

# The Journal of Laryngology and Otology

EDITED BY  
WALTER HOWARTH

WITH THE ASSISTANCE OF  
V. E. NEGUS AND F. W. WATKYN-THOMAS

## Contents

- THE TECHNIQUE OF THE USE OF RADIUM IN MALIGNANT  
DISEASE OF THE UPPER AIR AND FOOD PASSAGES . . . . . A. J. WRIGHT
- THE TREATMENT OF OTOSCLEROSIS . . . . . Sir ROBERT WOODS
- QUANTITATIVE TUNING-FORK TESTS IN RELATION TO  
THE RATE OF "DYING-DOWN" . . . . . Sir JAMES DUNDAS-GRANT
- CLINICAL RECORD:—
- LARGE OSTEOMA CAUSING MUCOCELE OF THE FRONTAL  
SINUS AND THE MAXILLARY ANTRUM . . . . . WALTER HOWARTH
- SOCIETIES' PROCEEDINGS:—
- AUSTRIAN OTOLOGICAL SOCIETY  
VIENNA LARYNGO-RHINOLOGICAL SOCIETY
- ABSTRACTS:—
- THE EAR      THE NOSE AND ACCESSORY SINUSES      THE PHARYNX  
THE LARYNX      ENDOSCOPY      MISCELLANEOUS
- OTO-LARYNGOLOGY IN BIRMINGHAM
- OBITUARY—
- DR JONATHAN WRIGHT      MR ARTHUR H. CHEATLE
- LETTERS TO THE EDITOR
- GENERAL NOTES

Edinburgh: Oliver and Boyd  
London: 33 Paternoster Row

Monthly, 4/- net

Annual Subscription, 40/- net

# **AIDS FOR THE DEAF**

---

EVERY PATTERN OF  
ELECTRIC PHONES, NON-ELECTRIC TRUMPETS,  
AURICLES, AND CONVERSATION TUBES  
IN STOCK

## **IMPORTANT NOTICE**

**to the Medical Profession and their Patients**

We are the originators of a 10 DAYS' HOME TRIAL, without obligation to purchase, of any of our Acoustic Aids, and, in our opinion, this is the only satisfactory method of selling such instruments to the public.

**This has been our policy for  
60 years**

We daily hear most distressing tales from deaf people who have been persuaded to purchase expensive aids without a proper home trial.

---

**T. HAWKSLEY, LTD.**

(ESTABLISHED 1869)

**351 OXFORD STREET, LONDON, W.1**

*Telephone: Mayfair 1182*

*Sole Agents for the Marconi Otophone*

Our full range of illustrated lists sent on application

# ORAL HYGIENE

## Odol & Bacteria

Odol by virtue of its unique antiseptic agents may claim to be the most efficient means of ridding the oral cavity of pathogenic bacteria.

**ODOL EXERTS  
MAXIMUM INHIBITORY POWER  
AGAINST BACTERIA  
BUT HAS  
MINIMUM ACTION on BODY TISSUES**

The following table indicates the effect of ODOL in the mouth :—

Rate of development of bacteria in unclean mouth. Index 100 bacteria.

**150** in  $\frac{1}{4}$  hr   **200** in  $\frac{1}{2}$  hr   **3200** in  $2\frac{1}{2}$  hrs   **25600** in 4 hrs



Rate of development of bacteria in mouth cleansed with Liquid Odol. Index—100 bacteria.

**32** in  $\frac{1}{4}$  hr   **40** in  $\frac{1}{2}$  hr   **117** in  $2\frac{1}{2}$  hrs   **188** in 4 hrs

*You will find ODOL Tooth Paste powerfully antiseptic. It is absolutely non-caustic, and whitens the teeth without in any way harming the enamel.*

# Odol

*Samples and Literature will gladly be sent to members of the Profession on application to*

