

otolith membranes, which we know to be stimulated by flexion of the hairs.

There are several facts which are difficult to reconcile with the displacement theory. Siebenmann's experiments showed that prolonged exposure of animals to the blast of a high-pitched whistle was followed by degeneration of the organ of Corti of the basal coil, a medium-toned whistle by degeneration in the middle coil, and a low-toned whistle of the apical coil. This appears to show that certain sounds are perceived by certain special parts of the basilar membrane. Keith, in his appendix, states—"This distributional mechanism of the cochlea will tend to confine displacements caused by vibrations of small amplitude to the basal part of the basilar membrane, while only waves of the greatest amplitude will reach the apical region." Amplitude of vibration is not the same thing as rapidity of vibration, and, in any case, the displacement theory does not allow of any selective action on any one part of the cochlea, as the whole basilar membrane would be equally affected by any one tone.

The explanation of bone-conduction is similarly unsatisfactory, and can be explained only in the case of the stapes being fixed, but not otherwise. This, however, is no great drawback to the theory, as none of the explanations of the various tuning-fork tests are really satisfactorily explained by the resonance theory either.

Whether the displacement theory as expounded by Wrightson and Keith be accepted or not, the anatomical researches of Keith render the resonance theory of Helmholtz untenable. It is impossible in an abstract such as this to go into the details of the question. Only the salient features are here given, and readers are referred to the original for further information.

Wrightson and Keith in this book have opened up new ground, and increased our knowledge of the mechanism of hearing in a way that has not been done since Helmholtz advanced his famous resonance theory many years ago. It is essential for all otologists and physiologists to study this book carefully if they wish to keep abreast of the times in their knowledge of the physiology of hearing. *J. K. Milne Dickie.*

NOTES AND QUERIES.

A CASE FOR DIAGNOSIS.

Dr. Neil Maclay (Newcastle) writes:

"Can any of your readers suggest an explanation of the following case?"

"A male, aged thirty-two, with difficulty in swallowing; liquids go down pretty well, but solids hardly at all. No gullet growth, stricture, or spasm, and X-ray of chest negative.

"The epiglottis is seen to lie in close contact with the posterior wall, and the bolus appears to sit upon its lingual surface. The left cord is paretic and nearly motionless, and the right cord is weak in abduction. There is no anaesthesia or paresis of the palate, but there is some weakness in the left sterno-mastoid and trapezius. No evidence of any other nerve involvement."

INDEX TO VOLUME XXXIII. 1918.

SUBJECTS.

	PAGE
Abscess, antral, treated with salicylic acid (P. R. Wilde)	156
—— otitic cerebellar; diagnosis (A. Braun)	221
“Acta Oto-Laryngologica,” note on publication of	64
Adrenalin-pituitary treatment of asthma (Bensaude, Hallon)	284
Amberine as dressing after mastoid operations (Major Dawse)	286
American Laryngological, Rhinological and Otological Society	339
—— specialists, note on a military mission of	96
Anthropology, notes on Prof. Keith's lectures	96, 160
Antrum, maxillary, in mastoiditis (H. Bodkin)	200
Aphonia; electrical treatment (G. C. Cathcart)	315
Army in France, Vincent's angina in (R. J. C. Douty)	120
—— grading in ear and nose conditions (Lieut.-Col. Goldsmith, Hunter Tod)	85, 87
Asthma, adrenalin-pituitary treatment of	284
—— associated with ethmoidal disease (J. Mackenzie Brown)	186
—— bronchial, treatment by vaccination (M. H. Licard)	256
—— bronchoscopy in treatment of (W. S. Syme)	61
Auditory meatus, external, wounds of (J. Rozier)	255
—— and tympanum, squamous-celled carcinoma of (Sydney Scott)	247
Ballenger (W. L.), obituary	32
Bárány tests in diagnosis of vertigo	375
Beautifying the race (notes on Prof. Keith's lectures on anthropology)	96, 160
Birkett (Col. H. S., C.B.), war services of	31, 160
Blindness caused by ethmoiditis (G. W. Dawson)	183
Bougies, Eustachian, method of medicating (L. M. Hurd)	348
Bronchoscopy for tooth in secondary bronchus (Sir StClair Thomson)	377
—— in treatment of asthma (W. S. Syme)	61
—— and œsophagoscopy, technique of suspension in (R. C. Lynch)	252
Caloric test for nystagmus (C. A. Swan and R. Lake)	118
Cancer, intrinsic, of larynx, <i>see</i> Larynx.	
Carcinoma, primary, of middle ear (Newhart)	253
—— of external auditory meatus and tympanum (Sydney Scott)	247
Cardiac infection in childhood, nature and symptoms (F. J. Poynton)	189
Cerebro-spinal fluid from ear for twelve months (J. F. O'Malley)	244
Chloramines as nasal antiseptics	61
Choanæ, atresia of (A. J. Brady)	49
Cholesteatoma of lateral pharynx (J. J. Kyle)	366
Cleft palate and hare-lip (Owen Smith)	342
Cocaine anæsthesia in operation for tuberculous mastoiditis (H. Hays)	122
—— -adrenaline in tonsillectomy	128
“Colds,” head, from the internist's standpoint; results and treatment (T. F. Reilly)	121
Coughing, irritative; treatment (T. Mark Hovell)	272
Deafness due to candle grease in external auditory meatus (G. E. W. Henderson)	51
—— “shipwreck cure” for, note on	224

