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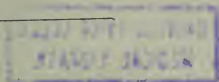
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British Medical Association.



THIRTY-SEVENTH ANNUAL MEETING.

PROGRAMME.



LEEDS.

JULY 27, 28, 29, AND 30.

1869.

UNIVERSITY OF LEEDS
MEDICAL LIBRARY.

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GENERAL INFORMATION.

The Scientific business will be conducted in five sections.

All Sectional business will be conducted in the Town Hall, as follows :—

- A—*Medicine.* Civil Court.
- B—*Surgery.* Criminal Court.
- C—*Midwifery.* Law Library.
- D—*Physiology.* Barristers' Clerks' Room.
- E—*Public Medicine.* Grand Jury Room.

All Council and Committee of Council Meetings will be held in the Council Chamber.

ADDRESSES WILL BE DELIVERED—

- | | | |
|---|---|---|
| IN MEDICINE,
<i>Wednesday,</i>
<i>July 28.</i>
<i>12 Noon.</i> | } | Sir Wm. JENNER, Bart.,
M.D., F.R.S., Physician in Ordinary
to Her Majesty, and Physician to Uni-
versity College Hospital. |
| IN MIDWIFERY,
<i>Thursday, 29th.</i>
<i>2 p.m.</i> | | T. E. BEATTY, Esq.,
B.A., M.D., Dublin. |
| IN SURGERY,
<i>Friday, 30th.</i>
<i>10 a.m.</i> | } | T. NUNNELEY, Esq.,
F.R.C.S., Surgeon to the General In-
firmery at Leeds. |
-

These Addresses will be delivered in the Lecture Theatre of the Philosophical Hall, Park Row.

RECEPTION ROOM.

A room will be opened in the Philosophical Hall, Park Row, as a reception room, *on Tuesday, July 27th, at 10 a.m., and on the following days at 8 a.m.*, for the issue of tickets to Members, and for supplying lists and prices of lodgings, and other information.

Members are requested to proceed direct to this room immediately on their arrival, to enter their names and addresses, and to obtain the tickets necessary to secure admission to all the proceedings.

Letters, Parcels, &c., may be left in this room, in care of the clerks.

Arrangements will be made for the receipt and postage of letters in this room.

The General Post Office and the several Telegraph Offices are in Park Row, close at hand.

EDITORS' AND SECRETARIES' ROOM.

A room, in the Town Hall, will be provided for the use of the Editors and the General and Local Secretaries.

Gentlemen wishing to communicate with these Officials are requested to make application in this room.

LODGINGS.

Members requiring private lodgings are requested to make known their wishes in the Reception Room.

HOTELS.

The following are the principal Hotels in the town ; those at the head of the list being the most commodious.—

The Queen's, attached to the Wellington Station.

Great Northern Station Hotel, attached to the Central Station.

The White Horse, Boar Lane.

The Victoria, Great George Street, close to the Town Hall.

The Bull and Mouth, Briggate.

Gill's West Riding Hotel, Wellington Street.

Andrews' Boarding House (Temperance) 20, Park Place.

Beecroft's Hotel, Bishopgate Street.

The Golden Lion, Briggate.

 RESTAURANTS.

Powolny, Bond Street.

Wood, Commercial Street.

Harrison, Briggate.

 PLACES OF MEETING.

All Council and Sectional Meetings will be held in the Town Hall.

The General Addresses will be delivered in the Lecture Theatre of the Philosophical Hall.

The Annual Public Breakfast, the Annual Public Dinner, and the President's Soiree, will be held in the Victoria Hall, Town Hall.

A *Conversazione* will be given by Dr. HEATON, the President of the Leeds Literary and Philosophical Society, in the rooms of that Institution, *on the Evening of Friday, July 30th.*

The Annual Museum and the Annual Library, together with the Exhibition of Surgical Instruments, will be held in the Leeds School of Medicine, Park Street, close to the Infirmary.

NOTICES OF MOTIONS.

The following Notices have been given :—

Dr. DAVEY : To alter Law VIII, by substituting the word “twenty” for “ten” members, to be elected members of the Committee of Council.

Mr. GAMGEE : That a Committee be appointed to inquire into the income and expenditure of the British Medical Association, with a view to ascertain if its resources admit of being more efficiently employed, than they now are, for the advancement of science and for the promotion of the material and social interests of the medical profession.

The Rev. Dr. BELL has given the following notices :—

1. To move that, if the first general Meeting for business be held in the evening, it be adjourned at ten o'clock, if the business be not concluded by that hour.

2. To call attention to the “Financial Statement” given in the JOURNAL of 17th April : (*a*) in relation to the items of expenditure and income in the publication of the JOURNAL ; (*b*) the stipends of the officers, especially that of the General Secretary.

3. To ask, in reference to the Meeting of the Committee of Council of 9th June, 1869, second resolution (*a*) whether the cheque books of the Local Secretaries, as well as of the General Secretary, be included in the audit; (*b*) in whose name the General Secretary keeps the banking account of subscriptions received by him.

4. To move that the ten (or twenty, according to Dr. Davey's notice) elected members of the Committee of Council, be not eligible for re-election, after serving two (or three) years, in greater number than one-half, until they have been non-members for a like period.*

5. To draw attention to the propriety of not electing an Editor of the JOURNAL on the eve of the Annual General Meeting, and making arrangements for alterations in the JOURNAL;† also to the advisability of nominating at the previous General Annual Meeting the Gentlemen who are to read Addresses at the next Annual Meeting.

6. To suggest that the Notices of Motion for the General Annual Meeting be sent direct to the Editor instead of through the General Secretary.

DR. ARTHUR LEARED: To consider the expediency of discontinuing the present system of having anonymous leading articles in the *British Medical Journal*.

* This is an alteration of one of the Laws of the Association, and therefore cannot be brought forward without giving two months' notice, in accordance with Law 21:—

"Any member wishing to propose a new law, or an alteration of an existing law, must send notice to the Secretary at least *two* months previous to the annual meeting, and specify the change proposed. The Secretary shall immediately cause such notice to be published in the JOURNAL, which publication shall be repeated three times at least, and it shall be announced in the Report of the Council."—T. W. W.

† This is already provided for by a resolution of the Committee of Council, passed at their meeting on June 9th. The election of Editor will take place after the Leeds Meeting, at a time to be there announced.—T. W. W.

SECTION C.—MIDWIFERY.

<i>President.</i>	... ARTHUR FARRE, M.D., F.R.S.
<i>Vice-Presidents.</i>	... { S. BERRY, L.R.C.P., F.R.C.S. W. O. PRIESTLEY, M.D.
<i>Secretaries.</i>	... { G. H. KIDD, M.D. J. THORBURN, M.D.

SECTION D.—PHYSIOLOGY.

<i>President.</i>	... J. HUGHES BENNETT, M.D., F.R.S.
<i>Vice-Presidents.</i>	... { LIONEL S. BEALE, M.B., F.R.S. A. T. H. WATERS, M.D.
<i>Secretaries.</i>	... { E. CHAPMAN, M.A. H. POWER, M.B.

SECTION E.—PUBLIC MEDICINE.

<i>President.</i>	... W. FARR, M.D., D.C.L., F.R.S.
<i>Vice-Presidents.</i>	... { E. D. MAPOTHER, M.D. A. P. STEWART, M.D.
<i>Secretaries.</i>	... { G. H. PHILIPSON, M.D. A. WILTSHIRE, M.D.

Local Secretaries:

- T. CLIFFORD ALLBUTT, M.A., M.D., 38, *Park Square.*
- J. E. EDDISON, M.D., 19, *Park Square.*
- C. G. WHEELHOUSE, 42, *Park Square.*
- JAS. SEATON, *North Street.*
- JNO. A. NUNNELEY, 22, *Park Place.*

Local Treasurer:

- J. D. HEATON, M.D., F.R.C.P.

ORDER OF DAILY PROCEEDINGS.

—
Tuesday, July 27th.

- 1 P.M.—MEETING OF COMMITTEE OF COUNCIL—Council Chamber, Town Hall.
- 3 P.M.—MEETING OF GENERAL COUNCIL.—Council Chamber, Town Hall.
- 8 P.M.—FIRST GENERAL MEETING—Lecture Room, Philosophical Hall.—The retiring President, Professor ACLAND, M.D., F.R.S., will resign his office.

THE NEW PRESIDENT, DR. CHADWICK,
WILL DELIVER HIS INAUGURAL ADDRESS.

The Council's Report will be read, and discussion taken thereon.—Election of General Secretary.—Election of Auditors.—The Report of the Medical Benevolent Fund will be read.—Any Motions of which notice may have been given.

Wednesday, July 28th.

8.30 A.M.—PUBLIC BREAKFAST of the Association.—Victoria Hall, Town Hall.

9.30 A.M.—MEETING OF NEW COUNCIL—Council Chamber, Town Hall.—Special business : To elect new President of the Council.

10.30 A.M.—MEETING OF COMMITTEE FOR REGISTRATION OF DISEASE.—Town Hall.

11 A.M.—SECOND GENERAL MEETING.—Lecture Room, Philosophical Hall.—Appoint Place of Meeting in 1870, and President-elect.

12 A.M.—

ADDRESS IN MEDICINE,

SIR W. JENNER, BART., M.D., F.R.S.

Lecture Room, Philosophical Hall.

2 P.M.—MEETINGS OF SECTIONS—Town Hall.—Adjourn at 5.30.

9 P.M.—President's *Soiree*—Victoria Hall, Town Hall.

Thursday, July 29th.

9.30 A.M.—MEETING OF COMMITTEE on State Medicine.

10 A.M.—THIRD GENERAL MEETING.—Philosophical Hall.
—Reports of Committees—Dr. E. Waters will present a Report from the Representative Committee—Captain Galton's paper on Hospital Construction, with discussion.

2 P.M.—

ADDRESS IN MIDWIFERY,

DR. BEATTY.

Lecture Room, Philosophical Hall.

3 P.M.—MEETING OF SECTIONS—Town Hall.—Adjourn at 5.30.

The Meeting of the Public Medicine Section will be a Special One, for Papers and Discussions on the Sanitary Administration of the United Kingdom.

6 P.M.—PUBLIC DINNER of the Association—Victoria Hall, Town Hall.

Friday, July 30th.

10 A.M.—FOURTH GENERAL MEETING.—

ADDRESS IN SURGERY,

THOMAS NUNNELEY, ESQ., F.R.C.S

Lecture Room, Philosophical Hall.

11 A.M.—MEETINGS OF SECTIONS—Town Hall.

3.30 P.M.—CONCLUDING GENERAL MEETING—Council
Chamber, Town Hall.

9 P.M.—CONVERSAZIONE—Philosophical Hall.

NOTICES WITH RESPECT TO PAPERS.

No paper shall occupy more than *twenty* minutes in delivery.

Subsequent speakers will not be permitted to exceed *ten* minutes, except under special circumstances.

Authors are requested to prepare beforehand short abstracts of their papers for publication. The papers (and abstracts) read in the different Sections are to be handed to the Secretaries of the Sections for publication in the Journal of the Association.

If, owing to the want of space, any papers read cannot be printed in the Journal, they will be returned on application to the office, 37, Great Queen Street, London, W.C.

LIST OF PAPERS PROMISED.

- 1.—TAIT, LAWSON, L.R.C.P., ED.
 " On fungus tumour of the Dura Mater."
 " On Ideo-Muscular Contraction."
- 2.—TAYLOR, R. HIBBERT, M.D.
 " A case of poisoning with Extract of Belladonna,
 with detailed account of Post Mortem appearances."
- 3.—SQUIRE, WM., L.R.C.P.
 " On the temperature variations occasioned by Vaccination,
 and its effects on the health of infants."
- 4.—MYRTLE, A. S., M.D.
 " On Hydro-therapeutics ; the resources of Harrogate
 specially considered."
- 5.—JACKSON, VINCENT, M.R.C.S.
 " On the Hypodermic Administration of Alcoholic
 Stimulants."
- 6.—FOX, C. B., M.D.
 " Remarks on Ear-cough, and its mode of production."
- 7.—FOTHERGILL, J. M., M.D.
 " On Uræmic Diarrhœa."
- 8.—ANSTIE, DR.
 " On the limits of stimulation in disease."
- 9.—REYNOLDS, J. R., M.D., F.R.S.
 1.—" Certain forms of Paralysis, depending on Idea."
 2.—" Treatment of Rheumatic Fever by Perchloride
 of Iron."

10.—SANDERSON, J. B., M.D.

1.—“On the Practical and Pathological Bearing of Recent Researches as to the Artificial Production of Tubercle.”

2.—“On the Various Methods of Measuring and Recording the Movements of the Chest, for the purposes of Clinical Observation.”

11.—HEY, S., F.R.C.S.

“On the beneficial results of undesigned and accidental Hæmorrhage in certain cases.”

12.—LITTLE, P. C., F.R.C.S.I.

“On railway and other accidents; with cases and observations.”

13.—BIRKETT, JNO., F.R.C.S.

“On the causes of death after amputations of the limbs in Hospitals.”

14.—WHEELHOUSE, C. G., F.R.C.S.

“On the use of the Probe Dilator in operations involving the posterior portion of the urethra.”

15.—TEALE, T. PRIDGIN, M.A., F.R.C.S.

“A demonstration of Rectangular Stumps.”

16.—HICKS, J. B., M.D., F.R.S.

“On the use of the Intra-uterine Douche in Offensive Lochia, as a rule of practice.”

“Cases showing the use of Perchloride of Iron in flooding.”

17.—BLANC, H., M.D.

“On Animal Vaccination.”

18.—PLAYFAIR, W. S., M.D.

“On the Treatment of Chronic Uterine Catarrh.”

- 19.—HEMINGWAY, C. A., M.R.C.S.
 “On the Reduction of Compound Fracture, with
 Protrusion of Bone, by the Use of the Lever.”
- 20.—ANDERSON, M'CALL, M.D.
 “On some of the more recent Methods of Treating
 certain Diseases of the Skin.”
- 21.—BROADBENT, W. H., M.D.
 “A brief account of a recent Investigation of the
 Structure of the Cerebral Hemisphere, with remarks.”
- 22.—BALLARD, EDWARD, M.D.
 “On the evils arising from the present mode of taking
 Medical and Scientific Evidence in our Courts of Justice.”
- 23.—CUMMING, JAMES, M.D.
 “On some points in the Pathology of Delirium
 Tremens.”
- 24.—RENDLE, RICHARD, M.R.C.S.
 “On the Use of Protoxide of Nitrogen in General
 Surgery, and on a New Mode of Producing Rapid
 Anæsthesia.”
- 25.—COOTE, HOLMES, F.R.C.S.
 “On Hospitalism.”
- 26.—HOLMES, T., F.R.C.S.
 “On Hospitalism.”
- 27.—TREVAN, W. F., B.A., F.R.C.S.
 “On the Early Detection and Treatment of Stricture
 of the Urethra.”
- 28.—MERIC, DE VICTOR, M.D., F.R.C.S.
 “On cases of Syphilitic Affection of the Third Nerve,
 producing Mydriasis with and without Ptosis.”

- 29.—LUND, EDWARD, F.R.C.S.
 “On the Use of Antiseptic Cere-Cloth for Covering Wounds.”
- 30.—STOKES, W., JUNR., M.D.
 “On Temporary Deligation of the Abdominal Aorta.”
- 31.—STOKES, W. JUN., M.D.
 “On a New Operation for Hare Lip.”
- 32.—GAYLOR, E., L.R.C.P.
 “On the Professional and Commercial abuses of the Club System.”
- 33.—HESLOP, T. P., M.D.
 “How do the sick children of the poor obtain Medical Attendance?”
- 34.—ELLIOT, R., M.D.
 “Does the adjustment of the eye, to vision at different distances, depend on temporary changes in the magnifying power of the eye, either by alterations in the form or position of the lens, or other parts in the dioptric system of the eye?”
- 35.—ELLIOT, R., M.D.
 “Do the movements of the Iris, by permitting only the more central and practically parallel rays of the optic cone or pencil of light, to reach the fovea centralis, on the anterior surface of the sensitive layer of rods and bulbs,—and by thus affording a sharp and well defined image of an object, whether near or far off—not perfectly explain the voluntary power of adjusting the eye to the distinct vision of objects at various distances?”

36.—ROBERTSON, W. H., M.D.

“Commentary on the Report of the Edinburgh Committee of the British Medical Association, entitled,— ‘Researches into the action of Mercury, Podophyllin, and Taraxacum, on the Biliary Secretion,’ by Jno. Hughes Bennett, M.D., F.R.S.E., Chairman and Reporter; Extracted from the Report of the British Association for 1868.”

37.—ROBERTSON, W. H., M.D.

“The Nitrogenous Tepid Waters of Buxton.”

38.—NICHOLSON, D., M.D.

“On the Body Weight and Urea in a case of Starvation.”

39.—PHILIPSON, G. H., M.D.

“On the Registration of Diseases.”

40.—TAYLOR, C. B., M.D.

“Brief Notes (on Cataract Extraction) from Berlin, Wiesbaden, and Utrecht.”

41.—PROTHEROE SMITH, M.D.

“An Aid to Parturition, and to the Treatment of Displacement of the Uterus by a new Mechanical Appliance.”

42.—JESSOP, T. R., F.R.C.S.

“Short Notice of a fatal case of Emphysema, produced by violent Screaming.”

43.—LAND, R. T., M.D.

“A case of Femoral Aneurism successfully treated by Ligature of the External Iliac Artery.”

44.—MOORE, C. H., F.R.C.S.

“On certain causes of Mammary Cancer.”

- 45.—LEE, HENRY, F.R.C.S.
 “On Albumen in the Urine after Surgical Operations.”
- 46.—DYKE, T. J., F.R.C.S.
 “On the Practical Working of the Sanitary Act of 1866, and the Diseases Prevention Act of 1865.”
- 47.—ROUTH, C. H. F., M.D.
 “On the Treatment of certain forms of Uterine Cancer.”
- 48.—WALLACE, J., M.D.
 “On Hydrothorax and Empyema ; Thoracentesis and forcible extraction of the Fluid by Suction ; with cases.”
- 49.—MORIARTY, T. B., Staff-Surgeon.
 “On the Absence of Typhus and Typhoid Fever in Tropical Africa.”
- 50.—MACLEOD, G. H. B., M.D.
 “On Amputation at the Ankle-joint.”
- 51.—MACLEOD, G. H. B., M.D.
 “On the Immediate Treatment of Stricture.”
- 52.—SOUTHAM, G., F.R.C.S.
 “On some of the Advantages of Tapping in the Treatment of Ovarian Tumours.”
- 53.—FOX, C. B., M.D.
 “Remarks on Clinical Thermometers.”
- 54.—MULVANY, JOHN, M.D., R.N.
 “On Oleum Petrolii as a Medicinal Agent.”
- 55.—BRAIDWOOD, P. M., M.D.
 “On Animal Vaccination.”
- 56.—T. CLIFFORD ALLEBUTT, M.A., M.D.
 “On the propagation of enteric Fever.”

57.—MULVANY, J., M.D.

“On Permanganate of Potassa in Neuralgia and Crude Tubercle.”

58.—BRAITHWAITE, JAMES, M.D.

“On a mode of applying the Midwifery Forceps productive of less pain to, and disturbance of, the Patient, than that usually adopted.”

59.—W. P. BAIN, M.D.

“On a Portable Spirometer, with a short demonstration of the different modes of Artificial Respiration.”

60.—J. R. LEAKE, M.R.C.S.

“On the Treatment of Palpitation with Delirium by Digitalis.”

61.—G. OLIVER, M.B.

“The atmosphere of Towns in its sanitary aspect.”

62.—STEELE, A. B., L.K. & Q.C.P.I.

“On the Comparative Protective Powers of Animal and Human Vaccine Lymph.”

63.—MURRAY, W., M.D.

“On a Case of False Anus, treated by a new and successful method.”

64.—BENNETT, J. HUGHES, M.D.

“On experiments to determine the effects of Mercurial Preparations and various Irritants to the origin of the Gall-duct in the Duodenum.”

65.—BENNETT, J. HUGHES, M.D.

“On the Historical Argument opposed to the existence of Atmospheric Germs.”

66.—RUTHERFORD, W., M.D.

“On some Electrical Apparatus for Therapeutical purposes.”

- 67.—BASTIAN, CHARLTON, M.D.
 “Notes on the Pathology and Treatment of Chorea.”
- 68.—ANSTIE, F. E., M.D.
 “On the Principles of so-called Counter-irritation.”
- 69.—WALLACE, J., M.D.
 “On the Treatment of Eclampsia or Puerperal Convulsions by Chloroform, manual Dilatation of Os Uteri, and speedy delivery, with Cases.”
- 70.—PROCTER, W. B., F.R.C.S.
 “On the Infant Mortality of Bradford.”
- 71.—BATEMAN, F., M.D.
 “Is it proper that Medical Men should be compelled to divulge in Courts of Justice, facts of a criminal nature which may have become known to them in answer to strictly professional questions?”
- 72.—J. B. TUKE, M.D.
 “On the Morbid Appearances met with in the Brain of the Insane.”
- 73.—E. BALLARD, M.D.
 “The Defects of the Sanitary Acts.”
- 74.—T. DAVIES, M.R.C.S.
 “Four Years’ Experience as a Health Officer in Bristol.”



ANNUAL MUSEUM.

LEEDS SCHOOL OF MEDICINE—PARK STREET.

Annual Museum: Notice to Exhibitors.—Rooms will be provided at the School of Medicine for the Museum, in which it is intended to exhibit all new objects of interest to the profession, such as: 1. New Instruments and Appliances in Medicine and Surgery. 2. New Drugs and new Preparations. 3. New Books—English and Foreign. 4. Pathological Preparations. 5. Photographs, Drawings, Casts, and Models of Pathological Specimens. 6. Models of New Inventions relating to Public Health, etc. 7. New Preparations of Food. The Museum will be opened on Tuesday Morning the 27th, and will remain open until the Evening of Friday the 30th. All objects intended for exhibition must be addressed "*Care of Dr. Eddison, the School of Medicine, Leeds.*" and be delivered on or before Monday the 19th, and must be removed from the Museum on Saturday, the 31st July, or not later than Monday, the 2nd of August. No object can be exhibited unless it is accompanied by a written or printed description, and a short reference for insertion in the Catalogue. Intending Exhibitors are requested to apply to Dr. Eddison for any information they require, and to inform him as soon as possible what they intend to exhibit, and how much space they are likely to need. In case any members prefer bringing preparations with them, they are particularly requested to forward short descriptions beforehand, in order that they may appear in the Catalogue. Adequate space and the necessary fittings for properly exhibiting the objects sent will be provided; but all expenses connected with packing and carriage, and all risk from injury or loss, must be borne by the Exhibitors.

DRAWINGS, PHOTOGRAPHS, &c.

-
- 1 Photograph of Case of so-called Muscular Paralysis,
with Hypertrophy.
DR. CLIFFORD ALBUTT.
- 2 Drawings and Photographs illustrating Animal Vac-
cination.
DR. H. BLANC.
- 3 Photographs of Stumps, showing the Results of
Rectangular flap Operations.
- 4 Casts of Stumps after the same Operation.
MR. T. P. TEALE.
- 5 Coloured Drawings, illustrating the principal forms of
Syphilis ; in eight groups.
MR. VICTOR DE MERIC.
- 6 Photographs of a fatal case of Elephantiasis Græco-
rum, occurring in England.
MR. T. NUNNELEY.

PATHOLOGICAL PREPARATIONS.

-
- 7 Case of Hermaphroditism.
 - 8 Peculiar Disease of the Crainial and Hyoid Bones.
 - 9 Transverse Section of Fibula, from same case.
 - 10 Cast of Head, ,,
 - 11 Sketch from Life, ,,
 - 12 Plate—Anterior View, ,,
 - 13 Plate—Base of Skull, ,,

LIVERPOOL ROYAL INFIRMARY SCHOOL OF MEDICINE.

- 14 Cast of Section of Right Kidney.
- 15 ,, Monstrosity.
- 16 ,, Intus-susception of Colon in a Child.
- 17 ,, Lobulated Kidney.
- 18 ,, Portion of Ileum—Enteric Fever.
- 19 ,, Fibrous nasal Polypus.
- 20 ,, peri-typhlitic Abscess, with part of Liver from same case.
- 21 ,, Peyer's Glands—Enteric Fever.
- 22 ,, Left Cerebral Hemisphere, from a case of Aphasia.
- 23 Aneurism of Abdominal Aorta.

DR. MCLAREN.

- 24-6 Three Casts of Heads of Children delivered by the Cephalotribe.—DR. KIDD.

27 Skull Cap, showing the effects of Hydrocephalic Pressure, after the Sutures had been firmly united.

DR. W. MURRAY.

28-9 Two examples of Colles' Fracture of the Left Wrist.

MR. VINCENT JACKSON.

30 Calculus removed from the Female Bladder without Incision.

31 Sequestrum from Upper Jaw of a Child.

32 Model of the same Jaw after Recovery.

MR. HEMINGWAY.

33 Biliary Calculus, with Photograph.—MR. WILLIAMS.

34-5 Two Preparations from a case in which the External Iliac was tied.

36-7 Five Specimens of Fractured Spine.

38-40 Three Calculi.

MR. NUNNELEY



PREPARATIONS SELECTED FROM THE MUSEUM OF
THE LEEDS SCHOOL OF MEDICINE.

- 41 Series of Anatomical Preparations—Human.
42 " " " " Comparative.
- PATHOLOGY.**
- 43 Dislocation of first Lumbar Vertebra (T. P. Teale).
1054
44 Scrofulous Kidney, containing Calculi (Chadwick).
1057
45 Brain, 'with sub-arachnoid effusion of blood
(Wheelhouse). 1064
46 Clot of blood upon Dura Mater (Wheelhouse). 1126
47 Trachea and Bronchi filled with peas (C. J. Wright).
1139
48 Large dilated right Kidney (Trehwella). 1188
49 Aneurism of Axillary Artery, Ligature of Sub-clavian
(Wheelhouse). 1197
50 Deposit of Cancer in Intestine (Allbutt). 1233
51 Caries of Foot (S. Hey). 1342
52 Fibro Muscular tumours of Uterus (Jessop). 1350
53 Stomach, after poisoning by prussic acid (Nunneley).
1363
54 Ulcer from front of knee (Nunneley). 1364
55 Enchondroma of foot, with Photograph of Patient
after amputation (S. Hey). 1380
- URINARY CALCULI.**
- 56 Prostatic—Recovery (S. Smith). 4
57 Oxalate of Lime, remarkable for its crystalline sur-
face—Death (S. Smith). 41

- 58 Oxalate of Lime, coated with Lithic Acid (?)—
Recovery (W. Hey).
- 59 Cystic Oxide, being an exact cast of the bladder,
remarkable for size and hardness—Death
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BRITISH MEDICAL ASSOCIATION,

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DAILY JOURNAL.

NO. I.

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SECTION E.—PUBLIC MEDICINE.—*President*—W. FARR, M.D., D.C.L., F.R.S.

Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

Local Secretaries:—T. CLIFFORD ALLBUTT, M.A., M.D., 38, *Park Square.*

J. E. EDDISON, M.D., 19, *Park Square.*

C. G. WHEELHOUSE, 42, *Park Square.*

JAS. SEATON, *North Street.*

JNO. A. NUNNELEY, 22, *Park Place.*

Local Treasurer:—J. D. HEATON, M.D., F.R.C.P.

Meetings to-day, Tuesday, July 27th.

10 A.M.—MEETING OF COMMITTEE OF REFERENCE.—Council Chamber, Town Hall.

11.30 A.M.—MEETING OF FINANCE COMMITTEE.—Council Chamber, Town Hall.

1 P.M.—MEETING OF COMMITTEE OF COUNCIL.—Council Chamber, Town Hall.

3 P.M.—MEETING OF GENERAL COUNCIL.—Council Chamber, Town Hall.

8 P.M.—First General Meeting.—Lecture Room, Philosophical Hall.—The retiring President, Professor ACLAND, M.D., F.R.S., will resign his office; the New President, DR. CHADWICK, will deliver his Inaugural Address.

The Council's Report will be read and discussed.—Election of General Secretary.—Election of Auditors.—The Report of the Medical Benevolent Fund will be read.—Any Motions of which notice has been given will be considered.

The following NOTICES OF MOTIONS have been given.

Dr. DAVEY : To alter Law VIII, by substituting the word "twenty" for "ten" members, to be elected members of the Committee of Council.

Mr. GAMGEE : That a Committee be appointed to inquire into the income and expenditure of the British Medical Association, with a view to ascertain if its resources admit of being more efficiently employed, than they now are, for the advancement of science and for the promotion of the material and social interests of the medical profession.

The Rev. Dr. BELL has given the following notices :—

1. To move that, if the first general Meeting for business be held in the evening, it be adjourned at ten o'clock, if the business be not concluded by that hour.

2. To call attention to the "Financial Statement" given in the JOURNAL of 17th April : (a) in relation to the items of expenditure and income in the publication of the JOURNAL; (b) the stipends of the officers, especially that of the General Secretary.

3. To ask, in reference to the Meeting of the Committee of Council of 9th June, 1869, second resolution (a) whether the cheque books of the Local Secretaries, as well as of the General Secretary, be included in the audit; (b) in whose name the General Secretary keeps the banking account of subscriptions received by him.

4. To move that the ten (or twenty, according to Dr. Davey's notice) elected members of the Committee of Council, be not eligible for re-election, after serving two (or three) years, in greater number than one-half, until they have been non-members for a like period.*

5. To draw attention to the propriety of not electing an Editor of the JOURNAL on the eve of the Annual General Meeting, and making arrangements for alterations in the JOURNAL;† also to the advisability of nominating at the previous General Annual Meeting the Gentlemen who are to read Addresses at the next Annual Meeting.

* This is an alteration of one of the Laws of the Association, and therefore cannot be brought forward without giving two months' notice, in accordance with Law 21 :—

"Any member wishing to propose a new law, or an alteration of an existing law, must send notice to the Secretary at least two months previous to the annual meeting, and specify the change proposed. The Secretary shall immediately cause such notice to be published in the JOURNAL, which publication shall be repeated three times at least, and it shall be announced in the Report of the Council."—T. W. W.

† This is already provided for by a resolution of the Committee of Council, passed at their meeting on June 9th. The election of Editor will take place after the Leeds Meeting, at a time to be there announced.—T. W. W.

6. To suggest that the Notices of Motion for the General Annual Meeting be sent direct to the Editor instead of through the General Secretary.

DR. ARTHUR LEARED: To consider the expediency of discontinuing the present system of having anonymous leading articles in the *British Medical Journal*.

Meetings to-morrow, Wednesday, July 28th.

- 8.30 A.M.—PUBLIC BREAKFAST of the Association.—Victoria Hall, Town Hall.
Tickets may be obtained in the Reception Room.
- 9.30 A.M.—MEETING OF NEW COUNCIL—Council Chamber, Town Hall.—Special business: To elect new President of the Council.
- 10.30 A.M.—MEETING OF COMMITTEE FOR REGISTRATION OF DISEASE.—West-Riding Magistrates' Room, Town Hall.
- 11 A.M.—Second General Meeting.—Lecture Room, Philosophical Hall.—Appoint Place of Meeting in 1870, and President-elect.
- 12 A.M.—ADDRESS IN MEDICINE, Sir W. Jenner, Bart., M.D., F.R.S.—Lecture Room, Philosophical Hall.
- 2 P.M.—MEETINGS OF SECTIONS—Town Hall.—Adjourn at 5.30.
- 9 P.M.—President's *Soiree*—Victoria Hall, Town Hall.

Meetings on Thursday, July 29th.

- 9.30 A.M.—MEETING OF COMMITTEE on State Medicine.—West-Riding Magistrates' Room, Town Hall.
SPECIAL AND IMPORTANT BUSINESS.—Report; Memorial to Government; Schedules of Questions; Ways and Means, &c.
- 10 A.M.—Third General Meeting.—Philosophical Hall.—Reports of Committees—Dr. E. Waters will present a Report from the Representation Committee—Captain Galton's paper on Hospital Construction, with discussion.
- 2 P.M.—ADDRESS IN MIDWIFERY, Dr. Beatty.—Lecture Room, Philosophical Hall.
- 3 P.M.—MEETING OF SECTIONS—Town Hall.—Adjourn at 5.30.
The Meeting of the State Medicine Section will be a Special One for Papers and Discussions on the Sanitary Administration of the United Kingdom.
- 6 P.M.—PUBLIC DINNER of the Association—Victoria Hall, Town Hall, Member's will assemble in the Mayor's Rooms. Tickets may be had in the Reception Room.

Meetings on Friday, July 30th.

- 10 A.M.—Fourth General Meeting.—ADDRESS IN SURGERY, Thomas Nunneley, Esq., F.R.C.S.—Lecture Room, Philosophical Hall.
- 11 A.M.—MEETINGS OF SECTIONS—Town Hall.
- 3.30 P.M.—CONCLUDING GENERAL MEETING—Council Chamber, Town Hall.
- 9 P.M.—CONVERSAZIONE—Philosophical Hall.

PAPERS TO BE READ.

*In the Journals for Wednesday, Thursday, and Friday, each Paper will
be placed in its proper Section.*

- 1.—TAIT, LAWSON, L.R.C.P., ED. : "On fungus tumour of the Dura Mater ;"
"On Ideo-Muscular Contraction."
- 2.—TAYLOR, R. HIBBERT, M.D. : "A case of poisoning with Extract of Bella-
donna, with detailed account of Post Mortem appearances."
- 3.—SQUIRE, WM., L.R.C.P. : "On the temperature variations occasioned by Vacci-
nation, and its effects on the health of infants."
- 4.—MYRTLE, A. S., M.D. : "On Hydro-therapeutics ; the resources of Harrogate
specially considered."
- 5.—JACKSON, VINCENT, M.R.C.S. : "On the Hypodermic Administration of
Alcoholic Stimulants."
- 6.—FOX, C. B., M.D. : "Remarks on Ear-cough, and its mode of production."
- 7.—FOTHERGILL, J. M., M.D. : "On Uræmic Diarrhœa."
- 8.—ANSTIE, DR. : "On the limits of stimulation in disease."
- 9.—REYNOLDS, J. R., M.D., F.R.S. : 1.—"Certain forms of Paralysis, depend-
ing on Idea ;" 2.—"Treatment of Rheumatic Fever by Perchloride of Iron."
- 10.—SANDERSON, J. B, M.D. : 1. "On the Practical and Pathological Bearing
of Recent Researches as to the Artificial Production of Tubercle ;"
2. "On the Various Methods of Measuring and Recording the Move-
ments of the Chest, for the purposes of Clinical Observation."
- 11.—HEY, S., F.R.C.S. : "On the beneficial results of undesigned and accidental
Hæmorrhage in certain cases."
- 12.—LITTLE, P. C., F.R.C.S.I. : "On railway and other accidents ; with cases
and observations."
- 13.—BIRKETT, JNO., F.R.C.S. : "On the causes of death after amputations of
the limbs in Hospitals."
- 14.—WHEELHOUSE, C. G., F.R.C.S. : "On the use of the Probe Dilator in
operations involving the posterior portion of the urethra."
- 15.—TEALE, T. PRIDGIN, M.A., F.R.C.S. : "A demonstration of Rectangular
Stumps."
- 16.—HICKS, J. B., M.D., F.R.S. : "On the use of the Intra-uterine Douche in
Offensive Lochia, as a rule of practice."—"Cases showing the use of
Perchloride of Iron in flooding."
- 17.—BLANC, H., M.D. : "On Animal Vaccination."
- 18.—PLAYFAIR, W. S., M.D. : "On the Treatment of Chronic Uterine Catarrh."
- 19.—HEMINGWAY, C. A., M.R.C.S. : "On the Reduction of Compound Fracture,
with Protrusion of Bone, by the Use of the Lever."

- 20.—ANDERSON, M'CALL, M.D.: "On some of the more recent Methods of Treating certain Diseases of the Skin."
- 21.—BROADBENT, W. H., M.D.: "A brief account of a recent Investigation of the Structure of the Cerebral Hemisphere, with remarks."
- 22.—BALLARD, EDWARD, M.D.: "On the evils arising from the present mode of taking Medical and Scientific Evidence in our Courts of Justice."
- 23.—CUMMING, JAMES, M.D.: "On some points in the Pathology of Delirium Tremens."
- 24.—RENDLE, RICHARD, M.R.C.S.: "On the Use of Protoxide of Nitrogen in General Surgery, and on a New Mode of Producing Rapid Anæsthesia."
- 25.—COOTE, HOLMES, F.R.C.S.: "On Hospitalism."
- 26.—HOLMES, T., F.R.C.S.: "On Hospitalism."
- 27.—TREVAN, W. F., B.A., F.R.C.S.: "On the Early Detection and Treatment of Stricture of the Urethra."
- 28.—MERIC, DE VICTOR, M.D., F.R.C.S.: "On cases of Syphilitic Affection of the Third Nerve, producing Mydriasis with and without Ptosis."
- 29.—LUND, EDWARD, F.R.C.S.: "On the Use of Antiseptic Cere-Cloth for Covering Wounds."
- 30.—STOKES, W., JUNR., M.D.: "On Temporary Deligitation of the Abdominal Aorta."
- 31.—STOKES, W. JUNR., M.D.: "On a New Operation for Hare Lip."
- 32.—GAYLOR, E., L.R.C.P.: "On the Professional and Commercial abuses of the Club System."
- 33.—HESLOP, T. P., M.D.: "How do the sick children of the poor obtain Medical Attendance?"
- 34.—ELLIOT, R., M.D.: "Does the adjustment of the eye, to vision at different distances, depend on temporary changes in the magnifying power of the eye, either by alterations in the form or position of the lens, or other parts in the dioptric system of the eye?"
- 35.—ELLIOT, R., M.D.: "Do the movements of the Iris, by permitting only the more central and practically parallel rays of the optic cone or pencil of light, to reach the fovea centralis, on the anterior surface of the sensitive layer of rods and bulbs,—and by thus affording a sharp and well defined image of an object, whether near or far off—not perfectly explain the voluntary power of adjusting the eye to the distinct vision of objects at various distances?"
- 36.—ROBERTSON, W. H., M.D.: "Commentary on the Report of the Edinburgh Committee of the British Medical Association, entitled,—'Researches into the action of Mercury, Podophyllin, and Taraxacum, on the Biliary Secretion,' by Jno. Hughes Bennett, M.D., F.R.S.E., Chairman and Reporter; Extracted from the Report of the British Association for 1868."
- 37.—ROBERTSON, W. H., M.D.: "The Nitrogenous Tepid Waters of Buxton."
- 38.—NICHOLSON, D., M.D.: "On the Body Weight and Urea in a case of Starvation."

- 39.—PHILIPSON, G. H., M.D. : "On the Registration of Diseases."
- 40.—TAYLOR, C. B., M.D. : "Brief Notes (on Cataract Extraction) from Berlin, Wiesbaden, and Utrecht."
- 41.—PROTHEROE SMITH, M.D. : "An Aid to Parturition, and to the Treatment of Displacement of the Uterus by a new Mechanical Appliance."
- 42.—JESSOP, T. R., F.R.C.S. : "Short Notice of a fatal case of Emphysema, produced by violent Screaming."
- 43.—LAND, R. T., M.D. : "A case of Femoral Aneurism successfully treated by Ligature of the External Iliac Artery."
- 44.—MOORE, C. H., F.R.C.S. : "On certain causes of Mammary Cancer."
- 45.—LEE, HENRY, F.R.C.S. : "On Albumen in the Urine after Surgical Operations."
- 46.—DYKE, T. J., F.R.C.S. : "On the Practical Working of the Sanitary Act of 1866, and the Diseases Prevention Act of 1865."
- 47.—ROUTH, C. H. F., M.D. : "On the Treatment of certain forms of Uterine Cancer."
- 48.—WALLACE, J., M.D. : "On Hydrothorax and Empyema ; Thoracentesis and forcible extraction of the Fluid by Suction ; with cases."
- 49.—MORIARTY, T. B., Staff-Surgeon : "On the Absence of Typhus and Typhoid Fever in Tropical Africa."
- 50.—MACLEOD, G. H. B., M.D. : "On Amputation at the Ankle-joint."
- 51.—MACLEOD, G. H. B., M.D. : "On the Immediate Treatment of Stricture."
- 52.—SOUTHAM, G., F.R.C.S. : "On some of the Advantages of Tapping in the Treatment of Ovarian Tumours."
- 53.—FOX, C. B., M.D. : "Remarks on Clinical Thermometers."
- 54.—MULVANY, JOHN, M.D., R.N. : "On Oleum Petrolii as a Medicinal Agent."
- 55.—BRAIDWOOD, P. M., M.D. : "On Animal Vaccination."
- 56.—T. CLIFFORD ALBUTT, M.A., M.D. : "On the propagation of enteric Fever."
- 57.—MULVANY, J., M.D. : "On Permanganate of Potassa in Neuralgia and Crude Tubercle."
- 58.—BRAITHWAITE, JAMES, M.D. : "On a mode of applying the Midwifery Forceps productive of less pain to, and disturbance of, the Patient, than that usually adopted."
- 59.—W. P. BAIN, M.D. : "On a Portable Spirometer, with a short demonstration of the different modes of Artificial Respiration."
- 60.—J. R. LEAKE, M.R.C.S. : "On the Treatment of Palpitation with Delirium by Digitalis."
- 61.—G. OLIVER, M.B. : "The atmosphere of Towns in its sanitary aspect."
- 62.—STEELE, A. B., L.K. & Q.C.P.I. : "On the Comparative Protective Powers of Animal and Human Vaccine Lymph."
- 63.—MURRAY, W., M.D. : "On a Case of False Anus, treated by a new and successful method."

- 64.—BENNETT, J. HUGHES, M.D.: "On experiments to determine the effects of Mercurial Preparations and various Irritants to the origin of the Gall-duct in the Duodenum."
- 65.—BENNETT, J. HUGHES, M.D.: "On the Historical Argument opposed to the existence of Atmospheric Germs."
- 66.—RUTHERFORD, W., M.D.: "On some Electrical Apparatus for Therapeutical purposes."
- 67.—BASTIAN, CHARLTON, M.D.: "Notes on the Pathology and Treatment of Chorea."
- 68.—ANSTIE, F. E., M.D.: "On the Principles of so-called Counter-irritation."
- 69.—WALLACE, J., M.D.: "On the Treatment of Eclampsia or Puerperal Convulsions by Chloroform, manual Dilatation of Os Uteri, and speedy delivery, with Cases."
- 70.—PROCTER, W. B., F.R.C.S.: "On the Infant Mortality of Bradford."
- 71.—BATEMAN, F., M.D.: "Is it proper that Medical Men should be compelled to divulge in Courts of Justice, facts of a criminal nature which may have become known to them in answer to strictly professional questions?"
- 72.—J. B. TUKE, M.D.: "On the Morbid Appearances met with in the Brain of the Insane."
- 73.—E. BALLARD, M.D.: "The Defects of the Sanitary Acts."
- 74.—T. DAVIES, M.R.C.S.: "Four Years' Experience as a Health Officer in Bristol."



LEEDS, 1869.

BRITISH MEDICAL ASSOCIATION,

THIRTY-SEVENTH ANNUAL MEETING.

DAILY JOURNAL.

NO. II.

WEDNESDAY Morning, 28th July.

MEMBERS ARE REQUESTED, IMMEDIATELY after their arrival, to enter their Names and Addresses in the Address Book, at the Reception-room in the Philosophical Hall, Park Row, where they will obtain all the necessary tickets and any information they require.

MEMBERS WHO WISH TO READ PAPERS, of which they have not already given notice, are requested to send them at once to the General Secretary, Secretaries' Room, Town Hall, together with a short abstract for publication in the Journal.

THE ANNUAL MUSEUM in the School of Medicine, Park Street, is now open: a short catalogue will be found in the Programme issued with each ticket. Members who have brought Preparations or Instruments are requested to send them at once to the Museum by one of the Messengers in attendance at the Reception-room.

LISTS OF HOTELS AND RESTAURANTS, AND OF PLACES OF INTEREST in and near Leeds, the Medical Charities, the News Rooms, Libraries, and Manufactories open to all Members of the Association, are also given in the Programme.

THERE WILL BE A TABLE D'HOTE at 6.0 p.m., on Wednesday and Friday, at the Queen's Hotel and at the G. N. R. Station Hotel, price 3s. 6d. Names should be given to the Clerk at the Reception-room, not later than 3 o'clock each afternoon.

PARCELS, &c., may be left in the Reception-room, in charge of the Clerks.

LETTERS AND TELEGRAMS may be written at the Reception-room and in the Annual Library.

THE POST OFFICE AND TELEGRAPH OFFICES are in Park Row. Arrangements have been made for the reception and delivery of Letters at the Reception-room.

All Communications intended for insertion in the DAILY JOURNAL should be sent to DR. EDDISON, SECRETARIES' ROOM, TOWN HALL.

Officers of the Association.

President :—H. W. ACLAND, M.D., LL.D., F.R.S., *Regius Professor of Medicine in the University of Oxford.*

President Elect :—CHARLES CHADWICK, M.D., F.R.C.P., *Senior Physician to the Leeds Infirmary.*

President of Council :—FRANCIS SIBSON, M.D., F.R.S., F.R.C.P.

Treasurer :—R. WILBRAHAM FALCONER, M.D., F.R.C.P.

General Secretary :—T. WATKIN WILLIAMS, F.R.C.S.

Officers of Sections.

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Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFORD ALLBUTT, M.A., M.D., H. CHARLTON BASTIAN, M.D., F.R.S.

SECTION B.—SURGERY.—*President*—WILLIAM HEY, F.R.C.S.

Vice-Presidents—GEO. SOUTHAM, F.R.C.S., W. STOKES, JUN., M.D.

Secretaries—W. FAIRLIE CLARKE, M.B., T. R. JESSOP, F.R.C.S.

SECTION C.—MIDWIFERY.—*President*—ARTHUR FARRE, M.D., F.R.S.

Vice-Presidents—S. BERRY, L.R.C.P., F.R.C.S., W. O. PRIESTLEY, M.D.

Secretaries—G. H. KIDD, M.D., J. THORBURN, M.D.

SECTION D.—PHYSIOLOGY.—*President*—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

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Meetings to-day, Wednesday, July 28th.

- 8.30 A.M.—PUBLIC BREAKFAST of the Association.—Victoria Hall, Town Hall.
Tickets may be obtained in the Reception Room.
- 9.30 A.M.—MEETING OF NEW COUNCIL—Council Chamber, Town Hall.—Special
business : To elect new President of the Council.
- 10.30 A.M.—MEETING OF COMMITTEE FOR REGISTRATION OF DISEASE.—
West-Riding Magistrates' Room, Town Hall.
- 11 A.M.—Second General Meeting.—Lecture Room, Philosophical Hall.—
Appoint Place of Meeting in 1870, and President-elect.
- 12 A.M.—ADDRESS IN MEDICINE, Sir W. Jenner, Bart., M.D., F.R.S.—Lecture
Room, Philosophical Hall.
- 2 P.M.—MEETINGS OF SECTIONS—Town Hall.—Adjourn at 5.30.
- 9 P.M.—President's *Soiree*—Victoria Hall, Town Hall.

Business of Sections to-day, Wednesday.

All Meetings of Sections will be held in the Town Hall.

No Paper may occupy more than Twenty minutes in delivery. No subsequent
speaker may exceed Ten minutes.

SECTION A.—MEDICINE. (*Civil Court.*)

President—W. T. GAIRDNER, M.D.

Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFFORD ALLBUTT, M.A., M.D., H. CHARLTON
BASTIAN, M.D., F.R.S.

Brief Introductory Address by the President.

SANDERSON, J. B., M.D. : I. "On the Practical and Pathological Bearing
of Recent Researches as to the Artificial Production of Tubercle."
(*Forty Minutes will be allowed for reading this paper.*)

ROBERTSON, W. H., M.D. : "The Nitrogenous Tepid Waters of Buxton."

FOTHERGILL, J. M., M.D. : "On Uræmic Diarrhœa."

REYNOLDS, J. R., M.D., F.R.S. : "Treatment of Rheumatic Fever by Per-
chloride of Iron."

Fox, C. B., M.D. : "Remarks on Clinical Thermometers."

SECTION B.—SURGERY. (*Crown Court.*)

President—WILLIAM HEY, F.R.C.S.

Vice-Presidents—GEO. SOUTHAM, F.R.C.S., W. STOKES, Jun., M.D.

Secretaries—W. FAIRLIE CLARKE, M.B., T. R. JESSOP, F.R.C.S.

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STOKES, W., JUNR., M.D.: "On Temporary Deligation of the Abdominal Aorta."

STOKES, W. JUNR., M.D.: "On a New Operation for Hare Lip."

BENNETT, WM., M.D.: "On the Therapeutical Application of Steam under High Pressure."

LITTLE, P. C., F.R.C.S.I.: "On railway and other accidents; with cases and observations."

SECTION C.—MIDWIFERY. (*Law Library.*)

President—ARTHUR FARRE, M.D., F.R.S.

Vice-Presidents—S. BERRY, L.R.C.P., F.R.C.S., W. O. PRIESTLEY, M.D.

Secretaries—G. H. KIDD, M.D., J. THORBURN, M.D.

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- BRAITHWAITE, JAMES, M.D. : "On a mode of applying the Midwifery Forceps productive of less pain to, and disturbance of, the Patient, than that usually adopted."
-

SECTION D.—PHYSIOLOGY. (*Barristers' Clerks' Room.*)

President—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

Secretaries—E. CHAPMAN, M.A., H. POWER, M.B.

- BENNETT, J. HUGHES, M.D. : "On experiments to determine the effects of Mercurial Preparations and various Irritants to the origin of the Gall-duct in the Duodenum."
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SECTION E.—STATE MEDICINE. (*Council Chamber.*)

President—W. FARR, M.D., D.C.L., F.R.S.

Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

Address by the President.

BLANC, H., M.D. : "On Animal Vaccination."

BRAIDWOOD, P. M., M.D. : "On Animal Vaccination."

STEELE, A. B., L.K. & Q.C.P.I. : "On the Comparative Protective Powers of Animal and Human Vaccine Lymph."

PHILIPSON, G. H., M.D. : "On the Registration of Diseases."

G. OLIVER, M.B. : "The atmosphere of Towns in its sanitary aspect."

PROCTER, W. B., F.R.C.S. : "On the Infant Mortality of Bradford."

GAYLOR, E., L.R.C.P. : "On the Professional and Commercial abuses of the Club System."

T. CLIFFORD ALLBUTT, M.A., M.D. : "On the propagation of Enteric Fever."

HESLOP, T. P., M.D. : "How do the sick children of the poor obtain Medical Attendance?"

Meetings on Thursday, July 29th.

9.30 A.M.—MEETING OF COMMITTEE on State Medicine.—Council Chamber, Town Hall.

SPECIAL AND IMPORTANT BUSINESS.—Report; Memorial to Government; Schedules of Questions; Ways and Means, &c.

10 A.M.—**Third General Meeting.**—Philosophical Hall.—Reports of Committees—Dr. E. Waters will present a Report from the Representation Committee—Captain Galton's paper on Hospital Construction, with discussion.

2 P.M.—ADDRESS IN MIDWIERY, Dr. Beatty.—Lecture Room, Philosophical Hall.

3 P.M.—MEETING OF SECTIONS—Town Hall.—Adjourn at 5.30.

The Meeting of the State Medicine Section (Council Chamber, Town Hall) will be a Special One for Papers and Discussions on the Sanitary Administration of the United Kingdom.

6 P.M.—PUBLIC DINNER of the Association—Victoria Hall, Town Hall, Member's will assemble in the Mayor's Rooms. Tickets may be had in the Reception Room.

Meetings on Friday, July 30th.

10 A.M.—**Fourth General Meeting.**—ADDRESS IN SURGERY, Thomas Nunneley, Esq., F.R.C.S.—Lecture Room, Philosophical Hall.

11 A.M.—MEETINGS OF SECTIONS—Town Hall.

3.30 P.M.—CONCLUDING GENERAL MEETING—Council Chamber, Town Hall.

9 P.M.—CONVERSAZIONE—Philosophical Hall.

BUSINESS DONE YESTERDAY.

DR. ACLAND resigned his office.

DR. CHADWICK read his address.

The Report was read and adopted.

CAPTAIN GALTON and DR. BROWN-SEQUARD were elected Honorary Members.

Report of Medical Benevolent Fund was read and adopted.

DR. DAVEY'S motion was not agreed to; an amendment, proposed by DR. RICHARDSON, was also rejected.

DR. BELL brought forward several motions, which were not passed.

Meeting adjourned at 12 p.m.

BRITISH MEDICAL ASSOCIATION.

NAMES AND ADDRESSES OF MEMBERS,

Received at the Reception Room, Philosophical Hall, Leeds, on
Tuesday, July 27th, 1869.

Members are requested to furnish the Address Clerk, at the Reception Room, with any corrections or additions to this List, before 6 p.m. on Wednesday, in order that they may appear in Thursday's Journal.

