

January 1930

Vol. XLV., No. 1

The Journal of Laryngology and Otology

EDITED BY
WALTER HOWARTH

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

Contents

FOREWORD	EDITOR
SOME OBSERVATIONS ON BONE CONDUCTION	C. S. HALLPIKE
NOTES ON THE TAKING OF CULTIVATIONS IN DISEASE OF THE MASTOID BONE	T. B. LAYTON
SOCIETIES' PROCEEDINGS:—	
ROYAL SOCIETY OF MEDICINE—SECTION OF OTOLGY	
ABSTRACTS:—	
THE EAR	THE NOSE AND ACCESSORY SINUSES
THE LARYNX	THE PHARYNX
ŒSOPHAGUS ENDOSCOPY	MISCELLANEOUS
REVIEW OF BOOK	
GENERAL NOTES	

Edinburgh: Oliver and Boyd
London: 33 Paternoster Row

Monthly, 4/- net

Annual Subscription, 40/- net

AIDS FOR THE DEAF

HAWKSLEY'S AURICLES

The best non-electric aid for slight and moderate degrees of deafness and specially suitable when the patient is suffering from Tinnitus.

For Extreme Cases—

HAWKSLEY'S "GREEN STRIPE" CONVERSATION TUBES

are very much more powerful and reliable than any electrical aid.

IMPORTANT NOTICE

to the Medical Profession and their Patients

We are the originators of a

10 DAYS' FREE HOME TRIAL,

without obligation to purchase, of any of our Acoustic Aids, and, in our opinion, this is the only fair and satisfactory method of selling such instruments to the public. We daily hear most distressing tales from deaf people who have been coerced into purchasing 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



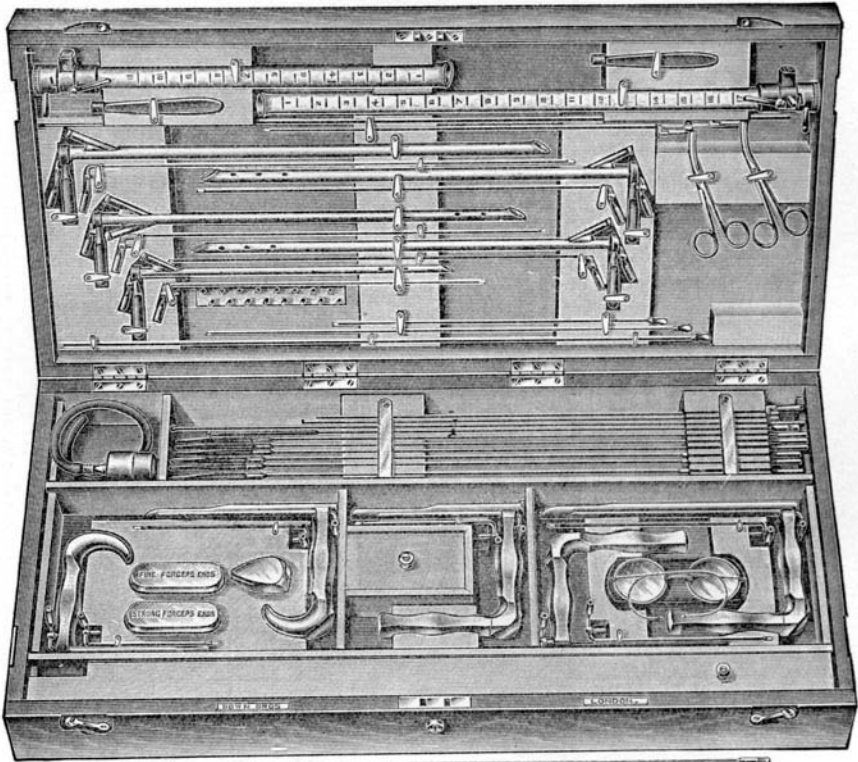
Odol

**MOUTHWASH & TOOTHPASTE
IS
BRITISH MADE
BY
BRITISH LABOUR
FINANCED BY BRITISH CAPITAL**

SUPPORT HOME INDUSTRIES BY
RECOMMENDING THESE EXCELLENT
PRODUCTS

CRANBUX LIMITED OF NORWICH

Aldaych



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., LTD.

SURGICAL INSTRUMENT MAKERS

21 and 23 ST THOMAS'S STREET

LONDON, S. E. 1

(Opposite Guy's Hospital)

The Choice of Medical Men

for their own deafness or to recommend to patients is the "Ardenite" method because it is so entirely different, uncopyable, and carries a written lifelong guarantee and service of 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.

"Ardenite" is also the Choice of

Prof. SIR AMBROSE FLEMING, Kt., M.A., B.Sc., F.R.S.

Col. SIR HENRY KNOLLYS, K.C.V.O.

The late Gen. BRAMWELL BOOTH, C.H., and

Major F. E. VERNEY, M.C.

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.

"Ardenite" 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 his users who chose "Ardenite" on its merits—

"Ardenite" 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 at your or any of our addresses if Deaf yourself or interested on behalf of patients.

Mr Dent is the inventor of "Ardenite."

Mr Dent is the pioneer of individual ear-fitting.

Mr Dent is the originator of the "Free Home Test."