	PAGE
Deafness and loss of labyrinth function (complete); ? cause (W. M. Mollison)	337
Discussion (at Royal Society of Medicine): J. F. O'Malley, Sydney Scott.	
Diagnosis, case for (Neil Maclay)	384
Diphtheria carriers, tonsillectomy in	120
tracheo-bronchial (H. Linah)	346
Ear affections, Heath operation ? justifiable for	188
cerebro-spinal fluid escaping from, for twelve months (J. F. O'Malley)	244
Discussion (at Royal Society of Medicine): C. E. West, Sydney Scott, R. Lake, H. Banks-Davis.	
inner, and eighth nerve, galvanic test (G. W. Mackenzie)	348
Labyrinth, primary diseases of, from focal infection (G. E. Shambaugh)	375
middle, green pea removed by post-aural operation (H. J. Banks-Davis)	334
medication <i>per tubam</i> (Dan McKenzie)	118
primary carcinoma of	253
prognosis of acute suppuration (F. E. Franchere)	61
suppuration with complications (Capt. J. K. Milne Dickie)	106
treatment of chronic discharge	157
vertigo in suppurative disease of	375
myiasis of—larva of flesh fly (E. B. Waggett)	339
ticking on, <i>see</i> Jewell (W. H.).	
war affections, injuries, and neuroses of	24, 53, 77, 82, 100, 111, 255, 335, 351
nose and throat affections, internal secretions in	378
<i>see also</i> Labyrinth, Labyrinthitis, Translabyrinthine.	
Edinburgh Royal Infirmary Ear and Throat Department, Report for years 1916-17	227, 323
Egypt, summary of report on diseases of ear, nose and throat from 1915 (Lieut.-Col. J. W. Barrett)	100
Endorhinoscopic examination, value of (M. Yearsley)	1
Endorhinoscopy (correspondence)	62, 94
Epistaxis, familial (H. B. Richardson)	122
Ethmoidal disease associated with asthma	186
Ethmoiditis causing optic neuritis	183, 274
Eustachian tubes, pharyngeal ends, note on amputation of (Dan McKenzie)	128
Face-mask in the consulting room (note)	320
First aid in diseases of ear, throat and nose: note on lecture by Mr. Herbert Tilley	256
Focal infection as cause of primary diseases of labyrinth	375
chronic, incidence in chronic diseases (L. Langstroth)	287
Foreign bodies in air-passages, etc.	91, 156, 178, 180, 183, 286, 377
Discussion (at Royal Society of Medicine): Hunter Tod, Irwin Moore, Norman Patterson, D. R. Paterson, T. Mark Hovell, Sir StClair Thomson.	
Frontal bone, acute osteomyelitis of, secondary to sinusitis	90, 276
Galyl injections with tracheotomy in gumma of larynx	313
Gradenigo (Prof.), note on his lectures	95
symptom-complex	220
Griffiths (Capt. J. N.), obituary	63
Hamilton (T. Kinley), obituary note	63
Heath operation for mastoiditis (A. S. Kaufman)	188
Hemiplegia following tonsillectomy	185, 217
Hunterian lectures, note on	64

	PAGE
Ichthyol ointment in treatment of atrophic rhinitis (R. H. Fowler)	316
Influenza (editorial)	353
Intubation, prolonged (E. Mayer)	225
Intracranial disease, vertigo due to	375
Italy, oto-rhino-laryngological service in	97
James (M. Prosser), obituary notice	190
JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY	32, 127
Labyrinth fistula	157
——— new symptom (S. H. Mygind)	143, 351
——— primary disease of, vertigo as symptom	375
——— static, in syphilis (J. W. Downey)	317
——— technique of examination (I. H. Jones and L. Fisher)	122
Labyrinthine "commotion," researches on (Prenant and Castex)	188
Labyrinthitis, acute circumscribed (Chalmette)	61
Laryngeal growths, innocent (A. Wylie)	33, 71
——— paralysees, associated, classification of syndromes (Maurice Vernet)	354
——— stridor due to chronic osteo-arthritis; dilatation (Dundas Grant)	148
Discussion (at Royal Society of Medicine): Herbert Tilley, Sir StClair Thomson, Wm. Hill, F. de Havilland Hall, Cyril Horsford, J. Donelan, Dan McKenzie.	
Laryngectomy, a "prognosis"	224
——— (hemi-) for malignant diseases; new operation (J. E. MacKenty)	339
Laryngo-fissure, <i>see</i> Larynx.	
Laryngology of our grandfathers	352
Larynx, extirpation of, under local anæsthesia (P. Sabileau)	285
——— gumma of; tracheotomy and galyl injections; arsenical poisoning; recovery (Irwin Moore)	313
Discussion (at Royal Society of Medicine): Jobson Horne, T. Mark Hovell, J. Donelan.	
——— intrinsic cancer of, and the operation of laryngo-fissure (Irwin Moore)	129, 166, 202, 234, 260, 294
——— papillomata of, followed by pulmonary collapse	257
——— safety-pin in, treated as diphtheria (H. L. Lynch)	91
Lepto-meningitis, streptococcal, translabyrinthine drainage for	249
Leucoplakia buccalis et lingualis (R. Levy)	28
"L'Oto-Rhino-Laryngologie Internationale," note on publication	128
McIntyre (John), note on appointment	32
Macnaughton Jones (H.), obituary notice	190
Malaria following operation for acute mastoiditis	269
Mastoid cells, "posterior," infection followed by extra-dural abscess (J. Rozier)	93
——— operations, amberine as dressing (Major Dawse)	286
nomenclature of (correspondence)	320
Mastoidectomy followed by salivary fistula (Schreiber)	157
Mastoiditis, acute; operation followed by malaria (Neil Maclay)	269
——— maxillary antrum in (H. Bodkin)	200
——— post-operative treatment by Carrel-Dakin method (P. Moure and E. Sorrel)	221
——— tuberculous; radical operation under cocaine (H. Hays)	122
——— unusual course of pus in neck (J. W. Durkee)	347
——— X-ray diagnosis of	25
Meatus, candle grease in, causing deafness	51
——— external auditory, and tympanum, squamous-celled carcinoma of (Sydney Scott)	247
Discussion (at Royal Society of Medicine): C. E. West, W. M. Mollison.	

