



VOL. XXII.—1907.

THE  
JOURNAL OF LARYNGOLOGY

RHINOLOGY, AND OTOLOGY;

AN ANALYTICAL RECORD OF CURRENT LITERATURE

RELATING TO

THE THROAT, NOSE, AND EAR.

---

PUBLISHED MONTHLY.

---

London:  
ADLARD AND SON,  
BARTHOLOMEW CLOSE.

---

ENTERED AT STATIONERS' HALL.



# THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY.

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

## EDITORS :

**JOHN MACINTYRE, M.B., M.Ch., F.R.S.E.**  
**DUNDAS GRANT, M.A., M.D., F.R.C.S.Eng.**  
**ARTHUR SANDFORD, M.D., M.Ch.R.U.I.**  
**W. MILLIGAN, M.D., M.Ch.**

## WITH THE CO-OPERATION OF

**Drs. LAUZUN-BROWN** (*London*), **PRICE-BROWN** (*Toronto*), **CARTAZ** (*Paris*),  
**BRYSON DELAVAN** (*New York*), **DODD** (*Chicago*), **DONELAN** (*London*),  
**CLAYTON FOX** (*London*), **GRAY** (*Glasgow*), **GRAZZI** (*Florence*), **HIGUET** (*Brussels*),  
**MIDDLEMASS HUNT** (*Liverpool*), **HUTCHISON** (*Brighton*), **JOAL** (*Paris*), **KELLY** (*Glasgow*),  
**LACARRET** (*Toulouse*), **LICHTWITZ** (*Bordeaux*), **LIEVEN** (*Aix-la-Chapelle*),  
**DAN MCKENZIE** (*London*), **JOHN N. MACKENZIE** (*Baltimore*), **PROF. MASSEI** (*Naples*),  
**MCCALL** (*Bournemouth*), **MEYJES** (*Amsterdam*), **MYLES** (*New York*),  
**HOLGER MYGIND** (*Copenhagen*), **CHICHELE NOURSE** (*London*), **PORTER** (*St. Louis*),  
**KNOWLES RENSHAW** (*Manchester*), **SACHS** (*Hamburg*), **SAJOUS** (*Philadelphia*),  
**SENDZIAK** (*Warsaw*), **LINDLEY SEWELL** (*Manchester*), **SOTA** (*Seville*),  
**STCLAIR THOMSON** (*London*), **PURVES STEWART** (*London*), **HUNTER TOD** (*London*),  
**WOODS** (*Dublin*), **WYLIE** (*London*), **MACLEOD YEARSLEY** (*London*),  
**AND ZIEM** (*Dantzic*).

## LIST OF PLATES.

	TO FACE PAGE
PLATE. TO ILLUSTRATE A PAPER BY DR. W. G. PORTER ON A FOLD SOMETIMES TO BE FOUND IN FRONT OF THE NASAL POSTERIOR OPENING. . . . .	17
PLATES. TO ILLUSTRATE A PAPER BY DR. J. MACKENZIE BOOTH ON AN AID IN THE TEACHING OF EAR AND THROAT CLASSES . . . . .	95
PLATE. TO ILLUSTRATE MR. BETHAM ROBINSON'S CASE OF PAPILO- MATA OF THE LARYNX . . . . .	172
PLATES. TO ILLUSTRATE DR. JOBSON HORNE'S CASE OF LYMPHO- SARCOMA OF THE MEDIASTINUM . . . . .	218
PLATE. TO ILLUSTRATE DR. JOBSON HORNE'S COMMUNICATION TO THE LARYNGOLOGICAL SOCIETY OF LONDON (January 4, 1907, Vol. xiv, p. 32) . . . . .	245
PLATES. ILLUSTRATING MR. ARTHUR CHEATLE'S COMMUNICATION TO THE OTOLOGICAL SOCIETY OF THE UNITED KINGDOM (May 4, 1907: "Infantile Types of Mastoid") . . . . .	256
PLATES. TO ILLUSTRATE A PAPER BY DR. JOBSON HORNE ON THE CHANNELS OF INFECTION IN TUBERCULOSIS OF THE THROAT, ETC. . . . .	292, 294, 298
PLATE. TO ILLUSTRATE DR. MORITZ'S CASE OF EPITHELIOMA OF THE LARYNX . . . . .	244
PLATES. TO ILLUSTRATE DR. JOBSON HORNE'S CASES OF EPITHELIOMA OF THE LARYNX . . . . .	354
PLATE. TO ILLUSTRATE A PAPER ON DIRECT LARYNGOSCOPY BY DR. ANDREW WYLIE . . . . .	580
PLATES. TO ILLUSTRATE DR. CHEVALIER JACKSON'S PAPER ON DIRECT LARYNGOSCOPY . . . . .	616