Name.	Residence.	Leeds Address.
Allbutt, T. C., M.A., M.D.		Leeds
Anderson, Mc All, M.D.	Glasgow	Queen's Hotel
Adams, W. L., M.B.	Cork	Dr. W. Braithwaite
Atkinson, E., M.R.C.S.	2, Albion place	Leeds
Askwith, Robert, M.D.	Cheltenham	Philosophical Hall
Armstrong, L., M.R.C.S.	South Shields	Mr. Glover, Little Woodhouse
Arlidge, J. T., M.D., M.R.C.P.	Newcastle	Queen's Hotel
Ackroyd, George, M.D.		Woodhouse lane, Leeds
Beatty, T. E., M.D.	Dublin	Gledhow wood
Bastian, H. C., M.D.	London	38, Park square
Begley, W. C., M.D.	Hanwell	Queen's Hotel
Barnes, Henry, M.D.	Carlisle	Bull and Mouth Hotel
Beardshaw, Ralph, M.R.C.L., &c.	Leeds	
Braithwaite, James, M.D.	Leeds	
Browne, J. C., M.D.	Wakefield	
Bell, D., Rev., M.D., C.M.	Goole 25, Great Northern Railway Hotel	
Barker, J., F.R.C.S.E.	Warwick	Victoria Hotel
Bate, F., M.D.	Norwich	Queen's Hotel
Bartrum, J. S., F.R.C.S.	Bath	Headingley House
Ballard, L., M.D.	Islington	Great Northern Railway Hotel

Name.	Residence.	Leeds Address.
Bainbridge, F., M.R.C.S.	Harrogate	Great Northern Railway Hotel
Bagnall, S. F., M.R.C.S.	Leeds	... ..
Barleet, E., F.R.C.S. ...	Gloster	... .. Victoria Hotel
Bealey, A., M.D.	Harrogate	... .. Queen's Hotel
Branson, F., M.D. ...	Chesterfield	... .. Rev. E. Jackson
Baker, J. W., M.R.C.S.	Derby	... .. Queen's Hotel
Bolt, T. B., M.D. ...	Burley	... .. Wharton's Hotel
Bartlett, W., F.R.C.S. ...	London	Great Northern Railway Hotel
Broadbent, W. H., M.D.	London	... .. Dr. Allbutt
Beatty, J. G., L.K.Q.C.P.	Dublin	Great Northern Railway Hotel
Balding, D.B., F.R.C.S.	Royston	... .. Philosophical Hall
Blanc, H.	London	... .. Queen's Hotel
Bryan, E., M.R.C.S. ...	Idle	... ..
Bell, J. H., M.D. ...	Bradford	... ..
Bain, W.P., M.D. ...	Poplar	... Great Northern Railway Hotel
Barclay, J., M.D. ...	Leicester	... 35, Park Square, Leeds
Beunet, J. H., M.D. ..	London	Dr. Hey, Albion Place, Leeds
Barles, J. T., M.D. ...	Dublin	Dr. Heaton, Claremont
Beevans, W. A., M.R.C.S.	London	... .. Victoria Hotel
Chapman, E., M.A. ...	Oxford	... .. Dr. Braithwaite
Clayton, M. H., M.R.C.S.	Birmingham	... .. Queen's Hotel
Carter, T. B., M.R.C.S. .	Potternewton	... ..
Coate, H. C., F.R.C.S. .	London	... .. A. Horsfall, Esq., Whitkirk
Chadwick, C., F.R.C.S. .	Leeds	... ..
Cooper, Sir H., M.D. ...	Hull...	... .. Queen's Hotel
Cruise, F. R., M.D. ...	Dublin	... .. T. P. Teale, Esq., Leeds
Charlton, E., M.D. ...	Newcastle	... .. Dr. Chadwick
Chambers, T, F.R.C.S. .	London	... .. 6, Lewis street, Pot- ternewton
Crossby, J. P., L.R.C.P.	Leeds	... ..
Cornwall, J., M.R.C.S. .	Bath	... .. Harrogate
Carden, H. D., F.R.C.S.	Worcester	... .. 22, Park place, Leeds
Corrie, J. J., M.R.C.S.	Leeds	... ..
Craister, F. L., M.R.C.S.	Bramley	... ..
Churton, W., M.R.C.S.,	Lightcliffe,	Halifax... Philosophical Hall
Cooke, R. B., F.R.C.S.,	Scarbro'	... .. T. P. Teale, Esq., Leeds
Clark, J., M.D. ...	Walsall	... .. Queen's Hotel
Copeland, W., M.R.C.S.	Staindrop	... .. Queen's Hotel
Church, W. J., F.R.C.S.	Bath	... .. Queen's Hotel
Cooper, R., M.R.C.S. ...	Leek	Great Northern Railway Hotel
Clarke, J. C., M.R.C.S.	Gildersome	... ..
Croly, H. G., F.R.C.S. ...	Dublin	... .. T. P. Teale, Esq., Leeds
Charcote, J. N., M.D.	Paris	... .. Queen's Hotel
Dobson, Thomas, M.D.	Holbeck	... .. Leeds
Dobson, William, M.R.C.S.		Leeds

Name.	Residence.	Leeds Address.
Deville, T., M.D. ...	Harrogate ...	Philosophical Hall
Druitt, R., F.R.C.S. ...	London	Mr. R. Green, Roundhay, Leeds
Desmond, L. E., M.D....	Liverpool ...	Queen's Hotel, Harrogate
De Meric, Victor, F.R.C.S.	London ...	Philosophical Hall
Davey, J.G., M.D. ...	Bristol	Great Northern Railway Hotel
Day, Henry, M.D. ...	Stafford ...	Queen's Hotel
Drury, C. D. H., M.D.	Sunderland ...	Queen's Hotel
Down, L., M.D. ...	London ...	46, Springfield place
Davies, J. S., M.R.C.S.	Oswestry ...	Great Northern Hotel
Dickson, W., M.D. ...	London ...	Great Northern Hotel
Eddison, J. E., M.D. ...	Leeds ...	19, Park square
Eddie, W. H., M.R.C.S.	Barton ...	3, Blenheim terrace, Leeds
Eagland, W. H., M.D. .	Leeds ...	...
Farr, Wm., M.D., ...	Bickley ...	Dr. Heaton
Falconer, R. W., M.D.	Bath ...	Dr. Chadwick
Fothergill, J. M., M.D.		Bull and Mouth
Fitz Patrick, H., M.D.	West Derby	Dr. Myrtle, High Harrogate
Fielding, J. R., M.R.C.S.	Alfreton ...	Queen's
Farre, Arthur, M.D. ...	London ...	Mr. Hey
Foster, John, F.R.C.S....	Bradford ...	...
Folker, W. H., F.R.C.S.	Hanley ...	Victoria Hotel
Frain, Joseph, M.D. ...	South Shields	Great Northern Hotel
Fothergill, J. R., M.D.	Darlington ...	Queen's Hotel
Fuller, William, M.B....	Oswestry ...	Queen's Hotel
Galton, D., C.B. ...	London ...	45, Park square
Griffith, T. T., ...	Wrexham ...	12, Warwick place
Garlick, William, M.R.C.S.	7, Hyde terrace	
Greenhow, T. M., M.D.	Chapel-Allerton	
Gairdner, W. T., M.D.	Glasgow ...	Dr. Allbutt
Giddings, W. R., L.R.C.P.	Calverley	
Gowans, William, L.R.C.P.S.	South Shields ...	Great Northern Rail way Hotel
Gibbon, S. I., M.B. ...	London	Great Northern Railway Hotel
Gray, E. B., M.D. ...	Oxford ...	42, Park square
Hutchinson, J., F.R.C.S.	London	Great Northern Railway Hotel
Hall, W., M.R.C.S. ..	Leeds ...	...
Haughton, S., M.D.	Trinity College, Dublin	Rev. T. R. Shelton, Park square, Leeds.
Holman, C., M.D. ...	Riegate ...	Queen's Hotel.
Hemingway, C. A., M.R.C.S. ...	The Elms, Dewsbury	Medical School, Leeds
Hornby, T., R.G.P. ...		Philosophical Hall
Hall, J. C., M.D. ...	Sheffield ...	Queen's Hotel

Name.	Residence.	Leeds Address.
Heath, F. A., M.R.C.S.	Manchester	John Barber, Esq., 12, Cromer terrace
Hutchinson, R. S., M.D	Scarbro'	Philosophical Hall
Hardy, H. G., M.R.C.S.	Byer's Green	9, Oxford Row, Leeds
Heffernan, E., L.R.C.P.E	Spennymoor	9, Oxford row, Leeds
Hirst, S. C., M.R.C.S.	Bowling	Philosophical Hall
Higginson, A. M.R.C.S.	Liverpool	Dr. Greenhow's, Chapeltown
Heslop, T. P., M.D. ...	Birmingham	Queen's Hotel
Harrison, R., F.R.C.S.	Liverpool	Victoria Hotel
Hare, C. J., M.D. ...	London	2, Warwick Villas
Heaton, J. D., M.D. ...	Leeds	
Henry, A., M.D. ...	London	
Hey, S., F.R.C.S. ...	Leeds	
Haynes, S., M.D. ...	Laverstock, Salisbury	Great Northern Sta- tion Hotel
Hepworth, W., M.R.C.S.	Guisseley	
Hall, F., M.R.C.S. ...	Leeds	
Horsfall, J., M.R.C.S....	London	Whitkirk
Holmes, F., M.R.C.S....	London	Burmantofts
Hepworth, W. B. M.R.C.S. ...	Armley	
Handcock, G., M.R.C.S.	Hunslet road, Leeds	
Heaps, J., F.R.C.S. ...	Westgate, Otley	
Husband, W. D., F.R.C.S.	York	Queen's Hotel
Hayward, G., M.D. ...	Leeds	
Hirst, C., L.R.C.P.E. ...	Morley	
Hey, William, F.R.C.S.	Albion place	
Ikin, J. I., F.R.C.S. ...	19, Park Place	Leeds
Inglis, Alexander, M.D.	Worcester	Queen's Hotel
Jessop, T. R., F.R.C.S.	32, Park Square	Leeds
Jephcott, S. T., M.D. ...	Chester	Queen's Hotel
Jobson, J., F.R.C.S. ...	Bishop Auckland	Great Northern Rail- way hotel
Jewison, T. W., M.R.C.S.E.	Oulton	
Kelley, G. V., P.R.C.S.	Leeds	
Kennedy, E., M.D. ..	Dublin	Queen's Hotel
Kidd, G. H., M.D. ...	Dublin	Great Northern Hotel
Lombard, J. S., M.D. ...	Boston	Great Northern Railway Hotel
Lewis, W., M.D. ...	London	R. Barr
Lingen, C., F.R.C.S. ...	Hereford	Victoria Hotel
Libbey, H. C., M.R.C.S.	Hunslet lane, Leeds	
Little, J., M.D. ...	Dublin	Great Northern Railway Hotel

Name.	Residence.	Leeds Address.
Lilly, W., M.D. ...	London ...	5, Great George street
Loe, J. S., M.R.C.S. ..	Woodhouse lane, Leeds	
Lee, H., F.R.C.S. ...	9, Saville row, London	9, Park square, Leeds
Leared, A., M.D. ...	London ...	2, Albion place
Leeson, J. F., T.R.C.P.	Bradford ...	Philosophical Hall
Lee, M., M.D. ...	Bradford ...	Philosophical Hall
Lawson, J., L.R.C.S. ...	Wakefield ...	Rectory, Adel
Leadman, A., L.A.C. ...		69, Woodhouse lane, Leeds
Lees, S. D., M.D. ...	Ashton-under-Lyne...	Victoria Hotel
Latham, P. W., M.D. ...	Cambridge ...	Philosophical Hall
Lambert, J., M.R.C.S. .		Farsley, near Leeds
Lunn, W. J., M.D. ...	Hull	Mr. Hodson's, the Docks, Leeds
Lake, J. R. ...	80th Regt., Liverpool	Queen's Hotel
Meade, R. H., F.R.C.S.	Bradford ..	Philosophical Hall
Miall, P., M.R.C.S ...	Bradford ...	
Mackie, J., M.R.C.S. ...	Darlington ...	9, Oxford row
MacNamara, R., P.R.C.S.I.		Queen's Hotel
Martin, J., F.R.C.S. ...	Portland ...	42, Park square
MacKenzie, W. S., L.R.C.P.	Normanton ...	Philosophical Hall
Martin, W., F.R.C.S. ...	London	Great Northern Railway Hotel
Moriarty, T. B., M.D.	Army ...	Queen's Hotel
Matterson, W., M.D.	York ...	Queen's Hotel
Morris, E., M.D. ...	Spalding ...	E. Bryan, surgeon, near Leeds
Manley, J., M.R.C.S. ...	West Bromwich ...	Queen's Hotel
Marshall, H. H., M.D.	Clifton ...	Queen's Hotel
Mc Cheane, W., F.R.C.S.	Liverpool ...	Trinity Parsonage
Miller, H., M.D. ...	Glasgow ...	West Riding Hotel
Nunneley, J. A., M.B.	22, Park place ...	
Nicholson, R. N. B., M.R.C.S. ...	Hull ...	
Nevitt, J. G., M.R.C.S.	Chapelton ...	
Newstead, C. B., M.D.	Otley ...	
Nunneley, T., F.R.C.S.E.	Park place ...	
Nichols, T., M.R.C.S. ...	New Wortley ...	
Norman, J. W., M.B. . .	Harrogate ...	Queen's Hotel
Nelson, E. H., M.D. ...	Downpatrick ...	13, Hillary street
Nowell, James, M.R.C.S.	Woodlesford ...	
Nankivell, C. B., M.D.	Torquay ...	Park place
Newstead, G., M.R.C.S.	Eccleshill ...	
Nicholson, D., M.D. ...	Portland ...	88, Woodhouse lane
Nevins, J. B., M.R.C.S.	Liverpool ...	7, Park square
Oglesby, R.P., M.R.C.S.	12, Park square ...	
Ogle, W., M.D. ...	Derby ...	Queen's Hotel

Name.	Residence.	Leeds Address.
Rhodes, G. S., M.R.C.S.	Dewsbury	
Rhind, S., M.R.C.S. ...	Shipley	
Richardson, B. W., M.D., F.R.S.	London	Philosophical Hall
Reynolds, J. M.D., F.R.S.	London	
Rivington, W., M.S. ...	London	Great Northern Railway Hotel
Ransome, A., M.D., ...	Manchester	Queen's Hotel
Routh, C. H. J., M.D.	London	Great Northern Railway Hotel
Ruddock, J. R., M.R.C.S.	Leeds	
Rendle, R., M.R.C.S. ...	London	Great Northern Railway Hotel
Ruddock, W. P., M.R.C.S.	Leeds	
Rickards, G. H. L., M.R.C.S.	Leeds	
Rogers, Harrison, C. H., F.R.C.S.	London	Mr. Curwood's, De Grey road, Leeds
Robinson, M. K., M.D.	Harrogate	16, Corn Exchange, Leeds
Ritchie, T., F.R.C.S. ...	Otley	Philosophical Hall
Robinson, E., M.R.C.S.		42, Park square, Leeds
Roe, J. W., M.D. ...	Ellesmere	Philosophical Hall
Roberts, J. D., M.R.C.S.	Barnoldswick	Queen's Hotel, Leeds
Rumsey, H. W., M.D. .	Cheltenham	Dr. Chadwick
Radclyffe, Hall C., M.D.	Torquay	Mr. Nunneley
Richardson, C., M.R.C.S.	Leeds	13, Skinner lane
Robson, R. W., M.R.C.S.	Durham	Queen's Hotel
Roberts, O., M.D. ...	St. Asaph	Victoria Hotel
Rugg, G. P., M.D. ...	Clapham road, London	Great Northern Rail- way Hotel
Scattergood, Thomas ...	41, Park square	
Sankey, W. H. O., M.D.	Cheltenham	Queen's Hotel
Seaton, James, L.A.C.S.	North street	
Sabben, J. T., M.D. ..	London	Great Northern Hotel
Sharpe, G. M., L.H.S.G.	Hunslet	
Scott, William, M.R.C.S.	Holbeck	
Simpson, Henry, M.D.	Manchester	
Sadler, P. L.	Warrington	Harrogate
Southam, G., F.R.C.S.	Manchester	Dr. Nunneley
Smeddle, Robert, L.S.A.	Sheldon	24, Grove terrace
Smith, G. P., M.D. ...	Moundstead	Leeds Club
Smith, Thomas, M.D. ...	Cheltenham... ..	7, Cromer terrace
Smith, F. A. A., M.D.	do.	do.
Stewart, A. P., M.D. ...	London	Dr. Heaton's
Smith, P., M.D., ...	London	Victoria Hotel
Sequard-Brown, C. E., M.D.	Paris	
Seaton, Joseph, M.D. ...	Sunbury	Great Northern Hotel
Slessor, Charles, M.D.	Bramley	
Stewart, H. H., M.D. ...	Dublin	13, Hillary Street
Spratley, Samuel, M.D.	Rock Ferry... ..	
Samuels, Arthur, M.D.	Liverpool	Victoria Hotel
Stute, A. B., L.R.C.P....	Liverpool	

Name.	Residence.	Leeds Address.
Sykes, Richard, S.A.C.	Drighlington	...
Simpson, J. H., M.R.C.P.	Pontefract	...
Stokes, William, M. D.	Dublin	... T. P. Teale's
Stearns, J., M.D.	Boston, America	... Great Northern Hotel
Teale, T. P., F.R.C.S.	Leeds	...
Tilt, E. J., M.D.	London	... 31, Albion Street, Leeds
Thorburn, J., M.D.	Manchester	... ..
Turton, F., L.R.C.P.	Wolverhampton	... Queen's Hotel, Leeds
Turner, W., M.R.C.S.	Liverpool	... Queen's Hotel
Teale, J., M.R.C.S.	31, Albion street,	Leeds
Thomas, R., L.S.A.	Rawdon	... ..
Terry, J. M., M.R.C.S.	Bradford	... ..
Thornton, W. H., M.D.	Dewsbury	... ..
Turner, G., M.D.	Stockport	... Wellington Hotel
Trehella, H. E., M.D.	Headingley	... ..
Terry, H., Jun., M.R.C.S	Northampton	... Queen's Hotel
Townson, B., M.R.C.S.	Liverpool	... ..
Underhill, T., M.R.C.S.	Great Bridge	... Queen's Hotel
Williams, T. W.,	Birmingham	... Mr. Wheelhouse, 42, Park square
Wright, C. J., M.R.C.S.	Leeds	... 2, Park square
Wiltshire, A., M.D.	London	... 21, Great George street, Leeds
Watess, A. T. H., M.D.	Liverpool	... Great Northern Railway Station Hotel
Wilkinson, E., M.D.	Manchester	... Queen's Hotel
Wilson, C. B., M.R.C.S.	Liverpool	... Trinity Parsonage
Weaver, F. P., M.D.	Frodsham	... House of Recovery, Leeds
Webster, G., M.D.	London	... Victoria Hotel
Waters, E., M.D.	Chester	... Dr. Nunneley, Leeds
Wheelhouse, C. G., F.R.C.S.	Leeds	... ..
Wrench, E. M., M.R.C.S.	Chesterfield	... Rev. E. Jackson, St. George's terrace
Wright, F., M.R.C.S.	Stamford Bridge	... Eccleshill
Williams, E., M.D.	Wrexham	... Victoria Hotel
Wright, T. G., M.D.	Wakefield	... ..
Ward, J. B., M.D.	Wakefield	... Denison Hall, Leeds
Watts, W. F., M.R.C.S.	Dewsbury	... ..
Walker, G. E., F.R.C.S.	Liverpool	... Victoria Hotel
Young, G. E., M.D.	Leeds	... ..



Charles Goodall, Printer, 16, Woodhouse Lane, Leeds.

LEEDS, 1869.

BRITISH MEDICAL ASSOCIATION,

THIRTY-SEVENTH ANNUAL MEETING.

DAILY JOURNAL.

NO. III.

THURSDAY Morning, 29th July.

MEMBERS ARE REQUESTED, IMMEDIATELY after their arrival, to enter their Names and Addresses in the Address Book, at the Reception-room in the Philosophical Hall, Park Row, where they will obtain all the necessary tickets and any information they require.

MEMBERS WHO WISH TO READ PAPERS, of which they have not already given notice, are requested to send them at once to the General Secretary, Secretaries' Room, Town Hall, together with a short abstract for publication in the Journal.

THE ANNUAL MUSEUM in the School of Medicine, Park Street, is now open: a short catalogue will be found in the Programme issued with each ticket. Members who have brought Preparations or Instruments are requested to send them at once to the Museum by one of the Messengers in attendance at the Reception-room.

LISTS OF HOTELS AND RESTAURANTS, AND OF PLACES OF INTEREST in and near Leeds, the Medical Charities, the News Rooms, Libraries, and Manufactories open to all Members of the Association, are also given in the Programme.

THERE WILL BE A TABLE D'HOTE at 6.0 p.m., on Wednesday and Friday, at the Queen's Hotel and at the G. N. R. Station Hotel, price 3s. 6d. Names should be given to the Clerk at the Reception-room, not later than 3 o'clock each afternoon.

PARCELS, &c., may be left in the Reception-room, in charge of the Clerks.

LETTERS AND TELEGRAMS may be written at the Reception-room and in the Annual Library.

THE POST OFFICE AND TELEGRAPH OFFICES are in Park Row. Arrangements have been made for the reception and delivery of Letters at the Reception-room.

All Communications intended for insertion in the DAILY JOURNAL should be sent to DR. EDDISON, SECRETARIES' ROOM, TOWN HALL.

Officers of the Association.

President:—H. W. ACLAND, M.D., LL.D., F.R.S., *Regius Professor of Medicine in the University of Oxford.*

President Elect:—CHARLES CHADWICK, M.D., F.R.C.P., *Senior Physician to the Leeds Infirmary.*

President of Council:—FRANCIS SIBSON, M.D., F.R.S., F.R.C.P.

Treasurer:—R. WILBRAHAM FALCONER, M.D., F.R.C.P.

General Secretary:—T. WATKIN WILLIAMS, F.R.C.S.

Officers of Sections.

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Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFORD ALLBUTT, M.A., M.D., H. CHARLTON BASTIAN, M.D., F.R.S.

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Vice-Presidents—GEO. SOUTHAM, F.R.C.S., W. STOKES, JUN., M.D.

Secretaries—W. FAIRLIE CLARKE, M.B., T. R. JESSOP, F.R.C.S.

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Vice-Presidents—S. BERRY, L.R.C.P., F.R.C.S., W. O. PRIESTLEY, M.D.

Secretaries—G. H. KIDD, M.D., J. THORBURN, M.D.

SECTION D.—PHYSIOLOGY.—*President*—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

Secretaries—E. CHAPMAN, M.A., H. POWER, M.B.

SECTION E.—PUBLIC MEDICINE.—*President*—W. FARR, M.D., D.C.L., F.R.S.

Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

Local Secretaries:—T. CLIFFORD ALLBUTT, M.A., M.D., 38, *Park Square.*

J. E. EDDISON, M.D., 19, *Park Square.*

C. G. WHEELHOUSE, 42, *Park Square.*

JAS. SEATON, *North Street.*

JNO. A. NUNNELEY, 22, *Park Place.*

Local Treasurer:—J. D. HEATON, M.D., F.R.C.P.

Meetings to-day, Thursday, July 29th.

9.30 A.M.—MEETING OF COMMITTEE on State Medicine.—Council Chamber, Town Hall.

SPECIAL AND IMPORTANT BUSINESS.—Report; Memorial to Government; Schedules of Questions; Ways and Means, &c.

10 A.M.—Third General Meeting.—Philosophical Hall.—Reports of Committees—Dr. E. Waters will present a Report from the Representation Committee—Captain Galton's paper on Hospital Construction, with discussion.

2 P.M.—ADDRESS IN MIDWIFERY, Dr. Beatty.—Lecture Room, Philosophical Hall.

3 P.M.—MEETING OF SECTIONS—Town Hall.—Adjourn at 5.30.

The Meeting of the State Medicine Section (Council Chamber, Town Hall) will be a Special One for Papers and Discussions on the Sanitary Administration of the United Kingdom.

6 P.M.—PUBLIC DINNER of the Association—Victoria Hall, Town Hall, Member's will assemble in the Mayor's Rooms. Tickets may be had in the Reception Room.

Business of Sections to-day, Thursday.

All Meetings of Sections will be held in the Town Hall.

No Paper may occupy more than Twenty minutes in delivery. No subsequent speaker may exceed Ten minutes.

SECTION A.—MEDICINE. (*Civil Court.*)

President—W. T. GAIRDNER, M.D.

Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFFORD ALBUTT, M.A., M.D., H. CHARLTON BASTIAN, M.D., F.R.S.

REYNOLDS, J. R., M.D., F.R.S. : "Certain forms of Paralysis, depending on Idea."

ANDERSON, M'CALL, M.D. : "On some of the more recent Methods of Treating certain Diseases of the Skin."

MYRTLE, A. S., M.D. : "On Hydro-therapeutics; the resources of Harrogate specially considered."

CUMMING, JAMES, M.D. : "On some points in the Pathology of Delirium Tremens."

WALLACE, J., M.D. : "On Hydrothorax and Empyema; Thoracentesis and forcible extraction of the Fluid by Suction; with cases."

MULVANY, J., M.D. : "On Permanganate of Potassa in Neuralgia and Crude Tubercle."

LEAKE, J. R., M.R.C.S. : "On the Treatment of Palpitation with Delirium by Digitalis."

Papers Read Yesterday in this Section.

- SANDERSON, J. B., M.D. : "On the Practical and Pathological Bearing of Recent Researches as to the Artificial Production of Tubercle."
 REYNOLDS, J. R., M.D., F.R.S. : "Treatment of Rheumatic Fever by Perchloride of Iron."
 FOX, C. B., M.D. : "Remarks on Clinical Thermometers."
 FOTHERGILL, J. M., M.D. : "On Uræmic Diarrhœa."

SECTION B.—SURGERY. (*Crown Court.*)

President—WILLIAM HEY, F.R.C.S.

Vice-Presidents—GEO. SOUTHAM, F.R.C.S., W. STOKES, Jun., M.D.

Secretaries—W. FAIRLIE CLARKE, M.B., T. R. JESSOP, F.R.C.S.

- TEALE, T. PRIDGIN, M.A., F.R.C.S. : "A demonstration of Rectangular Stumps."
 (*Patients with Rectangular Stumps may be seen at the General Infirmary from 1-30 to 3, after which Mr. Teale will read his paper.*)
 MACLEOD, G. H. B., M.D. : "On Amputation at the Ankle-joint."
 RICHARDSON, B. W., M.D. : "Note on a new method of Painless Cutting in Surgery."
 TAYLOR, C. B., M.D. : "Brief Notes (on Cataract Extraction) from Berlin, Wiesbaden, and Utrecht."
 DE MERIC, VICTOR, M.D., F.R.C.S. : "On cases of Syphilitic Affection of the Third Nerve, producing Mydriasis with and without Ptosis."
 LUND, EDWARD, F.R.C.S. : "On the Use of Antiseptic Cere-Cloth for Covering Wounds."
 MOORE, C. H., F.R.C.S. : "On certain causes of Mammary Cancer."
 RENDLE, RICHARD, M.R.C.S. : "On the Use of Protoxide of Nitrogen in General Surgery, and on a New Mode of Producing Rapid Anæsthesia."
 LAND, R. T., M.D. : "A case of Femoral Aneurism successfully treated by Ligature of the External Iliac Artery."

Papers Read Yesterday in this Section.

- SOUTHAM, G., F.R.C.S. : "On some of the Advantages of Tapping in the Treatment of Ovarian Tumours."
 HEY, S., F.R.C.S. : "On the beneficial results of undesigned and accidental Hæmorrhage in certain cases."
 TEEVAN, W. F., B.A., F.R.C.S. : "On the Early Detection and Treatment of Stricture of the Urethra."
 MACLEOD, G. H. B., M.D. : "On the Immediate Treatment of Stricture."
 WHEELHOUSE, C. G., F.R.C.S. : "On the use of the Probe Dilator in operations involving the posterior portion of the urethra."
 STOKES, W., JUNR., M.D. : "On Temporary Deligation of the Abdominal Aorta."

STOKES, W. JUNR., M.D. : "On a New Operation for Hare Lip."

BENNETT, WM., M.D. : "On the Therapeutical Application of Steam under High Pressure."

SECTION C.—MIDWIFERY. (*Law Library.*)

President—ARTHUR FARRE, M.D., F.R.S.

Vice-Presidents—S. BERRY, L.R.C.P., F.R.C.S., W. O. PRIESTLEY, M.D.

Secretaries—G. H. KIDD, M.D., J. THORBURN, M.D.

SIMPSON, SIR JAMES Y. : To Exhibit a Cephalotribe.

HICKS, J. B., M.D., F.R.S. : "On the use of the Intra-uterine Douche in Offensive Lochia, as a rule of practice."—"Cases showing the use of Perchloride of Iron in flooding.

SQUIRE, WM., L.R.C.P. : "On the temperature variations occasioned by Vaccination, and its effects on the health of infants."

SMITH, PROTHEROE, M.D. : "An Aid to Parturition, and to the Treatment of Displacement of the Uterus by a new Mechanical Appliance."

BARNES, DR. : "On the use of Perchloride of Iron in Uterine Hæmorrhage."

Papers Read Yesterday in this Section.

PLAYFAIR, W. S., M.D. : "On the Treatment of Chronic Uterine Catarrh."

WALLACE, J., M.D. : "On Hydrothorax and Empyema ; Thoracentesis and forcible extraction of the Fluid by Suction ; with cases."

ROUTH, C. H. F., M.D. : "On the Treatment of certain forms of Uterine Cancer."

BRAITHWAITE, JAMES, M.D. : "On a mode of applying the Midwifery Forceps productive of less pain to, and disturbance of, the Patient, than that usually adopted."

SECTION D.—PHYSIOLOGY. (*Barristers' Clerks' Room.*)

President—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

Secretaries—E. CHAPMAN, M.A., H. POWER, M.B.

BROWN-SEQUARD, DR. : "Remarks on Epilepsy."

BROADBENT, W. H., M.D. : "A brief account of a recent Investigation of the Structure of the Cerebral Hemisphere, with remarks."

ELLIOT, R., M.D. : "Does the adjustment of the eye, to vision at different distances, depend on temporary changes in the magnifying power of the eye, either by alterations in the form or position of the lens, or other parts in the dioptric system of the eye?"

ELLIOT, R., M.D. : "Do the movements of the Iris, by permitting only the more central and practically parallel rays of the optic cone or pencil of light, to reach the fovea centralis, on the anterior surface of the sensitive layer of rods and bulbs,—and by thus affording a sharp and well defined image of an object, whether near or far off—not perfectly explain the voluntary power of adjusting the eye to the distinct vision of objects at various distances?"

TAIT, LAWSON, L.R.C.P., ED. : "On Ideo-Muscular Contraction."

BAIN, W. P., M.D. : "On a Portable Spirometer, with a short demonstration of the different modes of Artificial Respiration."

NICHOLSON, D., M.D. : "On the Body Weight and Urea in a case of Starvation."

TUKE, J. B., M.D. : "On the Morbid Appearances met with in the Brain of the Insane."

DE MERIC, VICTOR, M.D., F.R.C.S. : "On cases of Syphilitic Affection of the Third Nerve, producing Mydriasis with and without Ptosis."

Papers Read Yesterday in this Section.

BENNETT, J. HUGHES, M.D. : "On experiments to determine the effects of Mercurial Preparations and various Irritants to the origin of the Gall-duct in the Duodenum."

BENNETT, J. HUGHES, M.D. : "On the Historical Argument opposed to the existence of Atmospheric Germs."

FOX, C. B., M.D. : "Remarks on Ear-cough, and its mode of production."

SECTION E.—STATE MEDICINE. (*Council Chamber.*)

President—W. FARR, M.D., D.C.L., F.R.S.

Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

BALLARD, E., M.D. : "The Defects of the Sanitary Acts."

DAVIES, T., M.R.C.S. : "Four Years' Experience as a Health Officer in Bristol."

DYKE, T. J., F.R.C.S. : "On the Practical Working of the Sanitary Act of 1866, and the Diseases Prevention Act of 1865."

BALLARD, EDWARD, M.D. : "On the evils arising from the present mode of taking Medical and Scientific Evidence in our Courts of Justice."

BATEMAN, F., M.D. : "Is it proper that Medical Men should be compelled to divulge in Courts of Justice, facts of a criminal nature which may have become known to them in answer to strictly professional questions?"

Papers Read Yesterday in this Section.

BLANC, H., M.D. : "On Animal Vaccination."

BRAIDWOOD, P. M., M.D. : "On Animal Vaccination."

STEELE, A. B., L.K. & Q.C.P.I. : "On the Comparative Protective Powers of Animal and Human Vaccine Lymph."

PHILIPSON, G. H., M.D. : "On the Registration of Diseases."

OLIVER, G., M.B. : "The atmosphere of Towns in its sanitary aspect."

PROCTER, W. B., F.R.C.S. : "On the Infant Mortality of Bradford."

ALLBUTT, T. CLIFFORD, M.A., M.D. : "On the propagation of Enteric Fever."

Paper received since the General List was printed.

KENNEDY, EVORY, M.D. : "On Zymotic Disease and Hospitalism, especially as illustrated by Puerperal Fever."

Meetings on Friday, July 30th.

9 A.M.—Important Meeting of Committee of Council, in the Town Hall.

10 A.M.—Fourth General Meeting.—ADDRESS IN SURGERY, Thomas Nunneley, Esq., F.R.C.S.—Lecture Room, Philosophical Hall.

11 A.M.—MEETINGS OF SECTIONS—Town Hall.

3.30 P.M.—CONCLUDING GENERAL MEETING—Council Chamber, Town Hall.

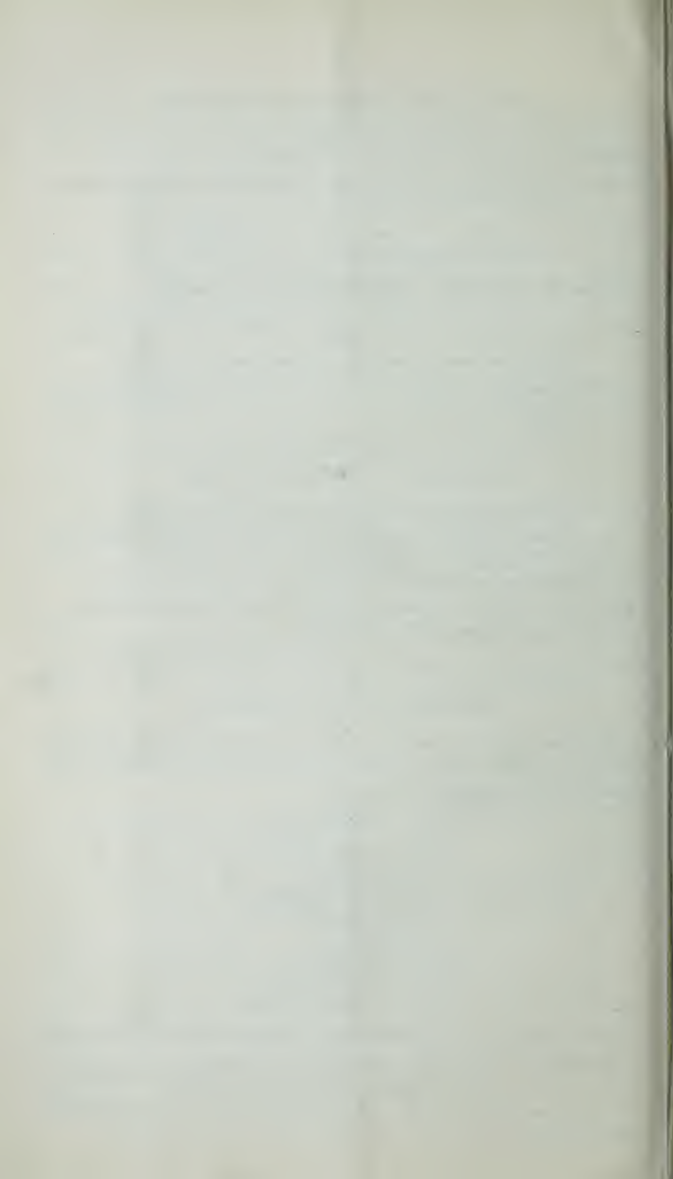
9 P.M.—CONVERSAZIONE—Philosophical Hall.

BUSINESS DONE YESTERDAY.

The New Council met at 9-30. Mr. W. B. Husband, of York, was elected President of the Council, and the following gentlemen were chosen for the Committee of Council:—

DR. F. SIBSON,
MR. M. H. CLAYTON,
DR. T. P. HESLOP,
MR. SOUTHAM,
DR. A. T. H. WATERS,
DR. WILKINSON,
DR. EMBLETON,
MR. T. H. SMITH,
MR. T. NUNNELEY,
MR. C. G. WHEELHOUSE.

It was proposed and agreed to, that Newcastle should be the place of Meeting for 1870; DR. CHARLTON, of Newcastle, was appointed President-Elect. SIR WILLIAM JENNER read an address in Medicine. The Sections met at 2 P.M. The President's Soiree was held in the Victoria Hall.



BRITISH MEDICAL ASSOCIATION.

NAMES AND ADDRESSES OF MEMBERS,

Received at the Reception Room, Philosophical Hall, Leeds.

Wednesday, July 28th, 1869.

Members are requested to furnish the Address Clerk, at the Reception Room, with any corrections or additions to this List, before 6 p.m. on Thursday, in order that they may appear in Friday's Journal.

Name.	Residence.	Leeds Address.
Allbutt, T. C., M.A., M.D.		Leeds
Anderson, Mc Call, M.D.	Glasgow ...	Queen's Hotel, Harrogate
Adams, W. L., M.B.	Cork ...	.. Dr. W. Braithwaite
Atkinson, E., M.R.C.S.	2, Albion place	... Leeds
Askwith, Robert, M.D.	Cheltenham	... Philosophical Hall
Armstrong, L., M.R.C.S.	South Shields	... Mr. Glover, Little Woodhouse
Arlidge, J. T., M.D., M.R.C.P.	Newcastle ..	... Queen's Hotel
Ackroyd, George, M.R.C.S.		Woodhouse lane, Leeds
Alexander, Wm., M.D., M.R.C.P.	Newcastle ...	... Dr. Chadwick
Allan, W. W., L.R.C.P.	Guiseley ...	... Near Leeds
Atkinson, G. P., M.R.C.S.	Pontefract ...	...
Abraham, J., M.R.C.S.	Harrogate ...	...
Alder, S., M.R.C.S. ...	(C. Wright's) ...	2, Park square, Leeds
Anstie, F. E., M.D. ...	London ...	... Great Northern Hotel
Beatty, T. E., M.D. ...	Dublin ...	... Gledhow wood
Bastian, H. C., M.D. ...	London ...	... 38, Park square
Begley, W. C., M.D. ...	Hanwell ...	... Queen's Hotel
Barnes, Henry, M.D. ...	Carlisle ...	... Bull and Mouth Hotel
Beardshaw, Ralph, M.R.C.L., &c.	Leeds ...	...
Braithwaite, James, M.D.	Leeds ..	...

Name.	Residence.	Leeds Address.
Browne, J. C., M.D. ...	Wakefield ...	...
Bell, D., Rev., M.D., C.M. ...	Goole	25, Great Northern Railway Hotel
Barker, J., F.R.C.S.E.	Warwick ...	Victoria Hotel
Bateman, F., M.D. ...	Norwich ...	Queen's Hotel
Bartrum, J. S., F.R.C.S.	Bath ...	Headingley House
Ballard, L., M.D. ...	Islington	Great Northern Railway Hotel
Bainbridge, F., M.R.C.S.	Harrogate	Great Northern Railway Hotel
Bagnall, S. F., M.R.C.S.	Leeds ...	..
Barfleet, E., F.R.C.S. ...	Gloucester ...	Victoria Hotel
Bealey, A., M.D. ...	Harrogate ...	Queen's Hotel
Branson, F., M.D. ...	Chesterfield ...	Rev. E. Jackson
Baker, J. W., M.R.C.S.	Derby ...	Queen's Hotel
Bolt, T. B., M.D. ...	Bury ...	Wharton's Hotel
Bartlett, W., F.R.C.S. ...	London	Great Northern Railway Hotel
Broadbent, W. H., M.D.	London ...	Dr. Allbutt
Beatty, J. G., L.K.Q.C.P.	Dublin	Great Northern Railway Hotel
Balding, D. B., F.R.C.S.	Royston ...	Queen's Hotel
Blane, H., M.D., F.R.C.S.	London ...	Queen's Hotel
Bryan, E., M.R.C.S. ...	Idle ...	...
Bell, J. H., M.D. ...	Bradford ...	...
Bain, W.P., M.D. ...	Poplar ...	Great Northern Railway Hotel
Barclay, J., M.D. ...	Leicester ...	35, Park Square, Leeds
Bennet, J. H., M.D. ..	London ...	Albion Place, Leeds
Barles, J. T., M.D. ...	Dublin	Dr. Heaton, Claremont
Beecroft, S., F.R.C.S. ...	Hyde, Manchester ...	
Blythman, R. O., M.R.C.S. ...	Swinton, Rotherham	
Blythman, C.S., M.B.C.A., M.R.C.S. ...	Swinton, Rotherham	
Bennett, W., M.D. ...	Harrogate ...	Queen's Hotel
Bridges, J. H., F.R.C.P.	Halifax ...	...
Buchanan, G., M.D. ...	Glasgow ...	Mr. Seaton
Briggs, H., M.D. ...	Burnley ...	...
Burdon-Sanderson, J., M.D. ...	London ...	Dr. Allbutt
Beales, R., M.D. ...	Congleton	Great Northern Railway Hotel
Broadbent, S. W., M.R.C.S. ...	South Helton, Durham	Great Northern Rail- way Hotel
Barber, C. S., M.B. ...	Bath ...	Bull and Mouth
Bowes, R., M.R.C.S. ...	Richmond ...	...
Bywater, T. E. G., M.R.C.S. ..	Knottingley ...	...
Broomhead, Geo., L.R.P.S. ...	Girlington	Great Northern Railway Hotel
Bowman, R.M., M.R.C.S.	Ripon ...	...
Braidwood, P. M., M.D.	Birkenhead ...	Bull and Mouth
Bennett, J. Hughes	Edinburgh ...	1, Albion place
Brown-Sequard, C. E., M.D.	Paris ...	22, Park place
Chapman, E., M.A. ...	Oxford ...	Dr. Braithwaite

Name.	Residence.	Leeds Address.
Clayton, M. H., M.R.C.S.	Birmingham	Queen's Hotel
Carter, T. B., M.R.C.S.	Potternewton	
Coote, Holmes C., F.R.C.S.	London	A. Horsfall, Esq., Whitkirk
Chadwick, C., F.R.C.P.	Leeds	
Cooper, Sir H., M.D.	Hull	Queen's Hotel
Cruise, F. R., M.D.	Dublin	T. P. Teale, Esq., Leeds
Charlton, E., M.D.	Newcastle	Dr. Chadwick
Chambers, T., F.R.C.P.	London	6, Lewis street, Pot- ternewton
Crossby, J. P., L.R.C.P.	Leeds	
Cornwall, J., M.R.C.S.	Bath	Harrogate
Carden, H. D., F.R.C.S.	Worcester	22, Park place, Leeds
Corrie, J. J., M.R.C.S.	Leeds	
Craister, T. L., M.R.C.S.	Bramley	
Churton, W., M.R.C.S.,	Lightcliffe, Halifax	Philosophical Hall
Cooke, R. B., F.R.C.S.,	Scarbro'	T. P. Teale, Esq., Leeds
Clark, J., M.D.	Walsall	Queen's Hotel
Copeland, W., M.R.C.S.	Staindrop	Queen's Hotel
Church, W. J., F.R.C.S.	Bath	Queen's Hotel
Cooper, R., M.R.C.S.	Leek	Great Northern Railway Hotel
Clarke, J. C., M.R.C.S.	Gildersome	
Croly, H. G., F.R.C.S.	Dublin	T. P. Teale, Esq., Leeds
Charcote, J. N., M.D.	Paris	Queen's Hotel
Callon, W. T., M.D.	Liverpool	
Call, T. S., L.R.C.P.E.	Ilkley	
Clarke, H., M.D.	Ferry Hill	
Cuming, J., M.D.	Belfast	Queen's
Crompton, S., M.D.	Manchester	Dr. Jas. Braithwaite
Clouston, T. S., M.D.	Garlands, Carlisle	Bull and Mouth
Clapham, E., M.D.	Devizes	St. James' Lodge
Crawford, W. T., M.D.	Green Hammerton	
Christie, T. B., M.D.	Clifton, York	
Cossair, T., M.D.	Darlington	
Chambers, T. K., M.D.	London	Bramley Parsonage
Chorley, Henry M.R.C.S.	Leeds	8, Park square
Dobson, Thomas, M.D.	Holbeck	Leeds
Dobson, William, M.R.C.S.		Leeds
Deville, T., M.D.	Harrogate	Philosophical Hall
Druitt, R., F.R.C.S.	London	Mr. R. Green, Roundhay, Leeds
Desmond, L. E., M.D.	Liverpool	Queen's Hotel, Harrogate
De Meric, Victor, F.R.C.S.	London	Philosophical Hall
Davey, J.G., M.D.	Bristol	Great Northern Railway Hotel
Day, Henry, M.D.	Stafford	Queen's Hotel
Drury, C. D. H., M.D.	Sunderland	Queen's Hotel
Down, L., M.D.	London	46, Springfield place
Davies, J. S., M.R.C.S.	Oswestry	Great Northern Hotel

Name.	Residence.	Leeds Address.
Dickson, W., M.D. ...	London ...	Great Northern Hotel
Davies, E., M.R.C.S., L.S.A. ...	Swansea ...	White Horse
Dixon, J., L.R.C.S. ...	Keighley ...	Mr. Craven, Potternewton
Daly, O., M.D....	Hull ...	..
Dix, J., M.R.C.S. ..	Hull... ..	..
Davies-Colley, T., M.D.	Chester	Great Northern Railway Hotel
Dodsworth, B., M.R.C.S.,	York ..	..
Davies, C. D., M.D. ...	Bury ...	..
Eddison, J. E., M.D. ...	Leeds ...	19, Park square
Eddie, W. H., M.R.C.S.	Barton ...	3, Blenheim terrace, Leeds
Eagland, W. H., M.D. .	Leeds ...	..
Ellis, T. S., M.R.C.S., &c.	Gloucester ..	Queen's
Elliott, G. F., M.D. ...	Hull... ..	..
Ellis, J. R., M.R.C.S. ...	Mirfield ...	Royal Hotel
Embleton, D., M.D. ...	Newcastle ...	Methley, Leeds
Elliott, R., M.D. ...	Carlisle	Mr. Frost's, 7, Lyddon terrace
Eastwood, J. W., M.D. ...	Dinsdale Park, Darlington	
Farr, Wm., M.D., ...	Bickley ...	Dr. Heaton
Falconer, R. W., M.D.	Bath ...	Dr. Chadwick
Fothergill, J. M., M.D.		Bull and Mouth
Fitz Patrick, H., M.D.	West Derby	Dr. Myrtle, High Harrogate
Fielding, J. R., M.R.C.S.	Alfreton ...	Queen's
Farre, Arthur, M.D. ...	London ...	Mr. Hey
Foster, John, F.R.C.S. ...	Bradford ...	..
Folker, W. H., F.R.C.S.	Hanley ...	Victoria Hotel
Frain, Joseph, M.D. ...	South Shields	Great Northern Hotel
Fothergill, J. R., M.D.	Darlington ...	Queen's Hotel
Fuller, William, M.B. ...	Oswestry ...	Queen's Hotel
Fielden, S., L.R.C.P.E. ..	Sildon ...	..
Farrer, R., L.R.C.P., M.R.C.S. ...	Brighouse ...	..
Fox, C. B., M.D. ...	Scarboro' ...	Victoria
Frazer, Wm., M.D. ...	Montreal, Mc Gill College	White Horse
Galton, D., C.B. ...	London ...	45, Park square
Griffith, T. T., ...	Wrexham ...	12, Warwick place
Garlick, William, M.R.C.S.	7, Hyde terrace	
Greenhow, T. M., M.D.	Chapel-Allerton	
Gairdner, W. T., M.D.	Glasgow ...	Dr. Allbutt
Giddings, W. K., L.R.C.P.	Calverley	
Gowans, William, L.R.C.P.S.	South Shields ...	Great Northern Rail- way Hotel
Gibbon, S. I., M.B. ...	London	Great Northern Railway Hotel
Gray, E. B., M.D. ...	Oxford ...	42, Park square

Name.	Residence.	Leeds Address.
Greenwood, J. W., M.R.C.S	Ossett	
Grainger-Stewart, T., M.D....	32, Queen street, Edin- burgh	Queen's Hotel
Greenway, H., M.R.C.S.	Plymouth	Queen's
Goldie, Geo, L.R.C.P...	Kirkstall road, Leeds	
Goyder, D., M.D., L.R.C.S	Bradford	
Hutchinson, J., F.R.C.S.	London	Great Northern Railway Hotel
Hall, W., M.R.C.S. ..	Leeds	
Haughton, S., M.D.	Trinity College, Dublin	Rev. T. R. Shelton, Park square, Leeds.
Holman, C., M.D. ...	Riegate	Queen's Hotel.
Hornby, T., R.G.P. ...		Philosophical Hall
Hall, J. C., M.D. ...	Sheffield	Queen's Hotel
Heath, F. A., M.R.C.S.	Manchester	John Barber, Esq., 12, Cromer terrace
Hutchinson, R. S., M.D.	Scarbro'	Elmete Hall
Hardy, H. G., M.R.C.S.	Byer's Green	9, Oxford Row, Leeds
Heffernan, E., L.R.C.P.E	Spennymoor	9, Oxford row, Leeds
Hirst, S. C., M.R.C.S.	Bowling	Philosophical Hall
Higginson, A. M.R.C.S.	Liverpool ..	Dr. Greenhow's, Chapeltown
Heslop, T. P., M.D. ...	Birmingham	Queen's Hotel
Harrison, R., F.R.C.S.	Liverpool	Victoria Hotel
Hare, C. J., M.D. ...	London	2, Warwick Villas
Heaton, J. D., M.D., F.R.C.P.	Leeds	
Henry, A., M.D. ...	London	
Hey, S., F.R.C.S. ...	Leeds	
Haynes, S., M.D. ...	Laverstock, Salisbury	Great Northern Sta- tion Hotel
Hepworth, W., M.R.C.S.	Guiseley	
Hall, F., M.R.C.S. ...	Leeds	
Horsfall, J., M.R.C.S....	London	Whitkirk
Holmes, F., M.R.C.S....	London	Burmantofts
Hepworth, W. B. M.R.C.S.	Armley	
Handcock, G., M.R.C.S.	Hunslet road, Leeds	
Heaps, J., F.R.C.S. ...	Westgate, Otley ...	
Husband, W. D., F.R.C.S.	York	Queen's Hotel
Hayward, G., M.D. ...	Leeds	
Hirst, C., L.R.C.P.E. ...	Morley	
Hey, William, F.R.C.S.	Albion place	
Haviland, H. J., M.D...	Harrogate	Queen's
Hall, W., F.R.C.S. ...	Lancaster	Queen's
Haigh, T. A., M.R.C.S.	Meltham	
Hemingway, H., Surgeon	Dewsbury	

Name.	Residence.	Leeds Address.
Horton, R. G., M.R.C.S.	Leeds	
Humphreys, J. R., M.R.C.S.	Shrewsbury... ..	Great Northern Hotel
Haxworth, W., M.R.C.S.E.	Kirby Overblow	Oak Villa, Heading- ley
Ikin, J. I., F.R.C.S. ...	19, Park Place	Leeds
Inglis, Alexander, M.D.	Worcester	Queen's Hotel
Jessop, T. R., F.R.C.S.	32, Park Square	Leeds
Jephcott, S. T., M.D. ...	Chester	Queen's Hotel
Jobson, J., F.R.C.S. ...	Bishop Auckland	Great Northern Rail- way hotel
Jewison, T. W., M.R.C.S.E.	Oulton	
Jessop, A., M.R.C.S. ...	Castleford	
Kelley, G. P., M.R.C.S.	Leeds	
Kennedy, E., M.D. ..	Dublin	Queen's Hotel
Kidd, G. H., M.D. ...	Dublin	Great Northern Hotel
King, K., M.D. ...	Hull	
Keyworth, H., M.R.C.S.	York	
Kirby, C., M.R.C.S. ...	Halifax	
Lombard, J. S., M.D. ...	Boston	Great Northern Railway Hotel
Lewis, W., M.D. ...	London	R. Barr
Lingen, C., F.R.C.S. ...	Hereford	Victoria Hotel
Libbey, H. C., M.R.C.S.	Hunslet lane, Leeds	
Little, J., M.D. ...	Dublin	Great Northern Railway Hotel
Lilly, W., M.D. ...	London	5, Great George street
Loe, J. S., M.R.C.S. ...	Woodhouse lane, Leeds	
Lee, H., F.R.C.S. ...	9, Saville row, London	9, Park square, Leeds
Leared, A., M.D. ...	London	2, Albion place
Leeson, J. F., T.R.C.P.	Bradford	Philosophical Hall
Lee, M., M.D. ...	Bradford	Philosophical Hall
Leadman, A., L.A.C. ...		69, Woodhouse lane, Leeds
Lees, S. D., M.D. ...	Ashton-under-Lyne...	Victoria Hotel
Latham, P. W., M.D. ...	Cambridge	Philosophical Hall
Lambert, J., M.R.C.S. .		Farsley, near Leeds
Lunn, W. J., M.D. ...	Hull	Mr. Hodson's, the Docks, Leeds
Leake, J. R., L.R.C.P.	80th Regt., Liverpool	Queen's Hotel
Land, R. T., M.D., M.R.C.S.	108, Meadow lane, Leeds	
Leeming, R. T., M.R.C.S.	Kendall	White Horse Hotel
Lewis, James, F.R.C.S.		Great Northern Railway Station
Lawlie, J. D., M.R.C.S.	Bradford	
Lang, John, M.D. ...	Southport	

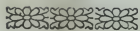
Name.	Residence.	Leeds Address.
Meade, R. H., F.R.C.S.	Bradford	Philosophical Hall
Miall, P., M.R.C.S. ...	Bradford	
Mackie, J., M.R.C.S. ...	Darlington	9, Oxford row
MacNamara, R., P.R.C.S.I.	... ..	Queen's Hotel
Martin, James, F.R.C.S., Pres. I. Med. Ass. ...	Portlaw, Ireland ...	42, Park square
MacKenzie, W. S., L.R.C.P.	Normanton	Philosophical Hall
Martin, W., F.R.C.S. ...	London Great Northern Railway Hotel	
Moriarty, T. B., M.D.	Army	Queen's Hotel
Matterson, W., M.D.	York	Queen's Hotel
Morris, E., M.D. ...	Spalding	E. Bryan, surgeon, near Leeds
Manley, J., M.R.C.S. ...	West Bromwich ...	Queen's Hotel
Marshall, H. H., M.D.	Clifton	Queen's Hotel
Mc Cheane, W., F.R.C.S.	Liverpool	Trinity Parsonage
Miller, H., M.D. ...	Glasgow	West Riding Hotel
Maclagan, J.M., M.D. . .	Edinboro'	Mexboro'
Micklethwaite, B. W., M.R.C.S., L.A.C. ...	Gomersal	
Munroe, H., M.D. ...	Hull	Ward's Hotel
Mac Cormac, W., F.R.C.S.	Belfast	Queen's Hotel
Macleod, G. H. B., M.D., F.R.C.S.	Glasgow	Queen's
Mapother, E. D., M.D.	Dublin	Great Northern Hotel
Mc Intyre, J., M.D. ...	Odiham	Queen's
Mould, J. W., M.R.C.S.	Royal Asylum ...	Cheadle
Morehouse, H. J., L.A.C.S.	Holmfirth	
Medcalf, H. C., M.R.C.S.	Howden	Mr. Pullan's, Hunslet
Martin, Robert, M.D. ...	Warrington	
Nunneley, J. A., M.B.	22, Park place ...	
Nicholson, R. N. B., M.R.C.S.	Hull	
Nevitt, J. G., M.R.C.S.	Chapelton	
Newstead, C. V., M.R.C.S.	Otley	
Nunneley, T., F.R.C.S.E.	Park place	
Nichols, T., M.R.C.S. ...	New Wortley	
Norman, J. W., M.B. . .	Harrogate	Queen's Hotel
Nelson, E. H., M.D. ...	Downpatrick	13, Hillary street
Nowell, James, M.R.C.S.	Woodlesford	
Nankivell, C. B., M.D.	Torquay	Park place
Newstead, G., M.R.C.S.	Eccleshill	
Nicholson, D., M.D. ...	Portland	88, Woodhouse lane
Nevins, J. B., M.D. Lon.	Liverpool	7, Park square
Ness, J., F.R.C.S. ...	Helmsley, Yorkshire	Queen's
Nunneley, F. B., M.D. ..	York	
Norriss, H., L.R.C.P. &c.	Petherton	Hillary House, Leeds
Needham, H., M.D. ...	York	

Name.	Residence.	Leeds Address.
Newman, W., M.D. ...	Stamford	Great Northern Railway Hotel
Nunneley, T., F.R.C.S. ...	22, Park place	.. Leeds
Oglesby, R.P., M.R.C.S.	12, Park square	...
Ogle, W., M.D. ...	Derby	... Queen's Hotel
Price, H. W., M.R.C.S.	28, Park square	...
Prichard, A., F.R.C.S.	Clifton	... Dr. Heaton
Parkinson, Wm., M.R.C.S.	Bradford	...
Parsons, D. W., L.R.C.P.	Liverpool	... Victoria Hotel
Procter, W. B., F.R.C.S.	Bradford	...
Pearson, Rev. T. R. W., B.A. ...	Leeds	... Infirmary
Pollard, Wm, M.R.C.S.	Torquay	... Dr. Rhind, Shipley
Procter, William, M.D.	York	...
Pullan, Richard, L.S.A.	Hunslet	...
Price, W. N., M.R.C.S.	Leeds	...
Philipson, G. H., M.D.	Newcastle	... Victoria Hotel
Pugh, J. L. P., M.R.C.S.	Brighouse	...
Playfair, W. S., M.D. ..	5, Curzon street, London	Elmete Hall, Roundhay Queen's Hotel
Pincoffs, Peter, M.D. ...	Naples	... Queen's Hotel
Perceval, Thomas, M.R.C.S., &c. ...	Riccall, near York	... 5, Vernon road
Pinder, W. M., M.R.C.S.	Horsforth	...
Piper, S. E., F.R.C.S. ...	Darlington	... Mr. Nunneley
Rhodes, G. S., M.R.C.S.	Dewsbury	...
Rhind, S., M.R.C.S. ...	Shipley	...
Richardson, B. W, M.D., F.R.S. ...	London	... Philosophical Hall
Reynolds, J. R., M.D., F.R.S. ...	London	...
Rivington, W., M.S. ...	London	... Great Northern Railway Hotel
Ransome, A., M.D., ...	Manchester	... Queen's Hotel
Routh, C. H. J., M.D.	London	... Great Northern Railway Hotel
Ruddock, J. R., M.R.C.S.	Leeds	...
Rendle, R., M.R.C.S. ...	London	... Great Northern Railway Hotel
Ruddock, W. P., M.R.C.S.	Leeds	...
Rickards, G. H. L., M.R.C.S. ...	Leeds	...
Rogers, Harrison, C. H., F.R.C.S. ...	London	... Mr. Curwood's, De Grey road, Leeds
Robinson, M. K., M.D.	Harrogate	... 16, Corn Exchange, Leeds
Ritchie, T., F.R.C.S. ...	Otley	... Philosophical Hall
Robinson, E., M.R.C.S.		... 42, Park square, Leeds
Roe, J. W., M.D. ...	Ellesmere	... Philosophical Hall
Rumsey, H. W., M.D. .	Cheltenham	... Dr. Chadwick

Name.	Residence.	Leeds Address.
Radclyffe, Hall C., M.D.	Torquay	Mr. Nunneley
Richardson, C., M.R.C.S.	Leeds	13, Skinner lane
Robson, R. W., M.R.C.S.	Durham	Queen's Hotel
Roberts, O., M.D. ...	St. Asaph	Victoria Hotel
Rugg, G. P., M.D. ...	Clapham road, London	Great Northern Rail- way Hotel
Reeves, W. A., M.R.C.S.	London	Victoria Hotel
Roberts, D. N., M.D. ...	Manchester	
Rogers, T. L., M.D. ...	Rainhill	
Rowley, C. O., M.R.C.S.	Silkstone	
Richardson, W., L.P.S.	... ..	White Horse
Ransom, W. H., M.D....	Nottingham	Great Northern Railway Hotel
Roberts, W., M.D. ...	Manchester	
Scattergood, Thomas ...	41, Park square	
Sankey, W. H. O., M.D.	Cheltenham	Queen's Hotel
Seaton, James, L.A.C.S.	North street	
Sabben, J. T., M.D. ..	London	Great Northern Hotel
Sharpe, G. M., L.R.C.P.	Hunslet	
Scott, William, M.R.C.S.	Holbeck	
Simpson, Henry, M.D.	Manchester	
Sadler, P. L.	Warrington	Harrogate
Southam, G., F.R.C.S.	Manchester	Dr. Nunneley
Smeddle, Robert, L.S.A.	Sheldon	24, Grove terrace
Smith, G. P., M.D. ...	Mount Stead	Leeds Club
Smith, Thomas, M.D. ...	Cheltenham... ..	7, Cromer terrace
Smith, F. A. A., M.D.	do.	do.
Stewart, A. P., M.D. ...	London	Dr. Heaton's
Smith, Protheroe, M.D.,	London	Victoria Hotel
Seaton, Joseph, M.D. ...	Sunbury	Great Northern Hotel
Slessor, Charles, M.D.	Bramley	
Stewart, H. H., M.D. ...	Dublin	13, Hillary Street
Spratley, Samuel, M.D.	Rock Ferry... ..	Queen's Hotel, Leeds, and Gascoigne's, Harrogate
Samuels, Arthur, M.D.	Liverpool	Victoria Hotel
Steel, A. B., L.R.C.P. ...	Liverpool	Prince of Wales', Harrogate
Sykes, Richard, S.A.C.	Drighlington	
Simpson, J. H., M.R.C.P.	Pontefract	
Stokes, William, M. D.	Dublin	T. P. Teale's
Stearns, J., M.D. ...	Boston, America	Great Northern Hotel
Sykes, J., M.D. ...	Doncaster	
Storrs, R., L.P.C.S. ...	Doncaster	
Senior, R., M.R.C.S. ...	Bowden, Cheshire	
Sykes, B. C., M.D., R.R.C.P.	Cleckheaton... ..	
Sibson, F., M.D. ...	London	Mr. Hey's
Smith, T. Heckstall F.R.C.S.	St. Mary Cray	Queen Hotel
Simpson, Sir J., Bart., M.D.	Edinboro'	Mr. Nunneley

Name.	Residence.	Leeds Address.
Stonehouse, Edward, M.R.C.S.	Horsforth	
Spencer, H., M.R.C.S. ...	Bradford	
Squire, Wm., L.R.C.P. ...	London	Bramhope Hall
Shann, G., M.D.	York	
Teale, T. P., F.R.C.S. ...	Leeds	
Tilt, E. J., M.D.	London	31, Albion Street, Leeds
Thorburn, J., M.D.	Manchester	
Turton, F., L.R.C.P.	Wolverhampton	Queen's Hotel, Leeds
Turner, W., M.R.C.S.	Liverpool	Queen's Hotel
Teale, J., M.R.C.S.	31, Albion street, Leeds	
Thomas, R., L.S.A.	Rawdon	
Terry, J. M., M.R.C.S. .	Bradford	
Thornton, W. H., M.D. .	Dewsbury	
Turner, G., M.D.	Stockport	Wellington Hotel
Trehella, H. E., M.D.	Headingley	
Terry, H., Jun., M.R.C.S	Northampton	Queen's Hotel
Townson, B., M.R.C.S.	Liverpool	
Tait, Lawson, L.R.C.S.	Wakefield	Rectory, Adel
Thwaites, T. B., M.R.C.S.	Bishop Auckland ...	Thorner
Tuke, Harrington, M.D.	London	D. Brown, Wakefield Asylum
Turner, G., M.D.	Stockport	Queen's
Taylor, M. W., M.D.	Penrith	Bull and Mouth
Tacey, W. G., L.S.A.S.	Bradford	
Taylor, J. M., F.R.C.S.	Leeds Barracks	
Taylor, R. H., M.D.	Liverpool	Great Northern Railway Hotel
Underhill, T., M.R.C.S.	Great Bridge	Queen's Hotel
Umpleby, H., M.D.	Edinburgh	105, Meadow lane
Umpleby, H., M.D.	Bedale	105, Meadow lane
Upton, T. S., M.R.C.S.		
L.A.C.	Tadcaster	
Williams, T. W.,	Birmingham	Mr. Wheelhouse, 42, Park square
Wright, C. J., M.R.C.S.	Leeds	2, Park square
Wiltshire, A., M.D.	London	21, Great George street, Leeds
Watess, A. T. H., M.D.	Liverpool	Great Northern Railway Station Hotel
Wilkinson, E., M.D.	Manchester	Queen's Hotel
Wilson, C. B., M.R.C.S.	Liverpool	Trinity Parsonage
Weaver, F. P., M.D.	Frodsham	House of Recovery, Leeds
Webster, G., M.D.	London	Victoria Hotel
Waters, E., M.D.	Chester	Dr. Nunneley, Leeds
Wheelhouse, C. G., F.R.C.S.	Leeds	
Wrench, E. M., M.R.C.S.	Barlow, Chesterfield	Rev. E. Jackson, Brunswick place

Name.	Residence.	Leeds Address.
Wright, F., M.R.C.S. ...	Stamford Bridge ...	Eccleshill
Williams, E., M.D. ...	Wrexham ...	Victoria Hotel
Wright, T. G., M.D. ...	Wakefield ...	
Ward, J. B., B.A., M.B.	Wakefield ...	Denison Hall, Leeds
Watts, W. F., M.R.C.S.	Dewsbury ...	
Walker, G. E., F.R.C.S.	Liverpool ...	Victoria Hotel
Wood, W., M.D. ...	London	Great Northern Railway Hotel
Wylie, Wm., M.D. ...	Skipton ...	2, Blenheim square
Webster, B., M.D. ...	Alderley Edge ...	
Wright, J. H., M.R.C.S.	Halifax ...	
Whytehead, H. Y., M.D.	Beverley ...	
Wallace, J., M.D. ...	Liverpool ...	Bull and Mouth
Wilkinson, W. C., F.R.C.S. ...	Spalding	Great Northern Railway Hotel
Wilkinson, Wm., M.R.C.S. ...	Hartshill ...	Queen's Hotel
Warburton, E., M.R.C.S.	Pateley Bridge ...	2, Blenheim square
Whitehead, James, M.D.	Manchester ...	
Young, G. E., M.D. ...	Leeds ...	