	PAGE
Royal Society of Medicine, Otolological Section, discussion on war injuries and neuroses: Major A. F. Hurst, E. D. D. Davis, Lt.-Col. Goldsmith, Hunter Tod, Somerville Hastings, H. J. Marriage	82
——— (E. D. D. Davis's case): Sydney Scott, Lt.-Col. P. Goldsmith	335
——— President's address	321
——— proceedings	53, 82, 244, 332, 367
——— report of Committee of Otolological Research	332
Schultze's monochord (W. M. Mollison)	365
Secretions, internal, in ear, nose and throat affections (H. L. Pollock)	378
Sepsis, gastro-intestinal, as cause of Menière's disease	367
Septum, nasal: cure of hæmorrhage by submucous elevation (J. Leshure)	186
——— deflected, resection of, for peculiar neuro-gastric syndrome (J. B. Horgan)	331
——— <i>see also</i> Nose, septum of.	
Shell-shock (F. W. Mott)	157
Sinus, cavernous, tonsillar infections of (Got)	120
——— frontal, suppuration (H. A. Lothrop)	218
——— epithelioma of (Dougherty)	219
——— intranasal drainage of (E. F. Ingals)	285
——— lateral, cholesteatoma exposing (Somerville Hastings)	336
——— Discussion (at Royal Society of Medicine): W. Hill, W. M. Mollison, Sydney Scott, Lt.-Col. Goldsmith, A. Wylie, Prof. Urban Pritchard.	
——— maxillary, carcinoma without recurrence for 3½ years (W. M. Mollison)	280
——— sphenoidal, <i>see</i> Optic neuritis, Optic atrophy.	
Sinuses, nasal, operations through trans-septal opening	121
——— and throat, Texas screw worm infection	26
Sinusitis, acute frontal, <i>see</i> Frontal bone.	
Sphenoidal sinus, <i>see</i> Sinus, sphenoidal.	
Sound, unit of, Stefanini's phonometer (Prof. Gradenigo)	197
Strabismus, sailor's definition of	288
Stricture, post-cricoid spasmodic (Dan McKenzie)	270
——— spasmodic, of thoracic œsophagus (skiagram) (Dan McKenzie)	281
Stefanini's phonometer: the unit of sound (Prof. Gradenigo)	197
Stuttering, rational treatment of (Mrs. Scripture and E. Jackson)	123
Syphilis of larynx (Irwin Moore)	313
——— static labyrinth in (J. W. Downey)	317
Temporo-mandibular articulation, surgery of (L. W. Dean and W. F. Boiler)	93
Texas screw worm infection of nose, etc. (S. Israel)	26
Throat. <i>see</i> Ear.	
Thyro-glosso-epiglottic space, abscess of (Bellin and Vernet)	316
Ticking in ears, objective and subjective (W. H. Jewell)	247
Tonsil and adenoid operations, rapid lateral version in (Capt. Seymour Jones)	308
——— question in children	154
——— sarcoma of (Douglas Guthrie)	310
Tonsils and infection in poliomyelitis (Seydell)	155
——— and nasal fossæ, lymphatic relations (A. Pugnât)	316
——— faucial, clinical problems in adults (G. E. Shambaugh)	154
——— primary tuberculosis of, in children (A. P. Mitchell)	8, 40
Tonsillar infections of cavernous sinus (Got)	120
Tonsillectomy, cocaine-adrenaline anæsthesia in (Dan McKenzie)	128
——— dry, instrument for (S. Israel)	89
——— indications and dangers (G. B. Wood)	154
——— followed by hemiplegia (Scrutan; Gracey)	185, 217

Index.