**CRANBUX LIMITED OF NORWICH**

Sole Manufacturers and Distributors of British Odol Products

ALDWYCH

# The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY  
WALTER HOWARTH

ASSISTED BY  
V. E. NEGUS AND F. W. WATKYN-THOMAS

1. Original Articles are accepted on the condition that they have not been published elsewhere.
2. Manuscripts should be typewritten, on one side only of the paper, and well spaced.
3. Galley proofs and engraver's proofs of illustrations are sent to the author. Corrections, which should be kept to a minimum, must be clearly marked and no additional matter should be added.
4. The order for reprints should be sent when returning galley proofs, and for this purpose special forms are supplied, on which the price of the reprints is stated.
5. Authors of Original Communications on Oto-Laryngology in other Journals are invited to send a copy, or two reprints, to the *Journal of Laryngology*. If they are willing, at the same time, to submit their own abstract (in English, French, Italian, or German) it will be welcomed.
6. Editorial Communications should be addressed to "EDITOR, *Journal of Laryngology*, c/o Messrs OLIVER AND BOYD, Tweeddale Court, Edinburgh."
7. The Annual Subscription is Forty Shillings, post free, and is payable in advance.
8. Single copies of back numbers, both of the present and the previous series, are on sale at Four Shillings each.
9. An Annual Subscription can be commenced with any number of the Journal, and the preceding numbers of the current year can be purchased at Four Shillings each.

## UNITED STATES OF AMERICA

Orders for this Journal, for single parts or yearly subscriptions, can be sent either through a local bookseller, or to Messrs G. E. STECHERT & Co., 31-33 East 10th Street, New York.

## .. THE .. SERUM TREATMENT OF **HAY FEVER**

**AUTUMNAL CATARRH, ROSE FEVER, AND SIMILAR COMPLAINTS.**

## **POLLANTIN**

(ANTIDOTE FOR POLLEN TOXINE)  
FOR EXTERNAL USE

(Patented in Germany, England, the United States, &c.)

Prepared under supervision of the discoverer,  
Professor Dr Dunbar, by SCHIMMEL & CO.,  
Miltitz, near Leipzig (Germany).

**LIQUID, POWDER, and also SALVE.**

*Sole Agents for the U.K. and British Colonies (Canada and Australasia excepted):*

**WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD., Wholesale Druggists,**

73, 75, and 89a Shacklewell Lane, LONDON, E. 8.



Seven Sound Reasons  
why DOCTORS prefer

M<sup>R</sup>. H. DENT'S  
**ARDENTE**  
FOR DEAF EARS

for their DEAF patients

1. It is fitted to suit the case.
2. It is simple and true-to-tone.
3. It removes strain, thus relieving head noises.
4. It conveys sounds from varying ranges and angles
5. It leaves hands free.
6. It is suitable for "hard of hearing" or acutely deaf.
7. It is helpful for conversation, music, wireless, home, office, and public work.

**Many DEAF DOCTORS use "ARDENTE"**

"ARDENTE" STETHOSCOPE

Mr R. H. Dent makes a Stethoscope specially for members of the Medical Profession suffering from deafness. Many are in use, and excellent results are reported.

**MEDICAL REPORTS**

*Commended by all leading medical journals.—  
Mr Dent will be happy to send full particulars and reprints on request.*

HOME TESTS ARRANGED FOR DOCTORS AND PATIENTS

Medical prescriptions made up to the minutest detail.