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LEEDS, 1869.



BRITISH MEDICAL ASSOCIATION,

THIRTY-SEVENTH ANNUAL MEETING.

DAILY JOURNAL.

No. IV.

FRIDAY Morning, 30th July.

MEMBERS ARE REQUESTED, IMMEDIATELY after their arrival, to enter their Names and Addresses in the Address Book, at the Reception-room in the Philosophical Hall, Park Row, where they will obtain all the necessary tickets and any information they require.

MEMBERS WHO WISH TO READ PAPERS, of which they have not already given notice, are requested to send them at once to the General Secretary, Secretaries' Room, Town Hall, together with a short abstract for publication in the Journal.

THE ANNUAL MUSEUM in the School of Medicine, Park Street, is now open: a short catalogue will be found in the Programme issued with each ticket. Members who have brought Preparations or Instruments are requested to send them at once to the Museum by one of the Messengers in attendance at the Reception-room.

LISTS OF HOTELS AND RESTAURANTS, AND OF PLACES OF INTEREST in and near Leeds, the Medical Charities, the News Rooms, Libraries, and Manufactories open to all Members of the Association, are also given in the Programme.

THERE WILL BE A TABLE D'HOTE at 6.0 p.m., on Wednesday and Friday, at the Queen's Hotel and at the G. N. R. Station Hotel, price 3s. 6d. Names should be given to the Clerk at the Reception-room, not later than 3 o'clock each afternoon.

PARCELS, &c., may be left in the Reception-room, in charge of the Clerks.

LETTERS AND TELEGRAMS may be written at the Reception-room and in the Annual Library.

THE POST OFFICE AND TELEGRAPH OFFICES are in Park Row. Arrangements have been made for the reception and delivery of Letters at the Reception-room.

All Communications intended for insertion in the DAILY JOURNAL should be sent to DR. EDDISON, SECRETARIES' ROOM, TOWN HALL.

Officers of the Association.

President:—CHARLES CHADWICK, M.D., F.R.C.P., *Senior Physician to the Leeds Infirmary.*

President Elect:—EDWARD CHARLTON, M.D., *Physician to the Newcastle Infirmary.*

President of Council:—W. D. HUSBAND, F.R.C.S.

Treasurer:—R. WILBRAHAM FALCONER, M.D., F.R.C.P.

General Secretary:—T. WATKIN WILLIAMS, F.R.C.S.

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Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFORD ALLBUTT, M.A., M.D., H. CHARLTON BASTIAN, M.D., F.R.S.

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SECTION D.—PHYSIOLOGY.—*President*—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

Secretaries—E. CHAPMAN, M.A., H. POWER, M.B.

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Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

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J. E. EDDISON, M.D., 19, *Park Square.*

C. G. WHEELHOUSE, 42, *Park Square.*

JAS. SEATON, *North Street.*

JNO. A. NUNNELEY, 22, *Park Place.*

Local Treasurer:—J. D. HEATON, M.D., F.R.C.P.

Meetings to-day, Friday, July 30th.

- 9 A.M.—Important Meeting of Committee of Council, in the Town Hall.
 10 A.M.—**Fourth General Meeting.**—ADDRESS IN SURGERY, Thomas Nunneley, Esq., F.R.C.S.—Lecture Room, Philosophical Hall.
 11 A.M.—MEETINGS OF SECTIONS—Town Hall.
 3.30 P.M.—CONCLUDING GENERAL MEETING—Council Chamber, Town Hall.
 9 P.M.—CONVERSAZIONE—Philosophical Hall.

Business of Sections to-day, Friday.

All Meetings of Sections will be held in the Town Hall.

No Paper may occupy more than Twenty minutes in delivery. No subsequent speaker may exceed Ten minutes.

SECTION A.—MEDICINE. (*Civil Court.*)

President—W. T. GAIRDNER, M.D.

Vice-Presidents—J. T. BANKS, M.D., J. D. HEATON, M.D., F.R.C.P.

Secretaries—T. CLIFFORD ALLBUTT, M.A., M.D., H. CHARLTON BASTIAN, M.D., F.R.S.

WALLACE, J., M.D. : “On Hydrothorax and Empyema; Thoracentesis and forcible extraction of the Fluid by Suction; with cases.”

MULVANY, J., M.D. : “On Permanganate of Potassa in Neuralgia and Crude Tubercle.”

LEAKE, J. R., M.R.C.S. : “On the Treatment of Palpitation with Delirium by Digitalis.”

ROBERTSON, W. H., M.D. : “Commentary on the Report of the Edinburgh Committee of the British Medical Association, entitled,—‘Researches into the action of Mercury, Podophyllin, and Taraxacum, on the Biliary Secretion,’ by Jno. Hughes Bennett, M.D., F.R.S.E., Chairman and Reporter; Extracted from the Report of the British Association for 1868.”

ANSTIE, F. E., M.D. : “On the Principles of so-called Counter-irritation.”

BASTIAN, H. CHARLTON, M.D., F.R.S. : “Notes on the Pathology and Treatment of Chorea.”

RUTHERFORD, W., M.D. : “On some Electrical Apparatus for Therapeutical purposes.”

Papers Read Yesterday in this Section.

REYNOLDS, J. R., M.D., F.R.S. : “Certain forms of Paralysis, depending on Idea.”

ANDERSON, M'CALL, M.D. : “On some of the more recent Methods of Treating certain Diseases of the Skin.”

MYRTLE, A. S., M.D. : “On Hydro-therapeutics; the resources of Harrogate specially considered.”

CUMMING, JAMES, M.D. : “On some points in the Pathology of Delirium Tremens.”

SECTION B.—SURGERY. (*Crown Court.*)*President*—WILLIAM HEY, F.R.C.S.*Vice-Presidents*—GEO. SOUTHAM, F.R.C.S., W. STOKES, Jun., M.D.*Secretaries*—W. FAIRLIE CLARKE, M.B., T. R. JESSOP, F.R.C.S.

✓ MOORE, C. H., F.R.C.S. : "On certain causes of Mammary Cancer."

LITTLE, P. C., F.R.C.S.I. : "On railway and other accidents; with cases and observations."

✓ RENDLE, RICHARD, M.R.C.S. : "On the Use of Protoxide of Nitrogen in General Surgery, and on a New Mode of Producing Rapid Anaesthesia."

HINTON, JAS. : "Catarrh of the Tympanum."

LAND, R. T., M.D. : "A case of Femoral Aneurism successfully treated by Ligature of the External Iliac Artery."

✓ RICHARDSON, B. W., M.D. : "On a Pocket Bellows for Artificial Respiration with Notes on the extended application of artificial respiration in practice."

LEE, HENRY, F.R.C.S. : "On Albumen in the Urine after Surgical Operations."

MURRAY, W., M.D. : "On a Case of False Anus, treated by a new and successful method."

HEMINGWAY, C. A., M.R.C.S. : "On the Reduction of Compound Fracture with Protrusion of Bone, by the Use of the Lever."

JESSOP, T. R., F.R.C.S. : "Short Notice of a fatal case of Emphysema, produced by violent Screaming."

Papers Read Yesterday in this Section.

TEALE, T. PRIDGIN, M.A., F.R.C.S. : "A demonstration of Rectangular Stumps."

MACLEOD, G. H. B., M.D. : "On Amputation at the Ankle-joint."

RICHARDSON, B. W., M.D. : "Note on a new method of Painless Cutting in Surgery."

TAYLOR, C. B., M.D. : "Brief Notes (on Cataract Extraction) from Berlin, Wiesbaden, and Utrecht."

DE MERIC, VICTOR, M.D., F.R.C.S. : "On cases of Syphilitic Affection of the Third Nerve, producing Mydriasis with and without Ptosis."

LUND, EDWARD, F.R.C.S. : "On the Use of Antiseptic Cere-Cloth for Covering Wounds."

SECTION C.—MIDWIFERY. (*Law Library.*)*President*—ARTHUR FARRE, M.D., F.R.S.*Vice-Presidents*—S. BERRY, L.R.C.P., F.R.C.S., W. O. PRIESTLEY, M.D.*Secretaries*—G. H. KIDD, M.D., J. THORBURN, M.D.

No Papers will be read in this Section To-day.

Papers Read Yesterday in this Section.

SIMPSON, SIR JAMES Y. : "Remarks on a Cephalotribe."

HICKS, J. B., M.D., F.R.S. : "On the use of the Intra-uterine Douche in Offensive Lochia, as a rule of practice."

BARNES, DR. : "On the use of Perchloride of Iron in Uterine Hæmorrhage."

HICKS, J. B., M.D., F.R.S. : "Cases showing the use of Perchloride of Iron in flooding."

SQUIRE, WM., L.R.C.P. : "On the temperature variations occasioned by Vaccination, and its effects on the health of infants."

SMITH, PROTHEROE, M.D. : "An Aid to Parturition, and to the Treatment of Displacement of the Uterus by a new Mechanical Appliance."

SECTION D.—PHYSIOLOGY. (*Grand Jury Room, up stairs.*)

President—J. HUGHES BENNETT, M.D., F.R.S.E.

Vice-Presidents—LIONEL S. BEALE, M.B., F.R.S., A. T. H. WATERS, M.D.

Secretaries—E. CHAPMAN, M.A., H. POWER, M.B.

BROWN-SEQUARD, DR. : Continuation of "Remarks on Epilepsy, accompanied by experiments."

BAIN, W. P., M.D. : "On a Portable Spirometer, with a short demonstration of the different modes of Artificial Respiration."

NICHOLSON, D., M.D. : "On the Body Weight and Urea in a case of Starvation."

TUKE, J. B., M.D. : "On the Morbid Appearances met with in the Brain of the Insane."

DE MERIC, VICTOR, M.D., F.R.C.S. : "On cases of Syphilitic Affection of the Third Nerve, producing Mydriasis with and without Ptosis."

TAYLOR, R. HIBBERT, M.D. : "A case of poisoning with Extract of Belladonna, with detailed account of Post Mortem appearances."

Papers Read Yesterday in this Section.

BROWN-SEQUARD, DR. : "Remarks on Epilepsy."

BROADBENT, W. H., M.D. : "A brief account of a recent Investigation of the Structure of the Cerebral Hemisphere, with remarks."

ELLIOT, R., M.D. : "Does the adjustment of the eye, to vision at different distances, depend on temporary changes in the magnifying power of the eye, either by alterations in the form or position of the lens, or other parts in the dioptric system of the eye?"

ELLIOT, R., M.D. : "Do the movements of the Iris, by permitting only the more central and practically parallel rays of the optic cone or pencil of light, to reach the fovea centralis, on the anterior surface of the sensitive layer of rods and bulbs,—and by thus affording a sharp and well defined image of an object, whether near or far off—not perfectly explain the voluntary power of adjusting the eye to the distinct vision of objects at various distances?"

TAIT, LAWSON, L.R.C.P., ED. : "On Idio-Muscular Contraction."

SECTION E.—STATE MEDICINE. (*Council Chamber.*)

President—W. FARR, M.D., D.C.L., F.R.S.

Vice-Presidents—E. D. MAPOTHER, M.D., A. P. STEWART, M.D.

Secretaries—G. H. PHILIPSON, M.D., A. WILTSHIRE, M.D.

KENNEDY, EVORY, M.D. : "On Zymotic Disease and Hospitalism, especially as illustrated by Puerperal Fever."

COOTE, HOLMES, F.R.C.S. : "On Hospitalism."

BIRKETT, JNO., F.R.C.S. : "On the causes of death after amputations of the limbs in Hospitals."

DICKSON, WALKER, M.D. : "On the Extension of the Contagious Diseases' Act to Commercial Ports, and other measures for the improvement of the Sanitary condition of the Mercantile Marine."

MORIARTY, T. B., Staff-Surgeon : "On the Absence of Typhus and Typhoid Fever in Tropical Africa."

CRAISTER, T. L, M.R.C.S. : "On an outbreak of Typhoid Fever at Bramley."

Papers Read Yesterday in this Section.

BALLARD, E., M.D. : "The Defects of the Sanitary Acts."

DAVIES, T., M.R.C.S. : "Four Years' Experience as a Health Officer in Bristol."

DYKE, T. J., F.R.C.S. : "On the Practical Working of the Sanitary Act of 1866, and the Diseases Prevention Act of 1865."

BALLARD, EDWARD, M.D. : "On the evils arising from the present mode of taking Medical and Scientific Evidence in our Courts of Justice."

BATEMAN, F., M.D. : "Is it proper that Medical Men should be compelled to divulge in Courts of Justice, facts of a criminal nature which may have become known to them in answer to strictly professional questions?"

Paper received since the General List was printed.

HEWLETT, DR., Health Officer of Bombay : "On the Sanitary State of Bombay."

BUSINESS DONE YESTERDAY.

The Third General Meeting was held : the Reports of Committees and the Report from the Representation Committee were read.

Captain GALTON read a Paper on Hospital Construction, and a long discussion followed.

Dr. BEATTY read an address in Midwifery.

The Public Dinner of the Association was held in the Town Hall at Six p.m.





BRITISH MEDICAL ASSOCIATION.

NAMES AND ADDRESSES OF MEMBERS,

Received at the Reception Room, Philosophical Hall, Leeds.

July 29th, 1869.

Members are requested to furnish the Address Clerk, at the Reception Room, with any corrections of, or additions to, this List.

Name.	Residence.	Leeds Address.
Allbutt, T. C., M.A., M.D.		Leeds
Anderson, Mc Call, M.D.	Glasgow ...	Queen's Hotel, Harrogate
Adams, W. L., M.B.	Cork ...	.. Dr. W. Braithwaite
Atkinson, E., M.R.C.S.	2, Albion place ...	Leeds
Askwith, Robert, M.D.	Cheltenham ...	Philosophical Hall
Armstrong, L., M.R.C.S.	South Shields ...	Mr. Glover, Little Woodhouse
Arlidge, J. T., M.D., M.R.C.P.	Newcastle ..	Queen's Hotel
Ackroyd, George, M.R.C.S.		Woodhouse lane, Leeds
Alexander, Wm., M.D., M.R.C.P.	Newcastle ...	Dr. Chadwick's
Allan, W. W., L.R.C.P.	Guiseley ...	Near Leeds
Atkinson, G. P., M.R.C.S.	Pontefract ...	
Abraham, J., M.R.C.S.	Harrogate ...	
Alder, S., M.R.C.S. ...	Wakefield ...	2, Park square, Leeds
Anstie, F. E., M.D. ...	London ...	G. N. Station Hotel
Armistead, J. Wm., M.R.C.S.	Leeds ...	
Acland, H. W., M.D. ...	Oxford ...	.. Dr. Chadwick's
Armitage, Sam. Harris, M.D.	Scarbro' ...	
Beatty, T. E., M.D. ...	Dublin ...	Gledhow wood
Bastian, H. C., M.D. ...	London ...	38, Park square
Begley, W. C., M.D. ...	Hanwell ...	Queen's Hotel
Barnes, Henry, M.D. ...	Carlisle ...	Bull and Mouth Hotel

Name.	Residence.	Leeds Address.
Beardshaw, Ralph, M.R.C.S. ...	Leeds ...	...
Braithwaite, James, M.D.	Leeds ..	...
Browne, J. C., M.D. ...	Wakefield ...	...
Bell, D., Rev., M.D., C.M. ...	Goole ...	25, G. N. Station Hotel
Barker, J., F.R.C.S.E.	Warwick ...	Victoria Hotel
Bateman, F., M.D. ...	Norwich ...	Queen's Hotel
Bartrum, J. S., F.R.C.S.	Bath ...	Headingley House
Ballard, E., M.D. ...	Islington ...	21, Gt. George street
Bainbridge, F., M.R.C.S.	Harrogate ...	G. N. Station Hotel
Bagnall, S. F., M.R.C.S.	Leeds ...	..
Barfleet, E., F.R.C.S. ...	Gloucester ...	Victoria Hotel
Bealey, A., M.D. ...	Harrogate ...	Queen's Hotel
Branson, F., M.D. ...	Baslow, Chesterfield	Rev. E. Jackson's
Baker, J. W., M.R.C.S.	Derby ...	Queen's Hotel
Bott, T. B., M.D. ...	Bury ...	Wharton's Hotel
Bartlett, W., F.R.C.S. ...	London ...	G. N. Station Hotel
Broadbent, W. H., M.D.	London ...	Dr. Allbutt's
Beatty, J. G., L.K.Q.C.P.	Dublin ...	G. N. Station Hotel
Balding, D. B., F.R.C.S.	Royston ...	Queen's Hotel
Blanc, H., M.D., F.R.C.S.	London ...	Queen's Hotel
Bryan, E., M.R.C.S. ...	Idle ...	...
Bell, J. H., M.D. ...	Bradford ...	...
Bain, W.P., M.D. ...	Poplar ...	G. N. Station Hotel
Barclay, J., M.D. ...	Leicester ...	35, Park Square, Leeds
Bennet, J. H., M.D. ..	London ...	Albion place, Leeds
Banks, J. T., M.D. ...	Dublin ...	Dr. Heaton's, Claremont
Beecroft, S., F.R.C.S. ...	Hyde, Manchester ...	...
Blythman, R. O., M.R.C.S. ...	Swinton, Rotherham	...
Blythman, C. S., M.B., C.M., M.R.C.S.	Swinton, Rotherham	...
Bennett, W., M.D. ...	Harrogate ...	Queen's Hotel
Bridges, J. H., F.R.C.P.	Bradford ...	...
Buchanan, G., M.D. ...	Glasgow ...	Mr. Seaton's
Briggs, H., M.D. ...	Burnley ...	...
Beales, R., M.D. ...	Congleton ...	G. N. Station Hotel
Broadbent, S. W., M.R.C.S. ...	South Hetton, Durham	G.N. Station Hotel
Barter, C. S., M.B. ...	Bath ...	Bull and Mouth Hotel
Bowes, R., M.R.C.S. ...	Richmond ...	...
Bywater, T. E. G., M.R.C.S. ...	Knottingley ...	...
Broomhead, Geo., L.F.P.S. ...	Girlington ...	G. N. Station Hotel
Bowman, R.M., M.R.C.S.	Ripon ...	...
Braidwood, P. M., M.D.	Birkenhead ...	Bull and Mouth Hotel
Bennett, J. Hughes	Edinburgh ...	1, Albion place
Brown-Sequard, C. E., M.D.	Paris ...	22, Park place
Branson, H. John, M.D.	Doncaster ...	...

Name.	Residence.	Leeds Address.
Barnes, R., M.D. ...	31, Grosvenor street, London ...	Mr. W. N. Price, East parade
Bull, H. G., M.D. ...	Hereford ...	Queen's Hotel
Berry, Professor, F.R.C.S., Eng.	Birmingham ...	Queen's Hotel
Chapman, E., M.A. ...	Oxford ...	Dr. J. Braithwaite's
Clayton, M. H., M.R.C.S.	Birmingham ...	Queen's Hotel
Carter, T. B., M.R.C.S. .	Potternewton ...	
Coote, Holmes, F.R.C.S.	London ...	Mr. A. Horsfall's, Whitkirk
Chadwick, C., F.R.C.P., M.D.	Leeds ...	
Cooper, Sir H., M.D. ...	Hull... ..	Queen's Hotel
Cruise, F. R., M.D. ...	Dublin ...	Mr. T. P. Teale's, Leeds
Charlton, E., M.D. ...	Newcastle ...	Dr. Chadwick's
Chambers, T., L.R.C.P. .	London ...	6, Lewis street, Pot- ternewton
Crossby, J. P., L.R.C.P.	Leeds ...	
Cornwall, J., M.R.C.S. .	Bath ...	Harrogate
Carden, H. D., F.R.C.S.	Worcester ...	22, Park place, Leeds
Corrie, J. J., M.R.C.S.	Leeds ...	
Craister, T. L., M.R.C.S.	Bramley ...	
Churton, W., M.R.C.S.,	Lightcliffe, Halifax...	Philosophical Hall
Cooke, R. T. E. B., F.R.C.S.	Scarbro' ...	Mr. T. P. Teale's, Leeds
Clark, J., M.D. ...	Walsall ...	Queen's Hotel
Copeland, W., M.R.C.S.	Staindrop ...	Queen's Hotel
Church, W. J., F.R.C.S.	Bath ...	Queen's Hotel
Cooper, R., M.R.C.S. ...	Leek ...	G. N. Station Hotel
Clarke, J. C., M.R.C.S.	Gildersome ...	
Croly, H. G., F.R.C.S...	Dublin ...	Mr. T. P. Teale's, Leeds
Charcote, J. N., M.D.	Paris ...	Queen's Hotel
Callon, W. T., M.D. ...	Liverpool ...	
Call, T. J., L.R.C.P.E...	Ilkley ...	
Clarke, H., M.D. ...	Ferry Hill ..	
Cuming, J., M.D. ...	Belfast ...	Queen's Hotel
Crompton, S., M.D. ...	Manchester ...	Dr. Jas. Braithwaite
Clouston, T. S., M.D. ...	Garlands, Carlisle ...	Bull and Mouth Hotel
Clapham, E., M.D. ..	Devizes ...	St. James' Lodge
Crawford, W. T., M.D.	Green Hammerton...	
Christie, T. B., M.D. ...	Clifton, York ...	
Cossar, T., M.D. ...	Darlington ...	
Chambers, T. K., M.D...	London ...	Bramley Parsonage
Chorley, Henry M.R.C.S.	Leeds ...	8, Park square
Corfield, W. H., M.B., Oxon... ..	University College, London ...	Dr. Wiltshire's, 21, Great George street
Clark, S., L.R.C.P.E. ..	Whitworth, Ferryhill	
Callender, G. Wm., F.R.C.S.	London ...	
Colley, T. Davies, M.D.	Chester ...	G. N. Station Hotel

Name.	Residence.	Leeds Address.
Dobson, Thomas, M.D.	Holbeck ...	Leeds
Dobson, William, M.R.C.S.		Leeds
Deville, T., M.D. ...	Harrogate ...	Philosophical Hall
Druitt, R., F.R.C.S. ...	London Mr. R.	Green's, Roundhay, Leeds
Desmond, L. E., M.D....	Liverpool ...	Queen's Hotel, Harrogate
De Meric, Victor, F.R.C.S.	London ...	Philosophical Hall
Davey, J.G., M.D. ...	Bristol ...	G. N. Station Hotel
Day, Henry, M.D. ...	Stafford ...	Queen's Hotel
Drury, C. D. H., M.D.	Sunderland ...	Queen's Hotel
Down, L., M.D. ...	London ...	46, Springfield place
Davies, J. S., M.R.C.S.	Oswestry ...	G. N. Station Hotel
Dickson, W., M.D. ...	London ...	G. N. Station Hotel
Davies, E., M.R.C.S., L.S.A. ...	Swansea ...	White Horse Hotel
Dixon, J., L.R.C.S. ...	Keighley ...	Mr. Craven's, Potternewton
Daly, O., M.D....	Hull ...	
Dix, J., M.R.C.S. ..	Hull... ..	
Dodsworth, B., M.R.C.S.,	York ..	
Davies, C. D., M.D. ...	Bury ...	
Day, W. Henry, L.R.C.P.	Wakefield... ..	
Davies, D., M.R.C.S. ...	2, Queen square, Bristol	White Horse
Eddison, J. E., M.D. ...	Leeds ...	19, Park square
Eddie, W. H., M.R.C.S.	Barton ...	3, Blenheim terrace, Leeds
Eagland, W. H., M.D. .	Leeds ...	
Ellis, T. S., M.R.C.S., &c.	Gloucester ..	Queen's Hotel
Elliott, G. F., M.D. ...	Hull... ..	
Ellis, J. R., M.R.C.S. ...	Mirfield ...	Royal Hotel
Embleton, D., M.D. ...	Newcastle ...	Methley, Leeds
Elliott, R., M.D. ...	Carlisle	Mr. Frost's, 7, Lyddon terrace
Eastwood, J. W., M.D...	Dinsdale Park,	Darlington
Ellis, J., L.F.P... ..	Glasgow ...	Heckmondwike
Evans, Sam. H., M.R.C.S.	Derby ...	
Farr, Wm., M.D., ...	Bickley ...	Dr. Heaton's
Falconer, R. W., M.D.	Bath ...	Dr. Chadwick's
Fothergill, J. M., M.D.		Bull and Mouth Hotel
Fitz Patrick, H., M.D.	West Derby	Dr. Myrtle, High Harrogate
Fielding, J. R., M.R.C.S.	Alfreton ...	Queen's Hotel
Farre, Arthur, M.D. ...	London ...	Mr. Hey's
Foster, John, F.R.C.S...	Bradford ...	
Folker, W. H., F.R.C.S.	Hanley ...	Victoria Hotel
Frain, Joseph, M.D. ...	South Shields ...	G. N. Station Hotel
Fothergill, J. R., M.D.	Darlington ...	Queen's Hotel
Fuller, William, M.B...	Oswestry ...	Queen's Hotel
Fielden, S., L.R.C.P.E ..	Shildon ...	
Farrer, R., L.R.C.P., M.R.C.S. ...	Brighouse ...	

Name.	Residence.	Leeds Address.
Fox, C. B., M.D.	Scarboro' ...	Victoria Hotel
Frazer, Wm., M.D.	Montreal, Mc Gill College	White Horse Hotel
Galton, D., C.B.	London ...	45, Park square
Griffith, T. T., F.R.C.S.	Wrexham ...	12, Warwick place, Leeds
Garlick, William, M.R.C.S.	7, Hyde terrace	
Greenhow, T. M., M.D.	Chapel-Allerton	
Gairdner, W. T., M.D.	Glasgow ...	Dr. Allbutt's
Giddings, W. K., L.R.C.P.	Calverley	
Gowans, William, L.R.C.P.S.	South Shields ...	G. N. Station Hotel
Gibbon, S., Jun., M.B.	London ...	G. N. Station Hotel
Gray, E. B., M.D.	Oxford ...	42, Park square
Greenwood, J. W., M.R.C.S.	Ossett ...	
Greenway, H., M.R.C.S.	Plymouth ...	Queen's Hotel
Goldie, Geo, L.R.C.P...	Kirkstall road, Leeds	
Goyder, D., M.D., L.R.C.S.	Bradford ...	
Garstang, Walter, M.D.	Blackburn ...	
Gibb, C. J., M.D.	Newcastle-on-Tyne...	Harrogate
Hutchinson, J., F.R.C.S.	London ...	G. N. Station Hotel
Hall, W., M.R.C.S.	Leeds ...	
Haughton, S., M.D.	Trinity College, Dublin	Rev. T. R. Shelton's, Park square, Leeds
Holman, C., M.D.	Reigate ...	Queen's Hotel
Hornby, T., R.G.P.	Pocklington	Philosophical Hall
Hall, J. C., M.D.	Sheffield ...	Queen's Hotel
Heath, F. A., M.R.C.S.	Manchester ...	Mr. John Barber's, 12, Cromer terrace
Hutchinson, R. S., M.D.	Scarbro' ...	Elmete Hall
Hardy, H. G., M.R.C.S.	Byer's Green ...	9, Oxford Row, Leeds
Heffernan, E., L.R.C.P.E	Spennymoor ...	9, Oxford row, Leeds
Hirst, S. C., M.R.C.S.	Bowling ...	Philosophical Hall
Higginson, A. M.R.C.S.	Liverpool ..	Dr. Greenhow's, Chapeltown
Heslop, T. P., M.D.	Birmingham ...	Queen's Hotel
Harrison, R., F.R.C.S.	Liverpool ...	Victoria Hotel
Hare, C. J., M.D.	London ...	2, Warwick Villas
Heaton, J. D., M.D., F.R.C.P.	Leeds ...	
Henry, A., M.D.	London ...	
Hey, S., F.R.C.S.	Leeds ...	
Haynes, S., M.D.	Laverstock, Salisbury	G. N. Station Hotel
Hepworth, W., M.R.C.S.	Guiseley ...	
Hall, F., M.R.C.S.	Leeds ...	
Horsfall, J., M.R.C.S...	London ...	Whitkirk
Holmes, F., M.R.C.S...	London ...	Burmantofts
Hepworth, W. B. M.R.C.S.	Armley ...	

Name.	Residence.	Leeds Address.
Handcock, G., M.R.C.S.	Hunslet road, Leeds	
Heaps, J., M.R.C.S. ...	Westgate, Otley ...	
Husband, W. D., F.R.C.S.	York ...	Queen's Hotel
Hayward, G., M.D. ...	Leeds ...	
Hirst, C., L.R.C.P.E. ...	Morley ...	
Hey, William, F.R.C.S.	Albion place ...	
Haviland, H. J., M.D. ...	Harrogate ...	Queen's Hotel
Hall, W., F.R.C.S. ...	Lancaster ...	Queen's Hotel
Haigh, T. A., M.R.C.S.	Meltham ...	
Hemingway, H., Surgeon	Dewsbury ...	
Horton, R. G., M.R.C.S.	Park square ...	Leeds
Humphreys, J. R., M.R.C.S. ...	Shrewsbury ...	G. N. Station Hotel
Haxworth, W., M.R.C.S.E. ...	Kirby Overblow ...	Oak Villa, Heading- ley
Hall, Radclyffe C., M.D.	Torquay ...	Mr. Nunneley's
Halliday, J., M.R.C.S. ...	Burley road ...	Leeds
Hicks, J. D., M.B., F.R.S. ...	London ...	G. N. Station Hotel
Harrison, C. H. Rogers, F.R.C.S. ...	London ...	Mr. Curwood's, De Grey road, Leeds
Ikin, J. I., F.R.C.S. ...	19, Park Place ...	Leeds
Inglis, Alexander, M.D.	Worcester ...	Queen's Hotel
Jessop, T. R., F.R.C.S.	32, Park Square ...	Leeds
Jephcott, S. T., M.D. ...	Chester ...	Queen's Hotel
Jobson, J., F.R.C.S. ...	Bishop Auckland ...	G. N. Station Hotel
Jewison, T. W., M.R.C.S.E.	Oulton ...	
Jessop, A., M.R.C.S. ...	Castleford ...	
Jefferson, Rd., M.R.C.S.	Market Weighton ...	
Jenner, Sir Wm., Bart., M.D., F.R.S. ...	London ...	Dr. Chadwick's
Johnson, Christopher, F.R.C.S. ...	Lancaster ...	
Kelley, G. P., M.R.C.S.	Leeds ...	
Kennedy, E., M.D. ..	Dublin ...	Queen's Hotel
Kidd, G. H., M.D. ...	Dublin ...	G. N. Station Hotel
King, K., M.D. ...	Hull ...	
Keyworth, H., M.R.C.S.	York ...	
Kirby, C., M.R.C.S. ...	Halifax ...	
Kendell, D. B., M.B., Cantab. ...	West Wood, Scarbro'	
Lombard, J. S., M.D. ...	Boston ...	G. N. Station Hotel
Lewis, W., M.D. ...	London ...	Mr. R. Barr's

Name.	Residence.	Leeds Address.
Lingen, C., F.R.C.S. ...	Hereford	Victoria Hotel
Libbey, H. C., M.R.C.S.	Hunslet lane, Leeds	
Little, J., M.D. ...	Dublin	G. N. Station Hotel
Lilly, W., M.D. ...	London	5, Great George street
Loe, J. S., M.R.C.S. ...	Woodhouse lane, Leeds	
Lee, H., F.R.C.S. ...	9, Saville row, London	9, Park square, Leeds
Leared, A., M.D. ...	London	2, Albion place
Leeson, J. F., L.R.C.P.	Bradford	Philosophical Hall
Lee, M., M.D. ...	Bradford	Philosophical Hall
Leadman, A., L.A.C. ...		69, Woodhouse lane, Leeds
Lees, S. D., M.D. ...	Ashton-under-Lyne...	Victoria Hotel
Latham, P. W., M.D. ...	Cambridge	Philosophical Hall
Lambert, J., M.R.C.S. .		Farsley, near Leeds
Lunn, W. J., M.D. ...	Hull	Mr. Hodson's, the Docks, Leeds
Leake, J. R., L.R.C.P.	80th Regt., Liverpool	Queen's Hotel
Land, R. T., M.D., M.R.C.S.	105, Meadow lane, Leeds	
Leeming, R. T., M.R.C.S.	Kendall	White Horse Hotel
Lewis, James, F.R.C.S.		G. N. Station Hotel
Lawlie, J. D., M.R.C.S.	Bradford	
Lang, John, M.D. ...	Southport	
Little, David, M.D. ...	21, St. John's street, Manchester	
Lund, Edward, F.R.C.S.	Manchester	
Leech, D. John, M.B. ...	Manchester	
Long, J., F.R.C.S.E. ...	Liverpool	Harrogate
Meade, R. H., F.R.C.S.	Bradford	Philosophical Hall
Miall, P., M.R.C.S. ...	Bradford	
Mackie, J., L.R.C.S. ...	Darlington	9, Oxford row
Macnamara, R., L.R.C.S.I.		Queen's Hotel
Martin, James, F.R.C.S., Pres. I. Med. Ass. ...	Portlaw, Ireland	42, Park square
MacKenzie, W. S., L.R.C.P.	Normanton	Philosophical Hall
Martin, W., F.R.C.S. ...	London	G. N. Station Hotel
Moriarty, T. B., M.D.	Army	Queen's Hotel
Matterson, W., M.D.	York	Queen's Hotel
Morris, E., M.D. ...	Spalding	Mr. E. Bryan's, surgeon, near Leeds
Manley, J., M.R.C.S. ...	West Bromwich ...	Queen's Hotel
Marshall, H. H., M.D.	Clifton	Queen's Hotel
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Murray, Wm., M.D. ...	Burley-in-Wharfedale	Wharfedale
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Nevitt, J. G., M.R.C.S.	Chapelton	
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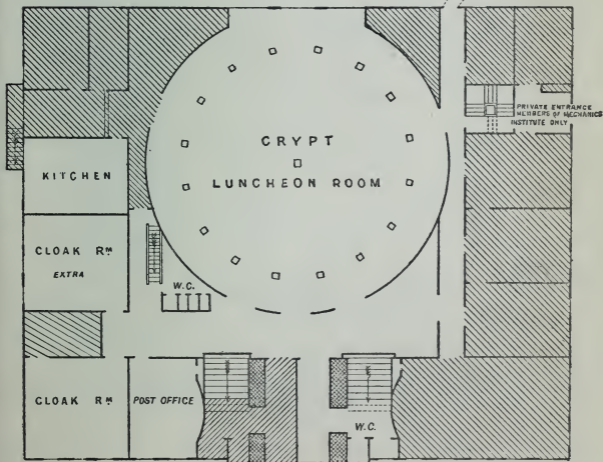
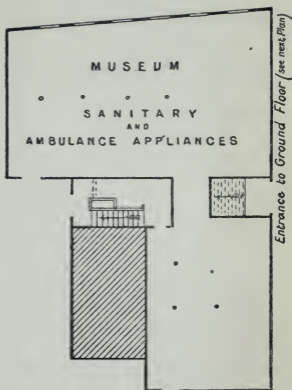
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Umpleby, H., M.D. ...	Bedale 105, Meadow lane
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Whytehead, H. Y., M.D.	Beverley ...	
Wallace, J., M.D. ...	Liverpool... ..	Bull and Mouth Hotel
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Wilkinson, Wm., M.R.C.S.	Hartshill	Queen's Hotel
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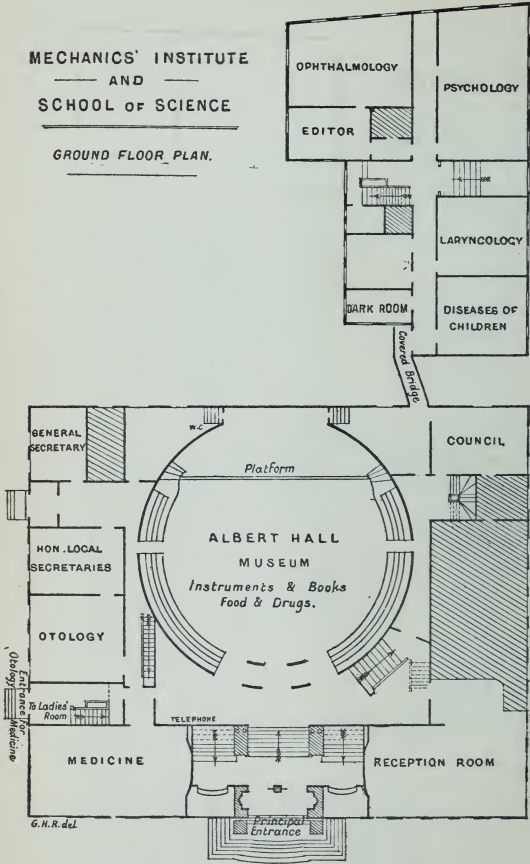
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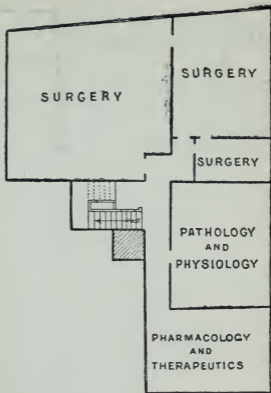
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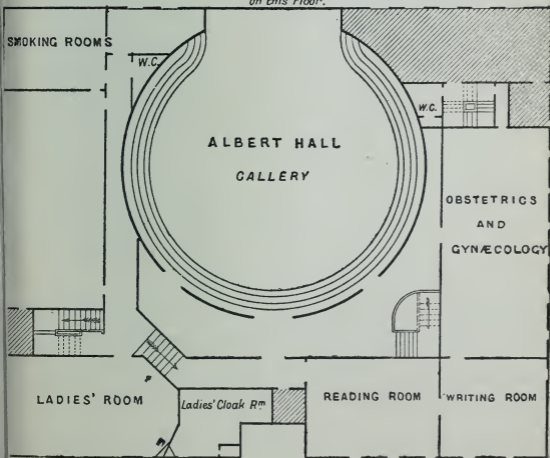
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British Medical Association.

FIFTY-SEVENTH ANNUAL MEETING,

LEEDS, 1889.

Daily Journal.

No. 1.

Tuesday Morning, August 13th.

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Dr. J. E. Eddison.	Mr. Edward Ward.

GENERAL PURPOSES, HOTELS, LODGINGS, ETC., SUB-COMMITTEE.

Mr. Chas. J. Wright, <i>Chairman.</i>	Mr. J. B. Hargreaves.
Mr. E. O. Croft, <i>Secretary.</i>	Mr. J. J. Pickles.
Mr. John Hallilay.	Mr. G. Stamp Taylor.

Local Officers' Badges.

The Sectional Secretaries and Local Officers will wear Badges, thus:—

GREEN—*Secretaries of Sections*, with the initial letters of their respective Sections—Medicine (M.), Surgery (S.), Obstetrics, &c. (O.), Public Medicine (P.M.), Psychology (Psy.), Pathology and Physiology (P.P.), Ophthalmology (Oph.), Diseases of Children (C.), Laryngology (L.), Otology (Ot.), Pharmacology and Therapeutics (P T.)

BLUE—*Secretaries of Sub-Committees*—Reception (R.), Soirée (S.), Dinner (D.), Hotel and Lodgings (H.L.), Excursions (E.), Museums (M.), and Sections (Ma.), (Mb.), (Mc.), (Md.), (Me.) respectively. The Stewards to the *Conversazione* and Dinner, and the gentlemen in charge of the various Excursions, will also wear Badges.

RED— { *Honorary Local Secretaries* (Hon. Sec.)
 { *Honorary Local Treasurer* (T.)

General Arrangements.

All General Meetings of the Association will be held in the Coliseum in Cookridge Street, and the Public Medicine Section will meet at the Philosophical Hall, in Park Row. With these two exceptions, the whole of the work of the Meeting will be done in the Mechanics' Institute and adjoining School of Science.

THE RECEPTION ROOM

Will be found by turning to the right on entering the Mechanics' Institute by the principal door in Cookridge Street. It will be open on Monday, August 12th, from 12 o'clock noon until 8 p.m., and during the rest of the Meeting from 9 a.m. to 6 p.m.

POST AND TELEGRAPH OFFICE.

TELEGRAPHIC ADDRESS :—" CONGRESS," LEEDS.

A special office will be open until 7 p.m. each day during the Meeting in the basement of the Mechanics' Institute (down the left-hand staircase opposite the principal entrance). Members are particularly requested to ask at the Post Office for letters and telegrams. Each morning lists will be posted up of the names of those for whom letters and telegrams received the previous day are waiting. The Letter-box is in the passage outside the Post Office.

TELEPHONE.

On the Ground Floor, Mechanics' Institute. Exchange, No. 600. (See Plan.)

READING AND WRITING ROOMS

Are provided on the First Floor of the Mechanics' Institute, and are most easily reached by the staircase near the Reception Room door.

LUNCHEON ROOM

In the Crypt of the Mechanics' Institute. Luncheon will be provided at a cost of 2s. 6d., from 12 to 3 o'clock daily.

SMOKING ROOM

On the First Floor of the Mechanics' Institute. (Staircase near Medicine Section Room, Special Entrance, Vernon Street).

NEWSPAPER STALL.

Messrs. Goodall and Suddick will supply a Newspaper Stall, which will be found immediately on the right inside the principal entrance of the Mechanics' Institute. London Papers will arrive at 10.10 a.m.

LADIES' ROOM AND CLOAK ROOM

(WITH ATTENDANT),

On the First Floor of the Mechanics' Institute (special entrance, Vernon Street).

DRESSING ROOM.

Arrangement for the above, from 10 a.m. to 9 p.m., has been made at the Trevelyan Hotel, Poar Lane, at a charge of 1/- each member making use of it. Dressing Bags may be left in charge of the Manager.

Access to Sectional Meeting Rooms, etc.

In consequence of the narrowness of the passages in the Mechanics Institute and School of Science, and especially of the single one which forms the sole means of communication between these two buildings, Members are *particularly requested* to consult the Table given below, and as far as possible to enter by the door, the name of which is placed opposite the room they wish to reach.

SECTIONS.

	<i>Building.</i>	<i>Floor.</i>	<i>Door.</i>
A. Medicine	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
B. Surgery	School of Science ..	First ..	Rossington Street.
C. Obstetric Medicine	Mechanics' Institute..	First ..	Cookridge Street. (Principal).
D. Public Medicine	Philosophical Hall ..		In Park Row.
E. Psychology	School of Science ..	Ground ..	Rossington Street.
F. Pathology and Physiology ..	" ..	First ..	"
G. Ophthalmology	" ..	Ground ..	"
H. Diseases of Children	" ..	" ..	"
I. Laryngology	" ..	" ..	"
J. Otology	Mechanics' Institute..	" ..	Cookridge Street (Principal).
K. Pharmacology and Therapeutics	School of Science ..	First ..	Rossington Street.

MUSEUM.

A. Food and Drugs	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
B. Pathology	} School of Science ..	Second ..	Rossington Street.
C. Anatomy and Physiology			
D. Instruments and Books	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
E. Sanitary and Ambulance Appliances	School of Science ..	Basement	Rossington Street.

GENERAL ROOMS.

Reception	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Reading and Writing	" ..	First ..	"
Ladies'	" ..	" ..	Vernon Street.
Luncheon	" ..	(Crypt)	Cookridge Street
		Basement	(Principal).
Cloak	" ..	" ..	"
Post and Telegraph Office	" ..	" ..	"

OFFICIAL.

Council Room	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Editor's Room	School of Science ..	" ..	Rossington Street.
General Secretary's Room	Mechanics' Institute..	" ..	Vernon Street (2nd door).
Local Secretaries' Room	" ..	" ..	"

The Annual Museum.

IN connection with the Fifty-seventh Annual Meeting of the British Medical Association, the Museum and Exhibition will be held in the Albert Hall, and the Covered Play-ground and Chemical Laboratory of the Leeds School of Science (Mechanics' Institute).

The Museum will be arranged in the following sections :—

SECTION A.—In the Albert Hall, FOODS AND DRUGS, including Antiseptic dressings and other Chemical and Pharmaceutical preparations. *Honorary Secretaries*, Dr. J. Hellier, 1, De Grey Terrace, Leeds; Mr. C. V. Newstead, 40, Headingley Lane, Leeds.)

SECTION B.—In the Chemical Laboratory, PATHOLOGY, comprising casts, models, diagrams, apparatus, microscopical and spirit preparations, etc. *Honorary Secretaries*, Dr. J. Dobson, 27, Burley Lawn, Leeds; Dr. E. H. Jacob, 12, Park Street, Leeds.

SECTION C.—In the Chemical Laboratory, ANATOMY AND PHYSIOLOGY, comprising special dissections, methods of preparation, drawings, models, microscopes, microtomes, and microscopic preparations. *Honorary Secretaries*, *Physiology*, Dr. De Burgh Birch, 16, De Grey Terrace, Leeds. *Anatomy*, Dr. Wardrop Griffith, 23, Park Square, Leeds.

SECTION D.—In the Albert Hall, INSTRUMENTS AND BOOKS, including appliances, medical, surgical, and electrical. *Honorary Secretaries*, *Instruments*, Mr. W. H. Brown, 19, Queen Street, Leeds. *Books*, Mr. F. H. Mayo, 49, Otley Road, Leeds.

SECTION E.—In the Covered Play-ground, School of Science, SANITARY AND AMBULANCE APPLIANCES. *Honorary Secretaries*, *Sanitary*, Mr. J. S. Loe, Grafton Street, Leeds. *Ambulance*, Mr. R. N. Hartley, Blenheim Terrace, Leeds.

Chairman, Museum Committee, T. Churton, M.D.

Honorary Secretary, Ernest H. Jacob, M.D., 12, Park Street, Leeds.

Communications on general matters connected with the Museum to be addressed to the Museum Secretary, Dr. Jacob, 12, Park Street, Leeds.

Entertainments.

THE ANNUAL DINNER

Of the Association will be held in the Town Hall, on Thursday, August 15th, at 7.30 p.m. Tickets, including wine, One Guinea; without wine, 15s. Members are particularly requested to apply early for Tickets, and to choose their seats in the Reception Room. *No Tickets will be sold after the Reception Room closes on Wednesday Evening.*

Tickets for Ladies wishing to attend the speeches may be obtained by members when purchasing their Dinner Tickets.

(For late trains from Leeds see page 18.)

CONVERSAZIONE,

Given by the President and Local Executive Committee in the Municipal Art Gallery, at 8.30 p.m., on Wednesday, August 14th.

Invitation cards can be obtained by members in the Reception Room.

The Guests are requested to observe the following arrangements:—

1. Carriages to set down at the Calverley Street entrance.
2. Admission Cards must be given up at the entrance.
3. Cloak Room Arrangements :

The Rate Office, exactly opposite to the Calverley Street entrance, will be used as the Gentlemen's Cloak Room. The counter will be divided into ten sections, each section taking 100 guests, and being in charge of an attendant. The sections will be marked off by placards announcing the number to be taken in each section.

Each Invitation or Admission Card will be accompanied by a double Cloak Room Ticket; and, on arriving, the guest will go to the section of the Cloak Room containing his number; *e.g.*, the Cloak Room Ticket No. 407 will go to section 401-500 inclusive. One half of the ticket is to be retained by the guest, the other half to be given up with coats, &c.

The same arrangements will be made in the Ladies' Cloak Room.

4. The President will receive the guests in the Stair-case Hall.
5. Refreshments will be served in the North Room.
6. The Entertainment by Mr. and Mrs. Upton and Mr. Laurence Kellie will be given in the Reading Room.

CARRIAGE REGULATIONS.

SETTING DOWN.

Carriages will proceed by way of Park Lane to the Calverley Street entrance of the Municipal Buildings, and set down with horses' heads to Great George Street, and will leave by Great George Street.

TAKING UP.

Carriages will be parked in Victoria Square and adjacent streets, under the directions of the Police on duty, and will take up with horses' heads towards Great George Street, and move off by Great George Street.

GARDEN PARTIES.

THURSDAY, 4 to 6.30 P.M. A Garden Party will be given by Sir James Kitson, Bart., at Gledhow Hall.

FRIDAY, 4 to 6.30 P.M. A Garden Party will be given by Mr. T. R. Jessop, F.R.C.S., at Roundhay Mount.

Carriages will be provided at 3.30, in Vernon Street; fare in both instances, 6d. for the single journey.

The Headingley Tram-cars will also, by special arrangement, run through the town to Roundhay on both Thursday and Friday afternoons, beginning at 3.30 p.m., and then every 15 minutes until 7 p.m. They will stop at the Mechanics' Institute to take up passengers.

4 to 6 P.M. A Garden Party will be given at the West Riding Asylum, Wakefield, by Mr. Bevan Lewis, Medical Director.

Train, 3.25 and 4.35 p.m., Great Northern Station, to Westgate, Wakefield.

SATURDAY, 4 p.m. A Garden Party will be given by the Lord Bishop of Ripon and Mrs Carpenter, at the Palace, Ripon. This Garden Party is included in the programme of Excursion No. 5, but the invitation is extended to all Members of the Association.

AFTERNOON RECEPTIONS.

WEDNESDAY, 4.30 to 6.30 P.M. An Afternoon Reception will be given at the Yorkshire College, by The Most Hon. the Marquis of Ripon (President), Council, and Senate of the College.

4 to 6.30. An Afternoon Reception, at the Carlton Barracks, will be given by Colonel Wilson and Officers of the 3rd Volunteer Battalion of the West Yorkshire Regiment to members who are or have been connected with any of the military services.

Invitation Cards for the Garden Parties and Receptions can be obtained by members in the Reception Room.

RECEPTION AND BALL.

FRIDAY, 8 P.M. The Mayor and Mayoress of Leeds (Alderman and Mrs. Ward) will give a Reception, followed by a Ball, in the Town Hall in honour of the Association.

Members can obtain Invitation Cards in the Reception Room.

No Cards will be issued after Thursday.

SHORT EXCURSIONS.

MORNING DRIVES AND VISITS TO MANUFACTORIES,
ETC.

In order to facilitate the necessary arrangements for conveyance, members are particularly requested to enter their names in the Reception Room for the above as early as possible.

Tickets must be obtained not later than the day previous to visit.

Fares for circular visits to manufactories will be 1/6, to be paid on taking ticket.

Members are requested, when visiting manufactories, to take their Association Tickets, as in some instances they will be required for presentation.

Wednesday.

9.30 A.M.—DRIVE TO ADEL CHURCH AND KIRKSTALL ABBEY.
Conducted by the Vicar of Adel and Professor Ransome (Professor of Modern History at the Yorkshire College). Number unlimited. Fare 2/-, to be paid on taking ticket.

No 1 CIRCULAR VISIT (Number limited to 25).

10 A.M.—12.30 P.M.—VISIT TO MESSRS. BARRAN'S, Manufacturing Clothiers, Park Square and Woodhouse Square.
MESSRS. CLIFF AND Co.'s WORKS, Wortley (Pottery Works).
MESSRS. PAWSON AND SONS' WORKS, Wortley, Cloth Manufacturers. (Luncheon provided.)

No. 2 CIRCULAR VISIT (Number unlimited).

10.30 A.M.—12.30 P.M.—VISIT TO MESSRS. FAIRBAIRN'S, Wellington Bridge. Flax, Machine, and Tool Makers.
MESSRS. PAUL AND Co., The "Oak" Tannery, Kirkstall Road.
MESSRS. MCCORQUODALE AND Co., Basinghall Street, Printers and Lithographers.

No. 3 CIRCULAR VISIT (Number limited to 125).

10 A.M.—2 P.M.—MESSRS. GREENWOOD AND BATLEY, Makers of Torpedoes, Ammunition, and Heavy Tools, Armley Road. (Luncheon provided for 100.)
MESSRS. EYRES AND Co., Woollen Manufacturers, Armley. (Luncheon provided for 25.)

2.30—3.30 P.M.—Organ Recital at Armley Church.

3.30 P.M.—Afternoon Tea at Dr. Coleman's, Armley.

EXCURSION TO BOROUGHBIDGE AND ALDBOROUGH (the ancient city of Isurium).

A party not exceeding 25 in number will leave Leeds, North Eastern Station, by the 11 a.m. train for Boroughbridge. Conducted by Mr. A. D. H. Leadman, F.S.A.

Luncheon will be provided by Mr. Lawson, Aldborough Manor.

Thursday,

9.30 A.M.—DRIVE TO TEMPLE NEWSAM (the seat of the Hon. Mrs. Meynell Ingram), and ROUNDHAY PARK. Conducted by Mr. C. Richardson. Number Unlimited. Fare 1/6, to be paid on taking ticket.

No. 1 VISIT (Number unlimited).

10—11 A.M.—VISIT TO THE FARNLEY IRON WORKS. (Train 10.15 a.m. L. & N. W. Railway to Wortley; return 11.58 a.m.)

No. 2 CIRCULAR VISIT (Number unlimited).

10—12 A.M.—VISIT TO MESSRS. ARTHUR AND Co., Park Square, Manufacturing Clothiers.
MESSRS. J. TETLEY AND SONS' BREWERY.

No. 3 VISIT (Number limited to 100).

10 A.M.—2 P.M.—VISIT TO LEEDS FORGE Co.'s WORKS. (Corrugated Boiler Flues, Fox's Tyres, Extensive Water Gas Plant, &c.) (Luncheon provided.)

No. 4 CIRCULAR VISIT (Number limited to 40).

10—12 A.M.—VISIT TO MESSRS. CRAWFORD'S MILLS, East Street. Woollen Manufacturers.
MESSRS. ELLIOTT HINCHCLIFFE AND Co.'s MILLS. Woollen Manufacturers.
MESSRS. TAYLOR'S "CLARENCE" IRONWORKS. (Luncheon provided.)

No. 5 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO MR. ALF COOKE'S COLOUR PRINTING WORKS.
MESSRS. TANNETT AND WALKER'S IRONWORKS.
MESSRS. FOWLER AND Co.'s STEAM PLOUGH WORKS.

VISIT TO MENSTON ASYLUM. Train, Midland Railway Station, 1.15 p.m., to Guiseley. Return train, 3.24 or 6.24 p.m. from Guiseley.

Friday.

9.30 A.M.—DRIVE TO HAREWOOD AND HAREWOOD HOUSE (the Seat of the Earl of Harewood). Conducted by Mr. P. A. Steedman, of Harewood, who invites the party to luncheon. Fare 2/-, to be paid on taking ticket. Number limited to 25.

No. 1 CIRCULAR VISIT (Number limited to 50).

10—12 A.M.—VISIT TO MESSRS. BUCKLEY'S WORKS, Greek Street. Manufacturing Clothiers.

THE BURMANTOFTS POTTERY COMPANY'S WORKS, Makers of the "Burmantofts Faience."

MESSRS. LAWSON & CO.'S FOUNDRY. (Refreshments provided.)

No. 2 VISIT (Number unlimited).

11 A.M.—2 P.M.—VISIT TO MESSRS. NICHOL'S TANNERY. (Kirkstall Abbey also can be visited at same time.)

No. 3 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO THE MONK BRIDGE IRONWORKS. (Manufacture of Steel, &c.)

MESSRS. NICHOLS & BECKWORTH, The "Joppa" Tannery.

No. 4 CIRCULAR VISIT (Number limited to 20).

10 A.M.—2 P.M.—VISIT TO MESSRS. MANNING & WARDLE'S ENGINE WORKS, Hunslet. Luncheon provided.

MESSRS. KITSON'S AIREDALE FOUNDRY. Locomotive makers.

No. 5 VISIT (Number unlimited).

12 A.M.—2 P.M.—VISIT TO TELEPHONE COMPANY'S SWITCH ROOM, Central Exchange, Park Row. Or on any other day at the same on presentation of member's card.

General and Special Meetings.

1. On TUESDAY EVENING, at 8.30, the President's Address. Coliseum.
2. On WEDNESDAY, at 3 p.m., the Address in Medicine by J. Hughlings Jackson, M.D., L.C.D., F.R.S. Coliseum. Presentation of Stewart Prize to Dr. E. Klein, F.R.S.
3. On THURSDAY, at 3 p.m., the Address in Surgery by T. Pridgin Teale, M.A., F.R.S., F.R.C.S. Coliseum.
4. On FRIDAY, at 3 p.m., the Address in Psychology by Sir James Crichton Browne, M.D., F.R.S. Coliseum.

EXHIBITION OF SURGICAL CASES.

On Wednesday, August 14th, from 4 to 5.30 p.m., in the Central Hall of the Infirmary.

The following Meetings, by permission of the Council, will be held during the Annual Meeting :—

THE MEDICAL SICKNESS, ANNUITY, AND LIFE ASSURANCE SOCIETY.

A Meeting will be held in the Philosophical Hall, on Wednesday, August 14th, at 2 o'clock p.m.

IRISH MEDICAL SCHOOLS' AND GRADUATES' ASSOCIATION.

The Summer Meeting will be held at 4.15 o'clock p.m. on Wednesday, 14th August, in the Philosophical Hall.

ANATOMICAL SOCIETY.

The Summer Meeting will be held in the Theatre of the Medical School, on Thursday, 15th August, at 4.30 p.m.

NEW SYDENHAM SOCIETY.