391

	PAGE
Tonsillectomy, followed by œdema of glottis (?) (E. L. Myers)	155
——— in diphtheria carriers (C. C. Ballantyne and B. S. Cornell)	120
Trachea, endothelioma or sarcoma of, apparent cure with radium emanations (Capt. Seymour-Jones)	242
Translabyrinthine drainage for streptococcal lepto-meningitis (Sydney Scott)	249
Discussion (at Royal Society of Medicine): Dan McKenzie, W. M. Mollison, C. E. West, Somerville Hastings.	
Tuberculosis, complement-fixation test in (G. W. McCaskey)	189
——— early pulmonary, diagnosis (J. I. Johnston)	222
——— lupoid, of pharynx, soft palate and uvula (Irwin Moore)	152
Discussion (at Royal Society of Medicine): Jobson Horne, Dan McKenzie, F. Rose.	
primary, of faucial tonsils in children (A. P. Mitchell)	8, 40
Tuning-fork tests, <i>see</i> Rinne.	
Turbinals and septum, use of, in nasal repair	187
Tympanic membrane, repair of long-standing perforations (A. M. Dunlap)	92
Tympanum, <i>see</i> Meatus.	
Version, rapid lateral, in tonsil and adenoid operations (B. Seymour Jones)	308
Vertigo, Bárány tests in diagnosis of	375
——— causes and diagnosis of (L. Fisher)	188
——— diagnosis of (G. E. Shambaugh, P. D. Kerrison, T. H. Weisenburg, I. H. Jones)	375
Vincent's angina among the troops in France (R. J. C. Douty)	120
——— in Liverpool camp (H. H. Willis)	89
——— serological investigation of (F. E. Taylor and W. H. McKinstry)	289
Vocal cord, left, paralysis of, some observations on clinical significance of (H. Tilley)	161
——— cords, infiltration and ulceration of (case for diagnosis) (W. H. Jewell)	184
——— symmetrical fibromata on; simultaneous removal (Dundas Grant)	151
War injuries and affections of ear, nose and throat 24, 53, 77, 82, 93, 100, 111, 156, 255, 335, 351	
——— <i>see also</i> Royal Society of Medicine and Jones Phillipson.	
——— American specialists' mission	96
X-ray diagnosis of mastoiditis (Amberg)	25
X rays in treatment of nævus	187

AUTHORS.

AMBERG, X-ray diagnosis of mastoiditis	25
BALLANTYNE (C. C.) and CORNELL (B. S.), tonsillectomy in diphtheria carriers	120
BANKS-DAVIS (H. J.), cystic meatal swelling (? dermoid)	334
——— green pea removed from middle ear by post-aural operation	334
——— Presidential Address, Section of Otology	321
——— review	351
BARRETT (Lieut.-Col. J. W.), summary of report on diseases of ear, nose and throat in Egypt from 1915	100
BELLIN and VERNET, abscess of thyro-glosso-epiglottic space	316
BENSAUDE and HALLON, adrenalin-pituitary treatment of asthma	284

	PAGE
BLACKWELL (H. B.), modified radical operation for chronic purulent otitis media	123
BODKIN (H.), the maxillary antrum in mastoiditis	200
BOILER (W. F.), <i>see</i> Dean (L. W.).	
BRADY (A. J.), abstracts	89, 157, 255
—— atresia of choanæ; device to prevent recurrence	49
—— ossiculectomy in chronic adhesive otitis	50
BRAUN (A.), diagnosis of otitic cerebellar abscess	221
BROWN (J. Mackenzie), asthma associated with ethmoidal disease	186
BRYANT (W. Sohler), the oto-rhino-laryngological service in Italy	97
CATHCART (G. C.), aphonia; electrical treatment	315
CAUTLEY (E.), malformation of œsophagus	28
CHALMETTE, acute circumscribed labyrinthitis	61
COCKS (G. H.), atmospheric effects on upper respiratory tract	30
CORNELL (B. S.), <i>see</i> Ballantyne (C. C.).	
CORREA (J. de Cruz), ocular complications of dental affections	222
CUMBERBATCH (E. P.), nævus treated by X-rays	187
DAVIS (E. D. D.), optic atrophy caused by suppuration of left sphenoidal sinus, etc.	275
—— optic neuritis caused by suppuration in right posterior ethmoidal cells and sphenoidal sinus	274
—— war injury of ear	335
—— review	158
DAWSON (G. W.), adherent soft palate	272
—— naso-pharyngeal fibroma	273
—— ethmoiditis causing blindness	183
DEAN (L. W.) and BOILER (W. F.), surgery of temporo-mandibular articulation	93
DEMPSEY (Patrick), nasopharyngeal tumour	15
DENNIS (C. E.), splint for facial paralysis	349
DICKIE (Capt. J. K. Milne), abstracts	284-286, 316, 350
—— middle-ear suppuration with complications	106
—— review	124
DOUGHERTY, epithelioma of frontal sinus	219
DOUTY (R. J. C.), Vincent's angina among the troops in France	120
DOWNEY (J. W.), analytic study of Rinne and other tuning-fork tests	123
—— static labyrinth in syphilis	317
DROUIN and CANUYT, cancer of œsophagus developing in scar	27
DUNHAM (E. K.) and DAKIN (H. D.), chloramines as nasal antiseptics	61
DURKEE (J. W.), unusual course of pus in neck in mastoiditis	347
DUNLAP (A. M.), repair of long-standing perforations of tympanic membrane	92
EWING (T.), antro-nasal or choanal polypus (Reports of Edinburgh Royal Infirmary)	227
FISHER (L.), causes and diagnosis of vertigo	188
—— <i>see</i> Jones (I. H.)	
FOWLER (R. H.), atrophic rhinitis treated with ichthyol ointment	316
FRANCHERE (F. E.), prognosis of acute suppuration of middle ear	61
FRASER (J. S.), abstracts, 25-31, 90-93, 123, 155, 185-187, 217-19, 252-5,	
316, 318, 346-8,	378
—— letter on the education of the oto-laryngologist	191
—— review	16
—— statistical tables Royal Edinburgh Infirmary	323
GARRETSON (W. T.), statistical tables Royal Edinburgh Infirmary	323
GOT, tonsillar infections of cavernous sinus	120
GRACEY, hemiplegia following tonsillectomy	217

