

# The Journal of Laryngology and Otology

EDITED BY  
WALTER HOWARTH

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

## Contents

SOME MECHANICAL PROBLEMS IN THE MAKING OF COCHLEAR MODELS . . . . .	GEORGE WILKINSON
HIDDEN INFECTION OF THE MAXILLARY ANTRUM . . . . .	JAMES HARPER
ANKYLOSIS OF THE MALLEUS AND INCUS . . . . .	J. A. KEEN
CLINICAL RECORD—	
A CASE OF PRIMARY CARCINOMA OF THE TRACHEA . . . . .	D. F. A. NEILSON
SOCIETIES' PROCEEDINGS:—	
SCOTTISH SOCIETY OF OTOLOGY AND LARYNGOLOGY	
ABSTRACTS:—	
THE EAR	THE NOSE AND ACCESSORY SINUSES
THE LARYNX	THE PHARYNX
THE OESOPHAGUS AND ENDOSCOPY	MISCELLANEOUS
GENERAL NOTES	INDEX

Edinburgh: Oliver and Boyd  
London: 33 Paternoster Row

*Monthly, 4/- net*

*Annual Subscription, 40/- net*



# Stomatitis

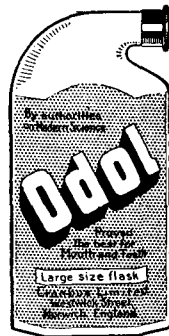
June 6th, 1930.

One case in particular is worthy of mention. He was a young adult who had suffered for years from Stomatitis which resisted all local and general treatment. *With ODOL the ulcers simply melted leaving no scars.*

Signed—M.B., B.Ch.

Odol at a dilution of 4% destroys Bacillus Typhosus and other deadly germs in 30 seconds.

Samples and Literature will gladly be sent to any member of the Medical or Dental professions on application to:  
Cranbux Limited of Norwich.



# Odol

*Always*

**BRITISH MADE THROUGHOUT**



# DEAFNESS!

## The Choice of Medical Men

for their own deafness or to recommend to patients is the "Ardente" method, because it is so entirely different, uncopyable, and carries a written lifelong guarantee and service by its originator—Mr R. H. Dent—not any mere selling agent or company.

It is the most complete method—the commonsense way and the only individual method. Made in a wide range of types—one is suited to the individual needs of the patient, and only when tested and found suitable is the right type completed and supplied. Interest is taken and adjustments made in accordance with any changed condition of hearing of the user.

### "Ardente" is the Choice of

**Prof. SIR AMBROSE FLEMING, Kt., M.A., B.Sc., F.R.S.**, and many leading medical men—professional etiquette makes it necessary for us to withhold their names. "ARDENTE" is shown and appreciated at every B.M.A. meeting, and every improvement is made in direct collaboration after test and consultation with eminent medical men and scientists. No distinguished name used is that of a staff-member—all are of deaf people themselves lending their names and experience for the benefit of fellow-sufferers without personal gain or profit.

All are men of knowledge and world-wide experience, able to judge and have the BEST.

"Ardente" is the choice of every important medical journal and "TRUTH," and for use at Hospitals and supplied through charities, Government Departments (also used by government officials).

Behind "ARDENTE" is a personality—his interest is yours, his success built by the recommendation of his users who chose "Ardente" on its merits—

#### "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 on the latest, as evidenced by the interest shown at the last B.M.A. Meeting.

"Ardente" can be tested Free at any of our Service Bureaux—the most complete in the whole deaf world—or at Doctors' surgeries or patients' homes any day, any time—week-ends and evenings if preferred. Please send for particulars—we will be happy to arrange a free demonstration to you if Deaf yourself or interested on behalf of patients.

Mr Dent is the inventor of "Ardente."  
Mr Dent is the pioneer of individual ear-fitting.  
Mr Dent is the originator of the "Free Home Test."

M<sup>r</sup> R. H. DENT'S

FOR DEAF EARS

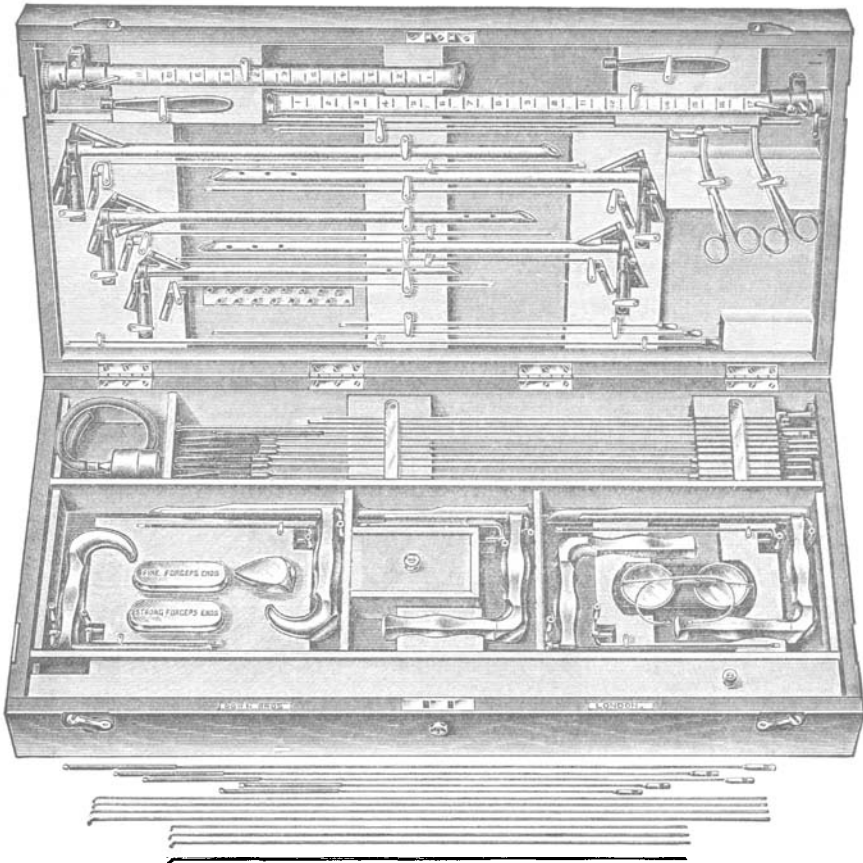
**309 OXFORD STREET, LONDON, W.1**

(between Oxford Circus and Bond Street Tube Station)