111 PRINCES ST., EDINBURGH

Phone: No. 30413 Edinburgh

206 SAUCHIEHALL ST., GLASGOW

Phone: Douglas 1012

309 Oxford Street, LONDON

59 Northumberland St., NEWCASTLE

37 Jameson Street, HULL

271 High Street, EXETER

9 Duke Street, CARDIFF

51 King St., MANCHESTER

33a Martineau St., BIRMINGHAM

64 Park Street, BRISTOL

**THE GOLDEN SQUARE  
THROAT, NOSE AND EAR HOSPITAL**

LONDON, W. 1

**HONORARY MEDICAL STAFF**

**Surgeons**

Mr T. JEFFERSON FAULDER

Mr LIONEL COLLEDGE

Mr GILBERT CHUBB

Mr THEODORE JUST

Mr BEDFORD RUSSELL

Mr F. C. ORMEROD

**Assistant Surgeons**

Mr DINGLEY

Mr SANDIFORD

Mr HOWELLS

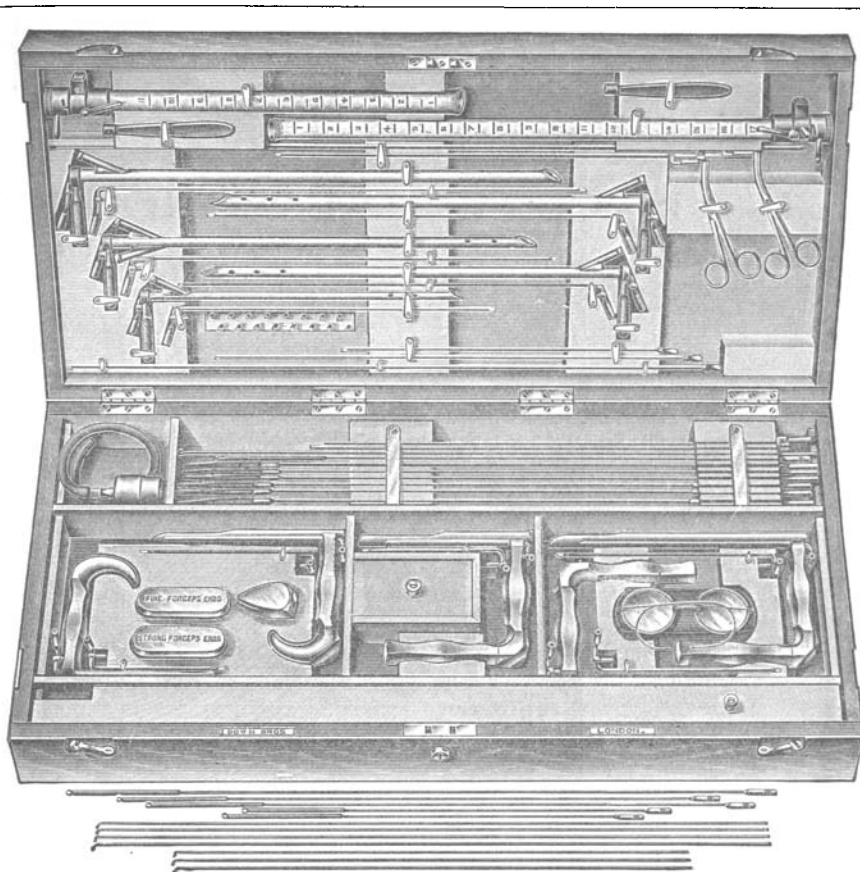
Mr WILSON

The Hospital has recently undergone very extensive reconstruction and extension, and now has 73 beds for In-patients and an annual Out-patient attendance of about 40,000.

**CLINICAL INSTRUCTION**

Clinical Instruction in the Diagnosis and Treatment of Diseases of the Ear, Nose and Throat is daily given in the Out-patient Department from 2 to 5 p.m. On Tuesdays and Fridays from 6.30 to 8 p.m. also. Major operations are performed daily, except Mondays, in the In-patient Operating Theatres. Minor operations are performed in the Out-patient Department by the Assistant Surgeons on four mornings a week.

Practitioners and Medical Students are admitted to the practice of the Hospital, and Clinical Assistants, whose duty it is to assist the staff, are appointed from time to time among them. For further information apply to the Dean, Mr BEDFORD RUSSELL.



### CHEVALIER JACKSON'S INSTRUMENTS FOR ŒSOPHAGOSCOPY, LARYNGOSCOPY, AND BRONCHOSCOPY

New Models as made for Walter G. Howarth, F.R.C.S.

Each Instrument is made in accordance with the details of Chevalier Jackson's most recent models, and each is supplied with a *spare light carrier*, i.e., 2 light carriers and 2 lamps. All the models have been redesigned with a view to rendering them more easily cleansed; all the crevices and corners for the dirt have been taken away.

To ensure better visibility the tips of the forceps are *black*.

The Howarth-Jackson's Instruments are **less expensive** than other American or English models, and a further economy has been effected by rendering the instrument tips interchangeable, thus reducing the number of forceps handles and tips required.

The lamps are 2.5 volt and more durable than the usual models.

*Manufactured only by*

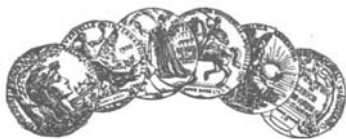
## DOWN BROS., L<sup>TD.</sup>

SURGICAL INSTRUMENT MAKERS

21 and 23 ST THOMAS'S STREET

LONDON, S.E. 1

(Opposite Guy's Hospital)



Telegrams—"DOWN, LONDON."

Telephone—HOP 4400 (4 lines).

*Recently Published. Second Edition (Reprint). Fully Revised and Enlarged. Demy 8vo, 464 pp. 234 Text Illustrations and 12 Plates (of which 8 are in colour). 20s. net, Postage 9d.*

# DISEASES OF THE NOSE, THROAT, AND EAR

**For Practitioners and Students**

Edited by **A. LOGAN TURNER, M.D., LL.D., F.R.C.S.E.**  
*Consulting Surgeon, Ear and Throat Department, Royal Infirmary, Edinburgh*

*With the collaboration of*

**J. S. FRASER, M.B., F.R.C.S.E.**                      **J. D. LITHGOW, M.B., F.R.C.S.E.**  
**W. T. GARDINER, M.C., M.B., F.R.C.S.E.**              **G. EWART MARTIN, M.B., F.R.C.S.E.**  
and **DOUGLAS GUTHRIE, M.D., F.R.C.S.E.**

*"May confidently be recommended for the use of students and practitioners."*—LANCET.  
*"Will prove of the greatest value."*—JOURNAL OF LARYNGOLOGY AND OTOLGY.