	PAGE
GRADENIGO (Prof. D.), the unit of sound : Stefanani's phonometer	197
GRANT (Dundas), reviews	288, 318
— symmetrical fibromata on vocal cords	151
GUTHRIE (D.), abstracts	61, 90, 120-2, 189, 220, 375
— acute otitis media with paralysis of sixth nerve (Gradenigo symptom-complex)	220
— sarcoma of tonsil	310
— (Thomas), abstracts	121, 154, 157, 189, 222, 256, 287
HALLEY (G. L.), double facial paralysis of traumatic origin	350
HALLON, <i>see</i> Bensaude.	
HASTINGS (Somerville), cholesteatoma exposing lateral sinus	336
HAYS (H.), tuberculous mastoiditis ; radical operation under cocaine	122
HAZLEHURST, treatment of adhesions of soft palate by silver plate method	185
HEMMEON (J. A. M.), abstract	316
HENDERSON (G. E. W.), candle grease in external auditory meatus	51
HETT (G. Seccombe), use of turbinals and septum in nasal repair	187
HORGAN (J. B.), abstracts	28
— neuro-gastric syndrome cured by submucous resection of deflected nasal septum	331
— surgical treatment of suppurative otitis media chronica in childhood (abstract)	348
HOVELL (T. Mark), gastro-intestinal sepsis a cause of Menière's symptoms	367
— treatment of irritative coughing	272
HURD (Lee M.), method of medicating Eustachian bougies	348
ISRAEL (S.), instrument for dry tonsillectomy	89
— Texas screw worm infection of nose, etc.	26
JACKSON (C. M.) and CONNOR (C. E.), wax model of nasal cavity, etc.	316
— <i>see</i> Scripture, Mrs.	
JEWELL (W. H.), infiltration and ulceration of vocal cords, ? malignant	184
— objective and subjective ticking in ears	247
JOHNSTON (J. I.), diagnosis of early pulmonary tuberculosis	222
JONES (I. H.) Barany tests in diagnosis of vertigo	375
— and FISHER (L.) technique of examination of static labyrinth	122
JONES (Capt. Seymour), apparent cure of endothelioma or sarcoma of trachea with radium emanations	242
— rapid lateral version in tonsil and adenoid operations	308
JONES-PHILLIPSON (C. E.), war injuries and neuroses of otological interest	77, 111
KAUFMAN (A. S.), Is a modified radical, or Heath, operation justifiable ?	188
KELLY (A. Brown), congenital appendages or teratoid tumours of nasal septum	193
— hairy or dermoid polypi of the pharynx and naso-pharynx	65
KELSON (W. H.), on endorhinosecopy (correspondence)	62
KERRISSON (P. D.), aural vertigo in suppurative disease of middle ear	375
KYLE (J. J.), cholesteatoma of lateral pharynx	366
LAKE (R.), <i>see</i> Swan (C. A.).	
LANGSTROTH (L.), chronic focal infection in chronic diseases	287
LESHURE (J.), septal hæmorrhage; its cure by submucous elevation	186
LEVY (R.), leucoplakia buccalis et lingualis	28
LIÉBAULT (G.), Murphy's intra-rectal infusions in lateral sinus phlebitis	286
LINAH (H.), tracheo-bronchial diphtheria	346
LOTHROP (H. A.), frontal sinus suppuration	218
LYNAH (H. L.), safety-pin in larynx treated as case of diphtheria	91
LYNCH (R. C.), suspension in bronchoscopy and œsophagoscopy	252

