

# The Journal of Laryngology and Otology

EDITED BY  
WALTER HOWARTH

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

## Contents

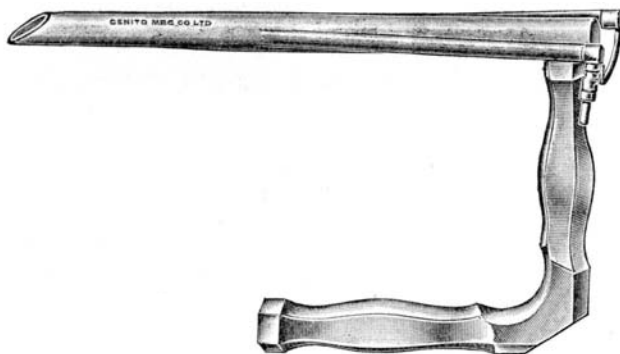
FRONTAL SINUSITIS: A STATISTICAL INVESTIGATION . . . . .	{ J. S. FRASER J. P. STEWART
THE TREATMENT OF FRONTAL SINUSITIS BY INTUBA- TION: AN ANALYSIS OF SIXTY-THREE CASES . . . . .	{ DOUGLAS HARMER BEDFORD RUSSELL
THE TREATMENT OF CHRONIC FRONTAL SINUSITIS . . . . .	WALTER HOWARTH
CLINICAL RECORD—	
AN ADVANCED CASE OF NASOPHARYNGEAL FIBROMA TREATED BY DIATHERMY COAGULATION AND X-RAYS . . . . .	H. V. FORSTER
SOCIETIES' PROCEEDINGS:—	
ROYAL SOCIETY OF MEDICINE—SECTION OF LARYNGOLOGY	
ABSTRACTS:—	
THE EAR	THE NOSE AND ACCESSORY SINUSES
THE LARYNX	THE TONSIL AND PHARYNX
THE OESOPHAGUS	
GENERAL NOTES	

Edinburgh: Oliver and Boyd  
London: 33 Paternoster Row

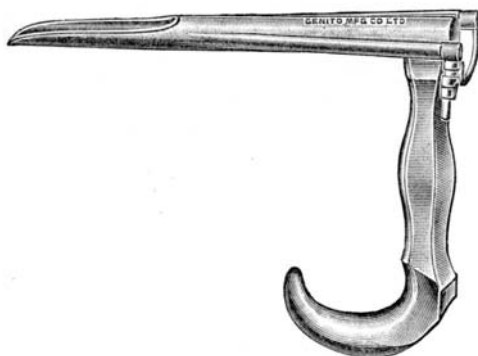
*Monthly, 4/- net*

*Annual Subscription, 40/- net*





PATENT PENDING



PATENT PENDING

**Instruments for Bronchoscopy, Laryngoscopy, and  
Oesophagoscopy**

**Laryngoscopes and Pharyngoscopes with Proximal Lighting  
as designed for V. E. Negus, M.S., F.R.C.S.**

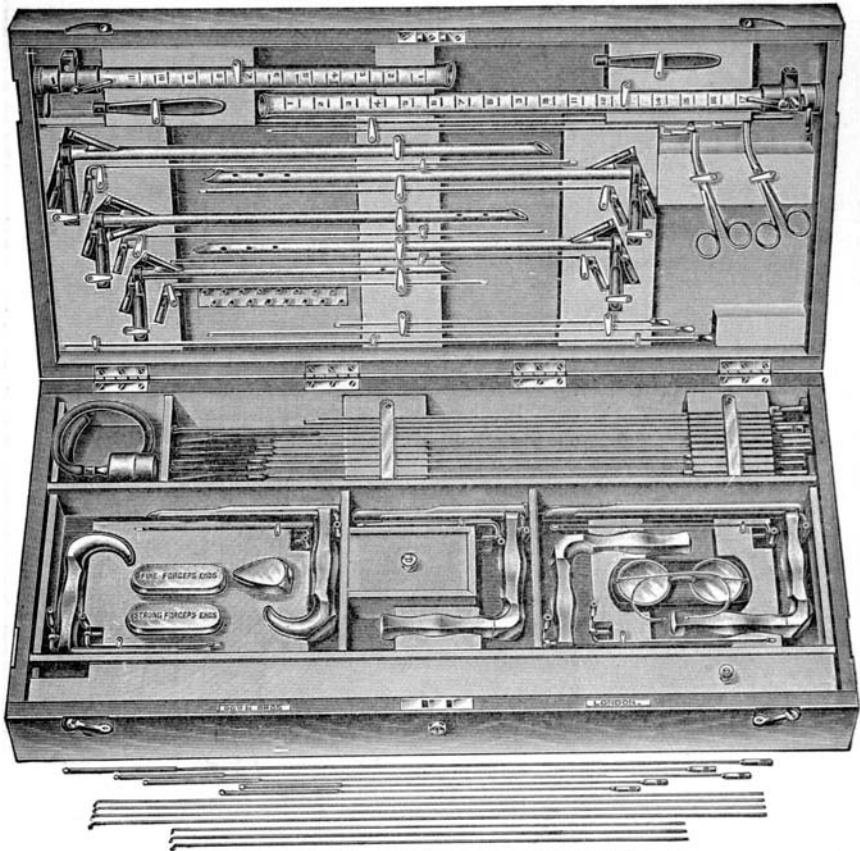
*by*

**THE GENITO URINARY MFG. CO., LTD.**

**28a DEVONSHIRE STREET, LONDON, W.1**

Telephone :  
Welbeck 3520, 3529

Telegrams :  
"Cystoscope, Wesdo, London."