The Annual Meeting of this Society will be held in the Middle Division Room, Mechanics' Institute, on Friday, August 16th, at 9.30 a.m. (Special Entrance, Vernon Street.)

BATHS.

By the kind permission of the Directors, the Baths of the Oriental Bath Company, in Cookridge Street, will be open to Members during the week of the meeting on presentation of their cards of Membership, at the following reduced rates:—

First-class	Turkish Bath	... ..	1s. 6d.
,,	Warm Bath	... ..	0s. 6d.
,,	Swimming Bath	.. ...	0s. 6d.

CLUBS OPEN TO MEMBERS OF THE ASSOCIATION.

- THE CONSERVATIVE CLUB, South Parade. On presentation of a card of a Member of the Club to be obtained in the Reception Room.
- THE LIBERAL CLUB, Park Row. On presentation of their Association Ticket.
- THE ROYAL EXCHANGE READING ROOM, Boar Lane, near the Queen's Hotel, is open to Members of the Association during the Meeting.

RESTAURANTS.

- POWOLNY'S, Bond Street.
- WOOD'S, Commercial Street.
- THE QUEEN'S, Bishopgate Street.
- THE GRAND, Boar Lane.
- THE CRITERION, New Briggate.

GRAND THEATRE.

During the week, MR. ARTHUR ROBERTS, with his Burlesque Company. Tickets may be obtained at Messrs. Ramsden's, Park Row, and at the Theatre.

ARRANGEMENTS FOR LADIES.

A Ladies' Room and Cloak-room, with attendant, is provided in the Mechanics' Institute (special entrance—Vernon Street). Afternoon Tea will be provided each day in this room for Ladies *and Members* accompanying them from 3.30 to 4.30 p.m. Ladies are invited to attend:—

TUESDAY, 4 P.M.—Service in the Parish Church, Sermon by the Bishop of Ripon.

WEDNESDAY, 4.30 to 6.30 P.M.—Reception at the Yorkshire College by the President, Council and Senate of the College.

4 to 6.30 P.M.—Reception given by Colonel Wilson and the Officers, 3rd Vol. Batt. West Yorkshire Regiment, to Members in the Services at the Carlton Barracks.

8.30 P.M.—Conversazione by the President of the Association and the Local Executive Committee in the Art Gallery and Municipal Buildings.

THURSDAY, 4 to 6.30 P.M.—Garden Party at Gledhow Hall, given by Sir James Kitson, Bart.

9 P.M.—The Speeches after the Annual Dinner in the Town Hall. Light Refreshments and seats on the orchestra will be provided. Tickets for Ladies may be obtained by Members when purchasing their Dinner tickets.

FRIDAY, 4 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. Jessop, F.R.C.S.Eng.
 4 to 6 P.M.—Garden Party at the West Riding Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds, in the Town Hall.

SATURDAY, Excursions (see page 20).
 4 P.M.—Garden Party, given by the Lord Bishop of Ripon and Mrs. Carpenter, at The Palace, Ripon.

DAILY.—Short Excursions to places of interest in the neighbourhood, manufactories, etc. (see page 13).

THE BATHS OF THE ORIENTAL BATH COMPANY are, by kind permission of the Directors, open to Ladies presenting a card to be obtained in the Ladies' Room, at the following reduced rates :—

First-class Turkish Bath, open 10 a.m. to 4 p.m., 1s.

First-class Swimming Bath, on Thursday, 9.30 a.m. to 3 p.m., 6d.

RAILWAY ARRANGEMENTS.

Members of the Association, on application at the booking office at Leeds, and on production of their cards of Membership, can have issued to them return tickets at single fares, available *from Leeds* to any station within a radius of fifty miles. The same facilities will be afforded to ladies accompanying Members. Periodical tickets (first class) to Harrogate or Ilkley, available for seven days, will be issued to Members of the Association at a charge of 10s., each on production of the voucher above named. These facilities will apply strictly to Leeds, and there will be *no reduction* in the fares charged to the Members of the Association on their journey *to Leeds* for the Meeting.

LATE TRAINS FROM LEEDS.

CENTRAL STATION :—

G.N. 10-0 P.M. Ardsley, Wakefield, Doncaster, Bawtry, Retford, &c.

G.N. 10-0 P.M. (Tuesday only.) Ossett, Dewsbury, Batley.

G.N. 10-5 P.M. Armley, Bramley, Stanningley, Bradford.

G.N. 10-10 P.M. (Not on Tuesday.) Ardsley, Stanley, Methley, Castleford.

G.N. 10-35 P.M. Lowmoor and Halifax.

L. & Y. 10-45 P.M. Lowmoor and Halifax.

G.N. 10-40 P.M. Armley, Bramley, Stanningley, Bradford.

G.N. 10-50 P.M. (Tuesday only.) Ardsley, Stanley, Methley, Castleford.

G.N. 11-20 P.M. Ardsley, Wakefield, Doncaster.

MIDLAND STATION :—

- 10-0 P.M. Normanton, Sheffield, Chesterfield, Derby. &c.
 10-10 P.M. Bradford (express).
 10 23 P.M. Armley, Kirkstall, Newlay, Calverley, Apperley, Shipley
 Bradford, Bingley, Keighley.
 10-45 P.M. Shipley, Bradford, Bingley, Keighley, Skipton.
 10-45 P.M. Shipley, Guiseley, Menston, Burley, Ilkley.
 10-50 P.M. Woodlesford, Methley, Normanton.
 11-15 P.M. Bradford (express).
 11-18 P.M. Armley, Kirkstall, Newlay, Calverley, Shipley, Bradford.
 11-38 P.M. Normanton, Sheffield, Derby.

NEW STATION :—

- L. & N. W. 9-30 P.M. Dewsbury Huddersfield, Madchester.
 N.E. 10-55 P.M. Cross Gates, Garforth, Selby, Hull.
 L. & N. W. 11-0 P.M. Morley, Batley, Dewsbury, Huddersfield.
 N.E. 11-5 P.M. Horsforth, Arthington, Harrogate.
 N.E. 11-10 P.M. York (express).
 N.E. 2-14 A.M. York, Scarbro', Whitby, &c.

CAB FARES.

BY DISTANCE.—For any number of persons not exceeding five, for the first mile, one shilling : for every additional quarter of a mile, threepence.

BY TIME.—For any number of persons not exceeding five, for the first quarter of an hour, one shilling ; for every succeeding quarter of an hour, sixpence.

Disengaged Cabs will stand in Rossington Street, along the south side of the Mechanics' Institute.

TRAM CARS.

The Tramway Terminus is in Boar Lane, at its Junction with Briggate. Cars run as follows :—

CHAPELTOWN.

Leaves (the Queen's Arms) Chapeltown for Briggate at 7.55 a.m., and every 15 minutes till 9.55 p.m. Extra on Saturdays till 10.25 p.m.

Leaves Briggate for Chapeltown (the Queen's Arms) at 8.30 a.m., and every 15 minutes till 10.30 p.m. Extra on Saturdays till 11.0 p.m.

NOTE.—The 10.15 and 10.30 p.m. Cars from Briggate on Weekdays, and the 10.45 and 11.0 p.m. on Saturdays, run to Mexbro' Arms only.

Leaves Reginald Terrace, Chapeltown Road, for Briggate at 8.7½ a.m., and every 7½ minutes till 7.22½ p.m., then every 15 minutes till 10.7½ p.m. Saturdays every 7½ minutes till 10.37½ p.m.

Leaves Briggate for Reginald Terrace (Chapelton Road) at 8.30 a.m., and every $7\frac{1}{2}$ minutes till 7.45 p.m., then every 15 minutes till 10.30 p.m. Saturdays every $7\frac{1}{2}$ minutes till 11.0 p.m.

NOTE.—Extra Cars leave the Chapelton Tram Yard on Weekdays at 7.40, 8.7 $\frac{1}{2}$, 8.22 $\frac{1}{2}$, and 8.37 $\frac{1}{2}$ a.m.

HEADINGLEY.

Leaves Three Horse Shoes, Headingley, at 7.42 $\frac{1}{2}$ a.m., and every 10 minutes till 7.22 $\frac{1}{2}$ p.m., then every 15 minutes till 9.52 $\frac{1}{2}$ p.m. Saturdays every 10 minutes all day till 10.22 $\frac{1}{2}$ p.m.

Leaves Boar Lane for Three Horse Shoes at 8.20 a.m., and every 10 minutes till 8.0 p.m., then every 15 minutes till 10.30 p.m. Saturdays every 10 minutes all day till 11.0 p.m.

KIRKSTALL.

Leaves Boar Lane for Kirkstall at 8.30 a.m., and every 10 minutes until 8.30 p.m., then every 15 minutes until 10.30 p.m. Saturdays every 10 minutes all day until 11.0 p.m.

Leaves Kirkstall for Boar Lane at 8.5 a.m., and every 10 minutes until 7.55 p.m., then every 15 minutes until 9.55 p.m. Saturdays every 10 minutes all day until 10.25 p.m.

Cars run to and from MEANWOOD ROAD, UPPER WORTLEY, and YORK ROAD about every 10 minutes.

OMNIBUSES.

The Omnibus Terminus is in Briggate, between Commercial Street and Boar Lane, from whence 'Busses run at short intervals to all parts of the Borough.

Excursions.

No. I.

THE SCARBOROUGH EXCURSION,

Saturday, Aug. 17th; Monday, Aug. 19th.

ARRANGED BY THE PROFESSION IN SCARBOROUGH.

Saturday, August 17th.

LEEDS, N.E.R. STATION.

Train (Special)	...	..	...	leave	9.10 a.m.
York	...	...	...	arrive	9.50 ,,
York	...	...	...	leave	10.2 ,,
Scarbro'	...	...	...	arrive	11.30 ,,

Luncheon (by invitation) given by Members of the Profession of Scarborough and neighbourhood, at the Royal Hotel at 1 p.m.

Carriages will start from Royal Hotel at 3.15 p.m., for excursions to the town and neighbourhood.

Yachts will start from the Pier at 3.30 p.m., for trips to sea.

A Garden-Party at St. Nicholas House, given by Mr. J. W. Woodall, from 3.30—7.0 p.m.

Reception by His Worship the Mayor of Scarborough (Official Chairman of the Company) and the Committee of the Cliff Bridge Company, will be held in the Grand Hall of the Spa at 8.30 p.m.

During the evening the Grounds will be specially illuminated.

Sunday, August 18th.

A Special Service at the Parish Church (St. Mary's). (Preacher: The Ven. Archdeacon Blunt, D.D.), at 10.30 a.m.

A Concert of Sacred Music will be given in the Spa Grounds, from 3.0—4.30 p.m.

Mr. G. Alderson Smith will be "At Home," at Wheatcroft Cliff, from 4.0—6.30 p.m.

Monday, August 19th.

A Deep Sea Trawling expedition will probably be arranged.

Through the kindness of Mr. Morgan, members and their wives will be admitted free to the Aquarium on *Saturday, Sunday, and Monday (August 17th, 18th, and 19th)*; also to the Concert of Sacred Music on Sunday evening at 8 p.m.

Dr. Calantarients invites members and their wives to visit his Glaciarium at the Londesborough Rooms.

Arrangements have been made at the Grand and Royal Hotels for the reception of visitors, where meals will be served at the customary Hotel hours.

N.B.—All Excursions and Entertainments, including admittance to the Spa Grounds on *August 17th, 18th, and up to 5 p.m. 19th*, are free to Members and Ladies accompanying them on production of this Ticket.

No. 2.

THE ILKLEY AND BOLTON ABBEY EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN BRADFORD AND ILKLEY.

LEEDS: MIDLAND STATION.

Train.

Leeds	...	...	...	depart	9.35 a.m.
Guiseley (to take up members)				arrive	10.12 ,,
Ilkley (to take up members)	...			arrive	10.34 ,,
Bolton Abbey Station	...	..		arrive	10.49 ,,

WAGONETTES.

Bolton Abbey Station	...	...		depart	11.0 a.m.
Bolton Woods and Strid	...			arrive	11.40 ,,
Bolton Woods and Strid	..			depart	12.40 p.m.
Bolton Abbey	...	...		arrive	12.55 ,,
Bolton Abbey	...	...		depart	1.30 ,,
Devonshire Arms Hotel	...			arrive	1.45 ,,

LUNCHEON.

Walk to Bolton Abbey Station				depart	2.47 p.m.
Ilkley	...	...	...	arrive	3.5 ,,
or Ben Rhydding	...	...		arrive	3.8 ,,

Until 5.30 members can visit any of the Hydropathic Establishments, such as Ilkley Wells House, Ben Rhydding, Craiglands, Troutbeck, &c, or visit the Old White Wells, the Semon Convalescent Home, Panorama Rocks, Cow and Calf, the Ilkley Wells Hospital, the old Parish Church (with the Stone Crosses), or pass over the river towards Middleton Moor, &c.

DINNER.

Dinner will be served in the Winter Garden of Ilkley Wells House, at 5.30 precisely.

After Dinner, ample time will be afforded for a leisurely walk down to the Ilkley Station, from which the train back to Leeds will start at 8.35 p.m.

Leeds	arrive	9.25 p.m.
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Directions for Entertainers from Bradford, Ilkley, &c.:—

Bradford: Midland Station	at	9.48 a.m.
Manningham	...	...	..	9.52 ,,
Shipleigh	...	...	..	9.58 ,,

Reaching and joining guests at

Guiseley	..	...	...	arrive	10.12 a.m.
Guiseley	...	...	...	depart	10.16 ,,
Burley	...	...	...	arrive	10.24 ,,
Ilkley	...	...	...	arrive	10.34 ,,

The Bradford members will leave Ilkley by the same train, 8.35 p.m., which leaves for Leeds, being detached from the Leeds portion at Guiseley.

No. 3.

THE YORK, HELMSLEY, AND RIEVAULX ABBEY
EXCURSION,

Saturday, August 17th.

LEEDS, N.E.R. STATION.

Leeds (special) depart 9.10 a.m.
York arrive 9.50 a.m.

The party will here be met by the Committee of the Medical Profession at York, by whom all arrangements have been made for the convenience of the visitors in York.

10.0 a.m. Received by Canon Raine, who will conduct the party round the Museum and Grounds of the Yorkshire Philosophical Society, St. Mary's Abbey, Roman and other antiquities.

10.45 a.m. Mr. Buckle, Superintendent of the Wilberforce School for the Blind, which occupies the Ancient Royal Palace of the Stuarts, will point out matters of interest in that building.

11.30 a.m. The Minster will be visited, Canon Raine having kindly consented (in the unavoidable absence of the Dean of York) to act as cicerone.

12.30 p.m. The party will proceed to the Mansion House, where they will be received by the Lord Mayor. The ancient plate, &c. will be inspected. The Guildhall will afterwards be visited.

LUNCHEON.

At the North Eastern Railway Station Hotel, by invitation of the Members of the Medical Profession in York, 1.0 p.m.

TRAIN.

York depart 2.25 p.m.
Helmsley Station arrive 3.30 ,,

CARRIAGES.

“The Black Swan” Hotel, arrive 3.40 p.m.

TEA.

Drive through Duncombe Park to Rievaulx Terrace, overlooking Rievaulx Abbey and village, arrive 4.30 p.m.

Inspect paintings, walk on Terrace and see Rievaulx Abbey (4.30—5.30 p.m.).

Re-enter carriages, 5.30 p.m.

Visit and inspect ruins of Helmsley Castle, built A.D. 1200, 5.50 p.m.

Leave by carriage, 6.10 p.m.

Helmsley, 6.30 p.m.

DINNER

Will be served at “The Black Swan.”

Helmsley Station, depart 8.15 p.m.
York arrive 9.15 ,,

TRAINS LEAVE YORK FOR

{ Leeds	... ..	depart	9.35 p.m.
{ Midland and L. & N.W.	... ..	„	9.28 „
{ G.N.Ry. and King's Cross	.. ..	„	9.37 „
{ The North	... ..	„	10.26 „
{ Scarborough	... ..	„	10.30 „

N.B.—Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 4.

THE HARROGATE EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN HARROGATE.

LEEDS, N.E.R. STATION.

Leeds (Special)	...	...	...	depart	9.0 a.m.
Pannal...	...	...	...	arrive	9.15 ,,

The party will here be met by members of the Profession of Harrogate, who will conduct the excursion.

FOUR-HORSE DRAGS.

Plumpton Rocks	...	...	...	arrive	10.0 a.m.
Plumpton Rocks	...	...	...	depart	10.30 ,,
Knaresboro'	...	...	...	arrive	11.0 ,,

LIGHT REFRESHMENTS.

The party will here visit the Castle, Dropping Well, Robin Hood's and Eugene Aram's Cave.

Knaresboro'	...	...	...	depart	12.30 p.m.
Drive by Scriven and Scotten to					
Ripley Castle	...	...	...	arrive	1.15 ,,
Ripley Castle	...	...	...	depart	1.45 ,,
Harrogate	...	...	...	arrive	

LUNCHEON

Will be served in the New Bath Hospital lately opened by H.R.H. Prince Albert Victor, at 2.30 p.m.

After Lunch the party will be shown the Wells. Drives in the neighbourhood will be organized. Entertainments will be provided, and in the evening the houses of the various Medical men of Harrogate will be thrown open for the reception of visitors.

TRAIN.

Harrogate (Special)	...	...	...	depart	8.50 p.m.
Leeds	...	...	...	arrive	9.30 ,,

N.B. --Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 5.

THE PATELEY BRIDGE, BRIMHAM ROCKS, FOUNTAINS ABBEY, STUDLEY ROYAL, AND RIPON
EXCURSION,

Saturday, August 17th.

LEEDS : N.E.R. STATION.

Leeds (Special)	depart	9.0 a.m.
Pannal	arrive	9.15 ,,
(The Harrogate party will here leave the train.)		
Pateley Bridge	arrive	10.10 ,,

WAGONETTES.

Walk up Ravens Gill and Guys Cliff.

LUNCHEON

Provided by Mr. George Metcalfe, at Castlestead, 12.0 noon.

WAGONETTES.

Castlestead	depart	12.50 p.m.
Brimham Rocks... ..	arrive	1.35 ,,
Brimham Rocks... ..	depart	2.15 ,,
Fountains Hall	arrive	3.15 ,,

Fountains Abbey and Grounds.

TEA

Provided in the Abbey Grounds, by the Most Honourable the Marquess of Ripon, K.G., 3.45 p.m.

Walk through the Grounds to meet Wagonettes.

WAGONETTES.

Canal Gates	depart	4.30 p.m.
Ripon	arrive	5.0 ,,

Visit Cathedral.

Lavatory accommodation will be provided at the Unicorn Hotel.

WAGONETTES.

Ripon (Unicorn Hotel)	depart	5.30 p.m.
Palace	arrive	6.0 ,,

The party will be received by the Lord Bishop of Ripon and Mrs. Boyd Carpenter.

REFRESHMENTS.

Palace	depart	7.45 p.m.
Ripon Station	depart	8.25 ,,
Harrogate	depart	8.50 ,,
(The Harrogate party will rejoin train.)		
Leeds	arrive	9.30 ,,

No. 6.

THE WASHBURN VALLEY AND FARNLEY
EXCURSION,*Saturday, August 17th.*

The whole of the Excursion will be by carriage.

Mechanics' Institute... .. depart 9.0 a.m.
Adel Church arrive 9.40 ,,

The party will be received by the Rector, who will kindly show the principal features of this almost unique specimen of Norman Architecture.

Adel Church depart 10.0 a.m.

Drive to Pool Bridge and Leathley Village to Lindley Wood Reservoir.
arrive 11.30 a.m.

Torpedo experiments will be shown by Messrs. Greenwood and Batley.

Lindley Wood Reservoir depart 12.30 p.m.
Swinsty Reservoir arrive 1.15 ,,

LUNCHEON.

Provided by Mr. Alderman Woodhouse, Chairman of the Leeds Waterworks Committee.

Swinsty Reservoir depart 2.15 p.m.
Fewston arrive 3.0 ,,

Inspect sinking Village Reservoir, &c.

Drive over Snowdon Moors by Asquith and Weston.

Farnley Hall arrive 4.0 p.m.

The seat of Ayscough Fawkes, Esq. The well known collection of J. M. W. Turner's Pictures will be inspected,

TEA.

Farnley Hall depart 6.0 p.m.
"White Horse," Otley arrive 6.30 ,,

DINNER.

"White Horse," Otley depart 8.0 p.m.
Leeds arrive 9.30 ,,

No. 7.

THE MALHAM COVE, GORDALE SCAR, AND SETTLE
EXCURSION,*Saturday, August 17th.*

LEEDS, MIDLAND STATION.

Leeds... .. depart 8.0 a.m.

Bell Busk arrive 9.40 ,,

To be met by carriages.

Kirkby Malham arrive 10.30 ,,

Visit old Church, inspect old Registers with Oliver Cromwell's signatures,
and other matters of interest.

Kirkby Malham depart 10.45 a.m.

Gordale Scar... .. arrive 11.5 ,,

LIGHT REFRESHMENTS.

Party will visit Janet's Force.

Gordale Scar depart 12.0 noon.

Walk to Malham Cove (1 mile).

Malham Cove arrive 12.30 p.m.

Malham Cove depart 12.50 ,,

Carriages will here meet the party.

Kirkby Malham arrive 1.0 ,,

The party will here divide into two sections.

- (1). Pedestrians (1 mile—700 feet ascent) with the lighter carriages to visit Scaleber Force and down to Settle. Magnificent views crossing the Moors.
 - (2). Heavier carriages drive by Otterburn and Hellifield to Settle.
- The two parties will meet at the Ashfield Hotel, Settle, at 2.45 p.m.

DINNER.

After dinner two parties will be formed.

- (1). Carriages for Stainforth depart 4.15 p.m.
(3 miles)

Visit Stainforth Force ; pedestrians can climb to Catterick Force
($\frac{3}{4}$ mile).

Stainforth depart 5.40 p.m.

- (2). Walking party—Those who prefer walking may visit Giggleswick School ($\frac{1}{2}$ mile), see Celtic and Roman Remains from Victoria Cave—Walk to Ebbing and Flowing Well ($\frac{1}{2}$ mile),—back to Settle and ascend Castleberg Rock.

Settle Station depart 7.23 p.m.

Leeds... .. arrive 8.52 ,,

N.B.—The Tickets for the above must be preserved, as they will be
required for presentation during the Excursion.

1. *The Scarborough Excursion.*—Trains will leave the North Eastern Railway Station (New) at 9.10 a.m. on Saturday morning, August 17th, arriving at Scarborough at 11.30. At 1 p.m. a luncheon will be given by the Profession of Scarborough to 100 members of the Association (by invitation). In the afternoon excursions by sea and land will be arranged, steam yachts will be placed at the disposal of the visitors, and short excursions will be organised by carriage. A Garden Party will be given by Mr. J. W. Woodall, in honour of the visit of the Association, at St. Nicholas Cliff. In the evening the grounds of the Cliff Bridge Company will be thrown open to the members, and especially illuminated; here a reception will be held in the Grand Hall by his worship the Mayor, official chairman of the Company, and the Committee. On Sunday a special service will be held in the Parish Church (St. Mary's), preacher, the Venerable Archdeacon Blunt, D.D., Chaplain to the Queen. In the afternoon a concert of sacred music will be given in the Spa Grounds (3 to 4.30), and, later, Mr. Alderson Smith will be "at home" at Wheatcroft Cliff, to receive members of the Association and their wives; by his kindness, also, it is hoped that a deep sea trawling expedition will be arranged for Monday morning. A fee of one guinea will be charged, which will include all the expenses of the excursion. Gentlemen may be accompanied by ladies on the same terms, namely: Saloon fare from Leeds to Scarborough, hotel accommodation at two of the best hotels from mid-day on Saturday, August 17th, till mid-day on Monday, August 19th (with the exception of wine). The Cliff Bridge Company will admit members free to their Grounds on the three days, August 17th, 18th, and 19th, after 5 p.m. All excursions and other entertainments are open to all members and ladies accompanying them on production of their tickets. The luncheon to be given on Saturday will be by invitation only, as it is not possible to secure a room for an unlimited number. Any further particulars with regard to the Scarborough Excursion can be obtained on application to Charles F. Hutchinson, M.D., Honorary Secretary, May Lodge, Scarborough.

2.—*The Ilkley and Bolton Abbey Excursion.*—The route of this excursion runs from Leeds in a north-westerly direction, leaving the Midland station at 9.35 A.M.; it passes by way of Armley, Kirkstall (with a view of the old abbey of that name), and continues along the Airedale Valley to Apperley Bridge.

After passing Kirkstall Forge, the vale opens out, showing Calverley to the south and on the north, giving a fine view of the slope of the hill from Rawdon, on which, as prominent objects, stands the Rawdon Convalescent Home (founded, for poor patients, by the late Sir H. W. Ripley, Bart.)

and the Rawdon Baptist College. These and the numerous villa residences of Leeds and Bradford merchants, embowered in trees, form a pleasant and striking landscape. Passing Apperley Bridge, the line curves temporarily towards the north, up a steep incline, affording a glimpse of the upper portion of the Airedale Valley, with Shipley and Bradford in the distance; it then enters a wooded and tunnelled portion, curving back to the west and reaching Guiseley; here, and at Ilkley, the members of the excursion will be joined by their entertainers, and the train will proceed along the south side of the Wharfedale Valley, towards Ilkley.

Just before the valley opens there lies, on the south side of the line, the New Menston Lunatic Asylum, to which the Psychological Section intends to pay a visit. Beyond this the line divides, one branch turning to the east to Otley, the other pursuing its course to Ilkley and Bolton. In the angle made by this division lies the burial place of the late Right Hon. W. E. Forster. The spot affords a view of the extent of Wharfedale, which, following the course of the river Wharfe from Bolton on the west, runs to where the North Eastern line, on its way to Harrogate, crosses the valley at Arthington, on the east. The dale is one of the most beautiful in Yorkshire, offering at certain points almost unique views, as that at Otley Chevin, Brimham Rocks, and the Cow and Calf. The town of Otley lies at the east end, on the north side of the valley, opposite the Chevin; the village of Burley lies embedded in foliage in the middle of the dale, while Ben Rhydding and Ilkley lie on the cliff or south side of the dale, at the edge of Rumbold's Moor.

The train, proceeding, passes the Burley Station, and at this point on the rising ground of the north of the dale may be seen Denton Hall and Park, formerly the residence of the famous Fairfax, now the seat of Mr. Wyville, J.P.; and, further west, Myddelton Lodge, the home of the Middeltons, one of the oldest Yorkshire county families. The ground now rises precipitously to the south, and the first object which strikes the eye is the splendidly situated hydropathic establishment of Ben Rhydding. Further to the west of it are seen the massive rocks called the Cow and Calf, and the Ilkley district opens out, extending almost from the edge of the moor for a mile or more down a gentle slope to the river Wharfe. As the train moves past Ilkley, a good general view will be obtained of its spa establishments and villa residences. The train goes on past the village of Addingham (with Beamsley Beacon behind) till it reaches Bolton Bridge at 10.49; at this station wagonettes will be in readiness to take the party to the Priory and Bolton Woods. Most people have seen the beautiful print of "Bolton Abbey in the Olden Time." The remains of the Priory are charmingly situated, and form a grand adjunct to the restored church. To strangers the history of the structure will be freely afforded by some of the

gentlemen accompanying the party. From the Priory the party will be conveyed to Bolton Woods and the Strid in wagonettes.

The woods and stream will afford their own beautiful commentary ; and the romantic story of the "boy of Egremont" checked in his spring across the "Strid" by the leashed hound, and drowned in the torrent ; the despair of the mother, "Alice de Romille," and her subsequent founding of the Priory, can all be told on the spot. Time will not afford more than a distant view of "Barden Tower," the home of the Cliffords, and walk through the woods, nor can a visit to the Valley of Desolation, with its waterfall, be risked ; but these will scarcely be missed amid the surrounding beauties. The wagonettes will return from the Strid about 12.40 to the Devonshire Hotel, where, if the day be propitious, lunch will be served on the lawn at 1.45 p.m.

The train will leave Bolton Abbey Station at 2.47 p.m. on its return to Ilkley ; and here the rest of the day, till dinner-time, will be spent visiting the points of interest in its immediate precincts. Ilkley and its neighbouring "Rombald's Moor" have their aboriginal and Roman history, with their "Cairns," "Barrows," Roman stations and roads. Monumental relics have been found abundantly, and one is to be seen at the back of the Rose and Crown Inn, and three ancient crosses in Ilkley Churchyard. The old Parish Church will repay a visit. All that the antiquarian will require to indicate the ancient history of Ilkley may be obtained from "Lund's 6d. Guide." Modern Ilkley, as a spa and health resort, as well as Ben Rhydding (which was the first of the large hydropathic establishments in the neighbourhood), owes its celebrity, not to any medicinal virtue in its water, but to the wonderful purity and abundant supply of that water, and to the charming situation of the place. There is a valuable chalybeate spring at the side of the Moor at Heber's Gill, past the Semon Convalescent Home, but this is quite apart from the main "Ilkley water." This Ilkley water seems specially adapted for drinking, and for all such purposes as are comprised under the head of "Hydropathy ;" hence the abundance of these establishments. All, or a choice number, of these may be visited ; from the original "Old White Wells," which everyone will observe high up on the hill side, through the grand structure of Ben Rhydding (Medical Officer, Dr. Johnstone) ; the palatial Ilkley Wells (Medical Officer, Dr. Scott) ; the well-known "Craiglands" (Medical Officer, Dr. H. Dobson) ; the Elizabethan structure, "Troutbeck ;" the "Spa" establishment in the Grove, to Rockwood House, Marlborough House, and Stony Lea. Besides these there is above the Grove, on the slope of the hill, the Ilkley Hospital (Medical Officer, Dr. Johnstone), established in 1829 as the Ilkley Bath Charitable Institution. This institution has from 700 to 800 patients passing through it in a year ; these are recommended by subscribers ; and it can be said with truth that the simple treatment and capital Ilkley air

materially reinvigorates many of them. Another admirable institution, founded by the late Mr. Charles Semon, of Bradford, and bequeathed by him to the town of Bradford, is the Semon Convalescent Home, situated quite on the edge of the moor, south-west above Ilkley, and intended for the convalescent and weakly of the working class, clerks, and warehousemen; the whole charge for board and lodging is 12s. 6d. a week, the extra cost being furnished by the fund left by Mr. C. Semon. The people can wander on the moor at will, and convalescents are carried up from the railway by omnibus. The home is open to others beside the inhabitants of Bradford. There are a number of hotels at Ilkley, the principal of which are the Middleton, the Crescent, etc.; but the hydropathic establishments also accommodate visitors even for a few days. Between the return arrival of the train at Ilkley and the hour at which the party will dine (5.30 p.m.), beside the places enumerated and the general exploration of Ilkley, if the day is fine, a walk to the "Cow and Calf" (on the way to Ben Rhydding) will yield a magnificent view from those rocks. Also $1\frac{1}{2}$ mile from the station south-south-west, another splendid view is obtained from the "Panorama rocks." Again, the walk to Myddelton Moor, $1\frac{1}{2}$ mile north over the Ilkley bridge, will afford many interesting views. To any of the party who may prolong their stay over the excursion, the points of interest in the locality are many and varied, as Skipton town and castle, Keighley and Howarth (home of Charlotte Brontë, 14 miles), Denton Park, Otley and the Chevin, Farnley Hall ($2\frac{1}{2}$ miles from Otley, full of interesting historical records), Burley, Harewood House, Harrogate, Ripon, and Fountains Abbey, etc. After dinner, time sufficient will be afforded for a leisurely stroll to the Ilkley station, from which the train will start on its return journey promptly at 8.35 p.m. for Leeds and Bradford.

3. *York, Helmsley, Rievaulx Abbey.*—The party will leave the North Eastern Railway Station (New) at 9.10 a.m., reaching York at 9.50, where they will be met by the representatives of the profession of York, who have hospitably undertaken to entertain the party, and to shew them the various objects of interest. The party will first visit the gardens of the Yorkshire Philosophical Society, kindly thrown open to them by the courtesy of the Honorary Secretary, Mr. Noble, and the Council of the Society. The visit will be supervised by Canon Raine. Amongst the objects of interest are the ruins of St. Mary's Abbey, a portion of the old Roman walls and a large collection of Roman and other antiquities in the museum and hospitium of the Abbey. Afterwards the party will proceed to the Palace of the Stuart Kings, in which is located the Wilberforce School for the Blind. Mr. Buckle, the superintendent of the school, has courteously undertaken to point out the features of interest connected with this historical building. Leaving the Stuart Palace, our visitors will proceed, by way of Bootham Bar, to the Minster, where Canon Raine, in the

unavoidable and regretted absence of the Dean of York, will again kindly undertake the duties of cicerone. After viewing the Minster, it is proposed to pay a visit to the Mansion House and Guildhall, where the members and their friends will be received by the Lord Mayor. The ancient plate preserved in the Mansion House and Guildhall, which is one of the finest Gothic halls in existence, will, it is believed, be inspected with much interest. Luncheon, by invitation of the profession in York, will be served at the Station Hotel at 1 o'clock, after which the party will be conveyed by special train to Helmsley. Here carriages will convey them to Rievaulx Terrace, whence, having seen the beautiful view, they will proceed to the Abbey, driving through Duncombe Park to the Home Terrace, and thence by the ruins of Helmsley Castle to the Black Swan for dinner. The train will leave Helmsley for York in time to catch the night mail from York, and the 9.35 for Leeds.

4. *The Harrogate Excursion.*—The party will proceed by special train from the North Eastern Railway Station (New) about 9 A.M. to Pannal, where they will be met by carriages. The beautiful grounds and rocks of Plumpton will then be visited, where light refreshment will be provided; afterwards the party will drive to Knaresborough Castle, the Dripping Well, and the caves memorable as connected with Eugene Aram. Thence by Scriven and Ripley Castle to Harrogate. Here the members of the profession in Harrogate will entertain the party at lunch in the New Bath Hospital about 2.30 P.M., afterwards carriages will be provided, so that places of interest may be visited. Various other entertainments will be organised, and in the evening the houses of the various medical men will be thrown open to visitors, and members can return to Leeds either by the special train, or by one of the numerous trains leaving Harrogate for Leeds in time to catch the night mails. It is expected that many will arrange to stay in Harrogate over the Sunday.

5. *The Brimham Rocks, Fountains Abbey, Studley Royal, and Ripon Excursion.*—Special train will leave the North Eastern Station (New) at 9 A.M. for Nidd Bridge, where carriages will meet the party to convey it by Ripley Castle up the north side of Nidderdale to the fantastic rocks at Brimham; thence to Castlestead, where the party will be entertained at luncheon by Mr. George Metcalfe. After luncheon the party will proceed over the moors to Fountains Abbey and Studley Royal, the grounds being specially laid open. Here tea, with light refreshments, will be provided by the Most Hon. the Marquis of Ripon. Having viewed this, the finest of the Cistercian abbeys, the party will proceed to Ripon, where, having seen the cathedral, they will be received and entertained at the Palace by the Bishop of Ripon and Mrs. Boyd-Carpenter. The train will leave Ripon for Leeds at 8.25 P.M., reaching Leeds about 9.30 o'clock.

6. *The Washburn Valley and Farnley Excursion.*—The object of this excursion is to show the waterworks in connection with Leeds, the beautiful scenery of the Mid-Wharfe and Washburn Valleys, and the unique collection of Turner paintings at Farnley Hall. The whole journey will be by carriage. The party will first be conducted to Adel Church, when the Rector will show this most perfect specimen of Norman architecture; thence past Creskeld by Arthington and Port Bridge, through the picturesque village of Leathley, with its old church and village stocks, through Lindley Wood to the Reservoir, where Messrs. Greenwood and Batley will show some interesting torpedo experiments. The party will then proceed over Norwood Edge, whence a splendid view of the whole valley can be obtained by Swinsty Reservoir to Fewston (the Sinking Village). Here lunch will be provided by the Chairman of the Leeds Waterworks Committee, Mr. Alderman Woodhouse. The party will then drive by Snowdon Moors to Farnley Hall, the seat of Mr. Ayscough Fawkes, who has kindly consented to exhibit his unrivalled collection of paintings by J. M. W. Turner, as well as his Cromwellian relics. Thence to Otley, where dinner will be served at the White Horse Hotel, the party reaching Leeds in time for the night mails.

7. *Malham Cove, Gordale Scar, and Settle.*—The object of this excursion is to show the remarkable scenery produced by the Great Craven Fault in the Mountain Limestone, one of the grandest examples in England. A special train will leave the Midland station at 8 A.M., reaching Bell Busk about 9.40 A.M. Here carriages will be waiting to convey the party by Calton Hall, the birthplace of General Lambert, and Kirkby Malham, with its interesting church and registers, to Gordale Scar, described by Wordsworth as “one of the grandest objects in Nature.” The party, having been refreshed at a farmhouse, will divide into two, the more adventurous going over the cliffs to Malham Cove, where they will meet the party who have driven round. Having viewed this magnificent amphitheatre of rocks, the party will return to Kirkby Malham, and will here again divide. The lighter carriages, with those who prefer a walk with an ascent of 700 feet, will go over Highside, where a magnificent view of both Airedale and Ribblesdale can be obtained; thence by Scaleber Force to the Ashfield Hotel at Settle, where, being joined by the other party, who have driven round by Otterburn and Long Preston, dinner will be served. After dinner they will drive up Ribblesdale to great Stainforth Force, returning by Giggleswick, where may be seen the ebbing and flowing well, and the Royal Victoria Cave Remains in the museum at the school. They will then return by Settle to Leeds, which will be reached about 9 P.M.

8. *The Hull Excursion*, most generously offered by the members of the East York and North Lincoln Branch, has had most regretfully to be abandoned.

The fee for each of the above excursions will be 10s. 6d., except in the case of the Scarborough excursion, for which one guinea will be charged. All applications for tickets, with remittance, to be made to me. Tickets will be sent August 1st.

CHARLES M. CHADWICK, Honorary Secretary,
Excursions Sub-committee.

ELECTION OF MEMBERS.

The applications of the following Candidates were received too late for the Supplementary List.

(5)

- CARRUTHERS, JOHN, M.D., F.R.C.S.E., Rockferry.
*J. W. Paton, *J. M. Hunt, A. H. Wilson.
- DAVIS, FREDERICK LIONEL, L.R.C.P., M.R.C.S., Leathley Lodge, Leeds.
C. G. Wheelhouse, *John Exley, *C. M. Chadwick.
- SELLERS, ARTHUR EDWARD, L.R.C.P., M.R.C.S., Ida Hospital, Cookridge, Leeds.
*A. F. McGill, *E. Atkinson, *H. Littlewood.
- SMITH, THOMAS, L.R.C.P., Leathley Lodge, Leeds.
*J. E. Eddison, *C. M. Chadwick, *Chas. Richardson.
- STEWART, DANIEL, M.D., L.R.C.S.E., Liff-by-Dundee.
*R. Sinclair, *D. McEwan, *J. W. Miller.

* ARE SIGNED FROM PERSONAL KNOWLEDGE.

Programme of Proceedings.

Tuesday, August 13th, 1889.

- 9.30 A.M.—Meeting of 1888-89 Council. Council Room, Mechanics' Institute.
 11.30 A.M.—First General Meeting. Report of Council. Reports of Committees; and other business. Coliseum.
 4 P.M.—Service in Parish Church. Sermon by the RIGHT REV. THE LORD BISHOP OF RIPON.
 8.30 P.M.—Adjourned General Meeting from 11.30 A.M. President's Address. Coliseum.

Wednesday, August 14th, 1889.

- 9.30 A.M.—Meeting of 1889-90 Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Second General Meeting. Address in Medicine by J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S. Coliseum. Presentation of Stewart Prize to DR. E. KLEIN, F.R.S.
 4.30 P.M.—Surgical Demonstration, Hall of Infirmary.
 4.30 to 6 P.M.—Afternoon Reception at the Yorkshire College, by the President, Council, and Senate of the College.
 4 to 6.30 P.M.—Reception given by COLONEL WILSON, 3rd Vol. Batt. West York. Regt., to Members in the Services, at the Carlton Barracks.
 8.30 P.M.—*Conversazione* by the President of the Association and Local Executive Committee in the Art Gallery and Municipal Buildings.

Thursday, August 15th, 1889.

- 9.30 A.M.—Meeting of the Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Third General Meeting. Address in Surgery by T. PRIDGIN TEALE, M.A., F.R.S., F.R.C.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Gledhow Hall, given by SIR JAMES KITSON, BART.
 7.30 P.M.—Public Dinner of the Association in the Town Hall.

Friday, August 16th, 1889.

- 10.30 A.M. to 1.30 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Concluding General Meeting. Address in Psychology by SIR JAMES CRICHTON BROWNE, M.D., F.R.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. JESSOP, F.R.C.S.
 4.30 to 6 P.M.—Garden Party at the W. R. Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds in the Town Hall.

Saturday, August 17th, 1889.

- 4.0 P.M.—Garden Party at The Palace, Ripon, given by the LORD BISHOP OF RIPON and MRS. BOYD CARPENTER.

EXCURSIONS.—(1) Scarborough; (2) Ilkley and Bolton Abbey; (3) York, Helmsley, Rievaulx Abbey; (4) Harrogate; (5) Brinham Rocks, Fountains Abbey, Studley Royal and Ripon; (6) Washburn Valley and Farnley; (7) Malham Cove, Gordale Scar, and Settle.

Programme of To-day.

Tuesday, August 13th, 1889.

9.30 A.M.—Meeting of 1888-89 Council. Council Room, Mechanics' Institute.

11.30 A.M.—First General Meeting. Report of Council. Reports of Committees; and other business. Coliseum.

4.0 P.M.—Service in Parish Church. Sermon by the Right Rev. the LORD BISHOP OF RIPON.

8.30 P.M.—Adjourned General Meeting from 11.30 A.M. PRESIDENT'S ADDRESS. Coliseum.

NOTICE.—*Speeches at General Meetings must not exceed TEN minutes each. At the Sectional Meetings no Paper must exceed FIFTEEN minutes in reading, and no subsequent speech must exceed TEN minutes.*

FRANCIS FOWKE, *General Secretary.*

American and Foreign Delegates are requested to present their credentials to the General Secretary at his Office, that their names may be announced at the General Meeting.

Agenda.

FIRST GENERAL MEETING OF MEMBERS,

Tuesday, August 13th, 1889,

AT HALF-PAST ELEVEN O'CLOCK IN THE FORENOON.

The Minutes of the last Annual Meeting.

The President, Dr. W. T. GAIRDNER, for 1888-1889, retires, and MR. C. G. WHEELHOUSE, President for 1889-1890, takes the Chair.

Resolution of thanks to Dr. W. T. GAIRDNER, the ex-President.

REPORT OF COUNCIL

AND

FINANCIAL STATEMENT FOR THE YEAR ENDING DECEMBER 31ST, 1888.

IN meeting you again in Leeds, your Council would call attention to the fact that this is one of the towns in which the Association will now have been entertained for the third time. Those of you who were present when the Association met here twenty years ago will remember the brilliant and hospitable reception then given, and your Council feel assured that this meeting, under the presidency of Mr. Wheelhouse, will not be less successful than those which have preceded it.

A comparison of the Association, the number of its members, and its position on the occasion of its first visit in 1843, with those of the present time, shows that its members at that time numbered only a little over 1,600; the income was £2,102; and the expenditure, £1,488; leaving a balance of £613 in favour of the Association.

In 1869, the occasion of the second visit to Leeds, the Association had increased to 4,095 members, but the income had scarcely risen in proportion; the receipts were £5,571, the expenditure £5,371, leaving a balance in the Treasurer's hands of £200, and the estimated excess of assets over liabilities was at that time put down at £166. The Association now numbers more than 12,000 members, and the balance of assets over liabilities is £35,617.

Inclusive of the present, the Association will have held fifty-seven annual meetings in thirty-five towns and cities; it will thus be noticed that many towns will have entertained the Association more than once. As a fact several have received it three times since the first foundation; for example, Birmingham, Bath, Leeds, Manchester, Liverpool; while others of importance have only been visited once, and many not at all. It appears almost as though the Branches, while doing good work socially and scientifically by their meetings, tend rather to centralise their efforts in one or two localities, and leave others out of close or direct contact with the parent Association. There may also be another reason why the Association has not been invited by some important places, namely, the questions of expense and accommodation. Your Council would point out with regard to the first objection that the Association has been well entertained with a reception fund of £400 to £500; and with regard to the latter, that the meeting is small in a small town, and usually averages about 500 members.

Again, your Council have to congratulate you upon the formation of new and important home and colonial Branches. First of these in the order of recognition is one established at Malta, called the Malta and Mediterranean Branch. This is the first formed for the combined services. Branches have also been formed in the Punjab, Griqualand West, Bombay, Barbadoes, and Tasmania. From Cape of Good Hope a request to have a formal recognition of a most important Branch, starting with forty members, has been received. All these Branches, it is hoped, will form active and important centres of the Association in their respective localities. A Branch has also been added in Scotland, for Stirling.

The members residing in Derry, finding it so long a journey to Belfast, have asked permission to form a separate Branch; this request has been complied with, and the recognition by the Council of the Association has been granted. This, no doubt, gives facilities for members in that part of Ireland to meet more frequently for scientific and social intercourse, and so to add to the good work of the Association in that country.

Your Council regret that at present no steps have yet been taken to re-establish the important Branch of Cork and South of Ireland. It will be remembered that an Annual Meeting of the Association was held there in 1879, over which Dr. Dennis O'Connor presided. Your Council grieve to report his death during the past year.

Your Council have the pleasure to report a successful financial year. The expenditure has been £27,691, while the revenue has been £31,755, leaving a surplus balance of £4,093. £3,200 of this has been expended on the leases of 2 and 3, Agar Street. These will give the extra rooms required for committees, and also further space for the compositors on the top floor. Now that the Association can afford it, your Council consider that the time has arrived when the subscription of members resident abroad may fairly be reduced to £1 1s., the same as that of the home members, and that the extra postage of the JOURNAL to the Colonies need be no longer charged. This they hope will be regarded as a boon to the colonial members, and the amount formerly charged for postage of 2s. 6d. to the

Colonies and of 5s. to India will now be borne by the Association. More especially your Council hope that Indian members will appreciate the alteration, as, not only is the extra postage of the JOURNAL heavy, but there is also a serious charge for exchange in remitting subscriptions home. The present cost to the Association is about £400 per annum.

The organisation of a Library and Reading Room for the use of the members of the Association is making good progress. As the result of handsome donations from private individuals, members of the Association, and from authors and publishers, the collection of books has already considerably outgrown the accommodation first made available. The large Council Room has now, therefore, in virtue of a grant of £300, been fitted with bookcases and shelves which can accommodate some thousand further volumes. Steps will be taken to obtain a considerable supply of current periodical literature of all countries for reference, which may be acquired by a system of exchanges set on foot by the Editor of the JOURNAL, and it is hoped that the Reading Room will be made a useful, popular centre for the purpose of study and reference by members of the Association, who will there also have the opportunity of carrying on and receiving correspondence when in London. While thanking members of the Association, authors, and publishers who have already so generously contributed to form the nucleus of a library, it is hoped that now this extensive accommodation has been supplied, these donations will in the future be considerably increased.

The Council propose this year to make a grant of £300 for the purchase and acquirement of books of reference for the use of readers.

The number of members on the books last year was 12,265; during the year 954 have been elected, 110 have died, and 212 have resigned, leaving on the books 12,897.

It is again with grateful thanks that your Council would call your attention to the efficient work of your Honorary Secretaries to the Branches; their effective help, given without stint of labour or of time, tends to the material advancement of the Association. It is with regret your Council have to report the resignations of Dr. Ormsby, to the Dublin Branch; of Mr. Vincent Jackson, to the Staffordshire Branch; of Mr. W. E. Green, to the Isle of Wight District of the Southern Branch; Mr. Cureton, of the Shropshire and Mid-Wales Branch; and of Dr. Eastes, of the Metropolitan Branch.

Dr. C. Norman, Dr. C. Reid, Dr. R. Robertson, Mr. James Allen, Bratton, and Dr. Crocker, have been elected to fill the respective vacancies,

In accordance with the trust deeds of the Middlemore and Stewart funds these prizes have again been offered in accordance with the wishes of the donors. Only one essay has been received for the Middlemore Prize. The adjudicators report that this essay is not of sufficient merit to justify the award. The Stewart Prize has been awarded to Dr. Klein, for good work done. Your cordial thanks are due to Dr. Littlejohn, Dr. Grimshaw,

and Dr. Corfield, who have acted as adjudicators in the Stewart Prize, and to Dr. Swanzy, Dr. Reed, and Mr. Priestley Smith, who have acted in like manner for the Middlemore Prize.

The work of the Parliamentary Bills Committee has been chiefly directed towards (1) resisting proposals which had been made from factory owners to the Home Secretary for reducing or abolishing the part taken by certifying surgeons in carrying out some of the most important provisions of the Factory Acts; (2) in taking steps to bring under the notice of the Commission appointed to consider the question of rank, title, etc., of army medical officers, the views ascertained to be held by a large number of the members of the Service, as was proved by the former action of this Committee. This Commission has been mainly appointed in consequence of the past exertions of the Parliamentary Bills Committee on behalf of that service, of which due record has been made in past reports and in the reports of that Committee, and of the annual meetings of the Association. Thanks are due to Mr. C. Macnamara for the valuable assistance which, as a member of the Commission, he has rendered in bringing the documents and facts connected under the notice of the Commission. (3) The other work of the Parliamentary Bills Committee has been to secure further amendments in the Lunacy Acts Amendment Bill in its course through the House of Lords and the House of Commons, with the object of protecting alike the interests of the medical profession and of the public. Those efforts have been made with considerable success in some important particulars. Finally, great attention has been given to the consideration of the Local Government (Scotland) Bills, and a series of amended clauses have been prepared by the Chairman of the Committee after much correspondence with leading authorities in Scotland, and have been submitted to the Committee with the assistance of Dr. Farquharson, M.P., and other parliamentary friends. A full report of the work of the Committee will be presented separately.

The Scientific Grants Committee, in consequence of the numerous and large applications for aid in scientific research, asked for and obtained £100 as an addition to the usual grant of £300. Unusually good work appears, by the report of the Committee, to be in progress.

Your Science Scholars are at present Dr. Sidney Martin and Dr. Ralph Stockman; the latter was appointed to investigate the chemical changes which menthol, camphor, and similar bodies undergo after absorption, and the action of the camphor group on the heart and circulation; also an investigation into a new body which acts like digitalis; and other researches. Dr. Sidney Martin was appointed to investigate the toxic albumens, and on the pathology (experimental) of diseases of the stomach.

The Inebriates' Legislation Committee have, with the aid of the Society for the Study of Inebriety, succeeded in securing permanent legislation with a few minor though useful amendments.

Having thus obtained permanence to the Inebriates Acts, the Committee have been devoting their energies to forming such a strong public opinion as will be likely to secure from Parliament more effective provision for

the compulsory admission to retreats of inebriates unwilling to apply voluntarily; for the less forbidding reception of voluntary patients; and for provision for special medical care and treatment of the impecunious.

A peculiarly gratifying tribute to the work of the Committee has been the drafting of a bill for Scotland, insisting on these among other provisions, by a Crown official, supported by many of the most eminent legal authorities in that country.

These leading principles of the proposed measure have been approved by the Medico-Chirurgical Society of Edinburgh, and by your Inebriates' Legislation Committee.

The Collective Investigation Committee has been engaged winding up the inquiries which were still in progress at the end of last year, and has not entered on any fresh undertaking. It has presented to the Council an elaborate Report upon its inquiry into the Geographical Distribution of Certain Diseases, in the form of a series of detailed maps accompanied by a commentary.

The latter was published in the JOURNAL of January 19th; the former are deposited in the Library of the Association; they have been exhibited by the Secretary of the Committee at the meetings of various Branches, and will be on view at the Annual Meeting in Leeds. A report, supplementary to that on Habits of Intemperance, upon the Causes of Death among Gouty Men, was also published in the JOURNAL of January 19th.

During the past year pharmacological researches have been initiated under the personal direction of members of the Therapeutic Committee. Details of these will be forthcoming in the Report which the Committee brings forward. In their report they will also make suggestions by which it is hoped that their work will be extended in the investigation of strictly therapeutical questions.

At the Annual Meeting held in Glasgow last year, the Psychological Section appointed a Committee to consider the state of children unfit, from mental and nervous conditions, for ordinary school teaching. Since the appointment of the Committee 14 schools have been visited, 5,344 scholars have been personally examined; a grant of £50 was made to the Committee for expenses, which they ask to be renewed. The Committee will place the result of their investigations before the meeting at Leeds.

Questions relating to the conduct of the JOURNAL have been more than once under discussion during the year. A remonstrance from many leading medical men concerning the publication in the JOURNAL of a certain script document appeared to the Council to be well founded in principle, and, after receiving explanations as to the circumstances of its publication, the Council thought it right to express their regret that this document had been made public. Subsequently a memorandum was brought to the notice of the Council which had been prepared and issued for communication to the Branches of the Association of which the main suggestions was that all articles, reviews, letters, etc., in the JOURNAL should be signed. After careful inquiry and full consideration, the

conclusion was arrived at, expressed in the memorandum published in the JOURNAL of May 4th, 1889 (page 1,025), that in view of the functions which the JOURNAL has to fill as a weekly newspaper, called upon to defend the interests of all classes of the profession, and to furnish early information to its many thousands of readers in all parts of the world, and, having regard to its large staff of official and unofficial contributors, to whom the signing of their articles would be impossible, it was absolutely necessary that the confidential character of their communications should be protected under the shield of editorial responsibility as heretofore, and as is customary in all the leading journals and newspapers of this country.

In respect to advertisements it was found that great and very special care was taken to exclude all objectionable matter, and, in going into detail, the objections raised were found to be very few in number, and such as could be satisfactorily dealt with.

It is unnecessary to insist on the vast importance to the Association and to the profession of the efficiency of the JOURNAL and its popularity with all classes, at home and abroad, as a means of sustaining the numbers and widening the sphere of influence of the Association, as well as of maintaining its finance in a sound and prosperous condition. These objects the Council are glad to say are shown to have been accomplished by the facts and figures published during the past as in previous years; and during no period have the evidences at home and abroad been more marked, of the high opinion which is entertained of the literary, scientific, professional, and social value of the JOURNAL, and of the extent to which it is everywhere valued as standing in the front rank of medical journalism.

The Council think it right to renew on this occasion their expression of confidence in the ability and devotion of the Editor and General Secretary to all the best interests of the Association, and to the marked success with which the JOURNAL of the Association has for many years been conducted.

The Editor has suggested in a memorandum submitted to the Council that, with a view of assisting him in his onerous responsibilities in the management of the JOURNAL, he should have the support henceforth of a Reference Committee meeting weekly at the office, and which should include the President of Council and the Treasurer of the Association for the time being, together with specially appointed members. Of this suggestion the Journal Committee and the Council have approved, and it has been carried into effect.

The Council has appointed as special members of the Committee Dr. Farquharson, M.P., of London, and Dr. Donald MacAlister, of Cambridge. Provision has been made for the due payment of the two special members for their attendance. The President of the Council and the Treasurer of the Association give their services without fee. The arrangement has been found to work well, and the weekly meetings of the Committee have taken place regularly since May 2nd.

Amongst others your Council grieve to have to report the loss to the Association by death of the following members: Dr. J. M. Fothergill,

W. N. Price, Esq., Dr. J. N. McCulloch, N. Crisp, Esq., Dr. E. J. Barker, F. Mason, Esq., Dr. J. K. Milne, James Symes, Esq., the Rev. David Bell, M.D., Dr. L. Armstrong, Deputy-Surgeon, General R. A. Chapple, Dr. G. H. Barfoot, E. G. Francis, Esq., Dr. J. Chalmers, J. Hall, Esq., Dr. E. Jackson, Dr. Dennis O'Connor, Dr. George Duff, M.A., R. Davies, Esq., Dr. A. Asher, Dr. E. Davidson, Surgeon J. Bulfin, Dr. R. Keith, Dr. P. B. Tucker, M. Brummell, Esq., Dr. A. J. Sinclair, Dr. W. H. Walker, Dr. G. T. Budd, Plymouth, F. W. Brown, Esq., Dr. Sankey, Dr. C. J. B. Williams, Dr. John Mackenzie, W. P. Keall, Esq., Dr. J. Rogers, Dr. J. Maclaren, C. T. Carter, Esq., G. Woods, Esq., Dr. R. McDonnell, Surgeon M. Gaisford, I.M.S., Dr. W. M. C. Watson, Dr. A. Nickson, B.A., Dr. W. S. Falls, E. R. Perks, Esq., Dr. W. M. Burslem.

THOMAS BRIDGWATER,

President of Council.

July 10th, 1889.

BRITISH MEDICAL ASSOCIATION.
FINANCIAL STATEMENT FOR THE YEAR ENDING DECEMBER 31ST, 1888.
BALANCE SHEET.

DR.		LIABILITIES.		CR.		ASSETS.		
£	s. d.	£	s. d.	£	s. d.	£	s. d.	
To Subscriptions paid in advance	502	2	10	By Subscriptions—Amount due	...	929	3	11
" Advertisements ditto	583	0	3	" Advertisements—Amount due	...	2,810	10	9
" Publishing ditto	...	...	...	" Sundry Sales—Amount due	...	216	15	2
" Contributors	569	19	5	" Due from Hastings Memorial Fund	...	4,500	0	2
" Reporting	24	4	0	" Lease	...	...	...	...
" Engraving	91	5	10	" Agar Street Premises	...	3,580	5	4
" Printing Journal	329	12	0	" Alterations to Premises	...	1,506	13	5
" Paper for Journal	545	2	8	" Furniture and Fixtures at cost	...	...	...	...
" Miscellaneous Printing	29	11	6	" Plant and Type at Cost	...	5,066	18	9
" Inebriates Committee	12	8	0	" Interest due on Investments	...	1,425	15	4
" Stationery	23	5	1	" INVESTMENTS	...	292	4	0
" Coal and Coke	1	5	0	" Cash, namely—	...	19,969	7	6
" Repairs	7	17	4	London and Westminster Bank on current account	...	1,904	0	4
" Legal Charges	24	2	4					
" Wood Fund	25	0	0					
" Rates, Taxes, and Insurance	106	12	4					
" Plant and Type	73	16	1					
" Surmises	22	8	0					
TOTAL LIABILITIES	2,785	3	1					
Depreciation—as at 31st Dec., 1887	672	13	2					
Less, 18 years, one-eighteenth of	4,500	0	0					
Alterations, do.,	3,580	5	4					
Furniture, 15 o/o on	1,506	13	5					
Plant Depreciation and Renewal Fund as at Dec. 31st, 1887	870	17	3					
Add for 1888	200	0	0					
Less New Plant purchased this year	1,070	17	3					
Surplus Account, namely:—	877	13	5					
Balance on January 1st, 1888	31,523	19	8					
Balance brought from Revenue Account	4,093	13	3					
BALANCE, being total of assets over liabilities	35,617	12	11					

Revenue or Profit and Loss Account for Year ending December 31st, 1888.