	PAGE
McCAsKEY (G. W.), complement-fixation test in tuberculosis	189
McILRAITH (C. H.), pulmonary collapse, consequent on papillomata of larynx; tracheotomy; death	257
MACKENTY (J. E.), hemi-laryngectomy for malignant diseases	339
McKENZIE (Dan), a simple nasal "splint"	224
— abstracts	125, 349
— amputation of pharyngeal ends of Eustachian tubes (note)	128
— cocaine-adrenaline in tonsillectomy	128
— medication of middle ear <i>per tubam</i>	118
— obituary notice of Capt. J. N. Griffiths	63
— post-cricoid spasmodic stricture	270
— reviews	62, 125
— spasmodic stricture of thoracic œsophagus (skiagram)	281
MACKENZIE (G. W.), galvanic test for functions of inner ear and eighth nerve	348
— turning nystagmus	344
McKINSTRY (W. H.), <i>see</i> Taylor (F. E.).	
MACLAY (Neil), malaria following operation for acute mastoiditis	269
MAYER (E.), case of prolonged intubation	225
MITCHELL (A. Philp), primary tuberculosis of faucial tonsils in children	8, 40
MOLLISON (W. M.), acute osteomyelitis of frontal bone secondary to acute frontal sinusitis; operation; recovery	276
— carcinoma of maxillary sinus, 3½ years with no recurrence	210
— complete deafness and loss of labyrinth function; ? cause	337
— note on Schultze's monochord	365
MOORE (Irwin), gumma of larynx; tracheotomy and galyl injections; arsenical poisoning; recovery	313
— intrinsic cancer of larynx and operation of laryngo-fissure, with description of new instruments	129, 166, 202, 234, 260, 294
— lupoid tuberculosis of pharynx, etc.	152
— mutton bones in œsophagus; œsophagoscopy; recovery	183
— retropharyngeal abscess; operation; injury to cervical sympathetic	283
MOTT (F. W.), mental hygiene and shell-shock	157
MOUCHET (A.), bullet wound of pharynx; vertebral fracture	284
MOURE (Prof. E. J.) and PIETRI (P.), the organ of hearing in war	24
— and CANUYT, war wounds of larynx and trachea	93
MOURE (P.) and SORREL (E.), Carrel-Dakin post-operative treatment of mastoiditis	221
MURPHY (F. G.), the plica triangularis and infective foci	217
MYGIND (S. H.), new symptom of labyrinth fistula	143
O'MALLEY (J. F.), cerebro-spinal fluid escaping from ear for twelve months	244
"PELION" on nomenclature of mastoid operations (correspondence)	320
— the education of the oto-laryngologist	159
PEGLER (L. H.), nasal fibroma (right fossa).	314
PIETRI (P.), <i>see</i> Moure (Prof. E. J.).	
POLLOCK (H. L.), internal secretions in ear, nose and throat affections	378
POYNTON (F. J.), nature and symptoms of cardiac infection in childhood	189
PRENANT and CASTEX, researches on labyrinthine "commotion"	188
PUGNAT (A.), lymphatic relations between nasal fossæ and tonsils	316
REILLY (T. F.), results and treatment of "head" colds	121
RICHARDSON (H. B.), familial epistaxis	122
ROZIER (J.), infection of "posterior" mastoid cells; extra-dural abscess	93
— wounds of external auditory meatus	255
RYLAND (Archer), abstract	187
SABILEAU (P.), extirpation of larynx; local anæsthesia	285

	PAGE
SCOTT (Sydney), correspondence	351
— squamous-celled carcinoma of external auditory meatus and tympanum	247
— translabyrinthine drainage for streptococcal lepto-meningitis; recovery	249
SCRIPTURE (Mrs. M. K.) and JACKSON (E.), rational treatment of stuttering	123
SCRUTAN (W. A.), hemiplegia after tonsillectomy	185
SHAMBAUGH (G. E.), faucial tonsils	154
— primary diseases of labyrinth as result of focal infection	375
— vertigo as symptom of primary disease of labyrinth	375
SHUTER (R. E.), war injuries of ear	255
SMITH (Owen), cleft palate and hare-lip	342
SORREL (E.), <i>see</i> Moure (P.).	
STANLEY (L. L.), nasal refracture	186
SWAN (C. A.) and LAKE (R.), results of caloric test for nystagmus	118
SYME (W. S.), bronchoscopy in treatment of asthma	61
TAYLOR (F. E.) and MCKINSTRY (W. H.), a serological investigation of Vincent's angina	289
THOMSON (Sir StClair) (abstract)	377
— bronchoscopy for removal of tooth in secondary bronchus	377
— obituary notice of W. L. Ballenger	32
— — Col. Herbert S. Birkett, C.B.	31
TILLEY (H.), acute osteomyelitis of frontal bone; operation; recovery	90
— foreign bodies removed from air and food passages	178
— note on lecture by, on first aid in diseases and injuries of ear, etc.	256
— notes on tumour of pituitary body	280
— observations on clinical significance of paralysis of left vocal cord	161
TOD (Hunter), pin in bronchiole of posterior lobe of right lung	180
TURNER (A. Logan), statistical tables, Royal Edinburgh Infirmary	323
VERNET (Maurice), classification of syndromes of associated laryngeal paralyses	354
VERNET, <i>see also</i> Bellin.	
WAGGETT (E. B.), myiasis of ear—larva of flesh fly	339
WEISENBURG (T. H.), vertigo due to intracranial disease	375
WHALE (H. Lawson), abstracts	24, 27, 61, 93, 120, 156, 188, 221, 222, 255, 286, 287
WILLCUTT (G. H.), complete unilateral deafness from acute parotitis	318
WINGRAVE (Wyatt), histological changes at site of paraffin injection	330
— pathological report on Dr A. Wylie's fifty cases of innocent laryngeal growths	74
— the laryngology of our grandfathers	352
WYLIE (Andrew), fifty cases of innocent laryngeal growths	33, 71
YANKAUER (S.), the fossa of Rosenmueller	346
YEARSLEY (MacLeod), abstracts	61, 122, 154-7, 186-8, 285, 316-8, 348, 375
— correspondence on endo-rhinotomy	94
— review	350
— value of endorhinoscopic examination	1

VOL. XXXIII.—1918.

