

# The Journal of Laryngology and Otology

EDITED BY  
WALTER HOWARTH

WITH THE ASSISTANCE OF  
G. H. BATEMAN    R. G. MACBETH    V. E. NEGUS  
R. SCOTT STEVENSON    J. F. SIMPSON

## Contents

OTOGENIC INTRACRANIAL HYPERTENSION . . . . .	S. HOROWITZ
ON THE TECHNIQUE OF THE FENESTRATION OPERATION . . . . .	I. SIMSON HALL
THE FENESTRATION OPERATION: EARLY EXPERIENCE . . . . .	R. B. LUMSDEN
ON THE NATURE OF A DUAL FUNCTION IN THE COCHLEAR NERVE . . . . .	F. KOBRAK
CLINICAL RECORDS—	
A CASE OF ACUTE LARYNGO-TRACHEO-BRONCHITIS . . . . .	I. S. THOMPSON
HÆMANGIOMA OF THE TRACHEA IN AN INFANT. SUCCESSFUL REMOVAL . . . . .	H. S. SHARP
ABSTRACTS—	
THE NOSE	THE LARYNX
THE EAR	THE BRONCHUS
THE LABYRINTH	MISCELLANEOUS
LETTER TO THE EDITOR	
REVIEWS	
GENERAL NOTES	

London  
**Headley Brothers**  
109 Kingsway, W.C.2

*Monthly, 4/- net post free*

*Annual Subscriptions 40/- net*

# The Journal of Laryngology and Otology

(Founded in 1887 by MORELL MACKENZIE and NORRIS WOLFENDEN)

EDITED BY

WALTER HOWARTH

WITH THE ASSISTANCE OF

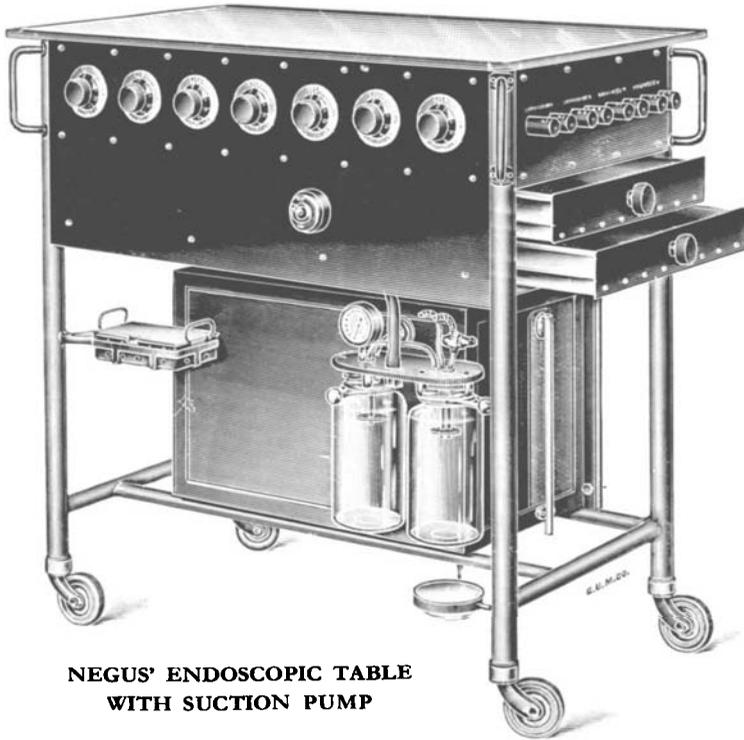
G. H. BATEMAN      R. G. MACBETH      V. E. NEGUS  
R. SCOTT STEVENSON      J. F. SIMPSON

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 added.
4. Blocks illustrating articles are normally paid for by the *Journal*. Authors may, however, be required at the Editor's discretion, to contribute towards the cost of these in cases where this is particularly heavy.
5. Orders for reprints should be sent when returning galley proofs, and for this purpose special forms are supplied.
6. 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.
7. Editorial communications may be addressed to THE EDITOR, *Journal of Laryngology*, c/o HEADLEY BROTHERS, 109 Kingsway, London, W.C.2.
8. The annual subscription commencing with the January, 1950 issue is three guineas sterling, post free, and is payable in advance.
9. Single copies will be on sale at 7s. 6d. each; copies of parts up to Vol. LXIII may be purchased at 4s. each.
10. All subscriptions, advertising and business communications should be sent to the publishers, HEADLEY BROTHERS, 109 Kingsway, London, W.C.2.