## ILLUSTRATIONS IN TEXT.

	PAGE
A DIAGRAM OF THE INTERIOR OF THE LEFT HALF OF A LARYNX TO SHOW THE SITE REFERRED TO AS THE "VULNERABLE" SPOT, WHICH IS INDICATED BY A DOTTED LINE (Dr. Jobson Horne's case of Thoracic Lympho-sarcoma) . . . . .	220
DIAGRAM ILLUSTRATING DRAINAGE OF CEREBRAL ABSCESS . . . . .	244
PROFESSOR SCHRÖTTER'S NEW INSTRUMENT FOR DIRECT EXAMINA- TION OF THE CAVITIES OF THE BODY . . . . .	395
PATERSON'S FORCEPS . . . . .	354
CHEVALIER JACKSON'S DIAGRAMS . . . . .	614, 615

# CONTENTS.

Special Articles—	PAGE
Notes on the Frequency of Marked Hypertrophy of the Pharyngeal Extremities of the Eustachian Tubes, with Analysis of Fourteen Cases.—JAMES DONELAN ... ..	241
Note on an Unusually Large Exostosis of the External Auditory Meatus.—P. McBRIDE ... ..	243
A Device found effective in securing continuous Drainage of Cerebral Abscess.—T. H. PINDER ... ..	244
Cystoma of the Epiglottis (with Plate).—JOBSON HORNE ... ..	245
 <b>Societies' Proceedings—</b>	
LARYNGOLOGICAL SOCIETY OF LONDON. Communications by P. McBRIDE, JOBSON HORNE, H. J. DAVIS, P. R. DE SANTI, WYATT WINGRAVE, A. BRONNER, J. B. BALL, FITZGERALD POWELL, STCLAIR THOMSON, DUNDAS GRANT, LAMBERT LACK, H. TILLEY, WATSON WILLIAMS ... ..	246
 OTOLOGICAL SOCIETY OF THE UNITED KINGDOM—	
The Infantile Types of Mastoid, with Ninety-six Specimens.—ARTHUR H. CHEATLE ... ..	256
Electric Oto-masseur giving 3000 to 18,000 Vibrations per Minute.—R. LAKE ... ..	259
A Case of Extra-dural Abscess; Operation; Recovery.—C. G. LEE ... ..	261
Otitis Media Chronica; Sinus Thrombosis; Excision and Obliteration of Sinus.—C. G. LEE ... ..	262
Chronic Suppurative Otitis Media, Lateral Sinus Thrombosis, Cerebrospinal Meningitis, Pneumonia due to <i>Staphylococcus pyogenes aureus</i> .—C. G. LEE ... ..	265
Notes of a Fatal Case of Acute Left Mastoiditis and Purulent Thrombosis of the Lateral Sinus; Radical Mastoid Operation; Evacuation of Thrombus; Ligation of Internal Jugular.—J. DONELAN ... ..	271
Temporal Bone from a Case of "Fracture of the Base of the Skull." Remarks upon Prognosis so far as the Power of Hearing is concerned after Fracture of the Base.—W. MILLIGAN ... ..	273
 <b>Abstracts—</b>	
PHARYNX.—Acute Œdema of the Pharynx, with Report of a Case requiring Rapid Tracheotomy ... ..	277
NOSE.—On the Origin of the so-called "Lobular Hypertrophy" of the Turbinates ... ..	277
ACCESSORY SINUSES.—Cases of Frontal Sinus Disease ... ..	278
LARYNX.—Preliminary Laryngotomy ... ..	278
EAR.—The Preservation of Hearing.—Remarks on the Radical Operation for the Cure of Chronic Suppuration of the Middle Ear ... ..	279
 <b>Therapeutic Preparations—</b>	
"Elixoid" Formates Compound. BURROUGHS WELLCOME & Co. ... ..	280
Formidine—Triple Glycerophosphates with Nuclein. PARKE, DAVIS & Co. ... ..	280