THE
JOURNAL OF LARYNGOLOGY,
RHINOLOGY, & OTOTOLOGY:

A RECORD OF CURRENT LITERATURE

RELATING TO

THE THROAT, NOSE, AND EAR.

PUBLISHED MONTHLY.

London:
ADLARD & SON & WEST NEWMAN, LTD.
BARTHOLOMEW CLOSE, E.C.

ENTERED AT STATIONERS' HALL.

THE JOURNAL OF LARYNGOLOGY, RHINOLOGY, AND OTOTOLOGY.

Founded in 1887 by **MORELL MACKENZIE** and **NORRIS WOLFENDEN**.

EDITORIAL COMMITTEE:

- | | |
|---|---|
| H. S. BIRKETT, C.B., M.D.
<i>Col. C.A.M.C. (Montreal).</i> | J. MACINTYRE, M.B., C.M. (<i>Glasgow</i>). |
| A. CHEATLE, F.R.C.S.
<i>(Pres. Otol. Sect. Internat. Cong.).</i> | SIR W. MILLIGAN, M.D., M.Ch. (<i>Manchester</i>). |
| J. DONELAN, M.B., (<i>London</i>).
<i>(Pres. Laryng. Sect. R.S.M.).</i> | SIR STCLAIR THOMSON, M.D., F.R.C.S. (<i>London</i>).
<i>(Pres. Laryng. Sect. Internat. Cong.).</i> |
| DUNDAS GRANT, M.A., M.D., F.R.C.S. (<i>London</i>). | HERBERT TILLEY, M.D., F.R.C.S. (<i>London</i>). |
| WILLIAM HILL, M.D. (<i>London</i>). | LOGAN TURNER, M.D. (<i>Edinburgh</i>). |
| HUGH E. JONES, M.R.C.S. (<i>Liverpool</i>).
<i>(Pres. Otol. Sect. R.S.M.).</i> | P. WATSON-WILLIAMS, M.D. (<i>Bristol</i>). |
| | MACLEOD YEARSLEY, F.R.C.S. (<i>London</i>). |

EDITOR:

DAN MCKENZIE, M.D., F.R.C.S.E. (*London*).

WITH THE CO-OPERATION OF THE STAFF OF ABSTRACTORS:

- Drs. J. STODDART BARR (*Glasgow*), BRADY (*Sydney, N.S.W.*),
JOHN DARLING (*Edinburgh*), J. K. MILNE DICKIE (*Edinburgh*),
DONELAN (*London*), CLAYTON FOX (*London*), J. S. FRASER (*Edinburgh*),
PERRY GOLDSMITH (*Toronto*), THOS. GUTHRIE (*Liverpool*), A. HUTCHISON (*Brighton*),
J. D. LITHGOW (*Edinburgh*), A. McCALL (*Bournemouth*),
CHICHELE NOURSE (*London*),
KNOWLES RENSHAW (*Manchester*), ARCHER RYLAND (*London*),
LINDLEY SEWELL (*Manchester*), ALEX. R. TWEEDIE (*Nottingham*),
C. E. WEST (*London*), G. HAROLD L. WHALE (*London*),
WRIGHT (*Bristol*), and WYLIE (*London*).

AND THE ASSISTANCE OF

- MR. GEORGE BADGEROW (*London*), DES. J. BARR (*Glasgow*),
GRAZZI (*Florence*), A. BROWN KELLY (*Glasgow*),
E. LAW (*London*), MASSEI (*Naples*), D. PATERSON (*Cardiff*),
URBAN PRITCHARD (*London*), F. A. ROSE (*London*), A. SANDFORD (*Cork*),
SENDZIAK (*Warsaw*), H. TILLEY (*London*), RAYMOND VEREL (*Aberdeen*),
E. WAGGETT (*London*), R. WOODS (*Dublin*).



Dr. Irwin Moore's UNIVERSAL FORCEPS

For Removing Foreign Bodies from the Œsophagus, Trachea, or Bronchi.