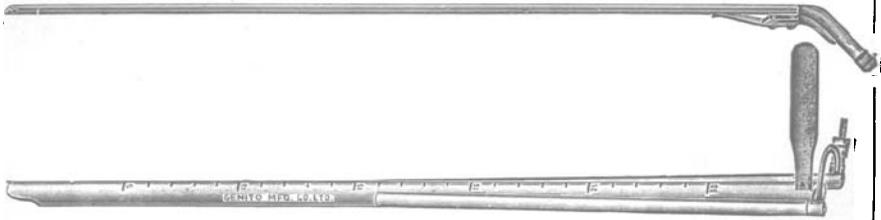
#### *United States of America*

Orders for this *Journal* may be sent either through a local bookseller, or to Messrs. G. E. STECHERT & Co., 31-33 East 10th Street, New York, or they may be sent direct to the publishers, HEADLEY BROTHERS, 109 Kingsway, London, W.C.2, England.

Please mention *The Journal of Laryngology* when replying to advertisements



**NEGUS' ENDOSCOPIC TABLE  
WITH SUCTION PUMP**



**Cesophagoscope with detachable Suction Tube and Proximal  
Lighting as designed for V. E. NEGUS, M.S., F.R.C.S.  
Obtainable in 4 sizes**

MADE BY

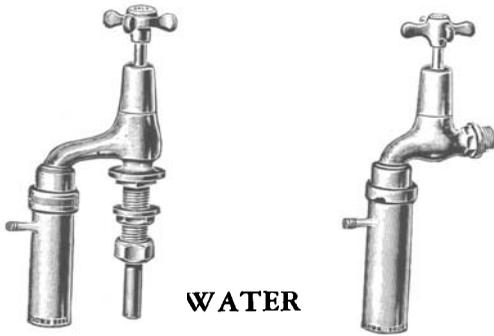
**THE G<sub>ENITO</sub>. U<sub>RINARY</sub> MFG. Co. LTD.**

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

Telephone:  
WELBECK 2835 (3 lines)

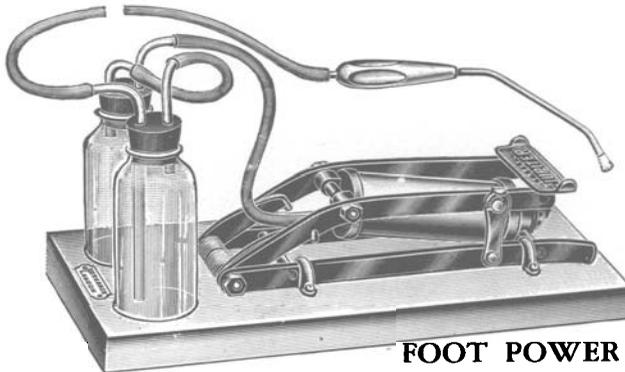
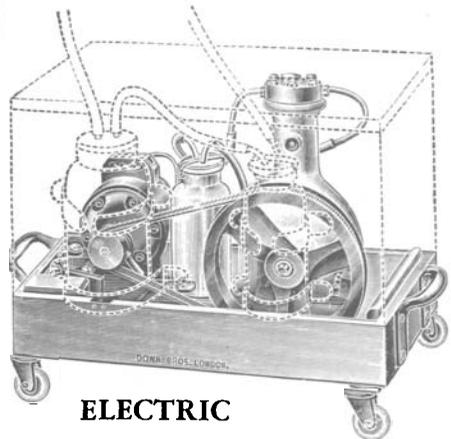
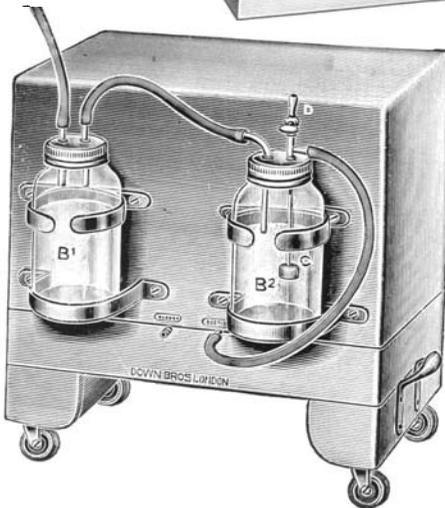
Telegrams:  
CYSTOSCOPE, WESDO, LONDON

Please mention *The Journal of Laryngology* when replying to advertisements

**WATER**

# SUCTION APPARATUS

Particulars on application

**FOOT POWER****ELECTRIC**

## DOWN BROS. & MAYER & PHELPS Ltd.

Correspondence: 23 PARK HILL RISE, CROYDON

Telephone: Croydon 6133, 6134, 6135

Showrooms: 32/34 NEW CAVENDISH STREET, LONDON, W.1

Telephone: WELBECK 3764

DOWN BROS. AND MAYER & PHELPS HAVE AMALGAMATED.  
THE PERSONAL MANagements REMAIN AS HERETOFORE.