## GUIDE TO ADVERTISEMENTS.

PAGE	PAGE
British Journal of Children's Diseases ... ..	ix
Central London Throat, Nose, and Ear Hospital ... ..	vii
Chemical Works ... ..	iii
Clinical Journal ... ..	ix
Davidson & Co. ... ..	viii
Down Bros. ... ..	i
Golden Square Throat Hospital ... ..	x
Henry Heil Chemical Co. ... ..	vi
Journal of Laryngology, Rhinology and Otology Notice ... ..	viii
Lambert Pharmacal Co. ... ..	ii
Maw, S., Son and Sons ... ..	ii
Mayer and Meltzer ... ..	xi, xii
Medical Supply Association ... ..	vii
Parke, Davis & Co. ... ..	v
Rogers, Frank A. ... ..	vi

# THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOLOGY.

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

## EDITORS.

**JOHN MACINTYRE, M.B., M.Ch., F.R.S.E.**  
**DUNDAS GRANT, M.A., M.D., F.R.C.S.Eng.**

**ARTHUR SANDFORD, M.D., M.Ch.R.U.I.**  
**W. MILLIGAN, M.D., M.Ch.**

## MANAGING SUB-EDITOR.

**W. JOBSON HORNE, M.A., M.D., B.C.Cantab., M.R.C.P.**

## WITH THE CO-OPERATION OF

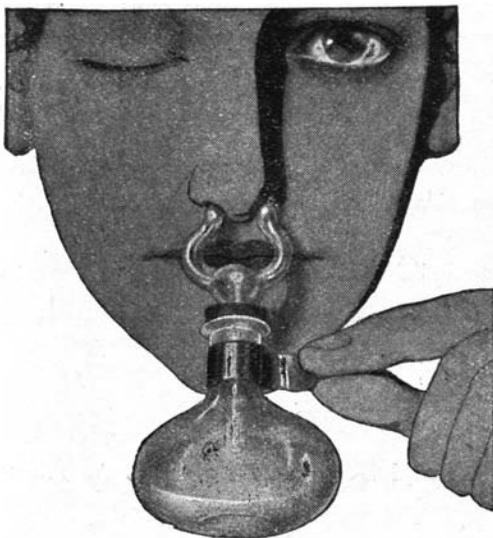
**DRS. PRICE-BROWN (Toronto), CARTAZ (Paris), BRYSON DELAVAN (New York),**  
**DODD (Chicago), DONELAN (London), CLAYTON FOX (London),**  
**GRAY (Glasgow), GRAZZI (Florence), HICGUET (Brussels),**  
**MIDDLEMASS HUNT (Liverpool), HUTCHISON (Brighton), JOAL (Paris), KELLY (Glasgow),**  
**LACOARRET (Toulouse), LICHTWITZ (Bordeaux), LIEVEN (Aix-la-Chapelle),**  
**JOHN N. MACKENZIE (Baltimore), PROF. MASSEI (Naples), MCCALL (Bournemouth),**  
**MEYJES (Amsterdam), MYLES (New York), HOLGER MYGIND (Copenhagen),**  
**CHICHELE NOURSE (London), PORTER (St. Louis), KNOWLES RENSHAW (Manchester),**  
**SACHS (Hamburg), SAJOUS (Philadelphia), SENDZIAK (Warsaw),**  
**LINDLEY SEWELL (Manchester), SOTA (Seville), STCLAIR THOMSON (London),**  
**HUNTER TOD (London), WOODS (Dublin), MACLEOD YEARSLEY (London),**  
**AND ZIEM (Dantzig).**

## CONTRIBUTORS TO THIS NUMBER.

**DR. W. JOBSON HORNE.**  
**DR. DUNDAS GRANT.**

**MR. THOMAS GUTHRIE.**  
**DR. LINDLEY SEWELL.**  
**MR. MACLEOD YEARSLEY.**

**DR. KNOWLES RENSHAW.**  
**MR. H. CLAYTON FOX.**



# FORMAWN

(Chlormethylmenthylether  
 $C_{10}H_{19}OCH_2Cl$ )

Clinically tested and declared by medical men to be an absolutely reliable remedy for Nose Catarrh. Highly recommended in the case of influenza as a preventive and as affording relief. Method of use: as a preventive and for mild attacks—Formawn Nose Wool; in cases of more serious colds: Formawn Tablets for Inhalation through the Formawn Inhaler. Almost infallible when applied in good time.

RETAIL PRICE—{ 7½d. per box of *Formawn Nose Wool* (dainty pocket size);  
2s. per box containing *Formawn Inhaler* and 10 tablets;

Literature and Samples on application.

**THE CHEMICAL WORKS, 59—63, Park Street, London, S.E.**