The most Complete and Extensive Service for the Deaf under personal supervision

M^R R. H. DENT'S
ARDENTE
FOR DEAF EARS

309 OXFORD STREET, LONDON, W.1

(Between Oxford Circus and Bond St. Tube Stations)

PHONE MAYFAIR 1380/1718

9 Duke Street, CARDIFF	27 King Street, MANCHESTER
64 Park Street, BRISTOL	59 Northumberland St., NEWCASTLE
271 High Street, EXETER	206 Sauchiehall Street, GLASGOW
118 New Street, BIRMINGHAM	111 Princes Street, EDINBURGH
37 Jameson Street, HULL	

Please ask for "Medical Reports"

THE "STERLING" AUTOMATIC ELECTRIC Mouth and Throat Lamp

(PATENTED)

THE "STERLING LAMP" is the *only* combined automatic Mouth and Throat Lamp and Tongue Depressor, and is ideal for quick examination. A slight pressure on the tongue with the removable blade bringing the bulb into contact.

Economical.—The light is only on while lamp is in actual use, the removal of the depressor from the tongue immediately bringing the bulb out of contact.

PRICES

Lamp, complete with Battery, bulb,	Spare Wood Depressor Blades, packed
polished Aluminium Blade, and 50	in boxes of 50, per box
Wood Depressor Blades, in case	2s.
Pegamoid covered Case, extra	Spare Aluminium Blades, each
	3s.
	Spare Batteries, each
	6d.
	Spare Bulbs, each
	6d.

Our new 1300 page instrument catalogue will be ready shortly. May we register your name for a copy?



THE SURGICAL MANUFACTURING CO., LTD.

83-85 MORTIMER STREET, LONDON, W.

And at 4 Park Terrace, GLASGOW, and 52 South King Street, DUBLIN

ROGERS' STANDARD SPRAYS

HAVE A
WORLD-WIDE REPUTATION
For Efficiency & Reliability.

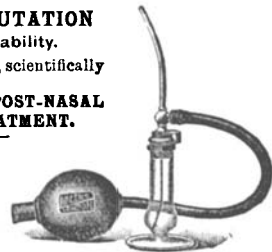
They are made in many forms, scientifically
designed for
NASAL, PHARYNGEAL, POST-NASAL
and LARYNGEAL TREATMENT.

*Particulars gladly supplied
on request.*

Sole Manufacturer—

FRANK A. ROGERS (LATE OF OXFORD ST.).

1, Beaumont Street, London, W.1.



INHALATIO No. 8

A BLAND, NON-IRRITATING, OLEAGINOUS COMPOUND

Containing the active principles of:—

Mentha Arvensis
Cinnamomum Camphora
Eucalyptus Globulus
Pinus Pumilio
Cinnamomum Zeylanicum

Blended in a pure Hydrocarbon Base.

INDICATIONS. In any irritable condition of the mucous membrane.

Prescribed and used constantly by the leading West End Consultants.
 Supplied with specially fine nebulizer, which functions perfectly, giving
 finest possible spray.

Price, complete in case, 12/6

Free sample may be had on request

JOHN BELL & CROYDEN

ACOUSTIC DEPARTMENT:—8 WELBECK STREET, W.1

4TH EDITION.

REVISED AND ENLARGED.

LEWIS'S PRACTICAL SERIES.

DISEASES OF THE NOSE AND THROAT

By HERBERT TILLEY, B.S.(Lond.), F.R.C.S.(Eng.), Surgeon, Ear and Throat Department,
 University College Hospital; Teacher of Laryngology and Otology, University of London.

With numerous Illustrations, including 74 Plates. Demy 8vo.
 28s. net. Postage 1s., abroad 1s. 3d.

Extracts from Press Notices.

"The work is so comprehensive that it should be a valuable book of reference, whilst it is not too large to serve as an ordinary text-book."—*British Medical Journal*.

"We have no hesitation in recommending his book to the practitioner as well as to the prospective specialist."—*The Lancet*.

"The author is to be congratulated upon his work; as a text-book it is one of the best upon the subject; . . . displays the master mind of an accomplished teacher."—*Medical Press*.

LONDON: H. K. LEWIS & CO. LTD., 136 Gower Street, and 24 Gower Place, W.C. 1.

Telegrams: "Publicavit, Eusroad, London."

Telephone: Museum 7756 (3 lines).

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.

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

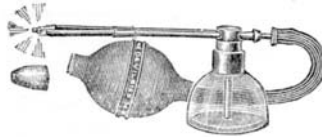
Surgical Instrument Makers to Royal Infirmary, Edinburgh

Phone : 20669.

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

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

*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 OTOTOLOGY.

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

CONTENTS

	PAGE
FOREWORD. Editor	
SOME OBSERVATIONS ON BONE CONDUCTION. C. S. Hallpike, M.B. Lond., M.R.C.P.	1
NOTES ON THE TAKING OF CULTIVATIONS IN DISEASE OF THE MASTOID BONE. T. B. Layton	25
SOCIETIES' PROCEEDINGS—	
Royal Society of Medicine—Section of Otology	28
ABSTRACTS—	
The Ear	70
The Nose and Accessory Sinuses	72
The Larynx	73
The Pharynx	75
Esophagus Endoscopy	75
Miscellaneous	77
REVIEW OF BOOK	78
GENERAL NOTES	80