And **ENDOSCOPIC CUTTING FORCEPS or SHEARS**

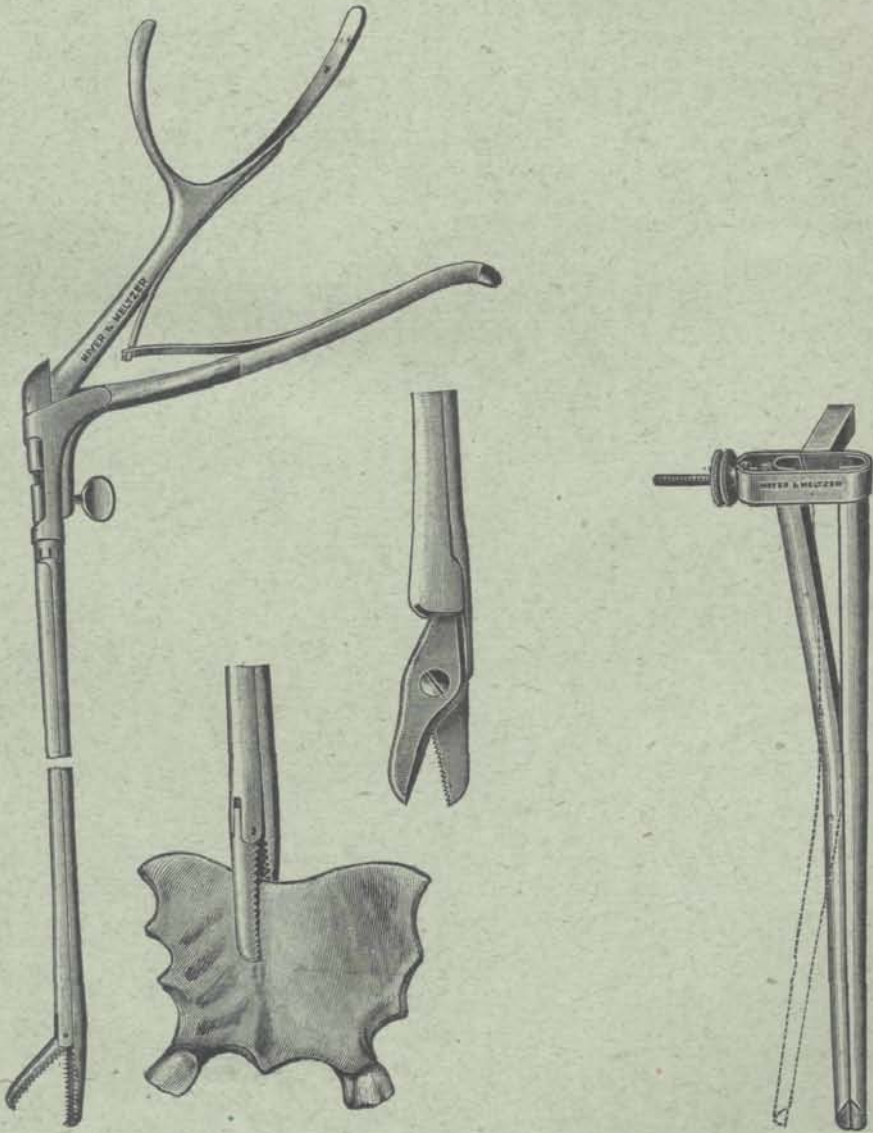
For Cutting through Tooth-plates, Pins, or Bones.

And

Dr. William Hill's EXPANDING ŒSOPHAGOSCOPE

For assisting in Removal of Impacted Tooth-plates, etc.

See *LANCET*, May 13th, 1916.



FULL PARTICULARS ON APPLICATION.

MAYER & MELTZER, 71, GT. PORTLAND ST., LONDON, W.

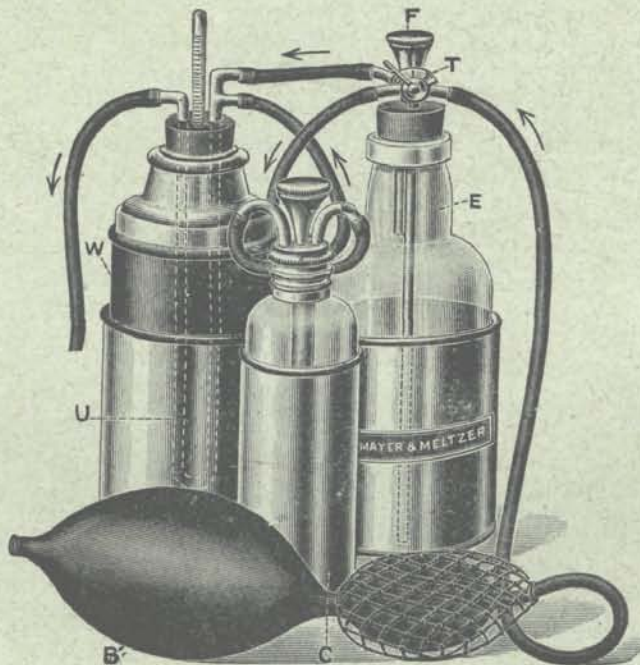
MAYER & MELTZER,

Surgical Instrument Makers.

ESTABLISHED OVER FIFTY YEARS.

Regulating Apparatus for the Administration of Warm Anæsthetic Vapours.

(*Vide* article in LANCET, Jan. 8th, 1916, by FRANCIS E. SHIPWAY, M.A., M.D.Cantab.)



The Administration of Warm Ether Vapour has all the advantages of the Open Ether Method, and is safer. There is less loss of body heat, less shock, less consumption of the anæsthetic.

Price **£3 15 0**

If with Chloroform Attachment and Buxton Bottle, **£4 17 6**

MAYER & MELTZER, 71, GREAT PORTLAND ST., LONDON.

Contractors to the War Office.