	£	s.	d.		£	s.	d.
Editorial Expenses (Salaries, Contributions, } ...	4,014	14	0	Subscriptions ...	13,719	19	4
Engraving, and Reporting) ...	...	...	...	" former years ...	...	...	...
Expenses of Journal (Printing, Postage, and Paper)	12,956	4	9	Advertisements ...	15,038	10	0
Office Expenses (Rent, Taxes, Office Postage, etc.)	2,478	17	1	Sundry Sales of Journal ...	1,338	8	4
Office Salaries and Wages ...	2,047	19	0	Collective Investigation Record Sales ...	...	...	...
Association Expenses (Scientific Grants, Scholarships, } ...	1,832	8	7	Sundries—Reading and Binding Covers ...	...	...	...
Expenses of Committees and Gold Medal of Merit, etc.)	...	...	...	Reprints ...	...	...	...
Plant Depreciation Fund ...	200	0	0	Interest on Investments ...	...	...	...
Provision towards redemption of expenditure on Alteration of } ...	674	17	9	Scientific Grants unused and returned ...	...	...	...
Premises, Lease of Premises, and Furniture and Fittings	...	...	...	Sale of Waste, etc. ...	...	...	...
				Discount on Printing, Paper, etc. ...	...	...	...
Subscription Losses from death ...	£24,205	1	2				
Discounts and Allowances ...	367	17	3				
	3,118	15	6				
	£27,691	13	11				
Surplus Balance for Year carried to Balance Sheet ...	4,093	13	3				
	£31,785	7	2				
					£31,785	7	

STEWART FUND.

£579 invested in 4 per cent. Caledonian Railway Debenture Stock, in the name of the British Medical Association.

1888.		£	s.	d.
Jan. 1.	To Balance brought down	70	13	0
Dec. 31.	„ Interest one year on £579...	22	10	11
		<u>£93 3 11</u>		
1888.		£	s.	d.
Dec. 31.	By Balance carried down	93	3	11
		<u>£93 3 11</u>		

MIDDLEMORE FUND

£500 invested in 4 per cent. North British Railway Debenture Stock, in the name of the British Medical Association.

1888.		£	s.	d.
Jan. 1.	To Balance brought down	54	12	0
Dec. 31.	„ Interest one year on £500 ...	19	9	4
		<u>£74 1 4</u>		
1888.		£	s.	d.
Dec. 31.	By Balance carried down	74	1	4
		<u>£74 1 4</u>		

HASTINGS FUND.

£477 invested in 4 per cent. London and North-Western Railway Debenture Stock, in the name of the British Medical Association.

1888.		£	s.	d.
Dec. 31.	To interest one year on £477 ...	18	10	6
	„ Balance carried down	20	16	10
		<u>£39 7 4</u>		
1888.		£	s.	d.
Jan. 1.	By Balance	39	7	4
		<u>£39 7 4</u>		

We have examined the foregoing Accounts with the Books and Vouchers of the Association, and find the same to be correct.

PRICE, WATERHOUSE & CO.

28th March, 1889.

MOTION—

“That the Report of Council, together with the Financial Statement for the Year ending 31st December, 1888, be received and adopted.”

 REPORT OF THE PARLIAMENTARY BILLS COMMITTEE.

THE Parliamentary Bills Committee beg to report their proceedings as subjoined :—

CERTIFYING FACTORY SURGEONS.

The following is a short statement of the position of the Committee in the matter : On February 3rd a deputation from the Manchester United Cotton Spinners' Association, representing, it was said, 430 firms, and employing 30,000 people, waited upon the Home Secretary on the question of dispensing with the office of certifying surgeons in factories. It was argued among other things that since the Elementary Education Act had come into force there was no need for the certifying surgeon to attend at the factories in order to certify as to the ages of children working as half-timers ; it was, they argued, a needless expense, as the School Board furnished certificates. A large number of factory surgeons, finding their interests and position attacked, put themselves into communication with the Chairman of the Parliamentary Bills Committee, meetings were held, and they banded themselves into an Association of Certifying Factory Surgeons, with Mr. Francis H. Walmsley as president, and Dr. Holmes as honorary secretary. A summary and review of their present position, as well as a reply to the statements made by the Cotton Spinners' Association, were printed and circulated, and on March 25th a deputation of the Association of Factory Surgeons waited upon the Home Secretary, being introduced by the Solicitor-General for Scotland. Dr. Alfred Carpenter was good enough to attend and represent the Committee in the Chairman's absence. A full report of the meeting was published in the *JOURNAL* for March 30th, p. 735. The Home Secretary replied that the statements made by the certifying surgeons should have his most careful consideration before any change was made in the law. Leaders on the subject have been published in the *JOURNAL* after consultation with persons most interested in the subject, and copies of these leaders, with letters on the subject, have been sent to the Home Secretary. A communication was afterwards received from the Home Office asking for copies of subsequent articles on the subject, which were duly forwarded and acknowledged. A request was made by the Association of Certifying Factory Surgeons for 5,000 reprints of the leaders and for copies of the report of the deputation. That request was complied with.

In order to influence public attention in the matter, a question was put in the House of Commons on April 8th, when Mr. Matthews stated that the representations had been under his consideration, and he hoped to be able to introduce a Bill amending the Factory Acts this session, and he would take that opportunity of stating the decision of the Government on the subject. The memorial was before them for discussion and alteration. The following is a copy of the memorial :

A memorial, of which the following is a copy, was drawn up for presentation to the Home Secretary, and submitted to the members in an unrevised form. Having undergone considerable revision, it was adopted, after discussion, at a meeting of the Committee, held on June 27th, and duly forwarded to the Secretary of State for Home Affairs :

To the Right Honourable the Secretary of State for Home Affairs.

This memorial respectfully shows :—

That the employment of medical men as certifying surgeons was resorted to in the first instance because of the alarming prevalence of disease and deformities among factory operatives.

That as the true interest of the employers is to obtain the greatest efficiency among those they employ, the medical supervision of the physical ability and soundness of those entered for work is contributory thereto.

That no effectual and persistent supervision of the physical condition of those employed in factories is to be got except by the introduction of a neutral person from outside, instructed in the recognition of disease, and able to act in a completely independent manner.

That to rely upon the carefulness and discretion of the parent is altogether futile. Their interests are too intimately bound up with the gain to be obtained by the employment of their children, whose possible unfitness for work is either not recognised, or is purposely disregarded. The whole past history of factories demonstrates this fact, and the every-day experience of the certifying surgeons furnishes illustrations of it.

That it is important to the general sanitary interests of the operatives in a factory that no contagious or infectious disease be introduced from without by those engaged for work ; while the principle goes farther, for it affects the general public, who are the ultimate recipients of the goods manufactured.

That it is essential that persons disabled by deformity or by imperfections of the special senses be not employed where the work is calculated to augment the disablement, or where defects of sensory organs expose the sufferers or their fellow-workers to peril or accident.

That in the interests of humanity it is a primary duty to reject as unfit for work those who exhibit signs of organic disease, whether of lungs or other internal organs.

That it is important to manufactories, where many diverse processes are carried on, as frequently happens, that some competent authority exist to determine not only the general question of fitness for labour, but that also of fitness for the particular work to be undertaken.

That compulsory medical examination acts as a deterrent to parents and others from presenting for employment unfit hands.

That experience shows a marked improvement has been brought about in the physical well-being, the cleanliness and order of children and young persons, which is largely attributable to the action of the certifying surgeons.

That the certifying surgeons, by reporting on the nature and the causes of accidents, and investigating them on the spot, exercise an important function in respect of future action to be taken by the factory inspectors.

That in all the preceding matters it is in their character as medical men that the certifying surgeons are proved to be essential to the due administration, and to the fulfilment of the sanitary purposes of the Factory Acts.

That it is contrary to reason to contend that a certificate of age is in itself sufficient as a guarantee of fitness for work—that is, any sort of labour that may be imposed. For age and physical ability are not convertible terms.

That the vigilance of the certifying surgeons is constantly called into requisition to detect wilful alterations of the dates showing the age, or the fraudulent substitution of certificates of age, or the forgeries of the numbers showing the standard of education reached—for, in many factories, the services of the surgeon are sought for to watch over the observance of the educational conditions of labour.

That the weekly or very frequent visits of certifying surgeons to factories contribute greatly to the proper keeping of the registers—upon which hinges all action to be taken by the inspectors in enforcing the Act.

That, moreover, such visits keep constantly in the view of the masters and managers the operation and requirements of the Factory Act, and afford opportunities to all concerned in the management of factories to seek the solution of any questions respecting the requirements of the Act. In fact the surgeons are perpetually called upon to act as expositors or interpreters of the legislative provisions. This happens by reason of their being at hand, and also by the comparative infrequency of the visits of the inspectors, whose districts are of so great extent that an annual visit to every factory is out of the power of those officers.

That these considerations demonstrate the great value of the services of the certifying surgeons as complementary of the duties specially belonging to the inspectors, and that, as a corollary, the abolition of the surgeon's office would, if the Act is to be administered as efficiently as at present, necessitate a vast addition to the staff of inspectors, at great cost to the country, and, not improbably, with increased friction to the manufacturers. That it is a known fact in small factories, where frequent visits by the surgeon are not arranged for, that there are almost always grave irregularities and omissions in the observance of the law.

That, considering the Factory Act to be established not solely for the benefit of the employed, but likewise for that of the manufacturers, it is a correct principle to charge some part of the cost of its administration upon the latter.

That the revision of fees made by the present Act leaves no valid grounds of complaint, the basis of payment being fixed on the lowest terms. To illustrate: a certificate is to be had at the house or office of a certifying surgeon at the cost of sixpence. This includes the examination of the document produced to show the age; the entry in the register from that document of the assigned date, and the names of parents; the signature to the certificate asserting fitness for work and freedom from disease and deformity, the notice of objection, if any be found, and the date at which the certificate is granted. In the case of factories employing five or more hands coming under the Act, the certificate has to be given at the factory itself; one object of which is to detect personation, and to identify the candidate with the factory in which he is to work. Here, too, the payment is based on the same standard; for although the law allows two shillings and sixpence for the visit to the factory, the surgeon may, and often is, called upon to examine five individuals for that amount.

In these particulars the surgeons' fees present a strong contrast with those allowed to registrars of births, viz.: half-a-crown for a copy of a birth register.

That the earnings of the surgeons are in direct proportion to the number of certificates given and the visits made. That if the sum total reaches, in some instances, a considerable amount, it represents a large district, numerous factories, and much time and labour expended in the duties.

That the re-examination of children, passing from half to full time, or exchanging their places of employment, is as necessary to assure fitness on their part as the primary examination required in commencing work, and on precisely the same grounds.

That instead of curtailing the medical supervision of factory hands, there is a need of its extension. All places of associated labour, whether termed factories or not, should be subjected to like conditions, and the protective influence of the surgeons should not be exercised only at the entrance of a factory, but should, under certain limitations and conditions, be extended to the operatives engaged in it. Moreover, their aid should be available to carrying out to the full those sanitary clauses of the Act at present entrusted to the inspectors.

Lastly, that the special information acquired by the certifying surgeons, relative to disease in factories, might with advantage be communicated to the sanitary department of the State, and be rendered contributory to the repression of disease.

THE LOCAL GOVERNMENT (SCOTLAND) BILLS.

As the result of a number of communications with leading health authorities in Scotland, and with persons in this country well acquainted with the working of the English Acts, the Chairman has had drawn at considerable labour the following new clauses and amendments in the Bill, which were adopted at a meeting of the Committee on June 27th, and, in accordance with a resolution then passed, steps have been taken to ensure their introduction in Committee by various members of Parliament.

LOCAL GOVERNMENT (SCOTLAND) SUPPLEMENTARY PROVISIONS BILL.

PROPOSED NEW CLAUSES AND AMENDMENTS.

[N.B.—The New Matter and Proposed Modifications are in Italics.]

PART IV.—SUPPLEMENTAL.

PROVISIONS RELATING TO THE BOARD OF SUPERVISION.

21 (a).—(1) *The Board of Supervision shall henceforward include, in addition to the persons named in the Act passed in the sessions of the Eighth and Ninth years of the reign of Her Present Majesty, Chapter eighty-three, intituled an "Act for the amendment and better administration of the Laws relating to the Relief of the Poor in Scotland," one or more Medical Commissioners, to be appointed by Her Majesty and to hold office during Her Majesty's pleasure, such Medical Commissioner or Medical Commissioners to be of not less than ten years' standing in the Medical Profession, and possess in each case the qualifications required, for the time being, to be possessed by a medical officer appointed under the provisions of this Act.*

(2) *The Board of Supervision shall have power to appoint in writing such medical inspectors and other officers as the Board may from time to time, with the sanction of the Treasury, deem to be necessary.*

(3) *There shall be paid to such Commissioner or Commissioners, and to such inspectors and officers out of moneys provided by Parliament, such salaries or remuneration as the Treasury may from time to time determine.*

REASONS FOR PROPOSED NEW CLAUSE—21 (a).

(1.) The constitution of the Scotch Board of Supervision has, on a variety of different grounds, given rise to oft-repeated expressions of dissatisfaction, notwithstanding the fact that good work in various directions has been accomplished by it. The Board was established in 1845 by the "Act for the Amendment and Better Administration of the Laws relating to the Relief of the Poor in Scotland," and consists of the Lord Provost of Edinburgh, the Lord Provost of Glasgow, the Solicitor-General of Scotland, the Sheriffs depute of the counties of Perth, Renfrew, and Ross and Cromarty, together with three other persons to be appointed by Her Majesty by warrant under the sign manual. But although this provision would seem to admit of the appointment of a medical man to the Board, no such appointment has been made.

This Board was by the same Act empowered to appoint "all such.....officers as they shall deem necessary," and under this provision two "superintendents of the poor," and two "visiting and inspecting officers," have been appointed. But not one of these officers is a medical man, and thus it will be seen that, although innumerable medical questions arise in the administration of the Poor Laws, there is no medical man on the Board, nor is there any medical man among its poor-law officials.

In 1867 the Public Health (Scotland) Act was passed, and under it the Board of Supervision became the central controlling authority for the administration of the sanitary laws throughout the country. There was, however, no modification made in the constitution of the Board. It was to remain just as it had been formed, in 1845, for supervision and relief of the poor, although the new responsibilities which were placed on its shoulders involved the application of a number of principles which were then only beginning to be rightly appreciated and could only be properly interpreted by an experienced student of preventive medicine. It would almost seem as if pains had been taken, however inexplicable it may appear, to exclude medical influence from the Board's councils; for, on looking into the Act, we find that even in the presence of a formidable epidemic threatening the country, when it might have been expected that the assistance of medical training and experience would have been specially useful, it is provided (Section 32) that "the Sheriff of any County in Scotland, other than Renfrew, Perth, or Ross and Cromarty, may be appointed an additional member of the Board."

The intention of the first sub-section of the proposed new clause is to secure the presence on the Board of one or more competent and experienced medical members who could speak with authority and exert proper influence on all matters affecting the public health.

It may be here noted that these considerations were not overlooked by Parliament when the Irish Local Government Board was established; for it is expressly provided (14 & 15 Vict., ch. 68, s. sec. 1, 2, etc.; and 35 & 36 Vict., ch. 69, sec. 3) that the Queen may from time to time appoint two members of the Board, but that one of the persons so appointed "SHALL BE A PHYSICIAN OR SURGEON OF NOT LESS THAN TEN YEARS' STANDING, AND SHALL HAVE THE TITLE OF MEDICAL COMMISSIONER."

(2.) As regards the medical advice for sanitary purposes at the disposal of the Board of Supervision, it must be admitted that the Board have power under Section 14 of the Act of 1867 "to appoint all such officers.....as they shall deem necessary." But as regards medical officials, they have not exercised this power to any great extent. They have, it is true, secured part of the services of Dr. H. D. Littlejohn, the able health officer of Edinburgh, and under his influence much good work has been accomplished. But Dr. Littlejohn is the only medical official (besides the Superintendent of Vaccine) connected with the Board.

The procedure adopted by the Board in respect of their sanitary functions, was thus described by Mr. (now Sir W. S.) Walker, the Chairman of the Board, in his evidence before the Royal Sanitary Commission, in May, 1870, and the description holds good at the present time:—

"The Board appointed no additional inspectors or visiting officers. We had three such officers under the Poor Law, and we thought it sufficient in the meantime to give them separate instructions with regard to the Public Health Act, because in the course of their duty they were continually travelling about in their districts and visiting villages and towns, and they would almost necessarily see, or could very easily inquire into, what was being done and what was required to be done, and we directed them to report to us..... When these reports come to the Board we proceed to transmit a copy of them to the local authority for their observations....." (Q. 12 089.)

This is still the method of procedure, and, apart from the consideration that the reports are made by more or less unskilled observers, the system is obviously defective and insufficient. If it is to be inferred that sanitary administration is subordinated to that of the Poor Laws, some alteration is obviously needed.

It is desired by the proposed clause to secure the nucleus of a strong useful medical department under the central Board, and this endeavour is supported by the knowledge of the value of the small but able staff attached to the English Local Government Board, and of the great services that have been rendered by that staff, not only to individual localities throughout the country, but also in the promotion of sanitary science and preventive medicine.

PROVISIONS AS TO POWERS OF COUNCIL.

22.—(1) The council of every county shall, except where otherwise allowed by the Board of Supervision, from time to time appoint and pay a medical officer or medical officers and a sanitary inspector or sanitary inspectors, who shall not hold any other appointment or engage in private practice or employment without express written consent of the council.

Provided that the Board of Supervision may, for reasons brought to their knowledge, allow any County Council to make and carry into effect arrangements with any other County Council for the employment, jointly, of the services of one and the same medical officer, on such terms as to the contribution to the salary of the officer, or otherwise, as may be agreed.

(2) The County Council, or County Councils, as the case may be, and any District Committee, as the local authority under the Public Health Acts, may from time to time make and carry into effect arrangements for rendering the services of such officer or officers regularly available in the district of the District Committee, on such terms as to the contribution by the District Committee to the salary of any medical officer or sanitary inspector, or otherwise, as may be agreed, and the medical officer or sanitary inspector shall have within such district all the powers and duties of a medical officer or sanitary inspector appointed by a District Committee.

(3) *Such an arrangement, when once made and carried into effect, shall not be altered, except with the consent of the Board of Supervision, given after full investigation of all the circumstances of the case; and so long as such an arrangement is in force, the obligation of the District Committee under the Public Health Acts (as amended by this Act), to appoint a medical officer or sanitary inspector shall be deemed to be satisfied without the appointment of a separate medical officer or sanitary inspector.*

(4) *The provisions of the Public Health Acts relating to the appointment of officers are hereby varied so as to provide that henceforward it shall be the duty of every district Public Health Committee from time to time to appoint and pay a medical officer and a sanitary inspector. The powers, duties, and rights of the medical officer, and of the sanitary inspector, shall be those prescribed for such officers respectively by the Public Health Acts, and by any regulations made in that behalf, from time to time, by the Board of Supervision.*

(5) *Every medical officer and every sanitary inspector appointed under this Act, or under the Public Health Acts, shall be removable from office only by the Board of Supervision.*

REASONS FOR AMENDMENTS PROPOSED. CLAUSE 22.

(1) The clause as originally drafted would leave the appointment by a county authority of a medical officer or a sanitary inspector an entirely optional and permissive question. But having regard to the great importance from a public health point of view of every county authority having proper skilled advice in their supervision of the local administration of the sanitary laws, and having in view the hesitation that is at present apparent in England on the part of many of the new County Councils to avail themselves of the similar permissive powers to appoint county medical officers of health, it is obviously a preferable plan to render compulsory the appointment of a medical officer and sanitary inspector by every County Council, it being left to the discretion of the Board of Supervision as Central Authority to make exceptions where special circumstances show such exceptions to be reasonable, and not disadvantageous from a public health point of view.

The chief exceptions which it is contemplated should be made by the Board are those where two adjacent small counties desire to combine in the appointment of one and the same medical officer, and where a single officer, devoting all his time to the work, could satisfactorily undertake the duties of both counties.

With the view of facilitating such joint action, the proposed PROVISIO has been suggested.

The chief objection to the proposal to make the appointment of a medical officer of health compulsory on every Council will no doubt be based on the additional expense that would be involved; but this additional expense is more apparent than real. If the adoption of the proposal did in some cases involve an initial additional expenditure, it should be remembered that judicious combination of adjoining districts for the appointment of sanitary officers would be encouraged, and as vacancies occurred among existing officers such combinations would be extended. Eventually the initial slight additional expense would disappear, and in some cases an actual saving would probably ensue. Moreover, it must be remembered that at present there is a large number of districts in Scotland without a medical officer of health, as the appointment of such officers by local authorities under the Act of 1867 was not, as in England, compulsory. Such districts undoubtedly need medical supervision, and this could at once, without difficulty or great expense, be supplied by a county officer.

There is also the further contention that sanitary authority is more likely to listen to the advice of an officer appointed by themselves than to that of an officer appointed by a superior authority. But this objection falls to the ground when it is remembered that the medical officer of health is altogether an ADVISING officer and that the responsibility for adopting or rejecting his advice rests directly with the local authority, and indirectly with the County Council.

(2.) The addition of the words "OR COUNTY COUNCILS AS THE CASE MAY BE," is rendered necessary by the preceding PROVISIO to sub-section 1.

Now (June, 1889) there are four such officers, but not one of them is a medical man.

(3.) The proposed addition to this sub-section (3) is suggested with the view of preventing the breaking up of satisfactory combinations, in consequence of unjustifiable opposition on the part of an ignorant or capricious constituent authority. If a conscientious medical officer calls attention to sanitary defects in the district of such an authority, and recommends action which would involve expenditure, he is very liable to arouse the hostility of the authority, who might in their anger endeavour to secede from the combination, and appoint for themselves a more pliable adviser. The need for some such safeguard as that proposed has been proved to demonstration in English experience.

(4.) It is very desirable that every district Public Health Committee should have proper skilled advice on sanitary matters. Hitherto, the appointment of medical officer and sanitary inspector has been optional, although the Board of Supervision have the power of requiring such appointments to be made if they think fit; and, as a result, in a large number of districts no medical officer has been appointed. It is now thought that the appointments should be made compulsory on the local authorities, and there is the less appearance of hardship now in this proposal, as, for a comparatively trifling contribution, such authorities will be able in future to avail themselves of the services of the county officers.

The second part of this new sub-section (4) is a modification of Clause 17 (3) of the other Bill [Local Government (Scotland) Bill], and is rendered necessary by the proposed amendment of that clause (*q.v.*).

(5.) Under Section 8 of the Public Health (Scotland) Act, 1867, it is provided that the sanitary inspectors "shall be removable from office only by the Board" of Supervision, "except in the case where the local authority is the Town Council or Police Commissioners or Trustees in any burgh in Scotland having a local Act for Police purposes, or having a population of ten thousand or upwards according to the census last taken, in which case the inspectors shall be removable from office by the local authority."

But by a strange anomaly, no such protection is afforded to medical officers appointed under that Act. In his evidence before the Royal Sanitary Commission on March 21st, 1870, Mr. E. S. Gordon, Q.C., who as Lord Advocate had framed and was mainly responsible for the Bill of 1867, stated that—

"The sanitary inspector is not removable without the consent of the Board of Supervision. I rather wished also that the medical officer should be in the same position, but I found that there was a strong disinclination to the power of dismissal being vested in the Board of Supervision alone; and, not being in Parliament at the time, I was obliged to come to a compromise." (Q. 11,092.)

That compromise is not satisfactory or just to the medical officers,

On the same occasion, Mr. (now Sir W. S.) Walker, the Chairman of the Board of Supervision, threw further light on this matter in his evidence, when he admitted that the medical officer is much more dependent upon the Local Board than the inspector is, and added—

"I may observe that in Scotland the Board of Supervision have not the same power with reference to medical officers that the Poor-Law Board have in England. The tenure of office of a poor-law medical officer in Scotland is not permanent, and the Scotch members or their constituents did not wish to place the medical officers under the Public Health Act in a different position from that of medical officers under the Poor-Law Act." (Q. 12,103.)

It requires no elaborate arguments to show that it is of the utmost importance from every point of view to obtain reasonable security of tenure, during good behaviour, for the medical officer as well as the sanitary inspector, and for the officers of the new County Councils as much as for those of the old local authorities. Without such security of tenure, perfect independence in the advice given by the medical officer cannot be ensured, and great hardship may fall on the head of an officer who, fearlessly doing his duty, points out the sanitary defects of his district. The need for such security has long been seen in English experience, and recently Bradford, Ruthin, and many other places have afforded striking evidence of this statement. Hence the proposal to add the new sub-section (5) to Clause 22 of the present Bill.

23.—(1) Every medical officer and sanitary inspector under the Public Health Acts for a district in any county shall send to the County Council a copy of every [periodical] report, of which a copy is for the time being required by the regulations of the Board of Supervision (which they are hereby authorised to make) to be sent to that Board, [and if a medical officer or sanitary inspector fails to send such copy the County Council may refuse to pay any contribution, which otherwise the Council would in pursuance of this Act pay, towards the salary of such medical officer or sanitary inspector.]

(2) If it appears to the County Council from any such report, or from any other information or representation, that the Public Health Acts have not been properly put in force within the district to which the report relates, or that any other matter affecting the public health of the district requires to be remedied, the Council may cause a representation to be made to the Board of Supervision on the matter.

REASONS FOR AMENDMENTS PROPOSED TO CLAUSE 23.

(1.) The County Council should have a copy of EVERY report of importance made by the local health officers, and not merely those that have to be PERIODICALLY made. It frequently happens that the "special" occasional reports on particular outbreaks of disease or on pressing local matters, are of the greatest importance. If the County Council are to exercise any effectual supervision over sanitary proceedings in their county, they should have copies of those reports in their hands at the times they are made, and should not have to wait for their incorporation in some "periodical" (probably annual, or at most, quarterly) report.

The Clause as at present drafted, has been copied from the English Act of last session, but the defect referred to has already been discovered in the working of that Act. The word [PERIODICAL] should therefore be omitted.

The second part of this sub-section (1), which has been copied from the English Act of last session ("AND IF A MEDICAL OFFICER OR SANITARY INSPECTOR FAILS TO SEND SUCH COPY, THE COUNTY COUNCIL MAY REFUSE TO PAY ANY CONTRIBUTION WHICH OTHERWISE THE COUNCIL WOULD, IN PURSUANCE OF THIS ACT, PAY TOWARDS THE SALARY OF SUCH MEDICAL OFFICER OR SANITARY INSPECTOR"), seems to be inapplicable to Scotland, as in that country there has been no repayment from the Parliamentary Grant of a moiety of the salaries of sanitary officers under the Public Health Acts. It should therefore be omitted.

Moreover, in any case, the stoppage of a moiety of some of the paltry salaries paid to the average health officers in Scotland would be but a very trifling punishment.

(2.) The insertion of the words "OR FROM ANY OTHER INFORMATION OR REPRESENTATION" after the words "FROM ANY SUCH REPORT," is desirable in order to enable the County Council to take action (if so disposed) on complaints or on information other than that afforded by the report of the local health officer.

24.—(1.) Except where the Board of Supervision, for reasons brought to their notice, may see fit in particular cases specially to allow, no person shall hereafter be appointed the medical officer of any county or district, unless he be legally qualified for the practice of medicine, surgery, and midwifery.

(2.) No person shall after the first day of January, one thousand eight hundred and ninety-three, be appointed the medical officer under the Public Health Acts for a county, or district, or a parish which contained, according to the last published census for the time being, a population of fifty thousand or upwards, unless he is qualified as above mentioned, and also either is registered on the *Medical Register* as the holder of a diploma in sanitary science, public health, or State medicine under Section 21 of the Medical Act, 1886, or has been during the three consecutive years preceding the year one thousand eight hundred and ninety-three a medical officer under the Public Health Acts as defined by this Act, or under the Public Health Act, 1875, or under the Public Health (Ireland) Act, 1878, for the district of a local authority under the said Acts containing a population according to the last published census of not less than twenty thousand.

(3.) No person shall, except with the express consent of the Board of Supervision, be appointed as the sanitary inspector for a county unless he possess a certificate or diploma in sanitary science from a body competent to give such certificates or diplomas, or has been during the three consecutive years preceding his appointment the sanitary inspector of a local authority under the Public Health Acts, as defined by this Act, or under the Public Health Act, 1875, or under the Public Health (Ireland) Act, 1878, the district of which contained a population, according to the last published census, of not less than twenty thousand.

REASONS FOR PROPOSED AMENDMENTS TO CLAUSE 24.

(2.) The words proposed to be added seem to be necessary to ensure that the important post of medical officer of health shall be open to competition from all parts of Great Britain and Ireland.

(3.) The first amendment to this sub-section (3) is designed to secure that preference shall be given to holders of special sanitary certificates or diplomas.

The second amendment is necessary in order to secure that the post of sanitary inspector shall be open for competition to candidates from all parts of the United Kingdom.

50.—(1.) The clerk of supply in office, at and after the passing of this Act, shall discharge all the duties of county clerk until the appointed day, and upon such day the clerk of supply in office shall become the clerk of the County Council (in this Act referred to as the county clerk or clerk of the County Council), and shall continue in office for twelve months after the first meeting of the Council, unless he shall sooner vacate office by death, resignation, or disqualification. At the expiration of such period he shall continue in office during the pleasure of the County Council.

(2.) In addition to any other rights and duties conferred or imposed on him by the Council, the county clerk shall have and discharge the rights and duties now belonging to or devolving on the clerk of supply, and all things authorised or required to be done by or to the clerk of supply may be done by or to the county clerk.

(3.) Subject to the provisions of sub-section (1) of this section, the County Council may from time to time appoint a county clerk, treasurer, collector, assessors, surveyors, and such other inspectors, officers, and servants as may be necessary and proper for the efficient execution of the duties of the County Council, and may make regulations with respect to the duties and conduct of such county clerk, treasurer, collector, assessors, surveyors, inspectors, officers, and servants. If it is deemed expedient one person may be appointed to fill two or more offices, and two or more persons may be appointed jointly to fill one office.

(4.) It shall not be lawful to appoint a county councillor or the partner in business of a county councillor to any office or place of profit under the County Council; and the disqualification shall apply to any person and his partners in business during six months next after such person has ceased to be a county councillor.

(5.) The Council shall pay to the county clerk, treasurer, collector, assessors, surveyors, inspectors, officers, and servants appointed or employed by them such reasonable salaries, wages, or allowances, and may award to them such pensions, not exceeding those which may be awarded to civil servants of Her Majesty under the like circumstances, as they think proper, and every such county clerk, treasurer, collector, assessor, surveyor, inspector, officer, and servant shall hold office during the pleasure of the Council [*subject, as regards medical officers and sanitary inspectors, to the provisions of section 22 (5) of this Act.*]

(6.) The Council may at any time (*subject, as regards medical officers and sanitary inspectors, to the provisions of section 22 (5) of this Act*), discontinue the appointment of any [*inspector,*] officer, or servant appearing to them not necessary to be reappointed; and may from time to time make such arrangements as they think necessary as to the offices required to be created or abolished.

REASONS FOR PROPOSED AMENDMENT TO CLAUSE 50, SUB-SECTION 6.

The proposed saving clause in sub-section (5) and (6) appears to be necessary in view of the proposed new sub-section 5 of Clause 22 (*q v.*). Otherwise there would be a serious inconsistency between the various provisions in the Act relative to the tenure of office of the sanitary officers.

Under these circumstances the word "inspector" had also better be omitted. The word "officer" would seem to include "inspector," and possible confusion may be avoided by omitting the latter word altogether.

LOCAL GOVERNMENT (SCOTLAND) BILL.

17. With respect to the transference to the County Council of the powers and duties of parochial boards as local authorities under the Public Health Acts, the following provisions shall have effect:—

- (1.) For the purposes of the administration of the laws relating to public health, the county shall be divided into districts in the manner provided in the Acts of 1889, and there shall be a district public health committee for each such district constituted as provided in the said Acts.
- (2.) A district public health committee shall, subject to the provisions of the said Acts, be the local authority under the Public Health Acts, and as such shall have and may exercise within its district all the powers and duties by the Acts of 1889 transferred to or conferred on the County Council with respect to the administration of the laws relating to public health, except those relating to medical officers or sanitary inspectors for the county, and subject to the provisions following:—
 - (a.) A district public health committee shall have no power of raising money by rate or loan.
 - (b.) The County Council may make general regulations for the government of a district public health committee, and such committee shall conform to those regulations.
 - (c.) *If not less than one-tenth of the ratepayers in a district appeal to the County Council from a determination or order of the district public health committee, the County Council shall take such appeal into condition, and shall have power to confirm or vary or rescind such determination or order; and such determination or order shall be stayed pending the appeal.*
 - (2c.) It is felt that "five" is too small a number of ratepayers to be entrusted with the right of appeal against, and consequent power of delaying the execution of an order of the local sanitary authority. If the proposal in the Bill were enacted every sanitary improvement would almost certainly lead to an appeal and delay. The appellants should be at least some percentage of the interested ratepayers, and in the clause suggested for substitution for Clause 17 (2c) ten per cent., or one-tenth, is proposed.

(3.) *Except as regards medical officers and sanitary inspectors* the power of appointing officers under the Public Health Acts is hereby varied, so that it shall be lawful to appoint such officers either for the whole district or any part thereof or parish therein as shall be deemed expedient. The officers so appointed shall have, as nearly as may be, within the areas respectively assigned to them the same powers, duties, rights, and tenure (if any) as the officers, as the case may be, of the existing local authority, have within the area of the parish. The district public health committee shall have power to appoint and remove a district committee clerk, who shall, whenever possible, be the same person appointed by the district committee of the same district for any other purpose under the Acts of 1839.

REASONS FOR PROPOSED AMENDMENT OF CLAUSE 17 (3).

(3.) This subsection as drafted would apparently continue a faulty arrangement as to the tenure of office of medical officers, which it is proposed to deal with fully in the "Supplementary Provisions" Bill (*q.v.*). These officers should therefore be expected from the operation of the Clause 17 (3).

LUNACY ACTS AMENDMENT BILL.

This Bill was fully discussed before the Subcommittee in the spring, and a number of resolutions were printed in the JOURNAL of April 6th, page 799. The Lord Chancellor had modified the clauses respecting medical restraint, in accordance with the recommendations of the Parliamentary Bills Committee; that was to say, he had so modified them that a patient could be restrained for any medical or surgical reason, which was, he thought, pretty nearly as far as it was desirable they should go, and covered most of the ground asked for.

The following are the more important additional suggested amendments, with reasons for the same, on which it was decided that instance should be more strongly made while the Bill was before the Law Committee (the Bill as ordered to be printed, February 25th):—

Sect. 29, Subsect. 4, p. 18, line 30, to omit "a special report," and the words following to include the word "with" in line 33, and to make the necessary alterations in this and subsequent subsections to harmonise with this alteration.

The medical certificate of unsoundness, to be sent periodically, is thought to be sufficient, and the "special reports" will impose a large amount of extra routine work on the medical superintendent, to the detriment of more important duties.

Sect. 3, Subsect. 7, p. 2, and Sect. 33, Subsect. 1, p. 20. It is suggested that these be omitted, as singling out for restrictive legislation medical men from among those who now receive "single patients."

Sect. 37, p. 22. It is suggested that this section be omitted. If this section be not omitted it is suggested that the person making application for discharge of a patient under this section should give adequate security for the payment of all necessary expenses, and that persons be disqualified to sign any medical certificate under this section who hold to the applicant under this section the same relations as the persons disqualified to sign under Section 14 hold to the "petitioner" for an order for reception of an alleged lunatic into an asylum, etc.

It is to be anticipated that, under this section vexatious, wholly unnecessary proceedings would sometimes be instituted, and that it is likely to lead to the discharge of persons who are in an unfit state for discharge.

Sects. 43 and 44. It is suggested that these sections be omitted, or, failing this, that Sect. 44 be omitted, and the part of Sect. 43 following the word "be" in 22, p. 26.

The correspondence of patients in private asylums is thought to be already duly protected, inasmuch as all letters to certain authorities must be forwarded unopened, and any letter written by a private patient and not forwarded to the person to whom it is addressed must be endorsed to that effect, and be laid before the Visiting Commissioners or the Committee of Visitors, as the case may be, at their next visit.

Sects. 54 to 60, p. 33, *et seq.* It is suggested that the provisions of the Bill be so altered as not to subject the registered lunatic hospitals to special restrictions and disabilities.

Sect. 65, p. 36, line 38. It is suggested to omit the words "wholly or in part belonging to the same local authority," so that the services of medical officers in any two or more county or borough asylums should count accumulatively towards pension as if all such service has been in one asylum, each such local authority to contribute its appropriate share.

It is also suggested that officers and servants in county and borough asylums should be entitled to claim pensions as a right after a certain length of service with good conduct; and that the medical officers should be placed, as regards this matter, on a footing analogous to that of members of the Civil Service.

Copies of these resolutions have been forwarded to the Home Secretary, and placed in the hands of members of Parliament, with a view of securing their adoption in the Bill now before the Law Committee.

[It will be seen that many matters herein referred to are still in course of action, and further details as to the working of the Committee will be available before the annual meeting. The Committee, however, propose that, in making their final report, the necessary additions and alterations should be made to explain the course of events subsequent to the present interim Report.]

ERNEST HART, *Chairman.*

The Chairman will make a verbal report of the proceedings subsequent to the above dates.

MOTION—

“That the Report of the Parliamentary Bills Committee be received and adopted.”

REPORT OF INEBRIATES LEGISLATION COMMITTEE.

YOUR Committee have pleasure in reporting various indications of increased interest, alike on the part of the Legislature and the people, in the scientific treatment of the diseased inebriate.

The enactment of permanent legislation, which was mainly the work of the Association, aided by the Society for the Study of Inebriety, has contributed sensibly to the beneficial working of the Inebriates Acts.

It has been found that the change of title from “Habitual Drunkards” to “Inebriates” Act has smoothed the way to some individuals to avail themselves of the compulsory detention provisions of this instalment of sound legislative treatment, and that the new title is more accurate, as there are not a few inebriates whose indulgence is not habitual, but periodical or occasional.

The removal of the restriction of the justices attesting the applicant’s request for admission and detention to one county has also rendered entrance on curative treatment less forbidding.

The limited power of appointment of a deputy to the licensee or medical superintendent has also been of service in sustaining and improving discipline.

Your Committee have been cheered in their efforts to arouse the Legislature to a due sense of the need for more thorough-going legislation by the drafting of a proposed Scottish Bill (of which an analysis is appended) by a former Crown Agent for Scotland, Mr. Charles Morton, W.S. The remarkable importance of this Bill lies in the fact that, with all its drastic provisions, it has originated from a legal source, and that its principles have been approved by many of the most distinguished members of that profession in Scotland. An abstract of the Bill is appended to this report.

While your Committee do not feel warranted in approving of all the provisions in this draft Bill, many of which are peculiar to Scotland, your Committee desire to record their high sense of the importance of such an influential legal demand for so thorough-going a measure. Your Committee have, however, heartily and formally approved of the leading features of the proposed Bill (1) The compulsory reception and detention of inebriates in properly conducted homes for the curative treatment of their diseased condition, (2) the payment of a portion of the necessary expenditure at the public charge, and (3) voluntary admission to a home without appearance before justices.

Your Committee also propose to issue a third circular to boards of guardians to ascertain their opinion as to the powers of detention, for purposes of cure, of destitute habitual drunkards, and as to payment in certain cases for their residence in properly conducted and authorised homes.

The Committee recommend their re-election as follows:—The President and President-Elect, *ex-officio*; Dr. T. Bridgwater, President of Council; Dr. Norman Kerr, Chairman; Mr. D. B. Balding, J.P.; Mr. H. Branthwaite; Dr. C. Cameron, M.P.; Dr. Alfred Carpenter, J.P.; Dr. G. B. Clark, M.P.; Dr. C. R. Drysdale; Mr. George Eastes; Dr. J. W. Eastwood, J.P.; Dr. R. Farquharson, M.P.; Sir Walter Foster, M.P.; Mr. W. C. Garman; Dr. J. Hill Gibson; Dr. A. Grant; Mr. F. J. Gray; Dr. C. J. Hare; Mr. R. H. B. Nicholson; Surgeon-Major G. K. Poole, M.D.; Mr. J. Pranker; Surgeon-Major Pringle, M.D.; Fleet-Surgeon G. Robertson, M.D.; Dr. G. Danford Thomas, Coroner; Dr. H. W. Williams; Dr. Wynn Westcott; Dr. E. Hart Vinen; and Mr. H. R. Ker.

NORMAN KERR, M.D., *Chairman*.

ABSTRACT OF SCOTCH BILL.

The care and treatment of persons who, although not exhibiting such symptoms as would warrant a medical practitioner to grant a certificate for their confinement in a lunatic asylum, are yet labouring under a special form of mental disorder, the chief distinguishing features of which are,—excessive and secret indulgence in intoxicants, the craving for which is more or less persistent or occurring in fits, with remissions at intervals of time and a marked change in the mental powers and moral character.

CLAUSE I. Provides for repeal of existing Inebriates Acts, so far as relates to Scotland.

II. The Restorative Homes (Scotland) Act.

III. "District Homes," premises, other than a lunatic asylum, licensed under this Act, under the management of District Boards of Lunacy.

"Private Homes," licensed as above, but in the occupancy of private persons.

"Superintendent," manager or principal officer of a District Home, and the licensed owner or owners of a licensed Private Home, and any manager or other principal officer appointed by him for the management thereof.

"Sheriff," the sheriff and sheriff-substitute of county of patient's residence, and also sheriff of county where Home is situated.

IV. and V. The Board of Commissioners in Lunacy to inquire of each District Board whether separate District Homes, or one General District Home, or one or more Private Homes, should be established, and to report to the Secretary of State for Scotland, who can order the Board to carry out their decision. The report and the Scottish Secretary's order to be laid before both Houses of Parliament. If no objection in Parliament during 40 days, the Scottish Secretary's order to take effect. Estimates for sites, equipment, &c., of Homes to be subject to approval by General Board, the work being executed under the management of the District Board.

VI. The necessary charges for the establishment and carrying on of approved Homes to be borne on the landward part of counties and upon the burghs (if for one General District Home) of all Scotland, (if for a separate District Home) of the district, according to the real rent of the lands and heritages. The proposed assessments to be raised under the same Acts as the assessment for Lunacy establishments.

VII. Board empowered to grant a licence for general or separate District Home.

VIII. When patient is from another district, District Board to have power to charge proportion of cost to district of patient's prior residence.

IX. and X. District Homes to be vested in the District Board, which Board can acquire lands and borrow on security of the assessment.

XI. Private Homes may be licensed by District Board on payment of a fee of £2 to the Board.

XII. Board to frame rules and regulations for District and Private Homes, for medical attendance, &c., also for scales of payment for patients not entering voluntarily, subject to approval by the Scottish Secretary of State.

XIII. and XIV. Secretary to appoint an Inspector with salary. Each Home to be inspected at least twice a year.

XV. Register of Patients, along with such other books as Board may direct, to be kept. A copy of Register to be transmitted in each December to the Board.

XVI. Provides for admission (and detention for a limited time) to a Home on voluntary application. The superintendent, within two days of admission, to report to the Board. The superintendent of a Private Home may make special arrangements for board and fees. If no such agreement, the scheduled charges to be exigible.

XVII. If patient refuses to apply voluntarily, any member of his family, or any other near relative, or a friend taking interest in him, or a magistrate in the public interest, may present an application to the Sheriff to grant an order for reception and detention in a District or Private Home. The application to be accompanied by a Statutory Declaration by the Applicant, and, if the patient have such friends, by a Statutory Declaration by two private friends, who shall have personally seen him within seven days, and also a certificate on soul and conscience by a registered medical practitioner, who shall have seen patient within seven days. If the patient have no private friends, there must be two medical certificates. The application may be for reception into a Home and for detention for a period not exceeding twelve months. On receiving the order from the Sheriff, the applicant, with the assistance (if necessary) of any of the attendants of the Home, or of officers of the law, can remove the patient to the Home. The Board to fix the scale of payment when there is no private arrangement.

XVIII. Any patient can at any time apply to the Board by letter, or to the Sheriff by petition. The Board and the Sheriff have both power to grant or refuse a discharge, subject to review by the Superior Courts. The patient can also apply to the Secretary for Scotland.

XIX. Patient, unless discharged by the Board, the Sheriff, a Superior Court, or the Secretary, shall be detained for twelve months. The Board may postpone discharge for an additional three months on application either from original applicant or from any relative, with the consent of the persons who made the relative declarations. The Board may also dismiss any patient for insubordination, misconduct, disobedience to regulations, disturbance or annoyance to the officers or inmates of the Home.

XX. Patient and his estate liable for patient's board and treatment in District and Private Homes, and for all contingent expenses, as decreed for by the Sheriff on a summary petition by applicant, superintendent, or guarantor.

XXI. The Board can transfer a patient from one home to another.

XXII. The Board may grant occasional leave of absence, subject to withdrawal. In the event of escape, any Justice or Magistrate with jurisdiction in place where patient is found, or in the district from which he escaped, can, on summary application by the Superintendent, issue a warrant for the apprehension of the patient; and, after apprehension, the patient shall be taken back to the Home.

XXIII. Any person aiding a patient to escape, or supplying anyone known to such person being an inmate of a licensed "Home," with wine, beer, spirits, or other alcoholic stimulant (unless by order of the Medical Attendant), shall be liable to a penalty of £10, on application of the Superintendent to the Sheriff or a Justice of the Peace.

XXIV. A penalty not exceeding £20 for any officer or attendant failing to comply with the provisions of the Act, or supplying stimulants or narcotics (except by order of the Medical Attendant) to any patient.

The Board may revoke a licence to a Private Home if the licensee prove to be unqualified or negligent.

XXV. The Summary Procedure (Scotland) Act to be Incorporated with this Act.

XXVI. Power to Members of the Board and Inspectors to visit all District and Private Homes, and to employ medical advice and assistance. Such expenses to be charged to the Board.

XXVII. The Sheriff and any of the Visiting Justices can visit and inspect Homes.

XXVIII. Any minister of the parish, and the patient's own minister also any relative, can visit under such conditions as Superintendent and Medical Attendant, with sanction of the Board, lay down.

XXIX. to XXXI. No action to lie against any medical or other person for applications, certificates, or declarations, unless on specific averment of falsehood or malice, or of reckless and careless granting without inquiry, and of being untrue and unwarrantable. No action can be laid after the expiry of six months after the patient's discharge. No action to lie against the Commissioners, or against a Superintendent of a District or Private Home, or occupant or owner of a Private Home, or against any Attendant acting under orders of the Sheriff or the Board. No document to be invalid for defect in form.

MOTION—

“That the Report of the Inebriates Legislation Committee be received and adopted.”

REPORT OF THE SCIENTIFIC GRANTS COMMITTEE.

THE Scientific Grants Committee have to report that during the past year 1888-89 the sum of £419 has been granted in aid of scientific research, of which the following are particulars :

	£	s.	d.
Ashtown, Dr. H. H., 49, Upper Bedford Place, Russell Square, W.C., a Research upon Absorption from the Bladder	15	0	0
Ballance, Dr. C. A., 56, Harley Street, W. (renewed grant, to Inoculate Antiseptically a large Variety of Animals with Cancer, and to keep them subsequently under observation for a period of not less than two years. In addition, it is proposed to continue and extend cultivation experiments ...	15	0	0
Cash, Dr. J. T., 25, Dee Street, Aberdeen, Investigations with Regard to the Action of some Nitrites which differ from those already examined	10	0	0
Copeman, Dr. S. M., Physiological Laboratory, St. Thomas's Hospital, S.E., a Research to find a Method of Definitely Determining whether a Blood Stain consists of Human Blood or that of one of the Lower Animals	10	0	0
Haldane, Dr. J. S., Cloandean, Auchterarder, to defray expenses in obtaining assistance in the carrying out of the Chemical Analyses connected with the Calorimetric Work	34	0	0
Halliburton, Dr. W. D., 25, Maitland Park Villas, Haverstock Hill, N.W., an Investigation into the Chemical and Physiological Fluids of the Body (Blood, Milk, Exudations, etc.)	30	0	0
Hayercraft, Dr. J. B., F.R.S., 20, Ann Street, Edinburgh, in aid of two Researches, the Chemo-Physical Character of Certain Proteids, and another which deals with the question of Capillary Hæmorrhage	25	0	0
Horsley, Professor V., the Brown Institution, Wandsworth Road, S.W., and Dr. Charles Beever and Mr. Walter Spencer, for two researches: 1. Professor Horsley and Dr. Beever, on a Minute Analysis on the so-called Motor Cortex in the Monkey, and an Investigation into the Function of the Divisions of the Internal Capsule. 2. Professor Horsley and Mr. Spencer, on Cerebral Compression, the Symptoms it Produces, and Diagnosis of the Seat and nature of the Compression	50	0	0
Jessett, F. B., Esq., Upper Wimpole Street, W., in conjunction with Professor Victor Horsley, on some Experiments in Intestinal Surgery	12	0	0
Jones, H. Lewis, M.D., 6, West Street, Finsbury Circus, E.C., an Investigation into the Structure of the Liver of the Lower Vertebrates, with the object of finding out, if possible, the Significance of the Tubular Structure of the Mammalian Liver, and its Derivation from the Tubular Liver of the Lower Animals. The application is for a grant for the purchase or hire of a microtome and for material	10	0	0
Lockwood, Mr. C. B., 19, Upper Berkeley Street, W., Pathology of Syphilis	25	0	0
Luff, Dr. A. P., St. Mary's Hospital, Paddington, W., an Investigation to Determine the Connection (if any) of the Ptomaines or Animal Alkaloids with Infectious Fevers	38	0	0
Reid, E. W., Esq., M.B., the Physiological Laboratory, St. Mary's Hospital Medical School, Paddington, W., in aid of an investigation to Determine to what Extent the Vitality of the various Epithelia covering the Cavities of the Body influence the Absorption of Different Substances, and to Observe the Effects of various Drugs tending to Exalt or Depress the Irritability of Protoplasm upon the Power of Absorption of these Cavities, the Vascular Factor being excluded	20	0	0
Robertson, Dr. R., West Hill House, Ventnor, Isle of Wight, the Respiratory Incapacity in Pulmonary Consumption. 1. To determine its extent in Relation to Obvious Physical Changes and Symptoms. 2. To Estimate as far as possible the Relative Extent and Influence of Changes in Pulmonary Tissue in the Blood, and in Muscular Vigour, and the Influence of such other Factors as Inquiry may discover or show to be important	15	0	0
Spencer, W. G., Esq., M.B., 94, Wimpole Street, W., in aid of Experiments to Observe whether the Treatment by Drugs affects the Course of Tuberculosis artificially set up, etc.	10	0	0
Tomkins, Dr. Henry, Leicester, Researches (largely bacteriological), Causes of Summer Diarrhœa, particularly its Fatality and Prevalence in Leicester	20	0	0
Tubby, A. H., F.R.C.S., mit Herrn Oberst. v. d. Heyde, Parkstrasse 131f, Halle, o/S., a. To Ascertain the Limits of Toleration of the Peritoneal Cavity to Irritants, Chemical and Putrefactive (Micro-organic). b. To Ascertain the Length of Time necessary, and the Nature and Amount of the Irritant needful, to induce Morbid Change, and the Nature of those Morbid Changes. c. To Ascertain the Time necessary for the Formation of such Union between the Parts of Resected Intestine as will suffice to Prevent the Passage of Foreign Material from the Gut into the Peritoneal Cavity under varying conditions into Intestinal Activity. d. To Discover, if possible, a more Practicable Method of Suturing Resected Intestines, and one involving less time in its Application than that now in vogue	30	0	0
White, Dr. W. Hale, 65, Harley Street, W., in aid of a Research upon the Influence of the Central Nervous System upon the Production of Pyrexia	50	0	0

£419 0 0

The following amounts have been returned as unused :—

	£	s.	d.
Dr. H. H. Ashdown	6	9	7
Dr. S. M. Copeman	2	19	3
Dr. J. S. Haldane	34	0	0
Dr. W. D. Halliburton	9	9	9
Dr. J. B. Haycraft	10	0	0
Dr. H. L. Jones	5	13	3
Dr. A. P. Luff	18	6	8
Dr. R. Robertson	15	0	0
Dr. G. H. Savage	29	1	1
Mr. A. H. Tubby	27	14	1
Dr. H. Tomkins	4	9	3
Dr. W. H. White	38	17	0
Total amount returned	£201	19	11

Herbert H. Ashdown, M.B., who has received a grant for the purpose of conducting a research in the physiological laboratory of University College, London, upon the functions of the kidney, has found by quantitative analyses of urine secreted after section of the renal nerves, that a true paralytic secretion is caused; and, further, that by the injection of different chemical substances into the blood an activity may be established in the organ, the nerves of which have been divided, entirely out of proportion to, and unrepresented by, that aroused in the unaffected organ. He has also shown that a reducing substance may make its appearance in the urine secreted by the kidney with divided nerves which cannot be found present in the secretion of the uninjured organ. This substance he has found to be a form of glycuronic acid, and that it is similar to the reducing substance which may be present in the urine after the administration of chloral, chloroform, morphine, and some other drugs. He has also been able to obtain this same reducing substance in quantity in the urine of otherwise apparently healthy individuals.

Messrs. C. A. Ballance and S. G. Shattock's investigations into the *intimate pathology of cancer* have been continued on the same lines as have been followed during the previous years in which a grant has been received by them from the Scientific Grants Committee of the British Medical Association. Many tumours have been examined microscopically, whilst others have been employed for culture experiments on various media, especially human serum. Further transplantation experiments have been carried out upon different kinds of animals, so as to discover, if possible, one in which the disease would grow, and might thus be studied. Up to the present time all the results have been negative, but the lifetime of cancer in the human subject is so long, that, until at least two years have elapsed, Messrs. Shattock and Ballance believe that no safe judgment could be hazarded about the transplantation experiments or the bacteriological cultivations.

The research with regard to the *action of some nitrites* in furtherance of which Professor Cash, of Aberdeen, received a grant in the autumn of 1888 is still in progress, but it is expected that it will be published in the course of this year. The nitrites of amyl, butyl, propyl, and ethyl, separated in a pure condition by Professor Dunstan, have been carefully examined, with regard to their physiological action upon man and the lower animals, and certain variations in their action ascertained, which will be fully described in the report, together with the methods employed in the investigation.

Dr. S. Monckton Copeman has been engaged in a *research on the medico-legal detection of human blood*. The research was undertaken with the object of determining whether it was possible to distinguish human blood from that of the lower animals when dried on clothes, etc., the method followed depending on the different manner in which the hæmoglobin of the blood crystallises in different animals. Human hæmoglobin is usually stated to be noncrystallisable, but it was formerly found that if a drop of blood taken from a patient suffering from pernicious anæmia, who had not

been treated with arsenic, was mounted on a glass slide, crystals of hæmoglobin always appeared in from ten to forty-eight hours without further preparation. Following out what appeared to be the condition here present, normal human blood was diluted with foreign (for example, sheep's) serum and mounted in the same manner. If the serum were fresh, usually no crystals formed; but if it had become decomposed, they appeared readily, when it was found they consisted of *reduced hæmoglobin*. This was also the case when they were obtained by other methods, whereas the blood of all other animals except the monkey appears to crystallise as *oxy-hæmoglobin*, while the blood of this animal can be distinguished from that of man by the different shape of the crystals. Further experiments showed that they could be obtained from very minute quantities of blood, and also from blood which had been allowed to dry on clothes: so that, if the stain be fairly recent and in not very minute quantities, it appears possible to prove the desired point. The report of the method will be published in detail in the JOURNAL.

Dr. J. S. Haldane has sent the following report on the progress of a research on *the physiology of temperature regulation in animals*, for the purpose of which research he received last year a grant of £34 from the British Medical Association. At the outset of the work last summer Dr. Haldane found that the methods hitherto employed for the measurement of respiratory exchange of material were insufficient for the purposes of the present research. A new method had therefore to be devised; and he devoted considerable time to perfecting and very thoroughly testing it. The method will, it is believed, be equally valuable in these researches, involving accurate measurement of the respiratory exchange. Dr. Haldane found it necessary to make a considerable number of further experiments with a view to perfecting the calorimetric method employed. In consequence of the results of these experiments, and in view of the desirability of having apparatus suitable for larger animals than those hitherto employed a new calorimeter had to be obtained. Considerable delay occurred before it could be made, and the progress of the work has been much hindered from this cause. Dr. Haldane hopes, however, shortly to have ready for publication a paper containing the results of a first series of observations on animals and a description of the methods employed, and the experiments which have been made with a view to testing them.

Dr. Halliburton has during the year been engaged in investigating the *chemical properties of certain exudation and transudation fluids*. A paper on *cerebro-spinal fluid* has been sent to the *Journal of Physiology*, of which an abstract will be sent to this JOURNAL. The chief substances in this fluid to which Dr. Halliburton has directed his attention are (1) the protoids, which are found to consist chiefly of the peptone-like bodies known as albumoses; (2) the reducing substance, which is found to be pyrocatechin, and not sugar; and (3) the salts, which do not apparently differ from those of the blood and lymph, in spite of Schmidt's statement to the contrary. The peculiarities of this fluid in regard to its organic constituents separate it markedly from ordinary dropsical fluids, and justify its being classified as a secretion. Dr. Halliburton has done a good deal of work with dropsical fluids, but defers publishing his results until he has examined a greater number of these transudations.

Dr. J. Berry Haycraft has made experiments in connection with *capillary hæmorrhage*, which have progressed satisfactorily, and have yielded important results. The experiments in connection with the *alkalinity of the blood*, continued from last year, will be ready for publication in a month or so. In connection with these Dr. Haycraft has performed already over a hundred estimations of blood alkalinity. Dr. Haycraft reports that the research upon the *chemico-physical character of certain proteids* has cost him little money, and returns with thanks the £10 kindly voted him. Dr. Haycraft is anxious, however, to work at another branch of the same subject, in which case he would require the help of a skilled assistant who understands some chemical manipulation, as his own time is much broken up.

Professor Victor Horsley has been engaged in the continuation of experiments on the *localisation of motor function in the cortex and in the internal capsule*. In addition, observations were made on similar localisation in the cortex of an orang outang; and the results obtained are about to be published by the Royal Society, and embrace many new points.

