chicago. JOSEPH G. BLOMFIELD, B.A., M.D. FRANCIS D. BOYD, C.M.G., M.D., F.R.C.P. FRANCIS J. CHARTERIS, M.D., B.CH. JOHN D. COMRIE, M.A., M.D., F.R.C.P. LEWIS A. CONNER, Ph.B., M.D., New York. CAREY F. COOMBS, M.D., F.R.C.P. W. H. DOLAMORE, M.R.C.S., L.R.C.P., L.D.S.R.C.S. JOHN S. FRASER, M.B., CH.B., F.R.C.S. W. E. FOTHERGILL, M.A., M.D. DAVID McV. FLECK, M.B., CH.B. HERBERT FRENCH, M.A., M.D., F.R.C.P. EDWARD W. GOODALL, M.D., B.S. C. THURSTAN HOLLAND, M.R.C.S., L.R.C.P.</p>	<p>J. RAMSAY HUNT, M.D., New York. ROBERT HUTCHISON, M.D., F.R.C.P. 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. BEDFORD PIERCE, M.D., F.R.C.P. JOSEPH PRIESTLEY, B.A., M.D., D.P.H. SIR LEONARD ROGERS, Lt.-Col. I.M.S., M.D., F.R.C.S., F.R.C.P., Calcutta. A. HUGH THOMPSON, M.A., M.D. J. W. THOMSON WALKER, F.R.C.S. W. I. DE COURCY WHEELER, B.A., M.D., F.R.C.S. A. GASCOIGNE WILDEY, Dep. Surg.-Gen., R.N. MARGUERITE WILSON, M.B., CH.B., Glasgow.</p>
--	--

---

**T**HIS year's volume aims, like its predecessors, to be a faithful reflex of current Medical and Surgical thought. It is, therefore, of necessity coloured by the consideration of the many new problems which are thrust upon us by the War. These problems will confront the general Practitioner on every hand, and he must be prepared to deal with them.

Hence the current volume has a unique value, in that it furnishes the reader with a careful review of the latest achievements in War Surgery and Medicine, which will be of value now and in the years to come, and which cannot be obtained from any other source.

The civil side of the Practitioner's work has, of course, not been neglected.

The new "Annual" continues to be, as in the past, a digest of the best modern teaching culled by experts from the medical literature of the world.

---

**BRISTOL, ENG.: JOHN WRIGHT & SONS LTD.**

**LONDON: SIMPKIN, MARSHALL, HAMILTON, KENT & CO. LTD.**