Please mention *The Journal of Laryngology* when replying to advertisements

**PRESCRIBE THE EASY EFFECTIVE METHOD**

When spraying, the patient can hold his head in a natural position, yet the solution spreads throughout the nasal cavity, assuring thorough treatment. Effective dropper-application, on the other hand, requires a complicated posture technique which patients are apt to neglect in home treatment.



**DeVilbiss**  
**ATOMIZERS**



These illustrations, which are based on X-ray research, clearly demonstrate the advantages of the atomizer as compared with the dropper.  
The **AEROGRAPH Co., Ltd., Lower Sydenham, London, S.E.26**  
Sole Distributors of DeVilbiss Products in the United Kingdom.  
Telephones: Sydenham: 6060—8 Lines.

CVS—225

**FOR ORAL MEDICATION**

**KERFOOTS**  
**Proflavine**  
**LOZENGES**

enable the affected tissues to be bathed in a naturally buffered antiseptic solution.

Each contains  
Proflavine Sulphate 3 mg.  
In bottles of 36 and 500

**KERFOOTS**  
**Sulphanilamide**  
**LOZENGES**

are of special value in throat affections due to local streptococcal infection.

Each contains  
Sulphanilamide gr. 1  
In bottles of 50 and 500

Professional samples on request.

**Thomas Kerfoot & Co. Ltd., Vale of Bardsley, Lancashire**

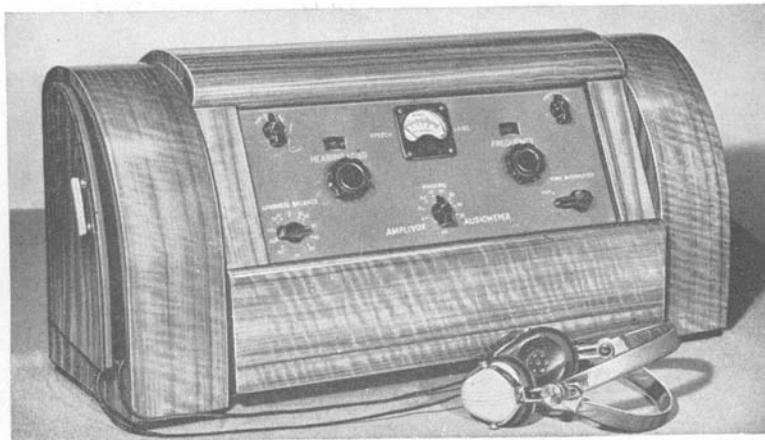
K17

Please mention *The Journal of Laryngology* when replying to advertisements

---

## THE AMPLIVOX AUDIOMETER

---



### *The Basic Instrument of Modern Otology*

#### **NEW TESTS NOW POSSIBLE**

Speech-loss measurement in decibels now obtainable through dynamic microphone and speech input meter.

Loudness balance control gives measurement of the recruitment factor.

Input for group-test equipment and gramophone.

#### **CONSISTENT ACCURACY OF RESULTS**

Eleven exact test frequencies 125-12,000 c.p.s.

Voltage compensation ensures that signal intensity does not vary should mains voltage do so.

#### **CALIBRATED MASKING TONE**

Masking intensity varies equally with normal hearing acuity over range 125-4,000 c.p.s., permitting accurate masking control. Calibrated in decibels.

#### **SIMPLICITY OF OPERATION**

Twin matched headphones (on double headband) for all air conduction tests; bone conductor on single headband, or interchangeable with one 'phone.

Hearing Loss dial calibrated in 5 dB steps from minus 10 dB to plus 100 dB.

Same figures on dial are read for air and bone conduction, and for all frequencies.

*Full details are available from the manufacturer, who will gladly arrange demonstrations, if required.*

---

**AMPLIVOX LTD., 2 BENTINCK ST., LONDON, W.1. (Welbeck 2591)**

---

Please mention *The Journal of Laryngology* when replying to advertisements

University of London  
British Post-Graduate Medical Federation

**THE INSTITUTE OF  
LARYNGOLOGY & OTOTOLOGY**

330/332 GRAY'S INN ROAD  
LONDON, W.C.1

THE NEXT

**COMPREHENSIVE COURSE**

covering the whole field of the Speciality  
(including the basic sciences upon which it  
is founded) suitable for students preparing  
for the D.L.O. (R.C.P. & S.)

will be held from 4th July to 2nd December, 1949.

---

THE NEXT

**ADVANCED REVISION COURSE**

which is especially suitable for students  
preparing for the M.S. Degree of the Univer-  
sity of London and the Fellowship of the Royal  
Colleges of Surgeons of England and Edinburgh  
in Otolaryngology

will be held from 15th August to 14th October, 1949.