**Bristol: John Wright & Sons Ltd. Illustrated Catalogue free London: Simpkin Marshall Ltd.**

## ROGERS' STANDARD SPRAYS

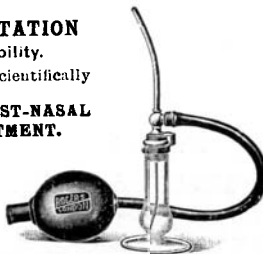
HAVE A  
**WORLD-WIDE REPUTATION**  
For Efficiency & Reliability.

They are made in many forms, scientifically designed for  
**NASAL, PHARYNGEAL, POST-NASAL**  
and **LARYNGEAL TREATMENT.**

*Particulars gladly supplied on request.*

Sole Manufacturer—

**FRANK A. ROGERS** (LATE OF OXFORD ST.).  
1, Beaumont Street, London, W.1.



## CENTRAL LONDON THROAT, NOSE, AND EAR HOSPITAL GRAY'S INN ROAD

(Near King's Cross Stations)

DAILY CLINICS, LECTURES ON FRIDAYS, 4 p.m.  
OVER 11,000 NEW PATIENTS LAST YEAR. 50,000 ATTENDANCES.  
IN-PATIENT DEPARTMENT, 49 BEDS. In-Patient Operations Daily.  
SPECIAL INTENSIVE COURSE OF LECTURES AND DEMONSTRATIONS  
(Including Operative Surgery Course; Peroral Endoscopy Class and  
Pathology Class, especially suitable for D.L.O. Students), in co-operation  
with the Fellowship of Medicine, twice yearly—May and October.  
COURSE IN METHODS OF EXAMINATION & DIAGNOSIS at frequent intervals.

### SURGEONS

Dr ANDREW WYLIE                      Mr NICOL RANKIN  
Dr DAN MCKENZIE                      Mr ARCHER RYLAND  
Mr HAROLD KISCH                      Mr F. W. WATKYN-THOMAS  
Mr C. GILL-CAREY

### ASSISTANT SURGEONS

Mr J. D. MCLAGGAN, Mr W. A. MILL

### CLINICAL ASSISTANTS

Are appointed from among those duly qualified gentlemen who have been enrolled as Post-Graduate Students of the Hospital.

### FEES

For attendance on the practice of the Hospital—  
Three months . . . . . 5 guineas | Six months . . . . . 8 guineas  
Special Intensive Course.—  
Clinical Course, £5, 5s., Operative Surgery, £7, 7s., Endoscopy, £6, 6s.,  
Pathology, £5, 5s.

Further particulars on application to  
**ARCHER RYLAND, F.R.C.S.Ed.,**  
Dean.

**JOHN H. YOUNG,**  
Secretary—Superintendent.

## A SIMPLE AUDIOMETER

*OF INTEREST TO THE AURIST*

JOHN BELL & CROYDEN have just received from The Western Electric Co. of Philadelphia a New Type of Audiometer designed to help the busy Specialist to estimate quickly the patient's degree of error.

The Instrument

Occupies little space,

Is Portable (weight 22½ lbs.),

Will give a correct reading in a few moments.

The Main Feature consists of—

A device for producing a complex tone in the ear of the patient, and a potentiometer for varying the intensity of this tone at the will of the Operator.

We are happy to demonstrate or to send full particulars of the Instrument to any Surgeon interested.

# JOHN BELL & CROYDEN

ACOUSTIC DEPARTMENT:—8 WELBECK STREET, W.1

Telephone:  
LANGHAM 3000  
(10 lines)

Telegrams:  
INSTRUMENTS, WESDO  
LONDON

### INSTRUMENTS AND EQUIPMENT FOR

## Examination of Ear, Nose and Throat, Operation on Tonsils, Adenoids, Mastoid, Nasal Septum

*As supplied to and used in*

EAR, NOSE AND THROAT DEPARTMENT, ROYAL INFIRMARY, EDINBURGH  
THE EDINBURGH EYE, EAR AND THROAT INFIRMARY, ETC., ETC.