Mr. F. B. Jessett has forwarded a description of the methods adopted and results obtained from an *experimental investigation into a novel mode of performing operations in the intestines*. The operations performed were gastro-enterostomy, jejunostomy, circular enterorrhaphy, and ileocolostomy. The investigation was carried out at the Brown Institution, in conjunction with Mr. Victor Horsley, and assisted by Dr. Dove. The methods adopted in the investigation were those suggested by Professor Senn, of Milwaukee, and were performed shortly as follows:—Gastro-enterostomy and jejunostomy were performed with decalcified bone plates, each of which has an oval opening in its centre, and four perforations for sutures at the margin of the opening, one situated at each end, and one on each side; sutures are passed through these perforations, and fastened at the back. The operation is performed by making a longitudinal incision in the middle line of the abdomen, between the ensiform cartilage and umbilicus, and thus opening the cavity of the abdomen; a portion of the stomach and a loop of the jejunum, as near to its origin as possible, are now drawn out of the wound, and packed round with either sponges or cotton wool, soaked in solution of carbolic acid (1 to 60). A piece of india-rubber tubing is next passed round the intestine above and below the point at which it is to be opened, and lightly tied. An opening is next made in the long axis of the gut and in the stomach, large enough to admit the bone plates, which are now slipped, one into the stomach, and the other into the intestine; the lateral sutures, which are armed with needles, are now carried through all the coats of the stomach on the one hand, and the jejunum on the other, the end threads being left at the angle of the wounds of each viscus. The corresponding threads of the two plates are then tied firmly, the knots being embedded between the peritoneal surfaces of the intestine and stomach. The parts are then dropped back into the abdomen, and the parietal wound closed in the usual manner. Jejunostomy and ileocolostomy are performed in identically the same manner, substituting two portions of the intestine. The operation can be easily performed in from fifteen to twenty minutes. Circular enterorrhaphy, as in cases of intestinal wounds, malignant disease, typhoid ulcer, or in any case in which it is deemed advisable to remove a portion of the intestine, is performed as follows:—The abdominal cavity being opened and the portion of intestine removed, a narrow band of india-rubber is cut the exact length of the circumference of the upper portion of divided gut. This is formed into a ring by two catgut sutures. The ring is next pushed into the gut, and fastened round its free edge by a continuous catgut suture. Two threads, armed at each end with a common sewing needle, are prepared. One thread is passed through the upper end of the india-rubber ring, now fixed in the intestine and all the coats of the bowel, the needles being passed one on either side of the mesentery. The needles of the other thread are passed equi-distant through the rubber ring and the coats of intestine on the convex surface. The needles are next passed through the serous and muscular coats of the lower portion of bowel, about an eighth of an inch from its cut edge, at corresponding points. These threads are drawn tightly, and the upper portion of the intestine invaginated into the lower, so that the two peritoneal surfaces are in close contact, and the threads are then tied sufficiently firmly to prevent disinvagination. The bowel is then dropped into the abdomen, and the parietal wound closed in the usual manner. Ileocolostomy, an operation especially applicable in cases of tumour or cancer of the colon, or intussusception of the ileum into the cæcum and colon, is performed by lining the upper end of the intestine with india-rubber, in the same manner as described for circular enter-

orrhaphy. An incision is then made in the convex surface of the colon, and the threads passed through its muscular and serous coats on each side of the extremities of the incision. These threads are then drawn tightly, and the small intestine slipped into the slit in the colon, and the threads tied sufficiently firmly to secure the parts in apposition. The distal portion of the divided intestine is invaginated into itself, and fixed by a continuous suture passing through the serous and muscular coats only. These several operations have been performed by Mr. Jessett, assisted by Mr. Victor Horsley and Dr. Dove, with the following results, namely :—Two cases of gastro-enterostomy with approximation discs. Both recovered without bad symptoms. Five cases of jeuno-ileostomy with approximation discs. All recovered without bad symptoms. One case of jeuno-ileostomy by implantation died of secondary hæmorrhage. Seven cases of enterorrhaphy by invagination. Four recovered; the two first died directly from the operation, and one died of from obstruction caused by an enterolith. Three cases of ileo-colostomy by implantation. All recovered without bad symptoms. A series of the pathological specimens, the results of the above operations, has been accepted by the pathologist of the College of Surgeons Museum. The entire cost of the investigation has been £20 11s. 5d., of which he has received £12 from your Committee, and he has applied for a further grant of £8.

Dr. Lewis Jones and Dr. T. W. Shore have been engaged in an investigation into the *structure of the vertebrate liver*, and they have examined sections of the liver in all the classes of the vertebrata, and have found that in them all the type of the organ is that of a network of tubules; in none have they found any vertebrata liver which is not a network. They put forward the suggestion that the liver is formed not by the outgrowth of rods of cells which coalesce and form a network, as described by Balfour, but that the network is produced by the breaking-up of an originally solid mass of cells through the penetration into it of blood-vessels, and that the meshwork thus formed is more or less finely sub-divided according to the extent of the penetration. In the amphioxus the organ remains in its primitive condition, and in the lamprey the penetration of blood-vessels is very imperfect; but in other fishes, in amphibia, in reptiles, and in birds, the liver is plainly seen to consist of a network of tubules. In mammals the tubular arrangement is still present, but it has become obscured by the more abundant anastomoses of tubules which result from (1) the more complete penetration of blood-vessels, (2) the condensation of the tissue, and (3) the development of the lobule, a structural peculiarity confined to mammals, and existing in them in very varying degrees of perfection, which owes its existence to the formation of foci of drainage (intra-lobular veins), and a re-arrangement of the tissue around these foci.

The grant to Mr. C. B. Lockwood was originally made with the view of *investigating the pathology of syphilis*; but as great difficulty has been met with in obtaining suitable material, other subjects have also been investigated. With regard to *syphilis* some material has been obtained and is in course of examination. In making cultures from the blood upon serum an important preliminary difficulty has been met with. The serum tubes, which were obtained from Germany, although apparently pure, were found to contain a motile bacillus, which stained the same as, and had the same morphological characters as, the syphilis bacillus, which some observers say they have cultivated in serum. This point is still in course of investigation. A number of inoculations have been made from the blood of cases of *hectic fever, chronic pyæmia, and gonorrhœal rheumatism, and also from the joint fluid in the latter disease*. The results of these experiments have been decidedly encouraging, and positive results have occasionally been met with, and will in due course be communicated to the JOURNAL. A great many cultures have been made from operation wounds, and although the subject is one which has been much worked at, the results may some day prove worthy of being published. Mr. Lockwood regrets the slowness of the work, but the subject is one in which haste is impossible and quite incompatible with any pretence to accuracy.

Dr. A. P. Luff has been engaged in a research to ascertain the connection of ptomaines or animal alkaloids with the infectious fevers, and has worked on the urines of patients suffering from two of the infectious fevers—typhoid fever and scarlet fever—with the view of determining whether any animal alkaloid was present in the urine during the height of the fever which was not present in normal urine. Dr. Luff has extracted from the urine of typhoid fever patients small quantities of two ptomaines, which he has obtained in a crystalline condition, and which apparently have not been discovered before, since they present marked difference from the “typhotoxin” obtained by Brieger, and from the ptomaines extracted last year by Dixon Mann from the abdominal and thoracic viscera of a fatal typhoid fever case. From four gallons of urine collected from scarlet fever patients during the height of the fever, Dr. Luff obtained a small quantity of a semi-crystalline ptomaine in a pure state, and has determined its chemical tests, which he believes are characteristic, and, so far as he has been able to ascertain up to the present, it agrees with no known ptomaine or chemical substance. It is, he believes, a new and definite ptomaine. In the extraction of these ptomaines from the urine Dr. Luff has during the past three months employed a new process, the elaboration of which took him nearly two months. As this process is a somewhat lengthy and tedious one, Dr. Luff proposes to defer its description to the full report which he will send later. Dr. Luff has been extremely careful that the urines upon which he has worked have only been collected from patients who at the time were taking neither alkaloidal nor antipyretic medicines. Dr. Luff has not yet obtained any ptomaine in sufficient quantity to determine its chemical composition by ultimate analysis; this, however, he hopes to do, now that he has discovered a process which extracts the ptomaines in appreciable quantities. It is proposed to go on with the investigations.

Dr. E. W. Reid has been endeavouring to determine to what extent the vital condition of the various epithelia lining the cavities of the body influence the absorption of different substances. The object of the research has been to add some data to the facts already known concerning the influence exerted on the process of osmosis through animal membranes by the vital condition of such membranes. In order to exclude the effects of variations in the blood stream the portions of membrane employed have been removed from the body, and the well known long persistence of the vitality of the protoplasm of cold-blooded animals taken advantage of. In order to prolong the vitality of the excised tissue, as long as possible after removal from the body, a fluid was chosen which would have the smallest depressing action on the vitality of protoplasm consistent with sufficient density to give a fairly rapid indication of the process of osmosis. In obtaining such a fluid the duration of the movement of the cilia of ciliated epithelium, when immersed in the fluid, was taken as an indicator. The majority of the experiments have so far been conducted with the skin of the frog; a few have been made with the gastric mucous membrane of the same animal. The author, however, is desirous of extending the latter series before publication. The Dutrochet osmometer has been employed in some cases, but the author bases most of his results upon experiments made with a form of osmometer which he has termed the discharging osmometer. In this instrument the pressure is kept constant in order to avoid any error from filtration. In all experiments the instruments have been worked in pairs, exactly equal areas of membrane being exposed in both instruments—one osmometer is thus used to control the results observed with the other. For recording purposes Dr. Reid has taken advantage of the photographic method in order to avoid friction. Two instruments have been devised; in one, the differential recording osmometer, a pair of the discharging osmometers record continuously the difference between the volume of fluid passing through a normal piece of membrane and an equal area of the same membrane subjected to the conditions of the experiment. Units of length in the record have a definite relation to units of volume of fluid passing

through the membrane. The second instrument records the rise of fluid in the observation tubes of a pair of osmometers, in which the pressure at the commencement is zero, though as osmosis proceeds it gradually increases. Dr. Reid claims to have gained evidence of the following facts in the case of the skin of the frog:—1. A definite absorptive force, apart from the force of osmosis, is exerted by the skin of the frog, comparable to the secretory force of the cells of glands. 2. This force is dependent upon the vital condition of the skin. 3. After removal of the skin from the circulation the absorptive force gradually diminishes, but may persist for three days when the skin is kept in normal saline solution. 4. Reagents tending to depress the vitality of protoplasm, such as chloroform, digitaline, and distilled water, diminish the strength of the absorptive force, while it can be increased by such a stimulant as alcohol in dilute solution. 5. In consequence of this force acting in a direction from without inwards any alteration of the relation of the external surface of the skin to the denser of the two fluids employed in an ordinary osmosis experiment makes a difference in the rapidity of osmotic transference of fluid through the skin, according as the absorptive force is opposed to or in the same direction as the osmotic stream.

The object of Dr. Robert Robertson's inquiry has been to endeavour to ascertain the causes which lead to diminution of *respiratory capacity in pulmonary consumption*, and to estimate how far that diminution is of a permanent character, and how far it depends upon causes which are or may be transient. The investigation as yet has been directed to obtaining some basis for separating the influence of interference with the access of air to the blood from the effects of changes in the blood itself as a respiratory medium, but the observations thus far, though considerable in number, are insufficient for the formulation of any general law upon the subject. Taking the results as provisional, it may be said: (a) That sphygmographic records warrant the opinion that the pulmonary blocking of the capillary vessels by the morbid process registers itself in the radial pulse-tracing, just as the blocking of air-cells by the same changes is indicated by spirometric measurements, although, of course, the modifications in the tracings do not permit of the same estimation of the magnitude of the capillary obstruction as do "vital capacities" of alveolar changes. (b) That deterioration in the quality of the blood does advance with advancing disease, but that neither the corpuscle-value nor the pigment-value of the blood coincides in rate of deterioration with that of spirometric capacity, nor do the deteriorations in blood-values coincide in rate or degree with each other. It is intended to continue this investigation until reliable conclusions are reached, and to extend it in other directions as may seem desirable.

Dr. W. G. Spencer has been engaged in a research on *the effect of drugs on the course of tuberculosis*. The object of the research has been to see what effect, if any, the administration of drugs to animals inoculated with tubercle would have on the course of the disease. Guinea-pigs have been used, as being most susceptible, inoculated with bovine or human lung tubercle. Thus the tuberculosis ran a rapid course in all the animals inoculated. The drugs were administered by subcutaneous injection, except in the case of bicarbonate of soda, which was given with the food. The doses were carefully regulated so as not to hurt in any way the animal. In no case of those given below in the table did the animal show any sign of suffering from the drug. Control animals were in all cases kept for comparison. The results as yet have been entirely negative.

Dr. H. Tomkins has been engaged in an inquiry into the *etiology of summer diarrhoea*. This investigation was undertaken with a view of throwing some light upon the causes at work in producing summer diarrhoea in England, with its attendant excessive infantile mortality, more particularly as it affects Leicester, which suffers more than any other English town. Dr.

Tomkins has been engaged upon this work during the summers of 1886, 1887, and 1888. The general results arrived at so far are as follows:—1. The disease is almost certainly of a specific character. 2. That it has increased considerably during the last quarter of a century. 3. That it affects not merely infants or young children, but, in an equal degree, persons aged 10 years and upwards, but the mortality is confined to infants. 4. That in those districts where the disease most prevails, there the air is most loaded with micro-organisms. 5. That the disease does not begin to prevail to any marked degree until the temperature of the earth has reached about 60° Fahr. at a depth of one foot. 6. That in those districts of the town where diarrhoea is most prevalent, a long continued pollution of the soil has been going on, and that the soil here shows an excess of bacteria compared with the soil of other parts of the borough. 7. That artificially cultivated microbes obtained from the air and soil of the “diarrhoea districts” are capable of producing diarrhoea on the human subject. 8. That *post-mortem* examination, in fatal cases, shows the chief pathological lesions to be in the mucous membrane of the intestines; in a few cases, doubtful changes in the kidneys were observed. That the conclusions arrived at from the above are:—That the prevalence of diarrhoea in Leicester is due to the heat of the summer sun acting upon a polluted soil, whereby large numbers of microbes are produced; these become disseminated in the air, and that these or some of these, either as the direct result of their growth and multiplication, or of some product arising therefrom within the body, as well, probably, as articles of food, set up the diarrhoea, and that the special prevalence in Leicester is due to its topographical position and the character of its geological formation.

The Committee have to report that of the amount granted last year—namely, £419, the sum of £201 19s. 11d. has been returned as unused, and has been paid over to the Treasurer of the Association.

The Committee recommend a Grant of £500 for the purposes of assisting researches in 1889-90, of which they recommend the application of £418 as below. The remaining sum to be applicable to further researches of which the details are under consideration.

GRANTS FOR 1889-90.

RENEWED GRANTS.			NEW GRANTS.		
	£	s. d.		£	s. d.
Dr. Ballance	20	0 0	Mr. Bayliss	10	0 0
Dr. Haddon	9	3 0	Mr. Watson Cheyne	40	0 0
Dr. Haldane	34	0 0	Dr. Sheridan Delepine	40	0 0
Dr. Halliburton	30	0 0	Dr. Edington	40	0 0
Dr. Haycroft	10	0 0	Mr. France	40	0 0
Dr. Luff	20	0 0	Dr. Maguire	20	0 0
Mr. Reid	20	0 0	Dr. McWilliam	25	0 0
Dr. Halewhite... ..	40	0 0	Dr. Mott	20	0 0
	<u>£183</u>	<u>3 0</u>		<u>£235</u>	<u>0 0</u>
Renewed Grants	£183	3 0			
New Grants... ..	£235	0 0			
				<u>£418</u>	<u>3 0</u>

The objects of research to which the new grants are to be applied are as follows:—

Mr. BAYLISS.—Experiments on the pancreatic secretion with a view to discovering the nerves presiding over it, and to ascertain the nature of the inhibition stated to occur during vomiting, and on stimulating of the central end of the vagus or other sensory nerve.

Mr. WATSON CHEYNE—For continuing some work on diseases of bones and the purchase of a microtome for cutting large and complete sections.

Mr. SHERIDAN DELEPINE.—In aid of a research on the meanings of the "cardio-pneumatic" movement, and on the modifications of that movement in disease.

Dr. A. EDINGTON.—(1) A critical re-investigation into the blood of scarlatinal patients at as early a date as opportunity affords. (2) A consideration of the (I) changes produced in the blood by the action of micro-organisms: 1st, pathogenic; 2nd, non-pathogenic. (II) The origin of the red blood-corpuscles in the adult. (III) The origin of pus from the cell elements—(a) of the blood; 1st, direct; 2nd, indirect—(b) of the tissues. (IV) The part played by involuntary processes in the tissue cells with regard to tumour formation. (V) A consideration of the relationship of certain micro-organisms to tumour formation.

Mr. FRANCE.—The tracing out of degenerations following artificial and carefully localised lesions in the monkey's brain.

Dr. MAGUIRE.—Aid of a research upon the excretion of potash salts and phosphates in disease.

Dr. MCWILLIAM.—To investigate the action of ether and certain other drugs upon the vascular system in a new way which will afford a simultaneous record of the changes occurring in (1) the auricles, (2) the ventricles, (3) the arterial system as tested by the sphygmograph, and (4) the arterial system as indicated by blood pressure.

Dr. MOTT.—To ascertain (1) whether the muscles of adduction and abduction of the vocal chords are represented in the cortex cerebri by distinct localised centres; (2) also to ascertain that the adductor muscles which are connected with phonation are much more represented in the cortex than the abductor, thus explaining hysterical cramp of the glottis, the epileptic cry, laryngismus stridulus, and other functional disturbances of the brain associated with spasm of the glottis.

JOSEPH LISTER, *Chairman.*

MOTION—

"That the Report of the Scientific Grants Committee be received and adopted."

REPORT OF THE COLLECTIVE INVESTIGATION COMMITTEE.

The Collective Investigation Committee beg to present the following report to the Council, to be laid before the annual meeting in Leeds.

The report of the Committee during the past year has been limited to the completion of the inquiries which were in progress at the time of the last report.

The report of the Committee upon the Geographical Distribution of Rickets, Acute Rheumatism, Chorea, Cancer, and Urinary Calculus in the British Islands was presented to the Council at its meeting on January 16th in the form of a series of eighteen detailed maps, besides others of smaller size, and an explanatory commentary. The maps have been deposited in the Library of the Association for the use of members. The commentary was published in the JOURNAL of January 19th.

The Secretary of the Committee has attended on its behalf, or has arranged to attend before the close of the year, the meetings of such Branches as have requested it, to exhibit the maps in question and explain the results of the inquiry. Arrangements will also be made to place the maps on view at the annual meeting.

A report, prepared by Dr. Edward Casey, of Windsor, on the Causes of Death among Gouty People, supplementary to that on Habits of Intemperance, was also published in the JOURNAL of January 19th.

It having been brought to the notice of the Secretary to the Committee in February last that incorrect statements with regard to the results of the "Intemperance" inquiry had been widely circulated in a manner to mislead the public on an important sanitary question, a circular letter was drawn up by him in concert with the Committee on Inebriety, and forwarded to the principal London and provincial journals to caution the public against the statements in question.

Since the completion of the Geographical Report the Committee has directed its efforts to the completion of the inquiries into Epidemics of Diphtheria and the Etiology of Phthisis. A report upon the returns received will be prepared by the Secretary, and presented before the end of September; but the Committee regret to say that the returns upon these subjects have been so few that they do not feel justified in recommending the Association either to continue these inquiries further, or to enter, at the present time, upon fresh ones. They would regard it as the better course to abandon the work of Collective Investigation for the time being, and to allow the Committee to lapse at the end of its current year of office—namely, on October 1st next.

At the same time, they wish again to express their opinion that, considering all the difficulties of the undertaking, the results which have been obtained are quite sufficient to justify the action of the Association in entering on the work, and their hope that a resumption of collective inquiry may be counted among the possibilities of the future.

They also wish to express their deep sense of the liberality and public spirit which have throughout marked the action of the Council and the Association in dealing with the subject.

G. M. HUMPHRY, *Chairman.*

MOTION—

"That the Report of the Collective Investigation Committee be received and adopted."

REPORT OF THE THERAPEUTIC COMMITTEE.

During the past year the Committee have instituted pharmacological investigations under the direction of Dr. Lauder Brunton, and of Professors Leech, of Manchester, and Cash, of Aberdeen,

A. The researches undertaken under the direction of Dr. Brunton were—

1. A Contribution to our Knowledge of the Physiological Action of Antipyrin, by Rayner D. Batten, M.D., B.S., and T. J. Bokenham, L.R.C.P., L.S.A. The full paper appeared in the *JOURNAL* of June 1st, 1889. A Research on Antifebrin is also in progress.

2. A Research on the Value of Certain Reputed Antiseptics (Sodium, Silicofluoride, and Helenine) as protectives from Anthrax and Tuberculosis, by T. J. Bokenham, L.R.C.P. An abstract of the work as yet done is appended, but the research is not completed.

3. On the Action and use of Tertiary Amyl Nitrite (Bertoni's Ether), by T. J. Bokenham, L.R.C.P., L.S.A., and E. Lloyd Jones, M.B., B.C. A paper is in preparation, and will include (1) an abstract of Bertoni's paper, (2) Action of Drug on Animals, (3) Action on Patients.

4. On the Action of Iso-Amyl Nitrite Compared to that of Amyl Nitris *B.P.* and Butyl Nitrite, by T. Lauder Brunton, M.D., F.R.S., and T. J. Bokenham, L.R.C.P., L.S.A.

B. Under the direction of Professor Leech, of Manchester.

5. A Contribution to the Pharmacology of Phenacetin, by R. B. Wild, M.D.

6. The Action of Sulphates, by Professor Leech and Dr. R. B. Wild.

C. Under the direction of Professor Cash, of Aberdeen.

7. Observations on the Pharmacology of Urethan, by John Gordon, M.D., Assistant to the Professor of Materia Medica in the University of Aberdeen. Influence on (1) nitrogenous excretion in the urine; (2) blood-pressure, pulse, and respiration; (3) reflex functions of the cord; (4) nerve and muscle. Paper to be read at the meeting at Leeds.

8. On the Action of Certain Inorganic Salts on the Vitality of Muscle, by A. R. Cushing, M.A., M.B. Various salts of potassium, sodium, and calcium have been tested by the method of immersion. Attention directed to (1) spontaneous movement of muscle; (2) retention or increase of its minimal irritability; (3) protraction of rigor.

During the ensuing year the Therapeutic Committee would propose to extend their work in two directions—

1. The pharmacological researches to be continued on the same lines as during the past year. The investigation would be initiated by individual members of the Committee, who would personally supervise the researches. Notice of the work being done or proposed to be done would be sent to the Secretary, who would inform members of the Committee of the researches undertaken.

2. The Committee desire to extend their work to purely therapeutical, as distinguished from pharmacological, questions—the utility of drugs in the treatment of disease. The action of the researches could be determined by the Committee and in lines directed by them. The Committee would, in fact, take charge of the investigations. The Committee would select a certain number of workers, but all members of the Association would be invited to co-operate.

3. The expenses both of clinical and pharmacological work would be defrayed out of the funds allowed the Committee. Such expenses would be for (1) drugs; (2) chemical reagents; (3) glass apparatus; (4) instruments; (5) material; (6) time expended by students and residents in hospitals, or others, on the investigation; (7) clerical work.

4. The results would be published in the JOURNAL after being submitted to the Committee.

5. For the expenses the Committee request a grant of £200.

T. LAUDER BRUNTON, *Chairman*.

MOTION—

“That the Report of the Therapeutic Committee be received and adopted.”

NOTICES OF MOTION.

Mr. RIVINGTON gives notice that he will move, on the reading of the report of the Council:—“That it is the opinion of this meeting that the Members of the Royal College of Surgeons of England should have a voice in the management of that College and the election of its Council, and that

it be an instruction to the Council of this Association to further this object through the action of the Parliamentary Bills Committee, or a Special Committee to be appointed for the purpose at this Annual Meeting.

Dr. EDWIN RICKARDS hereby gives notice that, at the Annual Meeting to be held at Leeds in August next, he will move :—"That it be a recommendation to the Council of the British Medical Association that a decennial index of the contents of the BRITISH MEDICAL JOURNAL from its commencement up to the present time be made, and that in future, in addition to the annual index, a quinquennial one be issued."

Mr. J. BRINDLEY JAMES will move :—"That the British Medical Association shall give active support and assistance to any scheme that has in view the establishment of hospital co-operation with a view to the better conducting of the out-patient department of our general hospitals, raising thereby the standard of hospital practice and extinguishing the *raison d'être* of so-called provident dispensaries and open surgeries, thus enabling general practitioners to gain an honourable livelihood."

Dr. OGILVIE GRANT gives notice that at the meeting at Leeds, he will move :—"That the travelling expenses of representatives of Branches incurred in attending meetings of the Council in London be defrayed out of the funds of the Association."

Dr. RENTOUL gives notice that he will move :—"That, recognising the fact that there is an abuse of the out-patient department of our medical charities, this meeting of the British Medical Association resolves :"

1. That medical practitioners and the managers of our medical charities in the various towns and cities meet together and decide who are eligible for out-patient medical aid. This meeting suggests that the following "wage limit" be adopted :—When a man and wife make 25s. per week and over, or a single person 20s. per week and over, that these shall be ineligible for out-patient treatment at the medical charities—except in cases of accident—and that those earning a similar rate of wage be ineligible for "home visits;" that is, visits paid by the staff of the medical charities to sick persons at the patient's home. Further, that either the Manchester system of checking abuse, or that used at the London and St. Bartholomew's Hospitals be put into force, but that preference be given to the plan used in Manchester.

2. In order that those who shall be excluded from the out-patient department of our medical charities (by the working of the previous resolution) may have the means of obtaining immediate and efficient medical, surgical, and dental treatment, and medicines, this meeting resolves, that a Public Medical Service—such as that suggested in the JOURNAL of June 22nd, 1889—be formed, and that this service embrace those wage-earners who are making under 45s. per week per family, and single persons under 30s. per week. And that the medical practitioners, dental surgeons, chemists, and hospital managers are requested to bring about this hospital reform, and establish a Public Medical Service with as little delay as possible.

3. That having secured hospital co-operation, and having established a Public Medical Service, the members of this Association appoint a Committee, composed of two representatives elected by each Branch, and that this Committee draw up a series of rules for the formation and working of a provident system, whereby wage-earners receiving up to 45s. per week per family, and single persons 30s. per week, may, by making periodic payments during health and sickness, provide themselves, their wives, and children with efficient medical and surgical treatment, and medicines.

4. That the principle of a "wage limit" be adopted, and worked by friendly societies, tontines, and sick insurance companies; or that a "sliding scale" of payments be made to their medical practitioners, so that the present abuses may be rectified. This scale of payments to be drawn up by the Committee constituted as by Resolution 3. This meeting suggests that the minimum medical fee paid by such sick clubs shall be 6s. per annum, per member; that the person proposed for membership pay a fee of 3s. 6d. for the medical examination (whether admitted to membership or not) to the practitioner who so examines; that the sum of 1s. be paid for each certificate to the practitioner by the person who obtains it; and that the sum of 8d. be paid for each prescription dispensed. This meeting earnestly request the various authorities of friendly societies, tontines, and sick insurance companies, to make provision for surgical and dental treatment, and to draw up a scale of fees for the same, so that they may not be depending on the medical charities for relief.

5. That this meeting, recognising the fact that there are a great number of beds in the Poor-law infirmaries (there being no less than 12,000 in 25 metropolitan Poor-law infirmaries), and many in the various fever hospitals at present unused for the clinical teaching of students, and giving due weight to the statement made in the Metropolitan Asylums Board Report of 1889, page 18, that: "Your Committee cannot fail to observe the large proportion of mistakes which are made in the diagnosis of cases of small-pox and fever," desire to express their regret that the Poor-law infirmaries and fever hospitals are not open for the clinical instruction of medical students, and hope that the various authorities will direct their attention to the removal of the present restrictions, so that the educational standard may be improved, it being essential to the health of cities and towns that medical practitioners may be able to recognise fever cases at the earliest possible period.

6. That the Council and JOURNAL of the Association help in every legitimate way to bring the above resolutions to a successful issue.

Dr. Hugh Woods hereby gives notice that he will move that voting by proxy be permitted at the general meeting of the Association, in all questions affecting the general welfare of the Profession.

Sectional Arrangements.

The following Discussions and Papers are promised up to the present time. Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 36 .)

SECTION A.—MEDICINE.

(HEAD MISTRESS'S ROOM, MECHANICS' INSTITUTE.)

A. MEDICINE.—*President*, John Edwin Eddison, M.D. *Vice-Presidents*, Charles Parsons, M.D.; Robert Saundby, M.D. *Honorary Secretaries*, Alfred George Barrs, M.D., 22, Park Place, Leeds; Theodore Dyke Acland, M.D., 7, Brook Street, Grosvenor Square, W.

The proceedings of this Section will be opened by the President on Wednesday, August 14th, at 10 a.m., after which Dr. R. Douglas Powell will read a paper on the Clinical Aspects of Chronic Tubercular Diseases of the Serous Membranes and their Treatment. Sir Andrew Clark, Drs. Vincent Harris, Roberts, Samuel West, Churton, Cheadle, Handford, More Madden, and Burney Yeo have promised, if possible, to take part in the discussion.

On Thursday, August 15th, a paper will be read by Dr. Pavy on the Prognosis of Cases of Albuminuria, with Special Reference to Life Insurance. Sir W. Roberts, Drs. Goodhart, Maguire, Pye-Smith, Ralfe, Rabagliati, C. R. Drysdale, Robert Barnes, De Havilland Hall, N. Tirard, Joseph Ewart, T. Cranstoun Charles, and Saundby hope to take part in the discussion.

The following papers are promised :

- BATEMAN, F., M.D. (Norwich). On the Jurisprudence of Aphasia.
 BROWN-SEQUARD, C.E. The Toxicity of Expired Air and its Connection with Pulmonary Tuberculosis.
 CHURTON, T., M.D.
 DRYSDALE, C. R., M.D. The Alleged Rarity of Phthisis among the Jews in London.
 ECCLES, A. Symons, M.B. The Influence of Massage on the Rate of Absorption from the Intestines.
 FINUCANE, T. D., M.D. (Blackrock). On Asiatic Cholera.
 FLOOD, A. W., L.R.C.P. & S., Edin. On Ringworm and its Treatment
 GREENE, G. E. J. (Ferns, Co. Wexford). Notes on R \ddot{o} theln.
 HAIG, A., M.D. On the Connecting Link between the High Tension Pulse and Albuminuria.
 HANDFORD, H., M.D. On the Relations of Arterial Hypoplasia to Cardiac Disease.

- HARLEY, VAUGHAN, M.B. Abscess of the Liver : Treatment.
- JOHNSTONE, THOS., M.D. 1. Case of Massage. 2. Ilkley as a Resort for the Asthmatic.
- LITTLE, J. FLETCHER, M.B. The Modern Treatment of Palsies.
- MCAUGHT, DR. A Case of Dilatation of the Stomach accompanied by the Eructation of Inflammable Gas.
- MADDEN, T. MORE, ESQ. Clinical Experiences of the Chronic Tubercular Diseases of Childhood.
- MAGUIRE, R., M.D. Presystolic Murmur without Organic Mitral Disease.
- PEARSE, T. F., ESQ. The Use and Abuse of Soap.
- THOMAS, W. R., M.D. On Phthisis, with Remarks on the Varieties of Climatic Treatment.
- THUDICHUM, J. L. W., M.D. On the Demodex Folliculorum, the Parasite of the Acne Punctata of Man and the Mange of the Dog.
- TIRARD, N., M.D. Peptonuria and the Fehling Test.

SECTION B.—SURGERY.

(LECTURE THEATRE NO. 13, SCHOOL OF SCIENCE).

B. SURGERY.—*President*, Thomas Richard Jessop, F.R.C.S. *Vice-Presidents*, Edward Atkinson, M.R.C.S.; Arthur F. McGill, F.R.C.S.; Henry Morris, F.R.C.S. *Honorary Secretaries*, Arthur W. Mayo Robson, F.R.C.S., Hillary Place, Woodhouse Lane, Leeds; Edward Ward, M.B., 22, Park Place, Leeds.

Arrangements have been made in this Section for the consideration of four special subjects, and the gentlemen whose names are appended have promised, if possible, to take part in the discussions.

The President of the Surgical Section will give an Opening Address on the Treatment of Cancer of the Rectum. The following gentlemen will take part in the discussion:—Mr. Mitchell Banks (Liverpool), Mr. Bond (Leicester), Mr. Bryant (London), Mr. Harrison Cripps (London), Mr. Christopher Heath (London), Mr. Whitehead (Manchester), Dr. Alexander (Liverpool), Mr. H. Allingham (London), Mr. Alfred Cooper (London), Dr. Ward Cousins (Southsea), Mr. Vincent Jackson (Wolverhampton), Mr. Jordan Lloyd (Birmingham), Mr. F. Marsh (Birmingham), Dr. James Murphy (Sunderland), Mr. Bennett May (Birmingham), and Mr. F. B. Jessett (London).

Mr. HENRY MORRIS will open a discussion on the Surgery of the Kidney. Professor Annandale (Edinburgh), Mr. Rickman Godlee (London), Mr. Bennett May (Birmingham), Dr. Newman (Glasgow), Mr. Lawson Tait (Birmingham), Mr. Bruce Clarke (London), Mr. Kenda Franks (Dublin), and Mr. R. Lawford Knaggs (Huddersfield), will take part in the discussion.

Mr. FREDERICK TREVES will open a discussion on the Surgical Treatment of Typhlitis after the discussion on Renal Surgery.

Mr. A. F. MCGILL will open a discussion on the **Treatment of Retention of Urine from Prostatic Enlargement**. Mr. Edward Atkinson (Leeds), Mr. A. E. Durham (London), Mr. Reginald Harrison (Liverpool), Mr. Berkeley Hill (London), Mr. Bruce Clarke (London), Dr. Ward Cousins (Southsea), Mr. Vincent Jackson (Wolverhampton), Mr. Jordan Lloyd (Birmingham), Mr. Bennett May (Birmingham), and Mr. W. Whitehead (Manchester) will take part in the discussion.

The following further papers are announced :

- ADAMS, W., Esq. (London). On the Successful treatment of Cases of Congenital Displacement of the Hip-joint by Complete Recumbency with Extension for two years.
- ALEXANDER, W., M.D. (Liverpool). The Surgical Treatment of Epilepsy.
- BISHOP, E. Stanmore (Manchester). 1. Some Points in the Technique of Morton's Operation for Spina Bifida. 2. Will show a Splint Cradle for Excision of the Hip-joint and Osteotomy.
- CRIPPS, Harrison, Esq. (London). A Series of Cases of Cancer of the Rectum treated by Excision or Colotomy.
- FRANKS, Kendal, F.R.C.S. Subcuticular Suture.
- HERN, John, M.D. (Darlington). The Advisability of Aspiration of the Protruded Gut in Recently Strangulated Hernia, and Notes of Cases.
- HUME, G. H., M.D. (Newcastle). On combined External and Internal Urethrotomy in the Treatment of certain cases of Stricture.
- JONES, Robert, Esq. (Liverpool). 1. The Treatment of Joint Disease by Prolonged Fixation. 2. The Treatment of Certain Cases of Perirectal Abscess by Partial Removal of the Sacrum.
- KEETLEY, C. B., Esq. (London). Compression of the Abdominal Aorta by an Instrument passed through a Small Opening in the Anterior Wall of the Abdomen.
- KELLER, Otto E., M.D. (London). Trephining in a Case of Actinomycosis of Brain.
- LYOUD, Jordau, Esq. (Birmingham). Abdominal Section for Acute Intestinal Obstruction.
- MARSH, F., F.R.C.S., will exhibit a Patient after Madelung's Operation with subsequent Excision of Rectum.
- OTIS, F. N., M.D. (New York). A *Resumé* of the Experience of Seventeen Years in the Operation of Dilating Urethrotomy.
- PARKER, Rushton, Esq. Cerebral Tumour removed Successfully.
- PARSONS, J. INGLIS, M.D. (London). On the Arrest of Growth in Cancer, by a Powerful Interrupted Voltaic Current.
- PEARSE, T. Frederick, Esq. (London). The Treatment of Empyema.
- ROBSON, A. W. Mayo (Leeds). 1. Two Hundred Consecutive Cases of Abdominal Section, with remarks. 2. Successful Case of Cholecyst-enterostomy for Biliary Fistula. Patient shown.
- SILK, J. F. W., M.D. (London). Ether as an Adjunct to Nitrous Oxide Anaesthesia in Minor Surgery; with some general remarks upon Ether Narcosis and the teaching of Anaesthetics.
- SPICER, Scanes, M.D. Note on a Case of Progressive Induration of Cervical Glands Simulating Malignant Disease, but readily yielding to the Treatment of Chronic Post-Nasal Catarrh.
- STOKES, Sir Wm. Thyrotomy in the Treatment of Laryngeal Cancer.

SECTION C.—OBSTETRIC MEDICINE AND GYNÆCOLOGY.

(ENGINEERING CLASS ROOM, MECHANICS' INSTITUTE.)

C. OBSTETRIC MEDICINE AND GYNÆCOLOGY.—*President*, Charles J. Cullingworth, M.D. *Vice-Presidents*, James Braithwaite, M.D. ; J. W. Byers, M.D. *Honorary Secretaries*, F. Hall, M.D., St. Mark's House, Leeds ; Peter Horrocks, M.D., 9, St. Thomas's Street, S.E.

Dr. BRAXTON HICKS, F.R.S., will open a discussion on the *Treatment of Placenta Prævia*. Drs. Robert Barnes, Murdoch Cameron, Gervis, W. Goodell (Philadelphia, U.S.), Robert Harvey (Bengal), Aust Lawrence, Malins, Murphy, Playfair, Priestley, Macnaughton Jones, Robert Bell, William Walter, Wallace, and Messrs. Hall and Wright are expected to take part in the discussion.

Dr. HERMAN will open a discussion on *Corporeal Endometritis, its Frequency, Diagnosis, and Treatment*. Drs. Braithwaite, Byers, Murdoch Cameron, Halliday Croom, Duke, Elder, Gervis, Goodell (Philadelphia, U.S.), A. W. Johnstone (Danville, U.S.), Handfield Jones, Aust Lawrence, Playfair, Robert Bell, William Walter, Priestley, Wallace, Macnaughton Jones, Aveling, and Messrs. Pridgin Teale and More Madden are expected to take part in the discussion.

The following further papers are announced :

ARMSTRONG, J., M.B. The Use of Antiseptics in Midwifery.

BELL, R., M.D. On the Relation of Endometritis to Ovarian Disease, and will also show some instruments.

CAMERON, Murdoch, M.D. Cæsarean Section, with Notes of a Second Successful Case.

CROOM, J. Halliday, M.D. 1. On the Shedding of the Decidual Membrane late in the Puerperium. 2. On Encysted Tubercular Peritonitis Simulating Ovarian Tumour.

DUKE, Alexander, F.K.Q.C.P.I. 1. Additional Traction in Forceps Cases as an Alternative to Craniotomy. 2. New Plan of Plugging the Cervix Uteri in Metrorrhagia.

HANDFIELD-JONES, M., M.D. On Cardiac Insufficiency in its Relation to Abortion.

JOHNSTONE, A. W., M.D. (Danville, U.S.A.) The Mechanics of Puberty.

LAWRENCE, A. E. Aust, M.D. (Bristol). Notes on Cases of Concealed Post-Partum Hæmorrhage.

MADDEN, T. More, M.K.Q.C.P.I. On Some Points in the Treatment of Uterine Cancer.

NAIRNE, J. Stuart, Esq. Some Practical Points in the Surgical Treatment of Cancer of the Uterus.

PLAYFAIR, W. S., M.D. An Estimate of the Value of Electricity in Gynæcology.

ROBERTS, ARTHUR, M.D. (Keighley). Concealed or Ante-Partum Hæmorrhage.

- SINCLAIR, W. J., M.D. (Manchester). 1. Vaginal Hysterectomy for Cancer, with notes of ten Cases. 2. Oöphorectomy in the Treatment of Certain Neuroses; with Cases.
- WALTER, Wm., M.D. A Case of Total Extirpation of Uterus for Cancer.

SECTION D.—PUBLIC MEDICINE.

(PHILOSOPHICAL HALL.)

D. PUBLIC MEDICINE.—*President*, Edward Ballard, M.D., F.R.C.P., F.R.S. *Vice - Presidents*, George Goldie, L.R.C.P., Edin.; Benjamin A. Whitelegge, M.D. *Honorary Secretaries*, George Eastes, M.B., F.R.C.S., 35, Gloucester Place, Hyde Park, W.; Arthur Stopford Underhill, M.D., D.P.H., Great Bridge, Tipton, Staffs.

The following special subjects will be considered in this Section :

1. **Medical Officers of Health: their Training and the Conditions on which they should hold Office.** The President of the Section will introduce this subject. Dr. John Brown (Bacup), Dr. D. E. Flinn (Kingstown), Dr. G. E. J. Greene (Ferns), Mr. J. Brindley James (London), and others have promised to read papers or take part in the discussion. Dr. C. F. Moore, Dublin, will contribute Notes on the Disposal of Town Refuse and Excremental Matter.

2. **Disinfection and Isolation: with special reference to the control of Epidemics.** Dr. C. H. Allfrey (St. Mary Cray) will read a paper on "The Management of Infectious Diseases in Hotels." Dr. W. Squire will read a paper on "Disinfection and Isolation as necessary to the Control of Epidemics." Dr. C. R. Drysdale (London), Dr. E. W. Hope, and Dr. Joseph Loane (London) will take part in this discussion.

3. **Town Refuse: its Treatment and Disposal. Excremental Matter: its Treatment and Disposal by other Methods than that of Sewers.** Dr. E. Slade-King (Ilfracombe) will read a paper on "Town Refuse: its Collection and Disposal in Smaller Towns." Dr. M. Greenwood, jun., will read a paper on "Dusting in our Large Towns," and will take part in the discussion on "Town Refuse: its Treatment and Disposal." Dr. D. E. Flinn (Kingstown), Dr. G. E. J. Greene (Ferns), and others will also take part in this discussion. Dr. C. F. Moore, Dublin, will contribute Notes on the Disposal of Town Refuse and Excremental Matter.

4. **Diseases and Injuries caused by Special Occupations: with reference to their Prevention.** Dr. T. Churton (Leeds), Dr. J. T. Arlidge, Dr. G. E. J. Greene (Ferns), and others will take part in the discussion.

5. **Contamination of Drinking-water by Lead its Causes and Prevention** Dr. Sinclair White (Sheffield) will read a paper on this subject. Dr. John Brown (Bacup), and Dr. T. Churton (Leeds) will take part in this discussion.

The following further papers are announced :

- ARLIDGE, J. T., M.D. (Newcastle-under-Lyme). On Diseases in Some Occupations Produced by Noxious or Poisonous Dusts.
- CHURTON, T., M.D. (Leeds). Results of Twelve Months' Systematic Inquiry into the Sanitary State of the Homes of Hospital In-patients.
- DRYSDALE, C. R., M.D. (London). Class Mortality Statistics.
- FLINN, D. E., F.R.C.S.I. (Kingstown). On the Public Cleansing of Towns viewed in Relation to Public Health.
- JAMES, J. Brindley, M.R.C.S. (London). 1. Town Refuse : its Treatment and Disposal. 2. A Cabinet Minister of Public Health.
- KING, E. Slade, M.O.H. (Great Torrington). Town Refuse : its Collection and Disposal in the Smaller Towns.

SECTION E.—PSYCHOLOGY.

(CLASS ROOM 3, SCHOOL OF SCIENCE.)

E. PSYCHOLOGY.—*President*, D. Hack Tuke, F.R.C.P., LL.D. *Vice-Presidents*, W. Bevan Lewis, L.R.C.P. ; Ringrose Atkins, M.D. *Honorary Secretaries*, John Greig, McDowall, M.D., Menston Asylum, near Leeds ; Robert Percy Smith, M.D., Bethlem Royal Hospital, S.E.

Presidential Address, Dr. HACK TUKE, on the Past and Present Provision for Pauper Lunatics in Yorkshire, introducing for discussion the question, "Ought the Future Provision for this Class to be on the Same Lines?" Drs. Bevan Lewis and Yellowlees will take part in the discussion.

Dr. W. W. IRELAND will open a discussion on the Double Brain, and the Discordant Action of the Two Hemispheres in Insanity. Drs. Bevan Lewis, Hughlings Jackson, Fletcher Beach, and T. Otterson Wood, will take part in the discussion.

Dr. F. WARNER, as Secretary of the Committee (appointed at the Glasgow meeting in 1888), will read their report, and introduce a discussion on the Draft Report of the Committee appointed to conduct an Investigation as to the Average Development and Condition of Brain Function among the Children in Primary Schools. Drs. Fletcher Beach, Savage, Ireland, Henry Ashby, and Shuttleworth will join in the discussion on Dr. Warner's report.

The following papers are promised :

- BEACH, Fletcher, M.B. Some further facts respecting the Causation of Idiocy and Imbecility.
- BATEMAN, F., M.D. On Hypnotism, with special reference to Certain Experiments at La Salpêtrière.
- BULLEN, F. St. John, M.R.C.S. An Analysis of 1,565 *Post-Mortem* Examinations of the Brain, performed at the Wakefield Asylum during a period of eleven years.
- ROBERTSON, George, M.D. Melancholia from an Evolutionary and Physiological Point of View.

- SAVAGE, G. H., M.D. Massage Treatment of Some Forms of Melancholia.
 SHUTTLEWORTH, G. E., M.D. (1) A Contribution to the Etiology of Idiocy. (2) Remarks on a Series of Idiot Brains.
 VOISIN, Professeur Aug. (of the Salpêtrière). On the Use of Hypnotic Suggestion as a means of Treatment in the Insane, and the Results he has obtained by this Method.
 WIGLESWORTH, J., M.D. Note on Optic Nerve Atrophy Preceding the Mental Symptoms of General Paralysis.

SECTION F.—PATHOLOGY AND PHYSIOLOGY.

(PHYSICS LECTURE ROOM, No. 11, SCHOOL OF SCIENCE.)

F. PATHOLOGY AND PHYSIOLOGY.—*President*, Joseph Coats, M.D. *Vice Presidents*, Thomas Churton, M.D.; De Burgh Birch, M.D. *Honorary Secretaries*, Ernest Henry Jacobs, M.D., 12, Park Street, Leeds; T. Wardrop Griffith, M.D., 23, Park Square, Leeds.

A discussion on the subject of Fever will be opened by Dr. T. J. MACLAGAN. Dr. Gairdner, Dr. Dreschfeld, Dr. Handford, Dr. Broadbent, and Dr. Sims Woodhead will take part in the discussion.

The following further papers are announced :

- BIRCH, De B., M.D. On the Nature of some Pressure Phosphenes.
 COPEMAN, S. A. M., M.A. The Detection of Human Blood.
 CROOKE, G. F., M.D. The Histology of Bright's Disease.
 DRUMMOND, D., M.D. The Pathology of Acute Lead Poisoning.
 HANDFORD, H., M.D. Visceral Changes in Enteric Fever.
 HAYCRAFT, J. B., M.D. (Title not received.)
 MOTT, F. W., M.D. The Pathology of Cardiac Failure.
 POPE, F. M., M.D. Case of Thrombosis of Vertebral Artery : Pressure on Glosso-pharyngeal Nerve : Unilateral Loss of Taste.
 WILLIAMS, Roger, Esq. The Neoplastic Process from an Evolutional Standpoint.
 WOODHEAD, G. Sims, M.D.

The Pathological Museum will be held in the Chemical Laboratory of the Leeds School of Science (Mechanics' Institute). Dr. Bevan Rake, will show a series of preparations illustrative of the various lesions of Leprosy.

SECTION G.—OPHTHALMOLOGY.

(CLASS ROOM 5, SCHOOL OF SCIENCE.)

G. OPHTHALMOLOGY.—*President*, George Anderson Critchett, F.R.C.S. Edin. *Vice-Presidents*, John Albert Nunneley, M.B.; George A. Berry, M.B. *Honorary Secretaries*, Gustavus Hartridge, F.R.C.S., 65, Green Street, Grosvenor Square, W.; R. N. Hartley, M.B., 29, Blenheim Terrace, Leeds.

Mr. JONATHAN HUTCHINSON will open a discussion on the Treatment of Glaucoma. Messrs. Couper, Frost, Evan Jones, Green, Griffith, Hutchinson, Little, Mackinlay, Macnaughton Jones, Prichard, Scougal, Sympson, Tweedy, Cant, and Lloyd Owen have promised to take part in the discussion.

The following further papers are announced :

- BENSON, A. H., M.B. Pulsating Tumour of Orbit cured by Digital Pressure.
- BERRY, G. A., M.B. St. Petersburg Operation for Entropion and Trichiasis.
- BICKERTON, Thomas H., M.R.C.S. Criticism of the various Tests for Colour-Blindness, with special reference to the Board of Trade Tests, and further examples of Defective Eyesight occurring in Sailors.
- BRONNER, Adolf, M.D., will show a Hook for Removing Remains of Lens Capsule.
- CANT, W. J., M.R.C.S. A Case of Paralysis of the Right External Rectus Muscle after Injury to the Left Temple (*contre coup?*).
- COLLINS, W. J., M.D. The Composition of the Human Lens in Health and in Cataract, and its Bearing upon Operations for the latter.
- CROSS, F. Richardson, M.R.C.S. Muscular Advancement.
- EMRYS-JONES, A., M.D. The Value of Galvano-Cautery in the Treatment of Conical Cornea (6 cases).
- FORD, Vernon, M.R.C.S. The Value of Peritomy in Ulcers of the Cornea, etc.
- FROST, W. Adams, F.R.C.S., will show a series of Ophthalmoscopic Drawings thrown on to a Screen.
- GROSSMAN, K. I., Note on Test for Colour-blindness. 2. Blenorrhœa Neonatorum.
- HARTLEY, R. N., M.B., will show (1) Modification of Sichel's Knife for Cataract Operations. (2) Cases of Soft Cataract treated by Suction. (3) Cases of Hard Cataract extracted without Iridectomy.
- HARTRIDGE, G., F.R.C.S., Case of Pulsating Exophthalmos cured spontaneously by suppuration of Contents of Orbit.
- HERN, John, M.D. Scleritis from Dental Irritation.
- HEWETSON, H. B., M.R.C.S. (1) Series of Cataract Operations without Iridectomy. (2) Series of cases of Interstitial Keratitis treated by Syndectomy.
- JOHNSON, G. L., F.R.C.S. Observations on the Therapeutical Action of the Violet and Ultra-violet Rays of Light on Vision.
- MONEY, Angel, M.D. Sudden Transient Ocular Phenomena in Children.
- MULES, P. H., M.D. Peripheral Neuritis of the Ophthalmic Division of the Fifth Nerve, and its Clinical Bearings.
- SNELL, Simeon, M.R.C.S. Extraction of Cataract without Iridectomy.
- TEALE, T. Pridgin, M.B., F.R.S. Description of the Operation he employs for Extraction of Cataract without Iridectomy.
- THOMPSON, J. T., M.B. (1) A Note on a case of Superficial Keratitis induced by Aniline Violet. (2) Necrosis of Cornea from Contact with Crude Creasote.

SECTION H.—DISEASES OF CHILDREN.

(CLASS ROOM 1, SCHOOL OF SCIENCE.)

H. DISEASES OF CHILDREN.—*President*, Thomas Scattergood, M.R.C.S. *Vice-Presidents*, Richard Favell, M.R.C.S.; A. H. Carter, M.D. *Honorary Secretaries*, Walter Henry Brown, F.R.C.S.I., 19, Queen Street, Leeds; Angel Money, M.D., F.R.C.P., 24, Harley Street, Cavendish Square, W.

A discussion on the following subject will take place: The paralyzes of the first two years of life. What is the relative frequency of paralysis from brain, cord, and nerve disease? What is the nature of the changes in the centres and nerves? This will probably be opened by the Honorary Medical Secretary. Papers will be read on the various forms of infantile paralysis: spastic paraplegia, congenital chorea, infantile palsy, and diphtheritic paralysis.

Surgical Portion.—Subject for discussion: The Surgical Treatment of the Various Congenital Malformations. Mr. Walsham and Mr. Morgan will take part in the discussion.

The following further papers are announced:

- ASHBY, Henry, M.D. A case of Softening of an Infant's Brain due to Vascular Obstruction. Also a case of Acute Polio-myelitis; death six weeks after the Acute Attack. The specimens will be shown.
- BALLANTYNE, J. W., M.B., F.R.C.S.Ed. Sclerema and Œdema of New-born Infants.
- BARRS, A. G., M.D., will show some Cases Illustrative of Palsy in Infants.
- BROWN, John, M.B. (Bacup). Unsuspected Lead-poisoning in Children.
- BURY, Judson S., M.D. On a Case of Microcephalus with Spastic Paralysis, and will show a Specimen.
- CHURCHILL, F., M.D. Hare-lip Operations.
- CHURTON, T., M.D., Meningitis following slight Injuries to the Head.
- MORGAN, J. H., F.R.C.S. Congenital Malformations.
- SQUIRE, W., M.D. Cases of Infantile Palsy, Spastic Paraplegia, and Diphtheritic Paralysis in Children.
- SYMPSON, Mansel, M.B. (1) A Case of Cerebral Birth Palsy with Epileptoid Convulsions. (2) A Case of Infantile Palsy, with comments.
- WALSHAM, W. J., F.R.C.S. Ectopia Vesicæ.
- WARNER, F., M.D. The Frequency of Coincidental Defects in Development as seen in Children.

SECTION I.—LARYNGOLOGY.

(CLASS ROOM 2, SCHOOL OF SCIENCE.)

I. LARYNGOLOGY.—*President*, Henry T. Butlin, F.R.C.S. *Vice-Presidents*, Francis de Havilland Hall, M.D.; Richard A. Hayes, M.D. *Honorary Secretaries*, Greville Macdonald, M.D., 47, Queen Anne Street, Cavendish Square, W.; Barclay J. Baron, M.D., 16, Whiteladies Road, Bristol.

The following subjects are proposed for special discussion :

1. **Tonsillitis** : Its Varieties and Association with Rheumatism.
2. **Perichondritis of the Larynx** : its Etiology, Pathology, Symptoms, and Treatment.

Dr. R. Hingston Fox and Dr. Barclay J. Baron will take part in the discussions.

The following gentlemen have promised papers on these subjects : Dr. C. W. Haig-Brown, Dr. P. McBride, Dr. G. Macdonald, Dr. David Newman, Dr. Scanes Spicer, and Mr. Lennox Browne ; and the following will take part in the discussions : Dr. Dundas Grant, Dr. Hodgkinson, Mr. T. Mark Hovell, Dr. C. J. Lewis, Dr. S. Moritz, Dr. G. Hunter Mackenzie, Dr. Scanes Spicer, Mr. G. Eland Stewart, Dr. Archibald Garrod, Dr. Warden, Dr. A. Mantle, and Dr. de Havilland Hall.

The following further papers are announced :

- BARON, Barclay J., M.B. A Case of Bilateral Paralysis of Abductors of the Vocal Cords.
- HAILES, W. J., M.D. (Albany, N.Y.). Intubation of the Larynx, 60 Cases, 20 Recoveries, with Instruments.
- LAWRENCE, L. H., F.R.C.S. Granular Pharyngitis.
- MACDONALD, Greville, M.D. Empyema of the Maxillary Sinus, with an analysis of twelve cases.
- MACKENZIE, G. Hunter, M.D. Cases of Infraglottic Laryngeal Disease ; (1) a Web removed by Laryngotomy ; (2) a Growth a Sequel of Acute Laryngitis ; (3) Intubation of the Larynx.
- MORITZ, S., M.D. A Case of Acute Rheumatic Bilateral Paralysis of the Abductors of the Vocal Cords.
- MURPHY, JAMES, M.D. A Retractor for use in Tracheotomy.
- NEWMAN, David, M.D. A case of Laryngeal Carcinoma complicated by Chronic Pulmonary Tuberculosis, with remarks respecting the rare coincidence of these diseases.
- SPICER, R. H. Scanes, M.D. Throat and Nose Affections in Children as Causes of Functional Nervous Disorders.
- STEWART, G. Eland, M.R.C.S. Tonsillitis as a Cause of Abscess in the Neck.
- STOKER, George, M.K.Q.C.P.I. Laryngitis and Rhinitis in Diabetes.
- ZWAARDEMAKER, H., M.D. (Utrecht). New Olfactometers for Estimating Degree of Loss of Smell (shown and described for the author by Dr. Scanes Spicer).

SECTION J.—OTOLOGY.

(ELEMENTARY DIVISION, MECHANICS' INSTITUTE.)

J. OTOLOGY.—*President*, George P. Field, M.R.C.S. *Vice-Presidents*, Frederick Morrish Pierce, M.D. ; Henry Bendelack Hewetson, M.R.C.S. *Honorary Secretaries*, Adolf Bronner, M.D., 33, Manor Row, Bradford ; G. William Hill, M.B., 24, Wimpole St., W.

The following subjects are proposed for formal discussion :

1. The Causes, Varieties, and Treatment of Osseous Growths of the Ear.
2. The Influence of Diseases of the Nose and Pharynx on Affections of the Middle Ear.
3. The Diagnosis, with Special Reference to Localisation, of Intracranial Lesions the result of Aural Disease.

The first of these discussions will be opened by the President, Mr. G. P. Field, the second by the Vice-Presidents, Dr. F. M. Pierce and Mr. H. B. Hewetson, and the third by Mr. Cumberbatch and Dr. William Macewen, of Glasgow ; Dr. Hughlings Jackson, Dr. Broadbent, Professor Ferrier, and Professor Horsley will probably speak on the latter subject.

The following otologists have also intimated their intention of joining in one or more of the discussions : Clarence J. Blake, M.D. (Boston, U.S.A.), Professor Urban Pritchard, M.D. (London), H. Macnaughton Jones, M.D. (London), J. Dundas Grant, M.D. (London), W. R. H. Stewart, F.R.C.S.Ed. (London), Donald Stewart, M.D. (Nottingham), Dr. Charles Warden (Birmingham), Mr. Lennox Browne, G. J. Mackesy, M.B., W. L. Mackesy, M.B., J. Erskine, M.B. (Glasgow), and Mr. Richard Williams.

The following further papers are announced :

- BARR, Thomas, M.D. (Glasgow). On Non-operative Treatment of Aural Exostoses, and will show Sections of Temporal Bones from Cases of Intracranial Disease illustrative of the various directions by which Disease of the Middle Ear may extend to the Interior of the Cranium.
- BRONNER, Adolf, M.D. (Bradford). Notes on the Use of Menthol in the Local Treatment of Diseases of the Middle Ear ; and will show (1) a Catheter for the Injection of Fluids, and (2) a Capsule for the Introduction of Vapours into the Middle Ear.
- COUSINS, J. Ward, M.D. (Portsmouth). On a New Antiseptic Ear Drum. (Specimen shown.)
- DALBY, Sir Wm., M.B. (London), and SHEILD, Marmaduke, M.B. (London). On Treatment of Aural Exostoses.
- DAVIS, Henry, M.R.C.S. (London). On the question of Anæsthetics in Operations for Adenoid Growths of the Naso-Pharynx.
- ELLIS, Richard, F.R.C.S.Ed. (Newcastle). On an Osseous Growth of the Auditory Meatus simulating a Foreign Body and Causing Deafness. (Removal with restoration of hearing. Specimen.)
- GUYE, Professor (Amsterdam). On Aprosexia, being the inability to fix the attention, and other allied troubles in the cerebral functions caused by nasal disorders.
- HARTLEY, R. N., M.B. (Leeds). Abscess of Right Temporo-Sphenoidal Lobe following Old Middle Ear Disease. (Trephined and drained : Recovery : Patient Shown.)
- HILL, William, M.B. (London). On some Causes of Backwardness and Stupidity in Children ; and will show Intranasal Guards for the Safer application of Chromic Acid to the Nasal Cavities.