---

The detailed Syllabus for both these Courses is in process  
of preparation, but preliminary enquiries may be made  
to the Dean.

Please mention *The Journal of Laryngology* when replying to advertisements

# CONTENTS

	PAGE
OTOGENIC INTRACRANIAL HYPERTENSION. S. Horowitz (Glasgow)	363
ON THE TECHNIQUE OF THE FENESTRATION OPERATION. I. Simson Hall (Edinburgh)	382
THE FENESTRATION OPERATION: EARLY EXPERIENCE. R. B. Lumsden (Edinburgh)	390
ON THE NATURE OF A DUAL FUNCTION IN THE COCHLEAR NERVE. F. Kobrak (London)	395
CLINICAL RECORDS—	
A Case of Acute Laryngo-Tracheo-Bronchitis. I. S. Thomson (Aberdeen)	411
Hæmangioma of the Trachea in an Infant. Successful Removal. H. S. Sharp	413
ABSTRACTS—	
Nose	415
The Pathogenesis of Atrophic Rhinitis from the Standpoint of the Pneumatization Question. L. Pesti; pH of Nasal Secretion <i>in situ</i> in Infants and in Children. Noah D. Fabricant, M.D. and M. A. Perlstein, M.D.; Our Experiences with Beck's Puncture (Frontal Sinus). H. Bräuner.	
Ear	416
Lempert Endaural Sub-Cortical Mastoido-Tympanectomy for the Cure of Chronic Persistent Suppurative Otitis Media. Julius Lempert; Ménière's Symptom Complex. Grant Selfridge; Effect of Pregnancy on Otosclerosis. Hal Waugh Smith, M.D.; The Microtic Ear. Edgar M. Holmes; Otosclerosis Associated with Osteoporosis and Labyrinthitis Chronica Ossificans. Hans Brunner; Ménière's Syndrome. Miles Atkinson; Surgery of the Chronically Discharging Ear. Howard P. House; Round Window Membrane of the Cochlea. H. G. Kobrak; The Middle Ear in Sound Conduction. Ernest Glen Wever, Merle Lawrence and Kendon R. Smith; Herpes Zoster Oticus (" Ramsay Hunt Syn- drome "). Leighton Johnson, M.D. and Bernard Zonderman, M.D.; Auditory Nerve in Multiple Sclerosis. Hans Van Leden and Bayard T. Horton; Electro- coagulation of the Membranous Labyrinth. Le Roy A. Schall and J. H. Tom Rambo; The Development of the Auditory Ossicles, the Otic Capsule and the Extracapsular Tissues. Barry J. Anson, Theodore H. Bast and Earl W. Caudwell; Treatment of Certain Types of Deafness by Roentgen Ray Therapy. Nelson A. Youngs and Philip H. Woutat.	
Labyrinth	420
Streptomycin Toxicity to the Labyrinth. Lt.-Col. O.P. Moffit.	
Larynx	421
The " Reverse King Operation ". Lewis F. Morrison; An Anatomical Reason for the Various Behaviours of Paralyzed Vocal Cords. Brien T. King and Ralph L. Gregg; Granuloma of Larynx following Endotracheal Anæsthesia. Frederick T. Hill; Observations Based on an Experience of twenty-eight years with Laryngeal Tuberculosis. Edward Anderson Looper; The Open Approach to Arytenoidectomy for Bilateral Abductor Paralysis, with a Report of Twenty-Three Cases. De Graaf Woodman	
Bronchus	425
Adenoma of the Bronchus. Louis H. Clerf; Bronchoscopy in the Newborn. Clyde A. Heatly and Ernest B. Emerson; Syphilitic " Tumour " of the Right Bronchus. A. R. Judd.	
Miscellaneous	427
Induction of Anæsthesia with Thiopental Sodium in Tonsillectomy. J. K. M. Dickie; Fractures of the Hyoid Bone. Edwin G. Olmstead; Abscess of the Frontal Lobe Secondary to Ethmoiditis. Joseph H. Kler; Hand-Schüller- Christian Disease and Eosinophilic Granuloma of the Skull. Harold F. Schuknecht and Henry B. Perlman; The Repair of Large Defects of the Trachea. W. P. Longmire; Tracheal and Bronchial Obstruction due to Congenital Cardiovascular Anomalies. Paul H. Holinger, Kenneth C. Johnson and Albert R. Zoss; Complications following Irradiation of the Thyroid Gland. R. M. Lukens; On the Manufacture and Usefulness of Dry Cerebrospinal Fluid Microscope Preparations. F. Neuberger; On the Symptomatology of Frontal Lobe Abscess. E. H. Majer.	
LETTER TO THE EDITOR	430
REVIEWS	431
GENERAL NOTES	432