

The Journal of Laryngology and Otology

EDITED BY
WALTER HOWARTH

WITH THE ASSISTANCE OF
W. M. MOLLISON

Contents

THE PHYLOGENY OF THE MAMMALIAN TYMPANIC CAVITY AND AUDITORY OSSICLES . . .	JOHN GERRIE
AURAL TRAUMA CAUSED BY GUNFIRE . . .	E. G. COLLINS
CLINICAL RECORD—	
A CASE OF OTITIC HYDROCEPHALUS . . .	WILLIAM MCKENZIE
CLINICAL NOTES—	
SOUND CONDUCTION THROUGH THE STERNO- MASTOID MUSCLE IN MIDDLE-EAR AND NERVE DEAFNESS	DENYS E. HOWELLS
EXTENSIVE LUMBAR PUNCTURE AS A TEST OF DIFFERENTIATION BETWEEN REVERSIBILITY AND IRREVERSIBILITY BY LABYRINTHINE FENESTRATION OF OTOSCLEROTIC DEAFNESS	F. KOBRAK
SOCIETIES' PROCEEDINGS—	
ROYAL SOCIETY OF MEDICINE—COMBINED SUMMER MEETING HELD IN BRIGHTON	
THE SCOTTISH OTOLOGICAL AND LARYNGOLOGICAL SOCIETY	

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

ASSISTED BY

W. M. MOLLISON

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. Orders 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 may be addressed to THE EDITOR, *Journal of Laryngology*, c/o HEADLEY BROTHERS, 109 Kingsway, London, W.C.2.
7. The Annual Subscription commencing with the January issue is Two Pounds sterling, post free, and is payable in advance.
8. Single copies, both of the present and the previous series, are on sale at Four Shillings each.
9. 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 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

CHRONALGICIN

(*Benger*)

EAR DROPS
for

CHRONIC SUPPURATIVE OTITIS MEDIA



Relieves Congestion

Removes Debris

Controls Infection

Promotes Drainage

Destroys Odour

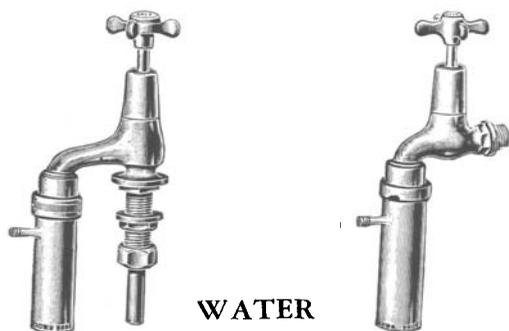
Eliminates Discharge

Combines Urea, Ephedrine, Silver Proteinatc, Phenyl Mercuric Nitrate for effective action.

In acute otitis media
"AURALGICIN" (*Benger*)
is indicated.

Further information can be obtained from our Medical Department:
BENGER'S LIMITED, HOLMES CHAPEL, CHESHIRE

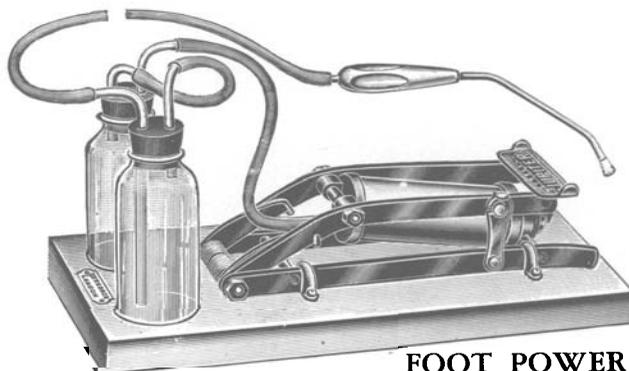
Please mention *The Journal of Laryngology* when replying to advertisements



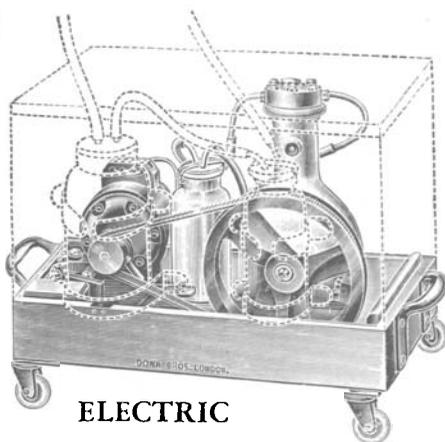
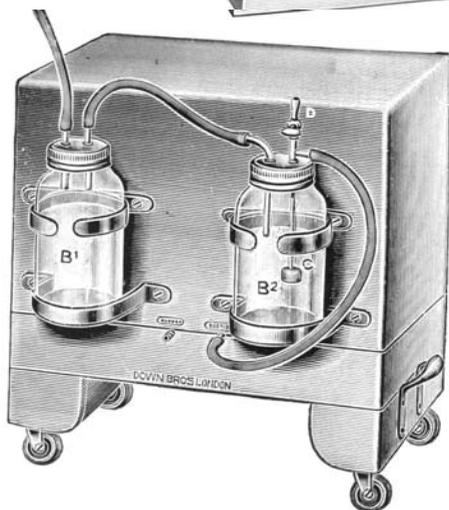
WATER

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

Mail Your Order Now!

PROBLEMS OF THE DEAF

By **MAX A. GOLDSTEIN, M.D., F.A.C.S.**

610 Pages—273 Illustrations—Leather Bound

\$6.00 Postage prepaid

An unusual, authoritative and comprehensive volume of XIX chapters, covering every phase of work with the Deaf, Deafened and Speech Defective, by an otologist and teacher of 40 years' experience, including:

Chronological History of Deafness—Anatomy and Physiology—Mechanics of Speech—Speech Defects—Cerebral Localization—Hearing Tests—Methods of Instruction—The Acoustic Method—Training of Teachers—The Deaf Child—Hard-of-Hearing Child—Physician and Deaf Child—Parent of Deaf Child—Deafened Adult—Hearing Aids—Schools for the Deaf—Quacks and Quackeries—Research.

Published by **THE LARYNGOSCOPE PRESS**

640 South Kingshighway

ST. LOUIS, MO.

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

CONTENTS

	PAGE
THE PHYLOGENY OF THE MAMMALIAN TYMPANIC CAVITY AND AUDITORY OSSICLES. John Gerrie (Aberdeen) ✓	339
AURAL TRAUMA CAUSED BY GUNFIRE. E. G. COLLINS (Major, R.A.M.C.) ✓	358
CLINICAL RECORD—	
A Case of Otitic Hydrocephalus. William McKenzie (London) ✓	391
CLINICAL NOTES—	
Sound Conduction through the Sternomastoid Muscle in Middle-Ear and Nerve Deafness. Denys E. Howells (London) ✓	394
Extensive Lumbar Puncture as a Test of Differentiation between Reversibility and Irreversibility by Labyrinthine Fenestration of Otosclerotic Deafness. F. Kobrak (London) ✓	395
SOCIETIES' PROCEEDINGS—	
Royal Society of Medicine—Combined Summer Meeting held in Brighton	396
The Scottish Otological and Laryngological Society	419

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