- LEE, Charles G., M.R.C.S. (Liverpool). A case of Cerebral Tumour Complicated with Symptoms of Acute Otitis.
- LEES, David B., M.D. (London). On the connection between Aura Disease and Meningitis in Children.
- MATHESON, Farquhar, M.B. (London). On some Subject connected with Deaf-Mutism.
- NUNNELEY, John A., M.B. (Leeds).
- POLITZER, Professor, M.D. (Vienna) (per Mr. G. Stone, Liverpool). On Osseous Growths of the Ear. (With Specimens.)
- STONE, George, L.R.C.P. & S., Ed. (Liverpool). A Case of Severe Unilateral Tinnitus due to Stricture of the Eustachian Tube cured by Persistent Bougieing.

SECTION K.—PHARMACOLOGY AND THERAPEUTICS.

(CLASS ROOM 10, SCHOOL OF SCIENCE.)

K. PHARMACOLOGY AND THERAPEUTICS.—*President*, Sir William Roberts, M.D., F.R.S. *Vice-Presidents*, T. Cranstoun Charles, M.D.; I. Burney Yeo, M.D. *Honorary Secretaries*, John B. Hellier, M.D., 1, De Grey Terrace, Leeds; Dawson Williams, M.D., 25, Old Burlington Street, W.

The proceedings of the Section will be opened at 10 a.m. on Wednesday, August 14th, by an address by the President, on Certain Practical Points in the use of Antacid Remedies in Dyspepsia and Gravel.

At 10.30 a.m., a discussion on Hypnotics and Analgesics, with special reference to remedies recently introduced, namely, Paraldehyde, Hypnone, Amylene Hydrate, Methylal, Sulphonal, will be opened by Dr. D. J. Leech, Professor of Therapeutics in the Victoria University, Manchester. Dr. Charteris, Professor of Therapeutics in the University of Glasgow, Sir J. Crichton Browne, Dr. W. H. Broadbent, Dr. Frederick Needham (Gloucester), Dr. Macnaughton Jones, Dr. T. Cranstoun Charles, and Dr. John Gordon (Aberdeen) have signified their intention of taking part in the discussion.

At 10 a.m. on Thursday, August 15th, a discussion on Foods for Invalids and Infants will be introduced by Dr. Burney Yeo, and Dr. Sidney Martin. Dr. E. D. Mapother, Dr. T. Cranstoun Charles, Mr. R. W. Parker, and Dr. S. McBean (Newcastle) will take part in the discussion.

The following papers have been promised :

- CHARLES, T. Cranstoun, M.D. (London). 1. The Hot-air Treatment of Pulmonary Consumption. 2. Some Cases of Diabetes. 3. Notes on the use of Paraguay Tea. 4. On Ichthyol.
- CHARTERIS, Professor M., and MACLENNAN, W., M.B. Experimental Research on the General Comparative Action of the Natural and Artificial Salicylic Acids and their Salts of Sodium.

- CROCKER, H. Radcliffe, M.D., on Anthrarobin and the Soziodols in the Treatment of Skin Diseases.
- GORDON, John, M.D. (Aberdeen). On the Pharmacology of Urethane.
- GREENE, G. E. J., L.K.Q.C.P.I. (Wexford). *Lychnis Flosculi* in Renal and Vesical Affections.
- HAIG, A., M.A., M.D. The influence of Opium and Morphine on Uric Acid considered with reference to the Action in Health and Disease.
- ILLINGWORTH, C. R., M.D. (Accrington). The Therapeutics of the Biniodide of Mercury.
- MURRAY, W., M.D. (Newcastle-on-Tyne). On the Removal of Renal Calculi by Toxic Doses of Belladonna.
- PEARSE, T. F., M.R.C.P., M.R.C.S. On the Use and Abuse of Soap.
- SOLLY, Samuel E., M.R.C.S., L.S.A. (Colorado Springs). On the Climate of Colorado.
- WOODS, Hugh, M.D. (Highgate). The Oxyiodides of Calcium and Bismuth.
- YEO, I. Burney, M.D. (London), and SCHETCLIG, Arnold, M.D. (Nervi). On the Treatment of Phthisis by Hypodermic Injection of Guaiacol.

British Medical Association.

REGULATIONS FOR THE CONDUCT OF ANNUAL GENERAL MEETINGS OF THE BRITISH MEDICAL ASSOCIATION.

General Control of Meeting.

1. The programme of the Annual General Meeting shall be under the control of the Council. The following Regulations shall guide the Committee of Arrangement and any local Committee that may be formed :--

Necessity of Limiting the Expenditure.

2. The gradual and constant increase of the Members of the British Medical Association renders it expedient to express the strong opinion of the Council that the medical men of the locality at which the Association holds its Meeting should not deem it necessary to incur a large expenditure, as otherwise the choice of a place of meeting must be more and more limited to the larger towns of the kingdom.

Annual Dinner.

3. The Annual Dinner shall be under the control of the Council.

Papers to be read at Meeting.

4. All Papers intended to be read at the Annual Meeting shall be forwarded, together with an Abstract, to the Secretaries of Sections ten days before the Annual Meeting takes place, excepting the Addresses of the Presidents of Sections or the Addresses to be delivered in General Meeting.

Directions for Sections.

5. The Presidents, Vice-Presidents, and Secretaries of Sections shall form a Committee of Reference, with power to accept, decline, or postpone any Paper, and to arrange the order in which the Papers shall be read.

Grouping of Papers for Discussion.

6. The Papers in each Section shall, as far as possible, be grouped together, so as to ensure a general discussion on kindred subjects.

Length of Time to be occupied by Papers or Speeches.

7. No communication shall occupy more than fifteen minutes, and no person shall be permitted to speak more than once or for more than ten minutes during the discussion thereon.

Resolutions at Annual Meetings.

8. No Motion shall be brought forward at the Annual Meeting unless it has been proposed by the Council or a Committee of the Association, or notice of the same shall have been given on the previous day, in writing, to the General Secretary, to be entered on the Agenda of the day and printed in the Daily Journal. This does not apply to Amendments moved in due form.

Meeting of Council.

9. The Council of the Association shall meet on the first day of the Annual Meeting, and the First General Meeting of the Association shall be held in the evening.

Reports of Committee.

10. All Reports of Committees of the Association shall be printed in the JOURNAL before the Annual Meeting.

List of Members

EXPECTED TO BE PRESENT AT THE MEETING.

- Abraham, Phin. S., M.D., 11, Nottingham Place, London, W.
 Althorp, C. F. M., Bradford Infirmary.
 Anderson, A., Mirfield.
 Anningson, J. W., Burnley.
 Appleby, F. H., Barnbygate House, Newark.
 Arlidge, J. T., M.D., F.R.C.P., The High Grove, Stoke-on-Trent.
 Arthur, David, M.B., New Galloway, N.B.
 Ashby, Henry, M.D., 13, St. John Street, Manchester.
 Atkins, Ringrose, M.D., District Lunatic Asylum, Waterford.
- Bartrum, John G., F.R.C.S., J.P., Mr. Ryder's, Gledhow Hill, Leeds.
 Balkwill, Wm. Edward, 14, Old Cavendish Street, London, W.
 Bailey, T. Ridley, M.D., Bilston.
 Baker, J. Wright (late of Southport), 101a, St. Alban's Road, Watford,
 Herts.
 Balding, D. B., Royston, Cambs.
 Bampton, A. H., M.D., Brookfield, Ilkley, Yorkshire.
 Barlow, John, M.D., F.R.C.S., Eng., 27, Elmbank Crescent, Glasgow.
 Barr, John, M.B., Willow Grange, Rishton, Blackburn.
 Barr, Thomas, 7, Albany Place, Glasgow.
 Bateman, Francis, Whitchurch (Oxon.), Nr. Reading.
 Beck, Fred E., F.R.C.P., Edin., Fitzroy House, Botanic Avenue, Belfast.
 Bernard, Walter, 14, Queen Street, Londonderry.
 Beverley, W. H., 13, Albion Road, Scarborough.
 Biden, Charles Walter, 15, Virginia Road, Leeds.
 Bickerton, Thomas H., 88, Rodney Street, Liverpool.
 Birt, Cecil, Surgeon, M.S., Barracks, York.
 Blackman, J. G., M.D., Portsmouth.
 Blair, Robert, M.D., Anglesey House, Goole.
 Blore, Isaac, M.D., Cheetham Hill, Manchester.
 Boynton-Lee, F. B., Liversedge.
 Bond, Frederick F., M.D., Rastrick.
 Booth, P. L., M.R.C.S., 14, Hartington Street, Barrow-in-Furness.
 Brett, Wm. G., 5, Albion Street, Hull.
 Bradbury, J. B., 3, St. Peter's Terrace, Cambridge.
 Brereton, J. B., Gildersome, Yorks.

- Bristowe, J. S., 13, Old Burlington Street, London.
 Broadbent, W. H., 34, Seymour Street, Portman Square, London, W.
 Broadbent, S. W., Dalton-le-Dale, Sunderland.
 Browne, Lennox, F.R.C.S., 36, Weymouth Street, London, W.
 Broom, John, M.D., St. Paul's Road, Clifton.
 Brookhouse, J. O., 1, East Circus Street, Nottingham.
 Browne, Dr. Wm. Henry, Wentworth House, Aldbrough, Hull.
 Brown, George, 29, Threadneedle Street, London, E.C.
 Browne, J. Walton, 10, College Square, North Belfast.
 Burke, W. H., M.B., &c., Indian Medical Service, c/o Grindlay & Co., 55,
 Parliament Street, London.
 Buchanan, Hugh Dryden, M.B., Kirkgate, Thirsk.
 Buck, Chas. W., Settle, Yorkshire.
 Bury, Dr. Judson S., 20, St. John Street, Manchester.
 Bussin, Wm. A., York.
- Campbell, Samuel James, Winchcombe, Gloucestershire.
 Carter, Wm. R., Rastrick, Yorks.
 Carter, Godfrey, "Carrcroft," Ilkley.
 Carter, D'Arcy B., Victoria Park, Shipley.
 Carr, Dr. J. A., Highfield House, Kippax, near Leeds.
 Chambers, Herbert W., Cottingham, near Hull.
 Chadwick, C. M., M.D., 3, Park Square, Leeds.
 Chapman, T. A., Firbank, Hereford.
 Child, Herbert, 8, Monks Road, Lincoln.
 Clark, Robert, L.R.C.P., &c., Lancaster.
 Clemow, Arthur H. Weiss, M.D., 2, Talgarth Road, West Kensington,
 London, W.
 Coats, Joseph, M.D., 31, Lyncedoch Road, Glasgow.
 Cocking, W. T., 277, Glossop Road, Sheffield.
 Cockburn, Surgeon-General R., 83, Seymour Street, Hyde Park, W.
 Coldstream, Alexander R., M.D., 24, Lung Arno Nuovo, Florence.
 London Address, 40, Belsize Square, N.W.
 Collier, S. R., M.D., Clarence Villa, Hartfield Road, Wimbledon, S.W.
 Collier, T., Ripon.
 Corbin, M. A. Bazille, Guernsey.
 Cosgrave, Alex., Bradshaw Brow, The Oaks, Bolton-le-Moors.
 Cousins, J. Ward, M.D., Portsmouth. Address at Leeds, Great Northern
 Hotel.
 Cornish, W. Robt., Surgeon-General, C.I.E., F.R.C.S., 8, Cresswell
 Gardens, South Kensington, S.W.
 Court, W., 17, Folds Road, Bolton.
 Crew, John (President South Midland Branch), Higham Ferrers.
 Crespi, Alfred J. H. (Edinburgh and Quarterly Reviewer), Cooma, Poole
 Road, Wimborne.
 Crocker, James, Bingley.
 Crease, J. Robertson, 2, Ogle Terrace, South Shields.
 Crowe, G. W., 43, Foregate Street, Worcester.
 Cullingworth, Chas. J., M.D., 46, Brook St., Grosvenor Sq., London, W.

- Dancy, H. M., Southwell, Notts.
 Davis, Maurice, 11, Brunswick Square, W.C.
 Davis, Henry, 60, Queen Anne Street, W.
 Davison, James, M.D., Bournemouth, Hants.
 Davidson, Wm., Holme-on-Spalding Moor, Yorkshire.
 Dawson, Cautley, Rawdon, nr. Leeds.
 Dempsey, Alexander, M.D., Belfast.
 Dewar, John, 132, Sloane Street, S.W.
 Deville, Titus, M.D., Harrogate.
 Dix, I., 25, Albion Street, Hull.
 Douglas, William Thomas, Banbury, Oxford.
 Doran, Alban H. G., 9, Granville Place, Portman Square, London, W.
 Douglas, Claude, 12, New Walk, Leicester.
 Down, Langdon J., M.D., F.R.C.P., 81, Harley, Street, London, W.
 Dowse, Thomas Metch, 14, Welbeck Street, London.
 Drake, Francis H., Headingley.
 Drury, Arthur, M.B., C.M., Landon House, Halifax.
 Draper, William, M.R.C.S., &c., De Grey House, York.
 Drew, Arthur J., 62, St. John Street, Oxford.
 Drummond, Edward, M.D., 3, Piazza di Spagna, Rome, (present address)
 27, Trafalgar Square, Scarborough.
 Duke, Alexander, 17, Upper Mount Street, Dublin.
 Dukes, Clement, Sunnyside, Rugby.
 Dunn, Hugh Percy, 11, Nottingham Place, W.
 Duncan, James, M.B., Cleland.

 Eastes, Thomas, 3, Shakespeare Terrace, Folkstone.
 Eastwood, J. W., M.D., Edin. M.R.C.P., Lond., J.P., Dinsdale Park, near
 Darlington.
 Eames, Thos. Boles, Barnfield House, Stoneclough, near Manchester.
 Eccles, A. Symons, 34, Leinster Square, W.
 Eddison, Dr. J. E., M.D., Park Square, Leeds.
 Elliott, J. T., Elebron, Smithborough, Co. Monaghan.
 Erskine, James, M.A., M.B., 6, Newton St., Charing Cross, Glasgow.

 Farrar, J., M.D., Gainsborough.
 Farrow, Frederick, Brooke Street, Cleckheaton.
 Fegan, Richard, M.D., Westcombe Park, Blackheath, S.E.
 Felce, Stamford, M.R.C.P.E., Kenmure Lodge, Elgin Avenue, W.
 Fletcher, F. A. Champion, Cross Hills, via Keighley.
 Foster, J., Horton Lane, Bradford.
 Foss, R. W., M.D., Stockton-on-Tees.
 Fox, R. Hingston, M.D., 43, Finsbury Circus, E.C.
 Fryer, John, Batley Carr, Dewsbury.

 Galton, John H., Chunam, Sylvan Road, Norwood, S.E.
 Geddie, Wm., M.D., Accrington.
 Gibson, James, West Vale, Near Halifax.
 Gillies, James, 5, The Crescent, Selby.

- Gerding, John Callender, Alanburg, Cheltenham.
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 Goff, Bruce, M.D., Bothwell, Lanarkshire.
 Godfrey, Frank, M.A., 4, Pavilion Square, Scarborough.
 Goolhart, James F., 25, Weymouth Street, Portland Place, W.
 Goodwin, Arthur Geo., 137, Kensington, Liverpool.
 Goss, T. Biddulph, 1, Circus, Bath.
 Goyder, David, M.D., 88, Great Horton Road, Bradford, Yorks.
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 Graham, William, M.D., Middleton, near Manchester.
 Grimshaw, Thomas W., Prinsland, Carrickmines, Co. Dublin.
 Granger, F. M., Chester.
 Gramshaw, F. Sidney, Stillington, Easingwold, Yorks.
 Grange, J. W., M.D., Hope Villas, Kersal, Manchester.
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 Hall, Wm., Moorham, Headingley, Leeds.
 Hall, J. G., Swansea, South Wales.
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 Handcock, George, 178, Chapeltown Road, Leeds.
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 Hardey, E. P., 80, Spring Bank, Hull.
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 Harman, Wm. Morton, B.A., M.D. Univ. Dub., F.R.C.S.I., Winchester.
 Hackney, John, M.D., Hythe, Kent.
 Harrison, Charles, M.D., Lincoln.
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 Hern, John, M.D., &c., Darlington.
 Henderson, John, M.B., Hutton Buscel, York.

Hebblethwaite, Harold, Burley-in-Wharfedale.
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 Holman, C., M.D., Treasurer Brit. Med. Assoc., Reigate.
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 Horne, J. Fletcher, Barnsley.
 Hunter, William, M.D., M.R.C.P., etc., St John's College, Cambridge.
 Humphreys, J. R., Shrewsbury.
 Hunter, Lovell Wm., Pudsey.
 Hunter, Wm. Lovell, Pudsey.
 Hunter, W. B., M.D., Londonderry.
 Hunt, De Vere, Westbourne Crescent, Sophia Gardens, Cardiff.
 Hutchinson, Chas. F., M.D., May Lodge, Scarborough.

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Joll, Boyd B., M.B.Lond., Woolton, Liverpool.

Jowers, Fred. W., 27, Old Steyne, Brighton.

Job, Samuel, Newark.

Johnston, Samuel, 47, Barkerend Road, Bradford.

Johnston, John Somerville, Somerville House, Sheffield.

Johnson, Samuel, M.D., Stoke-upon-Trent.

Jones, Evan, Aberdare, S. Wales.

Jones, T. G. M., M.D., F.R.C.S., E., Grosvenor Lodge, Wrexham, N.W.

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Kenyon, John E., 21, Park Lane, Little Horton, Bradford.

Kemble, A. C., Worthen, Salop.

Keyworth, G. H., M.B., Wem, Shropshire.

Keay, Joseph H., M.A., M.B., 64, Albert Road, Colne, Lancs.

Kemp, Benjamin, Horbury, Wakefield.

Kerr, Norman, M.D., 42, Grove Road, Regent's Park, London, N.W

- Keser, J., M.D., Sub-Editor of the *Semaine Médicale*, 11, Harley Street, London, W.
- Kidd, Abraham, M.D., F.R.C.S.I., Ballymena, Ireland.
- Knaggs, Samuel, Huddersfield.
- Knaggs, Lawford R., 26, Ramsden Street, Huddersfield.
- Knight, John Henry, Brooklands, Rotherham.
- Lamb, George, Balmoral House, Hull.
- Lawrence, Laurie A., 35, Mousfield Gardens, N. W.
- Leary, Thos., M.D., Castleberg, Co. Tyrone.
- Leak, T. Mallorie, The Cedars, Hemsworth, near Pontefract.
- Littlewood, Hy., General Infirmary, Leeds.
- Libbey, Henry C., Lightcliffe.
- Little, David, St. John Street, Manchester.
- Lindsay, James Alex., M.A., M.D., 37, Victoria Place, Belfast.
- Longford, Henry, Ingram House, Thirsk, Yorks.
- Lord, Richard, M.D., 4, St. Ann's Villas, Notting Hill, London.
- Lothouse. Dep. Surgeon-General, M.D., 3, Harrington Mansions, Queen's Gate, South Kensington, London.
- Lowther, Richard, M.D., Fernleigh, Grange-over-Sands.
- Lucey, William Cubitt, M.D., The Elms Enfield, Middlesex.
- Lyon, Walter, M.D., Houghton-le-Spring.
- Lynch, J. Roche, 8, Boyne Terrace, Notting Hill, London, W.
- Mantle, Alfred, M.D., Stanley, Durham.
- Margetson, William Ed., Dewsbury.
- Martin, Dr. Sidney, 10, Mansfield Street, Cavendish Square, London, W.
- Marshall, W. L. W., 26, New North Road, Huddersfield.
- Marshall, Benjamin, L.R.C.P., L.R.C.S., Chapel House, Atherton, Lanc.
- Martin, W. Y., M.D., F.R.C.S., Walkden, Near Bolton.
- Mackinlay, Robert, Market Street, Lichfield.
- Martin, J., F.R.C.S., Ed., 1, York Place, Huddersfield.
- Mapother, E. D., 32, Cavendish Square, London. For the Wednesday and Thursday only.
- Masters, John Alfred, L.R.C.P. Lond., M.R.C.S. Eng., Westall House, Brook Green, W. Metrop. Counties Branch.
- Mason, W. H., Mario Street, Dewsbury Road, Leeds.
- May, John Henry Square, Melford House, Plymouth.
- McDowall, T. W., M.D., County Asylum, Morpeth.
- McAler, Jno., M.D., Darfield.
- MacNamara, P. J., M.D., F.R.C.S., I., Adelaide Place, Bruff, Ireland.
- MacDowell, Charles, M.D., T.C.D., Otter Holt, Carlow.
- Macvie, Adam, M.D., Baildon, Yorks.
- MacGregor, P., Huddersfield.
- MacGregor, Alexander Gibson, Canisbay Wick, Caithness, N.B.
- Mackenzie, William G., Richmond Terrace, Belfast.
- McNab, John, M.D., F.R.C.S., E., Obbe, Portree, N.B.
- Macarthur, Peter, M.B., Grey Abbey, Co. Down.
- Macleod, M. D., M.B., Beverley.

- MacDonald, Peter William, M.D., The County Asylum, Dorset.
 McJannet, F. M., M.B., Middlewich, Cheshire.
 Macnaughton, Wm. A., Walker-on-Tyne.
 McNaught, Fred J. L.R.C.S.I., L.R.Q.C.P.I., Waltham-le-Willows,
 Bury St. Edmunds.
 Medwin, A. G., M.D., F.L.S., &c., 34, Bruton Street, Berkeley Square, W.
 Menzies, J. Herbert, 1, Gwendior Road, W.
 Milne, J. Black, The Infirmary, Dewsbury.
 Milne, Alex., c/o Dr. Lee, Dewsbury.
 Milburn, C. H., M.B., South Boulevard House, Hull.
 Mitchell, C. A., Eightlands Road, Dewsbury.
 Moore, Surgeon-General Sir William, K.C.I.E., 15, Portland Place,
 London, W. On 12th, Queen's Hotel, Leeds.
 Morrison, J. Holmes, M.D., F.R.C.S., 17, Marshall Place, Perth.
 Morgan, Fredk., Uffculme, Cullompton, Devon.
 Money, Angel, M.D., F.R.C.P., 24, Harley Street, London, W.
 Mead, George B., M.D., Mentmere House, Newmarket, Suffolk.
 Morris, Edwin, M.B., F.R.C.S., Spalding, Lincolnshire.
 Mockett, G. I., Cannonbury House, Tyldesley, nr. Manchester.
 Murray, James, H.M. Prison, Wakefield.
 Mumby, B. H., Portsmouth.
- Nairne, J. Stuart, F.R.C.S., Ed., 176, West Regent Street, Glasgow.
 Newton, George, Dukinfield Lodge, Dukinfield, Cheshire.
 Nelson, Joseph, M.D., 2, Glengal Place, Belfast.
 Nuttall, R., M.R.C.S., Bank House, Bradford.
 Nunneley, J. N., M.B., 22, Park Place, Leeds.
- Oakley, John, Holley House, Halifax.
 O'Brien, Russell, M.D., 46, Upper Baker Street,
 O'Callaghan, Robert, F.R.C.S., Carlow.
 O'Callaghan, Matthew Quinn, Brailsford, nr. Derby.
 O'Sullivan, D. A., Oak Mount, Burnley, Lancashire.
 O'Dwyer, Brigade-Surgeon T. F., Medical Staff, Cowper Road, Harpenden,
 Herts.
- Oliver, Thomas, M.D., Newcastle-upon-Tyne.
 O'Neill, Henry, M.D., etc., 6, College Square East, Belfast.
 Oswald, James W. J., M.D., 245, Kennington Road, London, S. E.
- Parke, Charles J., St. Kilda, Brakspears Road, Brockley, S. E.
 Paley, Wm., M.D., M.R.C.P., Yore Bank, Ripon.
 Page, John F. Le, M.D., 17, The Crescent, Salford.
 Parsons, Francis, M.D., West Worthing.
 Parsons, John, 56, Westgate, Burnley, Lancashire.
 Parsons, Charles, M.D., Dover.
 Page, Wm. Irving, Wimbledon Common.
 Partington, William, Lennox House, Tunstall.
 Peeke, Harold S., Surgeon, M.S., Barracks, York.
 Pearcey, James J. W., 15, Avenue Parade, Accrington.
 Peart, Robert S., M.D., North Shields.

- Penny, J. C., M.D., Deputy Surgeon-General, Glen Cavin, Kew Gardens.
 Percival, Thomas, Ash Grove, Knottingley.
 Pearse, William, South Tudy, Rodmin.
 Philipps, Sutherland Rees, M.D., St. Ann's Heath, Virginia Water.
 Philpots, Harris (Birkenhead), Albany House, Ilkley.
 Philipson, George Hare, M.D., 7, Eldon Square, Newcastle-upon-Tyne.
 Poole, Geo. K., M.D., Surgeon-Major, Upper Norwood, London.
 Pogson, Wm., The Grange, Seacroft.
 Pope, Harry Brougham, Kington, Herefs.
 Porritt, Norman, Huddersfield.
 Pope, Edward, M.R.C.S., Eng., Tring, Herts.
 Powell, Scudamore, M.D., 7, Thayer Street, Manchester Square, W.
 Preston, Francis H., Winslow House, Cavendish Road, Bournemouth.
 Purdy, James Robert, M.D., Oulton, near Leeds.
 Pye-Smith, P. H., M.D., 54, Harley Street, London.
- Rawson, Edwin E., Physician and M.O.H., Thornton, near Bradford.
 Rattray, J. M., M.B., Frome, Somerset.
 Rentoul, Robert Reid, 78, Washington Road, Liverpool.
 Rhodes, Geo. W., 1, Queen Street South, Huddersfield.
 Richardson, William James, 61, Queen Street, Keighley.
 Ridge, J. J., M.D., Carlton House, Enfield, Middlesex.
 Rigby, W. B., 723, Hyde Road, Gorton, Manchester.
 Ricketts, James, Ashgarth, Pannal Ash, Harrogate.
 Richards, Jonh E., L.R.C.P., 45, Bradford Road North, Huddersfield.
 Richards, J. Peeke, The County Asylum, Hanwell, W.
 Ringwood, John, Kells, Co. Meath, Ireland.
 Ritchie, Thomas, Romagna House, Otley.
 Routh, C. H. N., M.D., 52, Montagu Square, London, W.
 Robson, Herbert J., Hillary Place, Leeds.
 Roberts, Arthur, Keighley.
 Robson, A. W. Mayo, F.R.C.S., Leeds.
 Robinson, Mark, Surgeon-Major, I.M.D., Carleton Road, Pontefract.
 Robinson, John, Frodsham, Cheshire.
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 Rowe, G. Herbert, Hillary Place, Leeds.
 Rowley, Charles Octavius, Church Street, Barnsley.
 Ruttle, R., Accrington.
 Rugg, George Philip, M.D., Stockwell Villa, Clapham Road, London, S.W.
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 water.
- Sandwith, F. M., Savile Club, W.
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 Sharples, Thomas, Dardsley, Lostock Hall.

- Shives, John, M.D., Liversedge.
 Shuttleworth, G. E., M.D., Royal Albert Asylum, Lancaster.
 Sherburn, John, Town Hall, Hull.
 Sibley, W. Septimus, 7, Harley Street, London, W.
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 Snell, Simeon, 17, Eyre Street, Sheffield.
 Solly, S. E., M.D., M.R.C.S., Delegate from the American Medical Association, Colorado Springs, Col., U.S.A. (Chiselhurst, Kent.)
 Stevenson, Robert, Rothwell, Leeds.
 Sutton, Frederick, Willingham-by-Stow, Gainsborough.
 Sibthorpe, Brigade-Surgeon C., I.M.S., 36, Up Leeson Street, Dublin.
 Sinclair, C. F., Horsforth.
 Sjordet, James Lewis, Mentone, Alpes Maritimes, France (in winter);
 10, Crossbeck Road, Ilkley (*pro temp.*)
 Smailes, T., Hawthorn House, Honley.
 Smith, Solomon C., M.D., Halifax.
 Smith, Dr. Robert, Durham County Asylum, Sedgefield.
 Smith, P. Caldwell, M.A., M.D., D.P.A.Camb., Cadmor, Motherwell, N.B.
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 Tubby, Alfred H., 63, Studley Road, Clapham, S.W.
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 Wallis, John A., County Asylum, Whittingham, Preston.
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 White, Joseph, Oxford Street, Nottingham.
 White, Sinclair, Brookhill, Sheffield.
 Wheelhouse, C. G., F.R.C.S., Hillary Place, Leeds.
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 Wiglesworth, Joseph, M.D., Rainhill, Prescott, Lancs.
 Williams, Walter T., King's Witton, Banbury.
 Winkfield, Alfred, 26, Beaumont Street, Oxford.
 Wilkinson, Auburn, M.D., Tynemouth, Northumberland.
 Williams, Dawson, M.D., 25, Old Burlington Street, London, W.
 Wiseman, J. G., Ossett, near Leeds.
 Wilson, Thomas, Salisbury House, Wallsend-on-Tyne.
 Wigin, George W., Methley, Leeds.
 Wood, Francis Henry, Arundel House, Wakefield.

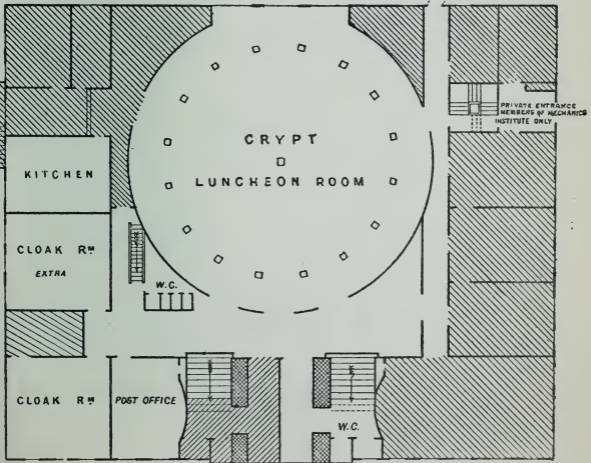
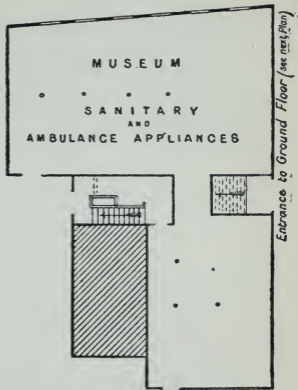
Wood, Dr. C. A., 52, Woburn Place, Russell Square, London, W.C.
Wood, Arthur, Kirby Moorside.
Woods, Hugh, M.D., Highgate.
Wray, Charles, F.R.C.S., Eng., North End, Croydon, Surrey.
Wright, Chas. J., Lynton Villa, Leeds.
Wright, C. G., Virginia Road, Leeds

Yelf, Robert E. B., Moreton-in-Marsh, Glos.
Yellowlees, D., M.D., Royal Asylum, Gartnavel, Glasgow.
Young, George Wm., East Ardsley, Wakefield.

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SCHOOL OF SCIENCE.

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W.C.

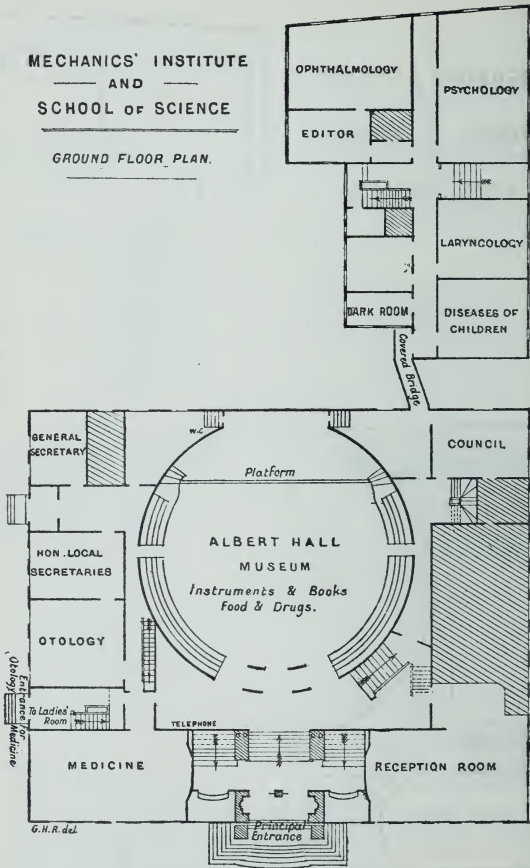


MECHANICS' INSTITUTE
AND
SCHOOL OF SCIENCE

GROUND FLOOR PLAN.

V E R N O N S T R E E T

R O S S I N G T O N S T R E E T

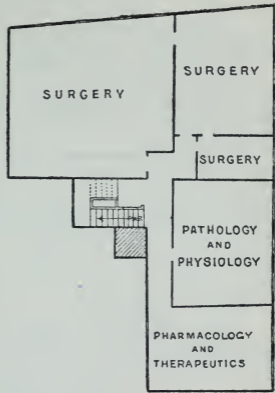


G.H.R. del

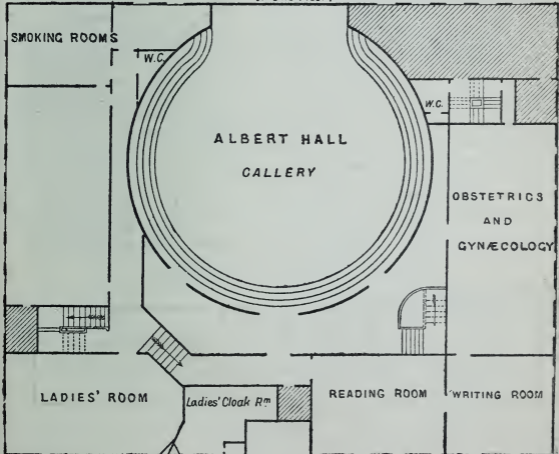
C O O K R I D G E S T R E E T

MECHANICS' INSTITUTE
AND
SCHOOL OF SCIENCE

FIRST FLOOR PLAN



N. B. There is no connection between the two buildings on this Floor.



G.H.R. del.

“VINOLIA” SOAP.

CONTAINS FREE FAT INSTEAD OF FREE ALKALIES.

From the “Illustrated Medical News.”

“It is well-known that the use of some soaps, owing to the excess of alkali they contain, do not agree with many skins, more especially in infancy, in females, and when they are irritated or inflamed. It was a decidedly happy idea to incorporate cream in ‘Vinolia’ Soap, and the result is a decided success, as we can testify from a prolonged trial of the article. The great feature of ‘Vinolia’ Soap is that it contains, instead of some free alkali, an excess of the plastic emollient cream, and thus embodies the principle introduced in recent years of a superfatty soap; consequently it is beautifully emollient and softening to the skin, and most soothing in many slightly inflamed conditions. Everyone knows, for instance, what a difficult problem it is to cleanse inflamed skin on the hands without setting up irritation. It lathers well, and altogether is most agreeable. For those who are interested in the subject of shaving, we add, try ‘Vinolia’ Soap.”

From the “London Medical Recorder.”

“‘Vinolia’ Soap may be used even for the most irritable skin without the risk of producing excoriation, &c. It is highly spoken of by leading authorities for skin affections and tender skins.”

From the “Hospital Gazette.”

“Medical men often have occasion to forbid the use of soap in certain irritable conditions of the skin, on account of the damage inflicted on sensitive tissues. It is obvious that, however necessary, the inability to use soap entails considerable discomfort, and one is therefore disposed to welcome a product in which the primary source of the irritation—the excess of caustic alkali—has been overcome by a special process of manufacture. We have tried ‘Vinolia’ Soap, and can certify that it is bland and unirritating, even to the most delicate skin. The alkali in the soap being neutralised by an adequate provision of fatty base, it does not deprive the skin of its natural fat, but acts rather as a lubricant, leaving it soft and pliable. We may observe in parenthesis that it is altogether a false economy to employ an inferior product. Apart from the medical aspect of the question, it should be borne in mind that hard, well-milled soaps, in which the proper proportions of the various components have been carefully provided, lather better and last longer than products in the manufacture of which less care or less skill has been shown. We can confidently assert that for toilet purposes we have never seen ‘Vinolia’ Soap surpassed.”

EVIL EFFECTS OF SOAPS.

“VINOLIA” SOAP differs from other Soaps, which harm the skin by reason of their free soda or potash, inasmuch as it contains, instead of free soda or potash, some unsaponified plastic emollient cream; it cleanses admirably, while the presence of the emollient cream prevents the alkali from, by any possibility, attacking the skin, extracting the oil, and thereby hardening and weakening this tissue, and rendering it liable to blotches, wrinkles, duskiness, and premature decay. The drying, deleterious action of ordinary soaps upon the hair and scalp is easily perceived after shampooing with them. “Vinolia” Soap lathers beautifully, and is the only Soap for skin treatment, shaving or shampooing, or for the toilet, nursery, and bath. Prices:—“Vinolia” (for Eczema, Pruritus, &c.), 1s. 9d. and 6s. “Vinolia” Soap (Toilet), 2s. 6d. per box of Three Tablets.

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British Medical Association.

FIFTY-SEVENTH ANNUAL MEETING,

LEEDS, 1889.

Daily Journal.

No. 2.

Wednesday Morning, August 14th.

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All communications intended for this Journal should be sent marked Editor "Daily Journal," and must be in the Editor's hands before five o'clock the previous evening.

THE IDEAL FORM OF COD-LIVER OIL.

“Patients unable to tolerate the purest and most carefully prepared Cod-Liver Oil can readily digest and assimilate it when combined with Maltine.”—*British Medical Journal*.

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An Address in Medicine will be delivered by J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S., Physician to the London Hospital, and to the National Hospital for Paralysed and Epileptic, Queen Square, W.C.

An Address in Surgery will be delivered by T. PRIDGIN TEALE, M.B., F.R.C.S., F.R.S., Consulting Surgeon to the Leeds General Infirmary, Leeds.

An Address in Psychology will be delivered by SIR J. CRICHTON BROWNE, M.D., LL.D., F.R.S., Lord Chancellor's Visitor in Lunacy, London.

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Local Officers' Badges.

The Sectional Secretaries and Local Officers will wear Badges, thus:—

GREEN—*Secretaries of Sections*, with the initial letters of their respective Sections—Medicine (M.), Surgery (S.), Obstetrics, &c. (O.), Public Medicine (P.M.), Psychology (Psy.), Pathology and Physiology (P.P.), Ophthalmology (Oph.), Diseases of Children (C.), Laryngology (L.), Otology (Ot.), Pharmacology and Therapeutics (P.T.)

BLUE—*Secretaries of Sub-Committees*—Reception (R.), Soirée (S.), Dinner (D.), Hotel and Lodgings (H.L.), Excursions (E.), Museums (M.), and Sections (Ma.), (Mb.), (Mc.), (Md.), (Me.) respectively. The Stewards to the Conversazione and Dinner, and the gentlemen in charge of the various Excursions, will also wear Badges.

RED— { *Honorary Local Secretaries* (Hon. Sec.)
 { *Honorary Local Treasurer* (T.)

General Arrangements.

All General Meetings of the Association will be held in the Coliseum, in Cookridge Street, and the Public Medicine Section will meet at the Philosophical Hall, in Park Row. With these two exceptions, the whole of the work of the Meeting will be done in the Mechanics' Institute and adjoining School of Science.

THE RECEPTION ROOM

Will be found by turning to the right on entering the Mechanics' Institute by the principal door in Cookridge Street. It will be open on Monday, August 12th, from 12 o'clock noon until 8 p.m., and during the rest of the Meeting from 9 a.m. to 6 p.m.

POST AND TELEGRAPH OFFICE.

TELEGRAPHIC ADDRESS:—"CONGRESS," LEEDS.

A special office will be open until 7 p.m. each day during the Meeting in the basement of the Mechanics' Institute (down the left-hand staircase opposite the principal entrance). Members are particularly requested to ask at the Post Office for letters and telegrams. Each morning lists will be posted up of the names of those for whom letters and telegrams received the previous day are waiting. The Letter-box is in the passage outside the Post Office.

TELEPHONE.

On the Ground Floor, Mechanics' Institute. Exchange, No. 600. (See Plan.)

READING AND WRITING ROOMS

Are provided on the First Floor of the Mechanics' Institute, and are most easily reached by the staircase near the Reception Room door.

LUNCHEON ROOM

In the Crypt of the Mechanics' Institute. Luncheon will be provided at a cost of 2s. 6d., from 12 to 3 o'clock daily.

SMOKING ROOM

On the First Floor of the Mechanics' Institute. (Staircase near Medicine Section Room, Special Entrance, Vernon Street).

NEWSPAPER STALL.

Messrs. Goodall and Suddick will supply a Newspaper Stall, which will be found immediately on the right inside the principal entrance of the Mechanics' Institute. London Papers will arrive at 10.10 a.m.

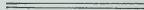
LADIES' ROOM AND CLOAK ROOM

(WITH ATTENDANT),

On the First Floor of the Mechanics' Institute (special entrance, Vernon Street).

DRESSING ROOM.

Arrangement for the above, from 10 a.m. to 9 p.m., has been made at the Trevelyan Hotel, Boar Lane, at a charge of 1/- each member making use of it. Dressing Bags may be left in charge of the Manager.



Access to Sectional Meeting Rooms, etc.

In consequence of the narrowness of the passages in the Mechanics Institute and School of Science, and especially of the single one which forms the sole means of communication between these two buildings, Members are *particularly requested* to consult the Table given below, and as far as possible to enter by the door, the name of which is placed opposite the room they wish to reach.

SECTIONS.

	<i>Building.</i>	<i>Floor.</i>	<i>Door.</i>
A. Medicine	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
B. Surgery	School of Science ..	First ..	Rossington Street.
C. Obstetric Medicine	Mechanics' Institute..	First ..	Cookridge Street. (Principal).
D. Public Medicine	Philosophical Hall ..		In Park Row.†
E. Psychology	School of Science ..	Ground ..	Rossington Street.
F. Pathology and Physiology	" ..	First ..	"
G. Ophthalmology	" ..	Ground ..	"
H. Diseases of Children	" ..	" ..	"
I. Laryngology	" ..	" ..	"
J. Otology	Mechanics' Institute..	" ..	Cookridge Street (Principal).
K. Pharmacology and Therapeutics	School of Science ..	First ..	Rossington Street.

MUSEUM.

A. Food and Drugs	Mechanics' Institute..	Ground	Cookridge Street (Principal).
B. Pathology	} School of Science ..	Albert Hall	Rossington Street.
C. Anatomy and Physiology		Second ..	
D. Instruments and Books	Mechanics' Institute..	Ground	Cookridge Street (Principal).
E. Sanitary and Ambulance Appliances	School of Science ..	Basement	Rossington Street.

GENERAL ROOMS.

Reception	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Reading and Writing	" ..	First ..	"
Ladies'	" ..	" ..	Vernon Street.
Luncheon	" ..	(Crypt)	Cookridge Street
		Basement	(Principal).
Cloak	" ..	" ..	"
Post and Telegraph Office	" ..	" ..	"

OFFICIAL.

Council Room	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Editor's Room	School of Science ..	" ..	Rossington Street.
General Secretary's Room	Mechanics' Institute..	" ..	Vernon Street (2nd door).
Local Secretaries' Room	" ..	" ..	"

The Annual Museum.

IN connection with the Fifty-seventh Annual Meeting of the British Medical Association, the Museum and Exhibition will be held in the Albert Hall, and the Covered Play-ground and Chemical Laboratory of the Leeds School of Science (Mechanics' Institute).

The Museum will be arranged in the following sections :—

SECTION A.—In the Albert Hall, FOODS AND DRUGS, including Antiseptic dressings and other Chemical and Pharmaceutical preparations. *Honorary Secretaries*, Dr. J. Hellier, 1, De Grey Terrace, Leeds; Mr. C. V. Newstead, 40, Headingley Lane, Leeds.)

SECTION B.—In the Chemical Laboratory, PATHOLOGY, comprising casts, models, diagrams, apparatus, microscopical and spirit preparations, etc. *Honorary Secretaries*, Dr. J. Dobson, 27, Burley Lawn, Leeds; Dr. E. H. Jacob, 12, Park Street, Leeds.

SECTION C.—In the Chemical Laboratory, ANATOMY AND PHYSIOLOGY, comprising special dissections, methods of preparation, drawings, models, microscopes, microtomes, and microscopic preparations. *Honorary Secretaries*, *Physiology*, Dr. De Burgh Birch, 16, De Grey Terrace, Leeds. *Anatomy*, Dr. Wardrop Griffith, 23, Park Square, Leeds.

SECTION D.—In the Albert Hall, INSTRUMENTS AND BOOKS, including appliances, medical, surgical, and electrical. *Honorary Secretaries*, *Instruments*, Mr. W. H. Brown, 19, Queen Street, Leeds. *Books*, Mr. F. H. Mayo, 49, Otley Road, Leeds.

SECTION E.—In the Covered Play-ground, School of Science, SANITARY AND AMBULANCE APPLIANCES. *Honorary Secretaries*, *Sanitary*, Mr. J. S. Loe, Grafton Street, Leeds. *Ambulance*, Mr. R. N. Hartley, Blenheim Terrace, Leeds.

Chairman, Museum Committee, T. Churton, M.D.

Honorary Secretary, Ernest H. Jacob, M.D., 12, Park Street, Leeds.

Communications on general matters connected with the Museum to be addressed to the Museum Secretary, Dr. Jacob, 12, Park Street, Leeds.

Entertainments.

THE ANNUAL DINNER

Of the Association will be held in the Town Hall, on Thursday, August 15th, at 7.30 p.m. Tickets, including wine, One Guinea; without wine, 15s. Members are particularly requested to apply **early** for Tickets, and to choose their seats in the Reception Room. *No Tickets will be sold after the Reception Room closes on Wednesday Evening.*

Tickets for Ladies wishing to attend the speeches may be obtained by members when purchasing their Dinner Tickets.

(For late trains from Leeds see page 18.)

CONVERSAZIONE,

Given by the President and Local Executive Committee in the Municipal Art Gallery, at 8.30 p.m., on Wednesday, August 14th.

Invitation cards can be obtained by members in the Reception Room.

The Guests are requested to observe the following arrangements:—

1. Carriages to set down at the Calverley Street entrance.
2. Admission Cards must be given up at the entrance.
3. Cloak Room Arrangements :

The Rate Office, exactly opposite to the Calverley Street entrance, will be used as the Gentlemen's Cloak Room. The counter will be divided into ten sections, each section taking 100 guests, and being in charge of an attendant. The sections will be marked off by placards announcing the number to be taken in each section.

Each Invitation or Admission Card will be accompanied by a double Cloak Room Ticket; and, on arriving, the guest will go to the section of the Cloak Room containing his number; *e.g.*, the Cloak Room Ticket No. 407 will go to section 401-500 inclusive. One half of the ticket is to be retained by the guest, the other half to be given up with coats, &c.

The same arrangements will be made in the Ladies' Cloak Room.

4. The President will receive the guests in the Stair-case Hall.
5. Refreshments will be served in the North Room.
6. The Entertainment by Mr. and Mrs. Upton and Mr. Laurence Kellie will be given in the Reading Room.

CARRIAGE REGULATIONS.

SETTING DOWN.

Carriages will proceed by way of Park Lane to the Calverley Street entrance of the Municipal Buildings, and set down with horses' heads to Great George Street, and will leave by Great George Street.

TAKING UP.

Carriages will be parked in Victoria Square and adjacent streets, under the directions of the Police on duty, and will take up with horses' heads towards Great George Street, and move off by Great George Street.

GARDEN PARTIES.

THURSDAY, 4 to 6.30 P.M. A Garden Party will be given by Sir James Kitson, Bart., at Gledhow Hall.

FRIDAY, 4 to 6.30 P.M. A Garden Party will be given by Mr. T. R. Jessop, F.R.C.S., at Roundhay Mount.

Carriages will be provided at 3.30, in Vernon Street; fare in both instances, 6d. for the single journey.

The Headingley Tram-cars will also, by special arrangement, run through the town to Roundhay on both Thursday and Friday afternoons, beginning at 3.30 p.m., and then every 15 minutes until 7 p.m. They will stop at the Mechanics' Institute to take up passengers.

4 to 6 P.M. A Garden Party will be given at the West Riding Asylum, Wakefield, by Mr. Bevan Lewis, Medical Director.

Train, 3.25 and 4.35 p.m., Great Northern Station, to Westgate, Wakefield.

SATURDAY, 4 p.m. A Garden Party will be given by the Lord Bishop of Ripon and Mrs Carpenter, at the Palace, Ripon. This Garden Party is included in the programme of Excursion No. 5, but the invitation is extended to all Members of the Association.

AFTERNOON RECEPTIONS.

WEDNESDAY, 4.30 to 6.30 P.M. An Afternoon Reception will be given at the Yorkshire College, by The Most Hon. the Marquis of Ripon (President), Council, and Senate of the College.

4 to 6.30. An Afternoon Reception, at the Carlton Barracks, will be given by Colonel Wilson and Officers of the 3rd Volunteer Battalion of the West Yorkshire Regiment to members who are or have been connected with any of the military services.

Invitation Cards for the Garden Parties and Receptions can be obtained by members in the Reception Room.

RECEPTION AND BALL.

FRIDAY, 8 P.M. The Mayor and Mayoress of Leeds (Alderman and Mrs. Ward) will give a Reception, followed by a Ball, in the Town Hall in honour of the Association.

Members can obtain Invitation Cards in the Reception Room.

No Cards will be issued after Thursday.

SHORT EXCURSIONS.

MORNING DRIVES AND VISITS TO MANUFACTORIES, ETC.

In order to facilitate the necessary arrangements for conveyance, members are particularly requested to enter their names in the Reception Room for the above as early as possible.

Tickets must be obtained not later than the day previous to visit.

Fares for circular visits to manufactories will be 1/6, to be paid on taking ticket.

Members are requested, when visiting manufactories, to take their Association Tickets, as in some instances they will be required for presentation.

Wednesday.

9.30 A.M.—DRIVE TO ADEL CHURCH AND KIRKSTALL ABBEY.
Conducted by the Vicar of Adel and Professor Ransome (Professor of Modern History at the Yorkshire College). Number unlimited. Fare 2/-, to be paid on taking ticket.

No 1 CIRCULAR VISIT (Number limited to 25).

10 A.M.—12.30 P.M.—VISIT TO MESSRS. BARRAN'S, Manufacturing Clothiers, Park Square and Woodhouse Square.
MESSRS. CLIFF AND Co.'s WORKS, Wortley (Pottery Works).
MESSRS. PAWSON AND SONS' WORKS, Wortley, Cloth Manufacturers. (Luncheon provided.)

No. 2 CIRCULAR VISIT (Number unlimited).

10.30 A.M.—12.30 P.M.—VISIT TO MESSRS. FAIRBAIRN'S, Wellington Bridge. Flax, Machine, and Tool Makers.
MESSRS. PAUL AND Co., The "Oak" Tannery, Kirkstall Road.
MESSRS. MCCORQUODALE AND Co., Basinghall Street, Printers and Lithographers.

No. 3 CIRCULAR VISIT (Number limited to 125).

10 A.M.—2 P.M.—MESSRS. GREENWOOD AND BATLEY, Makers of Torpedoes, Ammunition, and Heavy Tools, Armley Road. (Luncheon provided for 100.)
MESSRS. EYRES AND Co., Woollen Manufacturers, Armley. (Luncheon provided for 25.)

2.30—3.30 P.M.—Organ Recital at Armley Church.

3.30 P.M.—Afternoon Tea at Dr. Coleman's, Armley.

EXCURSION TO BOROUGHBIDGE AND ALDBOROUGH (the ancient city of Isurium).

A party]not exceeding 25 in number will leave Leeds, North Eastern Station, by the 11 a.m. train for Boroughbridge. Conducted by Mr. A. D. H. Leadman, F.S.A.

Luncheon will be provided by Mr. Lawson, Aldborough Manor.

Thursday,

9.30 A.M.—DRIVE TO TEMPLE NEWSAM (the seat of the Hon. Mrs. Meynell Ingram), and ROUNDHAY PARK. Conducted by Mr. C. Richardson. Number Unlimited. Fare 1/6, to be paid on taking ticket.

No. 1 VISIT (Number unlimited).

10—11 A.M.—VISIT TO THE FARNLEY IRON WORKS. (Train 10.15 a.m. L. & N. W. Railway to Wortley; return 11.58 a.m.)

No. 2 CIRCULAR VISIT (Number unlimited).

10—12 A.M.—VISIT TO MESSRS. ARTHUR AND Co., Park Square, Manufacturing Clothiers.

MESSRS. J. TETLEY AND SONS' BREWERY.

No. 3 VISIT (Number limited to 100).

10 A.M.—2 P.M.—VISIT TO LEEDS FORGE Co.'s WORKS. (Corrugated Boiler Flues, Fox's Tyres, Extensive Water Gas Plant, &c.) (Luncheon provided.)

No. 4 CIRCULAR VISIT (Number limited to 40).

10—12 A.M.—VISIT TO MESSRS. CRAWFORD'S MILLS, East Street. Woollen Manufacturers.

MESSRS. ELLIOTT HINCHCLIFFE AND Co.'s MILLS. Woollen Manufacturers.

MESSRS. TAYLOR'S "CLARENCE" IRONWORKS. (Luncheon provided.)

No. 5 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO MR. ALF COOKE'S COLOUR PRINTING WORKS.

MESSRS. TANNETT AND WALKER'S IRONWORKS.

MESSRS. FOWLER AND Co.'s STEAM PLOUGH WORKS.

VISIT TO MENSTON ASYLUM. Train, Midland Railway Station, 1.15 p.m., to Guiseley. Return train, 3.24 or 6.24 p.m. from Guiseley.

Friday.

9.30 A.M.—DRIVE TO HAREWOOD AND HAREWOOD HOUSE (the Seat of the Earl of Harewood). Conducted by Mr, P. A. Steedman, of Harewood, who invites the party to luncheon. Fare 2/-, to be paid on taking ticket. Number limited to 25.

No. 1 CIRCULAR VISIT (Number limited to 50).

10—12 A.M.—VISIT TO MESSRS. BUCKLEY'S WORKS, Greek Street. Manufacturing Clothiers.

THE BURMANTOFTS POTTERY COMPANY'S WORKS, Makers of the "Burmantofts Faience."

MESSRS. LAWSON & Co.'s FOUNDRY. (Refreshments provided.)

No. 2 VISIT (Number unlimited).

11 A.M.—2 P.M.—VISIT TO MESSRS. NICHOL'S TANNERY. (Kirkstall Abbey also can be visited at same time.)

No. 3 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO THE MONK BRIDGE IRONWORKS. (Manufacture of Steel, &c.)

MESSRS. NICHOLS & BECKWORTH, The "Joppa" Tannery.

No. 4 CIRCULAR VISIT (Number limited to 20).

10 A.M.—2 P.M.—VISIT TO MESSRS. MANNING & WARDLE'S ENGINE WORKS, Hunslet. Luncheon provided.

MESSRS. KITSON'S AIREDALE FOUNDRY. Locomotive makers.

No. 5 VISIT (Number unlimited).

12 A.M.—2 P.M.—VISIT TO TELEPHONE COMPANY'S SWITCH ROOM, Central Exchange, Park Row. Or on any other day at the same on presentation of member's card.

General and Special Meetings.

1. On TUESDAY EVENING, at 8.30, the President's Address. Coliseum.
2. On WEDNESDAY, at 3 p.m., the Address in Medicine by J. Hughlings Jackson, M.D., L.C.D., F.R.S. Coliseum. Presentation of Stewart Prize to Dr. E. Klein, F.R.S.
3. On THURSDAY, at 3 p.m., the Address in Surgery by T. Pridgin Teale, M.A., F.R.S., F.R.C.S. Coliseum.
4. On FRIDAY, at 3 p.m., the Address in Psychology by Sir James Crichton Browne, M.D., F.R.S. Coliseum.

EXHIBITION OF SURGICAL CASES.

On Wednesday, August 14th, from 4 to 5.30 p.m., in the Central Hall of the Infirmary.

The following Meetings, by permission of the Council, will be held during the Annual Meeting:—

THE MEDICAL SICKNESS, ANNUITY, AND LIFE ASSURANCE SOCIETY.

A Meeting will be held in the Philosophical Hall, on Wednesday, August 14th, at 2 o'clock p.m.

IRISH MEDICAL SCHOOLS' AND GRADUATES' ASSOCIATION.

The Summer Meeting will be held at 4.15 o'clock p.m. on Wednesday, 14th August, in the Philosophical Hall.

ANATOMICAL SOCIETY.

The Summer Meeting will be held in the Theatre of the Medical School, on Thursday, 15th August, at 4.30 p.m.

NEW SYDENHAM SOCIETY.

The Annual Meeting of this Society will be held in the Middle Division Room, Mechanics' Institute, on Friday, August 16th, at 9.30 a.m. (Special Entrance, Vernon Street.)

BATHS.

By the kind permission of the Directors, the Baths of the Oriental Bath Company, in Cookridge Street, will be open to Members during the week of the meeting on presentation of their cards of Membership, at the following reduced rates:—

First-class Turkish Bath	... ..	1s. 6d.
„ Warm Bath	... ..	0s. 6d.
„ Swimming Bath	.. ...	0s. 6d.

CLUBS OPEN TO MEMBERS OF THE ASSOCIATION.

- THE CONSERVATIVE CLUB, South Parade. On presentation of a card of a Member of the Club to be obtained in the Reception Room.
- THE LIBERAL CLUB, Park Row. On presentation of their Association Ticket.
- THE ROYAL EXCHANGE READING ROOM, Boar Lane, near the Queen's Hotel, is open to Members of the Association during the Meeting.

RESTAURANTS.

- POWOLNY'S, Bond Street.
- WOOD'S, Commercial Street.
- THE QUEEN'S, Bishopgate Street.
- THE GRAND, Boar Lane.
- THE CRITERION, New Briggate.

GRAND THEATRE.

During the week, MR. ARTHUR ROBERTS, with his Burlesque Company. Tickets may be obtained at Messrs. Ramsden's, Park Row, and at the Theatre.

ARRANGEMENTS FOR LADIES.

A Ladies' Room and Cloak-room, with attendant, is provided in the Mechanics' Institute (special entrance—Vernon Street). Afternoon Tea will be provided each day in this room for Ladies *and Members* accompanying them from 3.30 to 4.30 p.m. Ladies are invited to attend :—

TUESDAY, 4 P.M.—Service in the Parish Church, Sermon by the Bishop of Ripon.

WEDNESDAY, 4.30 to 6.30 P.M.—Reception at the Yorkshire College by the President, Council and Senate of the College.

4 to 6.30 P.M.—Reception given by Colonel Wilson and the Officers, 3rd Vol. Batt. West Yorkshire Regiment, to Members in the Services at the Carlton Barracks.