**ALSO THE CHEVALIER JACKSON INSTRUMENTS**

ARCHD. YOUNG & SON LTD., 57-61 FORREST RD., EDINBURGH

Surgical Instrument Makers to Royal Infirmary, Edinburgh

Phone: 20669.

Telegrams: "Bandage, Edinburgh," A.B.C. Code, 5th Ed.

### A STAINLESS STEEL TILLEY'S ANTRUM TROCAR AND CANULA

the advantage of which will be readily appreciated



11/6

**A. CHARLES KING, LTD.**

SURGICAL INSTRUMENT MAKERS

34 DEVONSHIRE STREET, LONDON, W.1

Telephone:  
Welbeck 2264



# EMS

NATURAL  
MINERAL WATER

FOR IRRITATION OF THE THROAT AND LARYNX

**EMS**  
**PASTILLES**  
(in Aluminium Tube)

INVALUABLE FOR  
THE PUBLIC  
SPEAKER

Excellent  
for Chronic Bronchitis  
and Catarrh of the  
Respiratory Organs

**EMS**  
**SALT**  
(in Glass Container)

DISSOLVED IN  
HOT MILK

TRADE

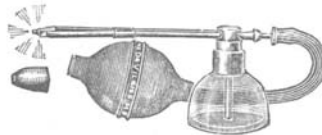


MARK

*Sole Agents:* The Apollinaris Co., Ltd., 4 Stratford Place, London, W.1

## DeVILBISS SPRAY No. 15

FULLY  
GUARANTEED



FOR ALL  
PURPOSES

*For Spraying the Nose and Throat with Oils and Aqueous Solutions*

### Important

The adjustable tip permits spraying in any direction, and is especially important when the bronchial tubes or the post-nasal cavities are to be treated.

When prescribing, please specify

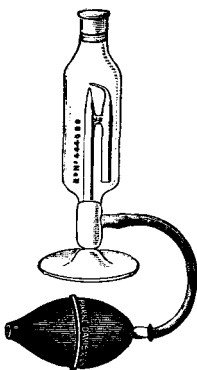
**“DeVilbiss Spray No. 15”**  
*(of all Chemists and Surgical Instrument makers)*

Complete illustrated Catalogue from  
**DeVILBISS, CO., LTD., WEST DRAYTON, MIDDLESEX**

# CONTENTS

	PAGE
THE TECHNIQUE OF THE USE OF RADIUM IN MALIGNANT DISEASE OF THE UPPER AIR AND FOOD PASSAGES. A. J. Wright, F.R.C.S. . . . .	365
THE TREATMENT OF OTOSCLEROSIS. Sir Robert Woods, M.Ch. (Hon. Causa), F.R.C.S.I., Hon. Fellow A.C.S. . . . .	372
QUANTITATIVE TUNING-FORK TESTS IN RELATION TO THE RATE OF "DYING-DOWN." Sir James Dundas-Grant, K.B.E., M.D., F.R.C.S. . . . .	380
<b>CLINICAL RECORD—</b>	
Large Osteoma causing Mucocoele of the Frontal Sinus and the Maxillary Antrum. Walter Howarth . . . . .	390
<b>SOCIETIES' PROCEEDINGS—</b>	
Austrian Otological Society . . . . .	391
Vienna Laryngo-Rhinological Society . . . . .	401
<b>ABSTRACTS—</b>	
The Ear . . . . .	402
The Nose and Accessory Sinuses . . . . .	407
The Pharynx . . . . .	408
The Larynx . . . . .	410
Endoscopy . . . . .	412
Miscellaneous . . . . .	416
OTO-LARYNGOLOGY IN BIRMINGHAM . . . . .	418
<b>OBITUARY—</b>	
Dr Jonathan Wright . . . . .	424
Mr Arthur H. Cheatle . . . . .	424
LETTERS TO THE EDITOR . . . . .	426
GENERAL NOTES . . . . .	427

## The 'Glaseptic' Nebuliser



WITH the exception of the bellows, the 'Glaseptic' Nebuliser is made entirely of glass, and is thus free from all possibility of corrosion. It may readily be cleansed and sterilised by boiling in water. The liquid is easily introduced, without having to take the appliance apart, and only a few drops are needed to obtain a nebula.

The 'Glaseptic' Nebuliser produces an extremely fine spray with almost all fluids—oily, alcoholic or aqueous. With oily fluids localisation of the nebula may be effected by the use of various glass attachments supplied separately. A pocket size is also available.

*Further particulars will be supplied on request.*

Parke, Davis & Co., 50 Beak St., London, W.1.