'PHONE MAYFAIR 1380/1718

9 Duke Street, CARDIFF  
64 Park Street, BRISTOL  
271 High Street, EXETER  
118 New Street, BIRMINGHAM  
37 Jameson Street, HULL

27 King Street, MANCHESTER  
23 Blackett Street, NEWCASTLE  
206 Sauchiehall Street, GLASGOW  
111 Princes Street, EDINBURGH  
97 Grafton Street, DUBLIN



### 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*

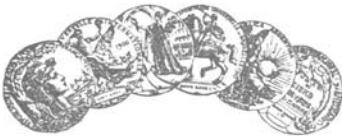
## DOWN BROS., L<sup>TD.</sup>

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).

# Acoustic Accessories

## ANTIPHONES Sound Excluders

These Appliances are much appreciated for the occlusion of sound in cases where a patient is disturbed by traffic and other noises.

### ALL TYPES IN STOCK

Special attention is given to individual fitting.

## EAR MUFFS (Bells)

The John Bell & Croyden Ear Muffs are designed to protect the ear from cold without limiting the hearing.

Price 7/6 per pair.

Black or Flesh finish. Mole-skin lined.

# JOHN BELL & CROYDEN

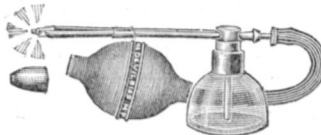
ACOUSTIC DEPARTMENT:—8 WELBECK STREET, W.1

Telephone:  
WELBECK 5555  
(10 lines)

Telegrams:  
INSTRUMENTS, WESDO  
LONDON

# 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**

**THE GOLDEN SQUARE  
THROAT, NOSE AND EAR HOSPITAL**  
(Near Piccadilly Circus)  
LONDON, W. 1

**HONORARY MEDICAL STAFF**

Surgeons

Mr T. JEFFERSON FAULDER	Mr THEODORE JUST
Mr LIONEL COLLEDGE	Mr F. CUNLIFFE ORMEROD
Mr GILBERT CHUBB	Mr A. R. DINGLEY

Assistant Surgeons

Mr SANDIFORD	Mr WILSON
Mr HOWELLS	Mr BEARDS

The Hospital has recently undergone very extensive reconstruction and extension, and now has 101 beds for In-patients and an annual Out-patient attendance of about 60,000.

**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 Saturdays, in the In-patient Operating Theatres. Minor operations are performed in the Out-patient Department by the Assistant Surgeons on three 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 F. CUNLIFFE ORMEROD.

**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.

*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 OTOTOLOGY.

---

**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 YEARLY. 50,000 ATTENDANCES.  
 IN-PATIENT DEPARTMENT, 76 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**

Mr HAROLD KISCH	Mr F. W. WATKYN-THOMAS
Mr NICOL RANKIN	Mr C. GILL-CAREY
Mr ARCHER RYLAND	Mr J. D. MCLAGGAN

**ASSISTANT SURGEONS**

Mr W. A. MILL, Mr A. LOWNDES YATES, Mr N. ASHERSEN

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



## CONTENTS

	PAGE
SOME MECHANICAL PROBLEMS IN THE MAKING OF COCHLEAR MODELS. George Wilkinson, Sheffield . . . . .	833
HIDDEN INFECTION OF THE MAXILLARY ANTRUM. James Harper, Glasgow	841
ANKYLOSIS OF THE MALLEUS AND INCUS. J. A. Keen, Leicester . . . . .	848
CLINICAL RECORD—	
A Case of Primary Carcinoma of the Trachea. D. F. A. Neilson, London	855
SOCIETIES' PROCEEDINGS—	
Scottish Society of Otology and Laryngology . . . . .	859
ABSTRACTS—	
The Ear . . . . .	886
The Nose and Accessory Sinuses . . . . .	894
The Larynx . . . . .	896
The Pharynx . . . . .	897
The Oesophagus and Endoscopy . . . . .	899
Miscellaneous . . . . .	901
GENERAL NOTES . . . . .	904
INDEX . . . . .	905

# AIDS FOR THE DEAF

Otologists are invited to send their patients to test, *without obligation*, the

## “HEAR-ALL”

(ENTIRELY BRITISH)

a light 2-valve earphone giving **true, perfect and powerful** voice reproduction. Suitable for all degrees of deafness. Inexpensive to maintain.

**The only Instrument that is Guaranteed for 12 months**

### IMPORTANT NOTICE

We are the originators of an *independent* 10 days' free home trial, without obligation to purchase, of any of our Acoustic Aids. We daily hear most distressing tales from deaf people who have been coerced into purchasing expensive aids without a proper home trial.

**We also stock all patterns of Electric Ear Phones.**

ESTAB.  
1869

## T. HAWKSLEY, LTD.

TELEPHONE:  
MAYFAIR 1182

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

*Our full range of illustrated lists sent on application*