### 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.



Telegrams—"DOWN, LONDON."

Telephone—HOP 4400 (4 lines).

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)

# 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" 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.

#### "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.

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."



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

(between Oxford Circus and Bond Street Tube Station)

'PHONE MAYFAIR 1380/1718

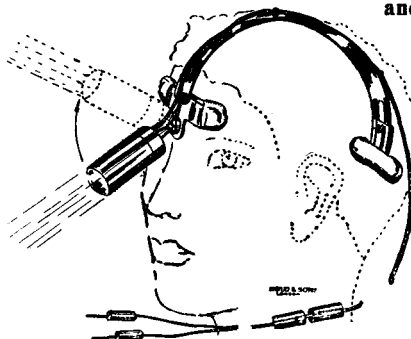
9 Duke Street, CARDIFF  
64 Park Street, BRISTOL  
271 High Street, EXETER  
118 New Street, BIRMINGHAM  
37 Jameson Street, HULL

27 King Street, MANCHESTER  
23 Blakett Street, NEWCASTLE  
206 Sauchiehall Street, GLASGOW  
111 Princes Street, EDINBURGH  
97 Grafton Street, DUBLIN  
30 Wellington Place, BELFAST

**The ARNOLD  
"CLEARLITE"  
FOREHEAD LAMP**

giving that perfect illumination which is essential to the Surgeon in all his work.

**Easily Focussed**



For the Ear, Nose  
and Throat  
Surgeon

*Light, Comfortable and Adjustable to any Size Head*

Price complete as Illustrated £2 10 0

Telephone:  
WELBECK 5555  
(12 lines)

**ARNOLD & SONS**

Telegrams:  
INSTRUMENTS, WESDO  
LONDON

**50/52 WIGMORE STREET, LONDON, W.1**

**WANTED TO PURCHASE**

**JOURNAL OF LARYNGOLOGY  
RHINOLOGY AND OTOLOGY**

COMPLETE SETS OR ODD VOLUMES

— OFFERS TO —

**HENRY KIMPTON, 263 High Holborn, London, W.C. 1**

**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, 6th Ed.

*Second Edition (Reprint). Fully Revised and Enlarged.*  
*Demy 8vo, 464 pp. 284 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*

<b>J. S. FRASER, M.B., F.R.C.S.E.</b> <b>W. T. GARDINER, M.C., M.B., F.R.C.S.E.</b> and <b>DOUGLAS GUTHRIE, M.D., F.R.C.S.E.</b>	<b>J. D. LITHGOW, M.B., F.R.C.S.E.</b> <b>G. EWART MARTIN, M.B., F.R.C.S.E.</b>
--	--

*"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.**

## 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**

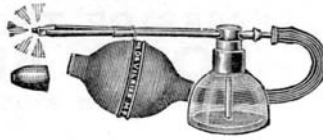
For attendance on the practice of the Hospital—  
 Three months . . . . 5 guineas | Six months . . . . 8 guineas  
 Special Intensive Course.—  
 Clinical Course, £5, 5s., Operative Surgery, £7, 7s., Endoscopy, £6, 6s.,  
 Pathology, £5, 5s.

*Further particulars on application to*

<b>ARCHER RYLAND, F.R.C.S.Ed.,</b> <i>Dean.</i>	<b>JOHN H. YOUNG,</b> <i>Secretary—Superintendent.</i>
--	---

# 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 the Sole Distributors in the United Kingdom  
**THE AEROGRAPH CO., LTD., 43 Holborn Viaduct, London, E.C1.**

## THE GOLDEN SQUARE THROAT, NOSE AND EAR HOSPITAL

Near Piccadilly Circus

LONDON, W. 1

### HONORARY MEDICAL STAFF

#### Surgeons

Mr T. JEFFERSON FAULDER

Mr LIONEL COLLEDGE

Mr GILBERT CHUBB

Mr THEODORE JUST

Mr F. CUNLIFFE ORMEROD

Mr A. R. DINGLEY

#### Assistant Surgeons

Mr C. R. SANDIFORD

Mr G. H. HOWELLS

Mr S. A. 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 70,000.

### CLINICAL INSTRUCTION

Clinical Instruction in the Diagnosis and Treatment of Diseases of the Throat, Nose and Ear is given daily in the Out-patient Department from 2 to 5 p.m., and on Tuesdays and Fridays from 6.30 to 8 p.m. 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.



# 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.

# CONTENTS

	PAGE
FRONTAL SINUSITIS: A STATISTICAL INVESTIGATION. J. S. Fraser and J. P. Stewart, Edinburgh . . . . .	369
THE TREATMENT OF FRONTAL SINUSITIS BY INTUBATION: AN ANALYSIS OF SIXTY-THREE CASES. Douglas Harmer and Bedford Russell, London .	384
THE TREATMENT OF CHRONIC FRONTAL SINUSITIS. Walter Howarth, London	397
CLINICAL RECORD—	
An Advanced Case of Nasopharyngeal Fibroma Treated by Diathermy Coagulation and X-rays. H. V. Forster, Liverpool . . . . .	402
SOCIETIES' PROCEEDINGS—	
Royal Society of Medicine—Section of Laryngology . . . . .	405
ABSTRACTS—	
The Ear . . . . .	433
The Nose and Accessory Sinuses . . . . .	437
The Larynx . . . . .	442
The Tonsil and Pharynx . . . . .	444
The Œsophagus . . . . .	445
GENERAL NOTES . . . . .	448