8.30 P.M.—Conversazione by the President of the Association and the Local Executive Committee in the Art Gallery and Municipal Buildings.

THURSDAY, 4 to 6.30 P.M.—Garden Party at Gledhow Hall, given by Sir James Kitson, Bart.

9 P.M.—The Speeches after the Annual Dinner in the Town Hall. Light Refreshments and seats on the orchestra will be provided. Tickets for Ladies may be obtained by Members when purchasing their Dinner tickets.

FRIDAY, 4 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. Jessop, F.R.C.S.Eng.
 4 to 6 P.M.—Garden Party at the West Riding Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds, in the Town Hall.

SATURDAY, Excursions (see page 20).
 4 P.M.—Garden Party, given by the Lord Bishop of Ripon and Mrs. Carpenter, at The Palace, Ripon.

DAILY.—Short Excursions to places of interest in the neighbourhood, manufactories, etc. (see page 13).

THE BATHS OF THE ORIENTAL BATH COMPANY are, by kind permission of the Directors, open to Ladies presenting a card to be obtained in the Ladies' Room, at the following reduced rates :—

First-class Turkish Bath, open 10 a.m. to 4 p.m., 1s.

First-class Swimming Bath, on Thursday, 9.30 a.m. to 3 p.m., 6d.

RAILWAY ARRANGEMENTS.

Members of the Association, on application at the booking office at Leeds, and on production of their cards of Membership, can have issued to them return tickets at single fares, available *from Leeds* to any station within a radius of fifty miles. The same facilities will be afforded to ladies accompanying Members. Periodical tickets (first class) to Harrogate or Ilkley, available for seven days, will be issued to Members of the Association at a charge of 10s., each on production of the voucher above named. These facilities will apply strictly to Leeds, and there will be *no reduction* in the fares charged to the Members of the Association on their journey to *Leeds* for the Meeting.

LATE TRAINS FROM LEEDS.

CENTRAL STATION :—

G.N. 10-0 P.M. Ardsley, Wakefield, Doncaster, Bawtry, Retford, &c.

G.N. 10-0 P.M. (Tuesday only.) Ossett, Dewsbury, Batley.

G.N. 10-5 P.M. Armley, Bramley, Stanningley, Bradford.

G.N. 10-10 P.M. (Not on Tuesday.) Ardsley, Stanley, Methley, Castleford.

G.N. 10-35 P.M. Lowmoor and Halifax.

L. & Y. 10-45 P.M. Lowmoor and Halifax.

G.N. 10-40 P.M. Armley, Bramley, Stanningley, Bradford.

G.N. 10-50 P.M. (Tuesday only.) Ardsley, Stanley, Methley, Castleford.

G.N. 11-20 P.M. Ardsley, Wakefield, Doncaster.

MIDLAND STATION :—

- 10-0 P.M. Normanton, Sheffield, Chesterfield, Derby, &c.
 10-10 P.M. Bradford (express).
 10-23 P.M. Armley, Kirkstall, Newlay, Calverley, Apperley, Shipley,
 Bradford, Bingley, Keighley.
 10-45 P.M. Shipley, Bradford, Bingley, Keighley, Skipton.
 10-45 P.M. Shipley, Guiseley, Menston, Burley, Ilkley.
 10-50 P.M. Woodlesford, Methley, Normanton.
 11-15 P.M. Bradford (express).
 11-18 P.M. Armley, Kirkstall, Newlay, Calverley, Shipley, Brad-
 ford.
 11-38 P.M. Normanton, Sheffield, Derby.

NEW STATION :—

- L. & N. W. 9-30 P.M. Dewsbury Huddersfield, Madchester.
 N.E. 10-55 P.M. Cross Gates, Garforth, Selby, Hull.
 L. & N. W. 11-0 P.M. Morley, Batley, Dewsbury, Huddersfield.
 N.E. 11-5 P.M. Horsforth, Arthington, Harrogate.
 N.E. 11-10 P.M. York (express).
 N.E. 2-14. A.M. York, Scarbro', Whitby, &c.

CAB FARES.

BY DISTANCE.—For any number of persons not exceeding five, for the first mile, one shilling : for every additional quarter of a mile, threepence.

BY TIME.—For any number of persons not exceeding five, for the first quarter of an hour, one shilling ; for every succeeding quarter of an hour, sixpence.

Disengaged Cabs will stand in Rossington Street, along the south side of the Mechanics' Institute.

TRAM CARS.

The Tramway Terminus is in Boar Lane, at its Junction with Briggate. Cars run as follows :—

CHAPELTOWN.

Leaves (the Queen's Arms) Chapeltown for Briggate at 7.55 a.m., and every 15 minutes till 9.55 p.m. Extra on Saturdays till 10.25 p.m.

Leaves Briggate for Chapeltown (the Queen's Arms) at 8.30 a.m., and every 15 minutes till 10.30 p.m. Extra on Saturdays till 11.0 p.m.

NOTE.—The 10.15 and 10.30 p.m. Cars from Briggate on Weekdays, and the 10.45 and 11.0 p.m. on Saturdays, run to Mexbro' Arms only.

Leaves Reginald Terrace, Chapeltown Road, for Briggate at 8.7½ a.m., and every 7½ minutes till 7.22½ p.m., then every 15 minutes till 10.7½ p.m. Saturdays every 7½ minutes till 10.37½ p.m.

Leaves Briggate for Reginald Terrace (Chapeltown Road) at 8.30 a.m., and every $7\frac{1}{2}$ minutes till 7.45 p.m., then every 15 minutes till 10.30 p.m. Saturdays every $7\frac{1}{2}$ minutes till 11.0 p.m.

NOTE.—Extra Cars leave the Chapeltown Tram Yard on Weekdays at 7.40, 8.7 $\frac{1}{2}$, 8.22 $\frac{1}{2}$, and 8.37 $\frac{1}{2}$ a.m.

HEADINGLEY.

Leaves Three Horse Shoes, Headingley, at 7.42 $\frac{1}{2}$ a.m., and every 10 minutes till 7.22 $\frac{1}{2}$ p.m., then every 15 minutes till 9.52 $\frac{1}{2}$ p.m. Saturdays every 10 minutes all day till 10.22 $\frac{1}{2}$ p.m.

Leaves Boar Lane for Three Horse Shoes at 8.20 a.m., and every 10 minutes till 8.0 p.m., then every 15 minutes till 10.30 p.m. Saturdays every 10 minutes all day till 11.0 p.m.

KIRKSTALL.

Leaves Boar Lane for Kirkstall at 8.30 a.m., and every 10 minutes until 8.30 p.m., then every 15 minutes until 10.30 p.m. Saturdays every 10 minutes all day until 11.0 p.m.

Leaves Kirkstall for Boar Lane at 8.5 a.m., and every 10 minutes until 7.55 p.m., then every 15 minutes until 9.55 p.m. Saturdays every 10 minutes all day until 10.25 p.m.

Cars run to and from MEANWOOD ROAD, UPPER WORTLEY, and YORK ROAD about every 10 minutes.

OMNIBUSES.

The Omnibus Terminus is in Briggate, between Commercial Street and Boar Lane, from whence 'Busses run at short intervals to all parts of the Borough.

Excursions.

No. 1.

THE SCARBOROUGH EXCURSION,

Saturday, Aug. 17th; Monday, Aug. 19th.

ARRANGED BY THE PROFESSION IN SCARBOROUGH.

Saturday, August 17th.

LEEDS, N.E.R. STATION.

Train (Special)	...	...	...	leave	9.10 a.m.
York	...	...	...	arrive	9.50 ,,
York	...	...	...	leave	10.2 ,,
Scarbro'	...	...	...	arrive	11.30 ,,

Luncheon (by invitation) given by Members of the Profession of Scarborough and neighbourhood, at the Royal Hotel at 1 p.m.

Carriages will start from Royal Hotel at 3.15 p.m., for excursions to the town and neighbourhood.

Yachts will start from the Pier at 3.30 p.m., for trips to sea.

A Garden-Party at St. Nicholas House, given by Mr. J. W. Woodall, from 3.30—7.0 p.m.

Reception by His Worship the Mayor of Scarborough (Official Chairman of the Company) and the Committee of the Cliff Bridge Company, will be held in the Grand Hall of the Spa at 8.30 p.m.

During the evening the Grounds will be specially illuminated.

Sunday, August 18th.

A Special Service at the Parish Church (St. Mary's). (Preacher: The Ven. Archdeacon Blunt, D.D.), at 10.30 a.m.

A Concert of Sacred Music will be given in the Spa Grounds, from 3.0—4.30 p.m.

Mr. G. Alderson Smith will be "At Home," at Wheatcroft Cliff, from 4.0—6.30 p.m.

Monday, August 19th.

A Deep Sea Trawling expedition will probably be arranged.

Through the kindness of Mr. Morgan, members and their wives will be admitted free to the Aquarium on *Saturday, Sunday, and Monday (August 17th, 18th, and 19th)*; also to the Concert of Sacred Music on Sunday evening at 8 p.m.

Dr. Calantarients invites members and their wives to visit his Glaciarium at the Londesborough Rooms.

Arrangements have been made at the Grand and Royal Hotels for the reception of visitors, where meals will be served at the customary Hotel hours.

N.B.—All Excursions and Entertainments, including admittance to the Spa Grounds on *August 17th, 18th, and up to 5 p.m. 19th*, are free to Members and Ladies accompanying them on production of this Ticket.

No. 2.

THE ILKLEY AND BOLTON ABBEY EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN BRADFORD AND ILKLEY.

LEEDS: MIDLAND STATION.

Train.

Leeds	...	...	...	depart	9.35 a.m.
Guiseley (to take up members)				arrive	10.12 ,,
Ilkley (to take up members)	...			arrive	10.34 ,,
Bolton Abbey Station	...	..		arrive	10.49 ,,

WAGONETTES.

Bolton Abbey Station	...	...		depart	11.0 a.m.
Bolton Woods and Strid	...			arrive	11.40 ,,
Bolton Woods and Strid	...			depart	12.40 p.m.
Bolton Abbey	...	...	...	arrive	12.55 ,,
Bolton Abbey	...	...	...	depart	1.30 ,,
Devonshire Arms Hotel	...			arrive	1.45 ,,

LUNCHEON.

Walk to Bolton Abbey Station				depart	2.47 p.m.
Ilkley	...	...	...	arrive	3.5 ,,
or Ben Rhydding	...	...		arrive	3.8 ,,

Until 5.30 members can visit any of the Hydropathic Establishments, such as Ilkley Wells House, Ben Rhydding, Craiglands, Troutbeck, &c, or visit the Old White Wells, the Semon Convalescent Home, Panorama Rocks, Cow and Calf, the Ilkley Wells Hospital, the old Parish Church (with the Stone Crosses), or pass over the river towards Middleton Moor, &c.

DINNER.

Dinner will be served in the Winter Garden of Ilkley Wells House, at 5.30 precisely.

After Dinner, ample time will be afforded for a leisurely walk down to the Ilkley Station, from which the train back to Leeds will start at 8.35 p.m.

Leeds	arrive	9.25 p.m.
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Directions for Entertainers from Bradford, Ilkley, &c.:—

Bradford: Midland Station	at	9.48 a.m.
Manningham	...	...	..	9.52 ,,
Shipley	...	...	..	9.58 ,,

Reaching and joining guests at

Guiseley	..	...	...	arrive	10.12 a.m.
Guiseley	...	...	...	depart	10.16 ,,
Burley	...	...	...	arrive	10.24 ,,
Ilkley	...	...	...	arrive	10.34 ,,

The Bradford members will leave Ilkley by the same train, 8.35 p.m., which leaves for Leeds, being detached from the Leeds portion at Guiseley.

No. 3.

THE YORK, HELMSLEY, AND RIEVAULX ABBEY
EXCURSION,*Saturday, August 17th.*

LEEDS, N.E.R. STATION.

Leeds (special)	...	...	...	depart	9.10 a.m.
York	...	...	...	arrive	9.50 a.m.

The party will here be met by the Committee of the Medical Profession at York, by whom all arrangements have been made for the convenience of the visitors in York.

10.0 a.m. Received by Canon Raine, who will conduct the party round the Museum and Grounds of the Yorkshire Philosophical Society, St. Mary's Abbey, Roman and other antiquities.

10.45 a.m. Mr. Buckle, Superintendent of the Wilberforce School for the Blind, which occupies the Ancient Royal Palace of the Stuarts, will point out matters of interest in that building.

11.30 a.m. The Minster will be visited, Canon Raine having kindly consented (in the unavoidable absence of the Dean of York) to act as cicerone.

12.30 p.m. The party will proceed to the Mansion House, where they will be received by the Lord Mayor. The ancient plate, &c., will be inspected. The Guildhall will afterwards be visited.

LUNCHEON.

At the North Eastern Railway Station Hotel, by invitation of the Members of the Medical Profession in York, 1.0 p.m.

TRAIN.

York	...	...	...	depart	2.25 p.m.
Helmsley Station	...	...	...	arrive	3.30 ,,

CARRIAGES.

“The Black Swan” Hotel, arrive 3.40 p.m.

TEA.

Drive through Duncombe Park to Rievaulx Terrace, overlooking Rievaulx Abbey and village, arrive 4.30 p.m.

Inspect paintings, walk on Terrace and see Rievaulx Abbey (4.30—5.30 p.m.).

Re-enter carriages, 5.30 p.m.

Visit and inspect ruins of Helmsley Castle, built A.D. 1200, 5.50 p.m.

Leave by carriage, 6.10 p.m.

Helmsley, 6.30 p.m.

DINNER

Will be served at “The Black Swan.”

Helmsley Station	...	...	...	depart	8.15 p.m.
York	...	...	...	arrive	9.15 ,,

TRAINS LEAVE YORK FOR

{	Leeds	...	...	depart	9.35 p.m.
	Midland and L. & N.W.	...	..	„	9.28 „
	G.N.Ry. and King's Cross	..	..	„	9.37 „
	The North	...	...	„	10.26 „
	Scarborough	...	...	„	10.30 „

N.B.—Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 4.

THE HARROGATE EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN HARROGATE.

LEEDS, N.E.R. STATION.

Leeds (Special)	...	...	...	depart	9.0 a.m.
Pannal...	...	...	...	arrive	9.15 ,,

The party will here be met by members of the Profession of Harrogate, who will conduct the excursion.

FOUR-HORSE DRAGS.

Plumpton Rocks	...	...	...	arrive	10.0 a.m.
Plumpton Rocks	...	...	...	depart	10.30 ,,
Knaresboro'	...	...	...	arrive	11.0 ,,

LIGHT REFRESHMENTS.

The party will here visit the Castle, Dropping Well, Robin Hood's and Eugene Aram's Cave.

Knaresboro'	...	...	...	depart	12.30 p.m.
Drive by Scriven and Scotten to					
Ripley Castle	...	...	...	arrive	1.15 ,,
Ripley Castle	...	...	...	depart	1.45 ,,
Harrogate	...	...	...	arrive	

LUNCHEON

Will be served in the New Bath Hospital lately opened by H.R.H. Prince Albert Victor, at 2.30 p.m.

After Lunch the party will be shown the Wells. Drives in the neighbourhood will be organized. Entertainments will be provided, and in the evening the houses of the various Medical men of Harrogate will be thrown open for the reception of visitors.

TRAIN.

Harrogate (Special)	...	...	...	depart	8.50 p.m.
Leeds	...	...	...	arrive	9.30 ,,

N.B.—Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 5.

THE PATELEY BRIDGE, BRIMHAM ROCKS, FOUNTAINS ABBEY, STUDLEY ROYAL, AND RIPON
EXCURSION,

Saturday, August 17th.

LEEDS : N.E.R. STATION.

Leeds (Special)	depart	9.0 a.m.
Pannal	arrive	9.15 ,,
(The Harrogate party will here leave the train.)		
Pateley Bridge	arrive	10.10 ,,

WAGONETTES.

Walk up Ravens Gill and Guys Cliff.

LUNCHEON

Provided by Mr. George Metcalfe, at Castlestead, 12.0 noon.

WAGONETTES.

Castlestead	depart	12.50 p.m.
Brimham Rocks... ..	arrive	1.35 ,,
Brimham Rocks... ..	depart	2.15 ,,
Fountains Hall	arrive	3.15 ,,

Fountains Abbey and Grounds.

TEA

Provided in the Abbey Grounds, by the Most Honourable the Marquess of Ripon, K.G., 3.45 p.m.

Walk through the Grounds to meet Wagonettes.

WAGONETTES.

Canal Gates	depart	4.30 p.m.
Ripon	arrive	5.0 ,,

Visit Cathedral.

Lavatory accommodation will be provided at the Unicorn Hotel.

WAGONETTES.

Ripon (Unicorn Hotel)	depart	5.30 p.m.
Palace	arrive	6.0 ,,

The party will be received by the Lord Bishop of Ripon and Mrs. Boyd Carpenter.

REFRESHMENTS.

Palace	depart	7.45 p.m.
Ripon Station	depart	8.25 ,,
Harrogate	depart	8.50 ,,
(The Harrogate party will rejoin train.)		
Leeds	arrive	9.30 ,,

No. 6.

THE WASHBURN VALLEY AND FARNLEY
EXCURSION,

Saturday, August 17th.

The whole of the Excursion will be by carriage.

Mechanics' Institute... .. depart 9.0 a.m.
Adel Church arrive 9.40 ,,

The party will be received by the Rector, who will kindly show the principal features of this almost unique specimen of Norman Architecture.

Adel Church depart 10.0 a.m.

Drive to Pool Bridge and Leathley Village to Lindley Wood Reservoir.
arrive 11.30 a.m.

Torpedo experiments will be shown by Messrs. Greenwood and Batley.

Lindley Wood Reservoir depart 12.30 p.m.
Swinsty Reservoir arrive 1.15 ,,

LUNCHEON.

Provided by Mr. Alderman Woodhouse, Chairman of the Leeds Waterworks Committee.

Swinsty Reservoir depart 2.15 p.m.
Fewston arrive 3.0 ,,

Inspect sinking Village Reservoir, &c.

Drive over Snowdon Moors by Asquith and Weston.

Farnley Hall arrive 4.0 p.m.

The seat of Ayscough Fawkes, Esq. The well known collection of J. M. W. Turner's Pictures will be inspected,

TEA.

Farnley Hall depart 6.0 p.m.
"White Horse," Otley arrive 6.30 ,,

DINNER.

"White Horse," Otley depart 8.0 p.m.
Leeds arrive 9.30 ,,

No. 7.

THE MALHAM COVE, GORDALE SCAR, AND SETTLE
EXCURSION,*Saturday, August 17th.*

LEEDS, MIDLAND STATION.

Leeds... .. depart 8.0 a.m.
 Bell Busk arrive 9.40 ,,

To be met by carriages.

Kirkby Malham arrive 10.30 ,,

Visit old Church, inspect old Registers with Oliver Cromwell's signatures,
 and other matters of interest.

Kirkby Malham depart 10.45 a.m.
 Gordale Scar... .. arrive 11.5 ,,

LIGHT REFRESHMENTS.

Party will visit Janet's Force.

Gordale Scar depart 12.0 noon.

Walk to Malham Cove (1 mile).

Malham Cove arrive 12.30 p.m.

Malham Cove depart 12.50 ,,

Carriages will here meet the party.

Kirkby Malham arrive 1.0 ,,

The party will here divide into two sections.

(1). Pedestrians (1 mile—700 feet ascent) with the lighter carriages to
 visit Scaleber Force and down to Settle. Magnificent views crossing
 the Moors.

(2). Heavier carriages drive by Otterburn and Hellifield to Settle.

The two parties will meet at the Ashfield Hotel, Settle, at 2.45 p.m.

DINNER.

After dinner two parties will be formed.

(1). Carriages for Stainforth depart 4.15 p.m.
 (3 miles)

Visit Stainforth Force ; pedestrians can climb to Catterick Force
 ($\frac{3}{4}$ mile).

Stainforth depart 5.40 p.m.

(2). Walking party—Those who prefer walking may visit Giggleswick
 School ($\frac{1}{2}$ mile), see Celtic and Roman Remains from Victoria Cave—
 Walk to Ebbing and Flowing Well ($\frac{1}{2}$ mile),—back to Settle and
 ascend Castleberg Rock.

Settle Station depart 7.23 p.m.

Leeds... .. arrive 8.52 ,,

N.B.—The Tickets for the above must be preserved, as they will be
 required for presentation during the Excursion.

1. *The Scarborough Excursion.*—Trains will leave the North Eastern Railway Station (New) at 9.10 a.m. on Saturday morning, August 17th, arriving at Scarborough at 11.30. At 1 p.m. a luncheon will be given by the Profession of Scarborough to 100 members of the Association (by invitation). In the afternoon excursions by sea and land will be arranged, steam yachts will be placed at the disposal of the visitors, and short excursions will be organised by carriage. A Garden Party will be given by Mr. J. W. Woodall, in honour of the visit of the Association, at St. Nicholas Cliff. In the evening the grounds of the Cliff Bridge Company will be thrown open to the members, and especially illuminated; here a reception will be held in the Grand Hall by his worship the Mayor, official chairman of the Company, and the Committee. On Sunday a special service will be held in the Parish Church (St. Mary's), preacher, the Venerable Archdeacon Blunt, D.D., Chaplain to the Queen. In the afternoon a concert of sacred music will be given in the Spa Grounds (3 to 4.30), and, later, Mr. Alderson Smith will be "at home" at Wheateroft Cliff, to receive members of the Association and their wives; by his kindness, also, it is hoped that a deep sea trawling expedition will be arranged for Monday morning. A fee of one guinea will be charged, which will include all the expenses of the excursion. Gentlemen may be accompanied by ladies on the same terms, namely: Saloon fare from Leeds to Scarborough, hotel accommodation at two of the best hotels from mid-day on Saturday, August 17th, till mid-day on Monday, August 19th (with the exception of wine). The Cliff Bridge Company will admit members free to their Grounds on the three days, August 17th, 18th, and 19th, after 5 p.m. All excursions and other entertainments are open to all members and ladies accompanying them on production of their tickets. The luncheon to be given on Saturday will be by invitation only, as it is not possible to secure a room for an unlimited number. Any further particulars with regard to the Scarborough Excursion can be obtained on application to Charles F. Hutchinson, M.D., Honorary Secretary, May Lodge, Scarborough.

2.—*The Ilkley and Bolton Abbey Excursion.*—The route of this excursion runs from Leeds in a north-westerly direction, leaving the Midland station at 9.35 A.M.; it passes by way of Armley, Kirkstall (with a view of the old abbey of that name), and continues along the Airedale Valley to Apperley Bridge.

After passing Kirkstall Forge, the vale opens out, showing Calverley to the south and on the north, giving a fine view of the slope of the hill from Rawdon, on which, as prominent objects, stands the Rawdon Convalescent Home (founded, for poor patients, by the late Sir H. W. Ripley, Bart.)

and the Rawdon Baptist College. These and the numerous villa residences of Leeds and Bradford merchants, embowered in trees, form a pleasant and striking landscape. Passing Apperley Bridge, the line curves temporarily towards the north, up a steep incline, affording a glimpse of the upper portion of the Airedale Valley, with Shipley and Bradford in the distance; it then enters a wooded and tunnelled portion, curving back to the west and reaching Guiseley; here, and at Ilkley, the members of the excursion will be joined by their entertainers, and the train will proceed along the south side of the Wharfedale Valley, towards Ilkley.

Just before the valley opens there lies, on the south side of the line, the New Menston Lunatic Asylum, to which the Psychological Section intends to pay a visit. Beyond this the line divides, one branch turning to the east to Otley, the other pursuing its course to Ilkley and Bolton. In the angle made by this division lies the burial place of the late Right Hon. W. E. Forster. The spot affords a view of the extent of Wharfedale, which, following the course of the river Wharfe from Bolton on the west, runs to where the North Eastern line, on its way to Harrogate, crosses the valley at Arthington, on the east. The dale is one of the most beautiful in Yorkshire, offering at certain points almost unique views, as that at Otley Chevin, Brimham Rocks, and the Cow and Calf. The town of Otley lies at the east end, on the north side of the valley, opposite the Chevin; the village of Burley lies embedded in foliage in the middle of the dale, while Ben Rhydding and Ilkley lie on the cliff or south side of the dale, at the edge of Rumbold's Moor.

The train, proceeding, passes the Burley Station, and at this point on the rising ground of the north of the dale may be seen Denton Hall and Park, formerly the residence of the famous Fairfax, now the seat of Mr. Wyville, J.P.; and, further west, Myddelton Lodge, the home of the Middeltons, one of the oldest Yorkshire county families. The ground now rises precipitously to the south, and the first object which strikes the eye is the splendidly situated hydropathic establishment of Ben Rhydding. Further to the west of it are seen the massive rocks called the Cow and Calf, and the Ilkley district opens out, extending almost from the edge of the moor for a mile or more down a gentle slope to the river Wharfe. As the train moves past Ilkley, a good general view will be obtained of its spa establishments and villa residences. The train goes on past the village of Addingham (with Beamsley Beacon behind) till it reaches Bolton Bridge at 10.49; at this station wagonettes will be in readiness to take the party to the Priory and Bolton Woods. Most people have seen the beautiful print of "Bolton Abbey in the Olden Time." The remains of the Priory are charmingly situated, and form a grand adjunct to the restored church. To strangers the history of the structure will be freely afforded by some of the

gentlemen accompanying the party. From the Priory the party will be conveyed to Bolton Woods and the Strid in wagonettes.

The woods and stream will afford their own beautiful commentary ; and the romantic story of the "boy of Egremont" checked in his spring across the "Strid" by the leashed hound, and drowned in the torrent ; the despair of the mother, "Alice de Romille," and her subsequent founding of the Priory, can all be told on the spot. Time will not afford more than a distant view of "Barden Tower," the home of the Cliffords, and walk through the woods ; nor can a visit to the Valley of Desolation, with its waterfall, be risked ; but these will scarcely be missed amid the surrounding beauties. The wagonettes will return from the Strid about 12.40 to the Devonshire Hotel, where, if the day be propitious, lunch will be served on the lawn at 1.45 p.m.

The train will leave Bolton Abbey Station at 2.47 p.m. on its return to Ilkley ; and here the rest of the day, till dinner-time, will be spent visiting the points of interest in its immediate precincts. Ilkley and its neighbouring "Rombald's Moor" have their aboriginal and Roman history, with their "Cairns," "Barrows," Roman stations and roads. Monumental relics have been found abundantly, and one is to be seen at the back of the Rose and Crown Inn, and three ancient crosses in Ilkley Churchyard. The old Parish Church will repay a visit. All that the antiquarian will require to indicate the ancient history of Ilkley may be obtained from "Lund's 6d. Guide." Modern Ilkley, as a spa and health resort, as well as Ben Rhydding (which was the first of the large hydropathic establishments in the neighbourhood), owes its celebrity, not to any medicinal virtue in its water, but to the wonderful purity and abundant supply of that water, and to the charming situation of the place. There is a valuable chalybeate spring at the side of the Moor at Heber's Gill, past the Semon Convalescent Home, but this is quite apart from the main "Ilkley water." This Ilkley water seems specially adapted for drinking, and for all such purposes as are comprised under the head of "Hydrophathy ;" hence the abundance of these establishments. All, or a choice number, of these may be visited ; from the original "Old White Wells," which everyone will observe high up on the hill side, through the grand structure of Ben Rhydding (Medical Officer, Dr. Johnstone) ; the palatial Ilkley Wells (Medical Officer, Dr. Scott) ; the well-known "Craiglands" (Medical Officer, Dr. H. Dobson) ; the Elizabethan structure, "Troutbeck ;" the "Spa" establishment in the Grove, to Rockwood House, Marlborough House, and Stony Lea. Besides these there is above the Grove, on the slope of the hill, the Ilkley Hospital (Medical Officer, Dr. Johnstone), established in 1829 as the Ilkley Bath Charitable Institution. This institution has from 700 to 800 patients passing through it in a year ; these are recommended by subscribers ; and it can be said with truth that the simple treatment and capital Ilkley air

materially reinvigorates many of them. Another admirable institution, founded by the late Mr. Charles Semon, of Bradford, and bequeathed by him to the town of Bradford, is the Semon Convalescent Home, situated quite on the edge of the moor, south-west above Ilkley, and intended for the convalescent and weakly of the working class, clerks, and warehousemen; the whole charge for board and lodging is 12s. 6d. a week, the extra cost being furnished by the fund left by Mr. C. Semon. The people can wander on the moor at will, and convalescents are carried up from the railway by omnibus. The home is open to others beside the inhabitants of Bradford. There are a number of hotels at Ilkley, the principal of which are the Middelton, the Crescent, etc.; but the hydropathic establishments also accommodate visitors even for a few days. Between the return arrival of the train at Ilkley and the hour at which the party will dine (5.30 p.m.), beside the places enumerated and the general exploration of Ilkley, if the day is fine, a walk to the "Cow and Calf" (on the way to Ben Rhydding) will yield a magnificent view from those rocks. Also $1\frac{1}{2}$ mile from the station south-south-west, another splendid view is obtained from the "Panorama rocks." Again, the walk to Myddelton Moor, $1\frac{1}{2}$ mile north over the Ilkley bridge, will afford many interesting views. To any of the party who may prolong their stay over the excursion, the points of interest in the locality are many and varied, as Skipton town and castle, Keighley and Howarth (home of Charlotte Brontë, 14 miles), Denton Park, Otley and the Chevin, Farnley Hall ($2\frac{1}{2}$ miles from Otley, full of interesting historical records), Burley, Harewood House, Harrogate, Ripon, and Fountains Abbey, etc. After dinner, time sufficient will be afforded for a leisurely stroll to the Ilkley station, from which the train will start on its return journey promptly at 8.35 p.m. for Leeds and Bradford.

3. *York, Helmsley, Rievaulx Abbey.*—The party will leave the North Eastern Railway Station (New) at 9.10 a.m., reaching York at 9.50, where they will be met by the representatives of the profession of York, who have hospitably undertaken to entertain the party, and to shew them the various objects of interest. The party will first visit the gardens of the Yorkshire Philosophical Society, kindly thrown open to them by the courtesy of the Honorary Secretary, Mr. Noble, and the Council of the Society. The visit will be supervised by Canon Raine. Amongst the objects of interest are the ruins of St. Mary's Abbey, a portion of the old Roman walls and a large collection of Roman and other antiquities in the museum and hospitium of the Abbey. Afterwards the party will proceed to the Palace of the Stuart Kings, in which is located the Wilberforce School for the Blind. Mr. Buckle, the superintendent of the school, has courteously undertaken to point out the features of interest connected with this historical building. Leaving the Stuart Palace, our visitors will proceed, by way of Bootham Bar, to the Minster, where Canon Raine, in the

unavoidable and regretted absence of the Dean of York, will again kindly undertake the duties of cicerone. After viewing the Minster, it is proposed to pay a visit to the Mansion House and Guildhall, where the members and their friends will be received by the Lord Mayor. The ancient plate preserved in the Mansion House and Guildhall, which is one of the finest Gothic halls in existence, will, it is believed, be inspected with much interest. Luncheon, by invitation of the profession in York, will be served at the Station Hotel at 1 o'clock, after which the party will be conveyed by special train to Helmsley. Here carriages will convey them to Rievaulx Terrace, whence, having seen the beautiful view, they will proceed to the Abbey, driving through Duncombe Park to the Home Terrace, and thence by the ruins of Helmsley Castle to the Black Swan for dinner. The train will leave Helmsley for York in time to catch the night mail from York, and the 9.35 for Leeds.

4. *The Harrogate Excursion.*—The party will proceed by special train from the North Eastern Railway Station (New) about 9 A.M. to Pannal, where they will be met by carriages. The beautiful grounds and rocks of Plumpton will then be visited, where light refreshment will be provided; afterwards the party will drive to Knaresborough Castle, the Dripping Well, and the caves memorable as connected with Eugene Aram. Thence by Scriven and Ripley Castle to Harrogate. Here the members of the profession in Harrogate will entertain the party at lunch in the New Bath Hospital about 2.30 P.M., afterwards carriages will be provided, so that places of interest may be visited. Various other entertainments will be organised, and in the evening the houses of the various medical men will be thrown open to visitors, and members can return to Leeds either by the special train, or by one of the numerous trains leaving Harrogate for Leeds in time to catch the night mails. It is expected that many will arrange to stay in Harrogate over the Sunday.

5. *The Brimham Rocks, Fountains Abbey, Studley Royal, and Ripon Excursion.*—Special train will leave the North Eastern Station (New) at 9 A.M. for Nidd Bridge, where carriages will meet the party to convey it by Ripley Castle up the north side of Niddedale to the fantastic rocks at Brimham; thence to Castlestead, where the party will be entertained at luncheon by Mr. George Metcalfe. After luncheon the party will proceed over the moors to Fountains Abbey and Studley Royal, the grounds being specially laid open. Here tea, with light refreshments, will be provided by the Most Hon. the Marquis of Ripon. Having viewed this, the finest of the Cistercian abbeys, the party will proceed to Ripon, where, having seen the cathedral, they will be received and entertained at the Palace by the Bishop of Ripon and Mrs. Boyd-Carpenter. The train will leave Ripon for Leeds at 8.25 P.M., reaching Leeds about 9.30 o'clock.

6. *The Washburn Valley and Farnley Excursion.*—The object of this excursion is to show the waterworks in connection with Leeds, the beautiful scenery of the Mid-Wharfe and Washburn Valleys, and the unique collection of Turner paintings at Farnley Hall. The whole journey will be by carriage. The party will first be conducted to Adel Church, when the Rector will show this most perfect specimen of Norman architecture; thence past Creskeld by Arthington and Port Bridge, through the picturesque village of Leathley, with its old church and village stocks, through Lindley Wood to the Reservoir, where Messrs. Greenwood and Batley will show some interesting torpedo experiments. The party will then proceed over Norwood Edge, whence a splendid view of the whole valley can be obtained by Swinsty Reservoir to Fewston (the Sinking Village). Here lunch will be provided by the Chairman of the Leeds Waterworks Committee, Mr. Alderman Woodhouse. The party will then drive by Snowdon Moors to Farnley Hall, the seat of Mr. Ayscough Fawkes, who has kindly consented to exhibit his unrivalled collection of paintings by J. M. W. Turner, as well as his Cromwellian relics. Thence to Otley, where dinner will be served at the White Horse Hotel, the party reaching Leeds in time for the night mails.

7. *Malham Cove, Gordale Scar, and Settle.*—The object of this excursion is to show the remarkable scenery produced by the Great Craven Fault in the Mountain Limestone, one of the grandest examples in England. A special train will leave the Midland station at 8 A.M., reaching Bell Busk about 9.40 A.M. Here carriages will be waiting to convey the party by Calton Hall, the birthplace of General Lambert, and Kirkby Malham, with its interesting church and registers, to Gordale Scar, described by Wordsworth as “one of the grandest objects in Nature.” The party, having been refreshed at a farmhouse, will divide into two, the more adventurous going over the cliffs to Malham Cove, where they will meet the party who have driven round. Having viewed this magnificent amphitheatre of rocks, the party will return to Kirkby Malham, and will here again divide. The lighter carriages, with those who prefer a walk with an ascent of 700 feet, will go over Highside, where a magnificent view of both Airedale and Ribblesdale can be obtained; thence by Scaleber Force to the Ashfield Hotel at Settle, where, being joined by the other party, who have driven round by Otterburn and Long Preston, dinner will be served. After dinner they will drive up Ribblesdale to great Stainforth Force, returning by Giggleswick, where may be seen the ebbing and flowing well, and the Royal Victoria Cave Remains in the museum at the school. They will then return by Settle to Leeds, which will be reached about 9 P.M.

8. *The Hull Excursion*, most generously offered by the members of the East York and North Lincoln Branch, has had most regretfully to be abandoned.

The fee for each of the above excursions will be 10s. 6d., except in the case of the Scarborough excursion, for which one guinea will be charged. All applications for tickets, with remittance, to be made to me. Tickets will be sent August 1st.

CHARLES M. CHADWICK, Honorary Secretary,
Excursions Sub-committee.

LIST OF CANDIDATES

For Election at Meeting of Council, on Wednesday, August 14th, 1889,
and subject to Confirmation at the October Meeting of Council :—

(14)

- Brown, George, L.R.C.P., L.R.C.S., Ed., Brunswick Street, Batley.
*T. R. Jessop ; *C. G. Wheelhouse ; A. Jackson.
- Brown, Harbit, M.D., Univ. Edin., Calverley, Leeds.
*C. J. R. McLean ; *J. J. Taylor ; *A. E. L. Gray.
- Carruthers, John, M.D., F.R.C.S.E., Rockferry.
*J. W. Paton ; *J. M. Hunt ; A. H. Wilson.
- Crawford, Alex. Wilkie, M.B., C.M., Paisley.
*D. Moffat ; *C. M. Chadwick ; H. Rowe.
- Davis, Frederick Lionel, L.R.C.P., M.R.C.S., Leathley Lodge, Leeds.
C. G. Wheelhouse ; *John Exley ; *C. M. Chadwick.
- Frost, Francis Wm., M.R.C.S., L.R.C.P., Infirmary, Huddersfield.
*R. L. Knaggs ; *J. S. Cameron ; *W. L. W. Marshall.
- Harris, Arthur George Rawson, L.R.C.P., M.R.C.S., Eng., Selbourne House, Halifax.
*G. P. Field ; A. Drury ; *T. M. Dolan.
- Pinder, John William, L.R.C.P., M.R.C.S., L.S.A., Horsforth, Leeds.
*C. Richardson ; *W. Hall ; *C. M. Chadwick.
- Ramsden, Herbert, L.R.C.P., M.R.C.S., Dobeross, Saddleworth.
*C. M. Chadwick ; *W. H. F. Ramsden ; *H. B. Hewetson.
- Sellers, Arthur Edward, L.R.C.P., M.R.C.S., Ida Hospital, Cookridge, Leeds.
*A. F. McGill ; *E. Atkinson ; *H. Littlewood.
- Smith, Thomas, L.R.C.P., Leathley Lodge, Leeds.
*J. E. Eddison ; *C. M. Chadwick ; *Chas. Richardson.
- Smyth, James, L.R.C.S., Pudsey, near Leeds.
*H. B. Hewetson ; *A. Bronner ; *W. L. Hunter.
- Stewart, Daniel, M.D., L.R.C.S.E., Liff-by-Dundee.
*R. Sinclair ; *D. McEwan ; *J. W. Miller.
- Stuart, J. A. Erskine, L.R.C.P., Edin., L.R.C.S., Staincliffe, Dewsbury.
*J. H. Aitken ; W. H. Haley ; Arthur Jackson.

*Are signed from personal knowledge.

Programme of Proceedings.

Tuesday, August 13th, 1889.

- 9.30 A.M.—Meeting of 1888-89 Council. Council Room, Mechanics' Institute.
 11.30 A.M.—First General Meeting. Report of Council. Reports of Committees; and other business. Coliseum.
 4 P.M.—Service in Parish Church. Sermon by the RIGHT REV. THE LORD BISHOP OF RIPON.
 8.30 P.M.—Adjourned General Meeting from 11.30 A.M. President's Address. Coliseum.

Wednesday, August 14th, 1889.

- 9.30 A.M.—Meeting of 1889-90 Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Second General Meeting. Address in Medicine by J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S. Coliseum. Presentation of Stewart Prize to DR. E. KLEIN, F.R.S.
 4.30 P.M.—Surgical Demonstration, Hall of Infirmary.
 4.30 to 6 P.M.—Afternoon Reception at the Yorkshire College, by the President, Council, and Senate of the College.
 4 to 6.30 P.M.—Reception given by COLONEL WILSON, 3rd Vol. Batt. West York. Regt., to Members in the Services, at the Carlton Barracks.
 8.30 P.M.—*Conversazione* by the President of the Association and Local Executive Committee in the Art Gallery and Municipal Buildings.

Thursday, August 15th, 1889.

- 9.30 A.M.—Meeting of the Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Third General Meeting. Address in Surgery by T. PRIDGIN TEALE, M.A., F.R.S., F.R.C.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Gledhow Hall, given by SIR JAMES KITSON, BART.
 7.30 P.M.—Public Dinner of the Association in the Town Hall.

Friday, August 16th, 1889.

- 10.30 A.M. to 1.30 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Concluding General Meeting. Address in Psychology by SIR JAMES CRICHTON BROWNE, M.D., F.R.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. JESSOP, F.R.C.S.
 4.30 to 6 P.M.—Garden Party at the W. R. Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds in the Town Hall.

Saturday, August 17th, 1889.

- 4.0 P.M.—Garden Party at The Palace, Ripon, given by the LORD BISHOP OF RIPON and MRS. BOYD CARPENTER.

EXCURSIONS.—(1) Scarborough; (2) Ilkley and Bolton Abbey; (3) York, Helmsley, Rievaulx Abbey; (4) Harrogate; (5) Brimham Rocks, Fountains Abbey, Studley Royal and Ripon; (6) Washburn Valley and Farnley; (7) Malham Cove, Gordale Scar, and Settle.

Programme of To-day.

Wednesday, August 14th, 1889.

- 9.30 A.M.—Meeting of 1889-90 Council. Council Room, Mechanics' Institute.
- 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
- 3** P.M.—Second General Meeting. Address in Medicine by J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S. Coliseum. Presentation of Stewart Prize to DR. E. KLEIN, F.R.S.
- 4.30 P.M.—Surgical Demonstration, Hall of Infirmary.
- 4.30 to 6.30 P.M.—Afternoon Reception at the Yorkshire College, by the President, Council, and Senate of the College.
- 4 to 6.30 P.M.—Reception given by COLONEL WILSON, 3rd Vol. Batt West York. Regt., to Members in the Services, at the Carlton Barracks.
- 8.30 P.M.—*Conversazione* by the President of the Association and Local Executive Committee in the Art Gallery and Municipal Buildings.

NOTICE.—*Speeches at General Meetings must not exceed TEN minutes each. At the Sectional Meetings no Paper must exceed FIFTEEN minutes in reading, and no subsequent speech must exceed TEN minutes.*

FRANCIS FOWKE, *General Secretary*

American and Foreign Delegates are requested to present their credentials to the General Secretary at his Office, that their names may be announced at the General Meeting.

Agenda.

SECOND GENERAL MEETING OF MEMBERS,

Wednesday, August 14th, 1889,

AT THREE O'CLOCK IN THE AFTERNOON.

ADDRESS IN MEDICINE BY

J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S.,

IN THE

COLISEUM.

Presentation of Stewart Prize to Dr. E. Klein, F.R.S.

Sectional Arrangements.

The following Discussions and Papers are promised up to the present time. Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 36 .)

SECTION A.—MEDICINE.

(HEAD MISTRESS'S ROOM, MECHANICS' INSTITUTE.)

A. MEDICINE.—*President*, John Edwin Eddison, M.D. *Vice-Presidents*, Charles Parsons, M.D.; Robert Saundby, M.D. *Honorary Secretaries*, Alfred George Barrs, M.D., 22, Park Place, Leeds; Theodore Dyke Acland, M.D., 7, Brook Street, Grosvenor Square, W.

The proceedings of this Section will be opened by the President at 10 a.m., after which Dr. R. Douglas Powell will read a paper on the **Clinical Aspects of Chronic Tubercular Diseases of the Serous Membranes and their Treatment**. Sir Andrew Clark, Drs. Vincent Harris, Roberts, Samuel West, Churton, Cheadle, Handford, More Madden, and Burney Yeo have promised, if possible, to take part in the discussion.

The following papers are promised :

- BROWN-SEQUARD, C.E. The Toxicity of Expired Air and its Connection with Pulmonary Tuberculosis.
- CUTTER, Ephraim, M.D. (New York). Thirty years' work in the United States in the treatment of Tuberculosis Pulmonalis, with Statistics of 100 cases, illustrated by Lantern Slides of Micro-photographs of Healthy and Tuberculous Lungs.
- DRYSDALE, C. R., M.D. The Alleged Rarity of Phthisis among the Jews in London.
- MADDEN, T. More, M.K.Q.C.P.I. Clinical Experiences of Chronic Tubercular Diseases of Childhood.
- SATTERTHWAITE, T. E., M.D. On Non-phthisical Bronchial Pneumonia of the Adult Lung.
- THOMAS, W. R., M.D. On Phthisis, with Remarks on the Varieties of Climatic Treatment.
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SECTION B.—SURGERY.

(LECTURE THEATRE, No. 13, SCHOOL OF SCIENCE.)

B. SURGERY.—*President*, Thomas Richard Jessop, F.R.C.S. *Vice-Presidents*, Edward Atkinson, M.R.C.S.; Arthur F. McGill, F.R.C.S.;

Henry Morris, F.R.C.S. *Honorary Secretaries*, Arthur W. Mayo Robson, F.R.C.S., Hillary Place, Woodhouse Lane, Leeds; Edward Ward, M.B., 22, Park Place, Leeds.

The President of the Surgical Section will give an Opening Address on the Treatment of Cancer of the Rectum. The following gentlemen will take part in the discussion:—Mr. Mitchell Banks (Liverpool), Mr. Bond (Leicester), Mr. Bryant (London), Mr. Harrison Cripps (London), Mr. Christopher Heath (London), Mr. Whitehead (Manchester), Dr. Alexander (Liverpool), Mr. H. Allingham (London), Mr. Alfred Cooper (London), Dr. Ward Cousins (Southsea), Mr. Vincent Jackson (Wolverhampton), Mr. Jordan Lloyd (Birmingham), Mr. F. Marsh (Birmingham), Dr. James Murphy (Sunderland), Mr. Bennett May (Birmingham), and Mr. F. B. Jessett (London).

The following further papers are announced :

MARSH, F., F.R.C.S., will exhibit a Patient after Madelung's Operation, with subsequent Excision of Rectum.

BISHOP, E. Stanmore (Manchester), will show a Splint Cradle for Excision of the Hip-Joint and Osteotomy.

ROBSON, A. W. Mayo (Leeds). Two Hundred Consecutive Cases of Abdominal Section, with remarks; and will show a Successful Case of Cholecystenterostomy for Biliary Fistula.

LLOYD, Jordan, Esq. (Birmingham). Abdominal Section for Acute Intestinal Obstruction.

PARKER, Rushton, Esq. Cerebral Tumour removed Successfully.

WHITE, J. William, M.D. (Philadelphia). The relations of Subdiaphragmatic Abscess to the Thoracic Viscera, with three Illustrative Cases.

ALLINGHAM, H. W., F.R.C.S. The Ligamenta Alaria as a Cause of Internal Derangements of the Knee-Joint.

FRANKS, Kendal, F.R.C.S. Subcuticular Suture.

There will be a Demonstration of Cases of Surgical Interest in the Central Hall of the Infirmary, from 4.0 to 5.30.

SECTION C.—OBSTETRIC MEDICINE AND GYNÆCOLOGY.

(ENGINEERING CLASS ROOM, MECHANICS' INSTITUTE.)

C. OBSTETRIC MEDICINE AND GYNÆCOLOGY.—*President*, Charles J. Cullingworth, M.D. *Vice-Presidents*, James Braithwaite, M.D.; J. W. Byers, M.D. *Honorary Secretaries*, F. Hall, M.D., St. Mark's House, Leeds; Peter Horrocks, M.D., 9, St. Thomas's Street, S.E.

PRESIDENT will give a short opening address on some further application of antiseptic principles to midwifery practice.

Dr. BRAXTON HICKS, F.R.S., will open a discussion on the Treatment of *Placenta Prævia*. Drs. Robert Barnes, Murdoch Cameron, Gervis, W. Goodell (Philadelphia, U.S.), Robert Harvey (Bengal), Aust Lawrence, Malins, Murphy, Playfair, Priestley, Macnaughton Jones, Robert Bell, William Walter, Wallace, and Messrs. Hall and Wright are expected to take part in the discussion.

The following further papers are announced :

- JOHNSTONE, A. W., M.D. (Danville, U.S.A.) The Mechanics of Puberty.
 MADDEN, T. More, M.K.Q.C.P.I. On Some Points in the Treatment of Uterine Cancer.
 NAIRNE, J. Stuart, Esq. Some Practical Points in the Surgical Treatment of Cancer of the Uterus.
 SINCLAIR, W. J., M.D. (Manchester). 1. Vaginal Hysterectomy for Cancer, with notes of ten Cases. 2. Oöphorectomy in the Treatment of Certain Neuroses ; with Cases.
 WALTER, Wm., M.D. A Case of Total Extirpation of Uterus for Cancer.
 HART, D. Berry, M.D., will show Specimens of *Placenta Provia* and Extra uterine fretation.
 HART, D. Berry, M.D. On the definition of the terms used in relation to the *Hæmorrhages* at the end of Pregnancy.

SECTION D.—PUBLIC MEDICINE.

(PHILOSOPHICAL HALL.)

D. PUBLIC MEDICINE.—*President*, Edward Ballard, M.D., F.R.C.P., F.R.S. *Vice-Presidents*, George Goldie, L.R.C.P., Edin. ; Benjamin A. Whitelegge, M.D. *Honorary Secretaries*, George Eastes, M.B., F.R.C.S., 35, Gloucester Place, Hyde Park, W. ; Arthur Stopford Underhill, M.D., D.P.H., Great Bridge, Tipton, Staffs.

The following special subjects will be considered in this Section :

1. Medical Officers of Health : their Training and the Conditions on which they should hold Office. The President of the Section will introduce this subject. Dr. John Brown (Bacup), Dr. D. E. Flinn (Kingstown), Dr. G. E. J. Greene (Ferns), Mr. J. Brindley James (London), and others have promised to read papers or take part in the discussion. Dr. C. F. Moore, Dublin, will contribute Notes on the Disposal of Town Refuse and Excremental Matter.

2. Disinfection and Isolation : with special reference to the control of Epidemics. Dr. C. H. Allfrey (St. Mary Cray) will read a paper on "The Management of Infectious Diseases in Hotels." Dr. W. Squire will read a paper on "Disinfection and Isolation as necessary to the Control of Epidemics." Dr. C. R. Drysdale (London), Dr. E. W. Hope, and Dr. Joseph Loane (London) will take part in this discussion.

3. **Town Refuse: its Treatment and Disposal.** Excremental Matter: its Treatment and Disposal by other Methods than that of Sewers. Dr. E. Slade-King (Ilfracombe) will read a paper on "Town Refuse: its Collection and Disposal in Smaller Towns." Dr. M. Greenwood, jun., will read a paper on "Dusting in our Large Towns," and will take part in the discussion on "Town Refuse: its Treatment and Disposal." Dr. D. E. Flinn (Kingstown), Dr. G. E. J. Greene (Ferns), and others will also take part in this discussion. Dr. C. F. Moore, Dublin, will contribute Notes on the Disposal of Town Refuse and Excremental Matter.

4. **Diseases and Injuries caused by Special Occupations: with reference to their Prevention.** Dr. T. Churton (Leeds), Dr. J. T. Arlidge, Dr. G. E. J. Greene (Ferns), and others will take part in the discussion.

5. **Contamination of Drinking-water by Lead: its Causes and Prevention.** Dr. Sinclair White (Sheffield) will read a paper on this subject. Dr. John Brown (Bacup), and Dr. T. Churton (Leeds) will take part in this discussion.

The following further papers are announced:

ARLIDGE, J. T., M.D. (Newcastle-under-Lyme). On Diseases in Some Occupations Produced by Noxious or Poisonous Dusts.

CHURTON, T., M.D. (Leeds). Results of 'Twelve Mouths' Systematic Inquiry into the Sanitary State of the Homes of Hospital In-patients.

DRYSDALE, C. R., M.D. (London). Class Mortality Statistics.

FLINN, D. E., F.R.C.S.I. (Kingstown). On the Public Cleansing of Towns viewed in Relation to Public Health.

JAMES, J. Brindley, M.R.C.S. (London). 1. Town Refuse: its Treatment and Disposal. 2. A Cabinet Minister of Public Health.

KING, E. Slade, M.O.H. (Great Torrington). Town Refuse: its Collection and Disposal in the Smaller Towns.

SECTION E.—PSYCHOLOGY.

(CLASS ROOM 3, SCHOOL OF SCIENCE.)

E. PSYCHOLOGY.—*President*, D. HACK TUKE, F.R.C.P., LL.D. *Vice-Presidents*, W. Bevan Lewis, L.R.C.P.; Ringrose Atkins, M.D. *Honorary Secretaries*, John Greig; McDowall, M.D., Menston Asylum, near Leeds; Robert Percy Smith, M.D., Bethlem Royal Hospital, S.E.

Presidential Address, Dr. HACK TUKE, on the Past and Present Provision for Pauper Lunatics in Yorkshire, introducing for discussion the question, "Ought the Future Provision for this Class to be on the Same Lines?" Drs. Bevan Lewis and Yellowlees will take part in the discussion.

Dr. W. W. IRELAND will open a discussion on the Double Brain, and the Discordant Action of the Two Hemispheres in Insanity.

DRs. Bevan Lewis, Hughlings Jackson, Fletcher Beach, and T. Otterson Wood, will take part in the discussion.

ROBERTSON, George, M.D. Melancholia from an Evolutionary and Physiological Point of View.

SAVAGE, G. H., M.D. Massage Treatment of Some Forms of Melancholia.

SECTION F.—PATHOLOGY AND PHYSIOLOGY.

(PHYSICS LECTURE ROOM, No. 11, SCHOOL OF SCIENCE.)

F. PATHOLOGY AND PHYSIOLOGY.—*President*, Joseph Coats, M.D. *Vice-Presidents*, Thomas Churton, M.D.; De Burgh Birch, M.D. *Honorary Secretaries*, Ernest Henry Jacobs, M.D., 12, Park Street, Leeds; T. Wardrop Griffith, M.D., 23, Park Square, Leeds.

A discussion on the subject of **Fever** will be opened by Dr. T. J. MACLAGAN. Dr. Gairdner, Dr. Dreschfeld, Dr. Handford, Dr. Broadbent, and Dr. Sims Woodhead will take part in the discussion.

The following further papers are announced :

CHURTON, Dr. Indicanuria.

CROOKE, G. F., M.D. The Histology of Bright's Disease.

MOTT, F. W., M.D. The Pathology of Cardiac Failure.

WILLIAMS, Roger, Esq. The Neoplastic Process from an Evolutional Standpoint.

The Pathological Museum will be held in the Chemical Laboratory of the Leeds School of Science (Mechanics' Institute). Dr. Bevan Rake will show a series of preparations illustrative of the various lesions of Leprosy.

President's Address.

SECTION G.—OPHTHALMOLOGY.

(CLASS ROOM 5, SCHOOL OF SCIENCE.)

G. OPHTHALMOLOGY.—*President*, George Anderson Critchett, F.R.C.S. Edin. *Vice-Presidents*, John Albert Nunneley, M.B.; George A. Berry, M.B. *Honorary Secretaries*, Gustavus Hartridge, F.R.C.S., 65, Green Street, Grosvenor Square, W.; R. N. Hartley, M.B., 29, Blenheim Terrace, Leeds.

Mr. JONATHAN HUTCHINSON will open a discussion on the Treatment of Glaucoma. Messrs. Couper, Frost, Evan Jones, Green, Griffith, Hutchinson, Little, Mackinlay, Macnaughton Jones, Prichard, Scougal, Sympton, Tweedy, Cant, and Lloyd Owen have promised to take part in the discussion.

The following further papers are announced :

- BENSON, A. H., M.B. Pulsating Tumour of Orbit cured by Digital Pressure.
- BERRY, G. A., M.B. St Petersburg Operation for Entropion and Trichiasis.
- BICKERTON, Thomas H., M.R.C.S. Criticism of the various Tests for Colour-Blindness, with special reference to the Board of Trade Tests, and further examples of Defective Eyesight occurring in Sailors.
- BRONNER, Adolf, M.D., will show a Hook for Removing Remains of Lens Capsule.
- CANT, W. J., M.R.C.S. A Case of Paralysis of the Right External Rectus Muscle after Injury to the Left Temple (*contre coup*?).
- COLLINS, W. J., M.D. The Composition of the Human Lens in Health and in Cataract, and its Bearing upon Operations for the latter.
- CROSS, F. Richardson, M.R.C.S. Muscular Advancement.
- EMRYS-JONES, A., M.D. The Value of Galvano-Cautery in the Treatment of Conical Cornea (6 cases).
- FORD, Vernon, M.R.C.S. The Value of Peritomy in Ulcers of the Cornea, etc.
- FROST, W. Adams, F.R.C.S., will show a series of Ophthalmoscopic Drawings thrown on to a Screen.
- GROSSMAN, K. I., Note on Test for Colour-blindness. 2. *Blenorrhœa Neonatorum*.
- HARTLEY, R. N., M.B., will show (1) Modification of Sichel's Knife for Cataract Operations. (2) Cases of Soft Cataract treated by Suction. (3) Cases of Hard Cataract extracted without Iridectomy.
- HARTRIDGE, G., F.R.C.S., Case of Pulsating Exophthalmos cured spontaneously by suppuration of Contents of Orbit.
- HERN, John, M.D. Scleritis from Dental Irritation.
- HEWETSON, H. B., M.R.C.S. (1) Series of Cataract Operations without Iridectomy. (2) Series of cases of Interstitial Keratitis treated by Syndectomy.
- JOHNSON, G. L., F.R.C.S. Observations on the Therapeutical Action of the Violet and Ultra-violet Rays of Light on Vision.
- MONEY, Angel, M.D. Sudden Transient Ocular Phenomena in Children.
- MULES, P. H., M.D. Peripheral Neuritis of the Ophthalmic Division of the Fifth Nerve, and its Clinical Bearings.
- SNELL, Simeon, M.R.C.S. Extraction of Cataract without Iridectomy.
- TEALE, T. Pridgin, M.B., F.R.S. Description of the Operation he employs for Extraction of Cataract without Iridectomy.
- THOMPSON, J. T., M.B. (1) A Note on a case of Superficial Keratitis induced by Aniline Violet. (2) Necrosis of Cornea from Contact with Crude Creasote.

SECTION H.—DISEASES OF CHILDREN.

(CLASS ROOM 1, SCHOOL OF SCIENCE.)

H. DISEASES OF CHILDREN.—*President*, Thomas Scattergood, M.R.C.S.—*Vice-Presidents*, Richard Favell, M.R.C.S. ; A. H. Carter, M.D. *Honorary Secretaries*, Walter Henry Brown, F.R.C.S.I., 19, Queen Street, Leeds ; Angel Money, M.D., F.R.C.P., 24, Harley Street, Cavendish Square, W.

A discussion on the following subject will take place: **The paralysees of the first two years of life. What is the relative frequency of paralysis from brain, cord, and nerve disease? What is the nature of the changes in the centres and nerves?** This will probably be opened by the Honorary Medical Secretary. Papers will be read on the various forms of infantile paralysis: spastic paraplegia, congenital chorea, infantile palsy, and diphtheritic paralysis.

Surgical Portion.—Subject for discussion: **The Surgical Treatment of the Various Congenital Malformations.** Mr. Walsham and Mr. Morgan will take part in the discussion.

The following further papers are announced :

- ASHBY, Henry, M.D. A case of Softening of an Infant's Brain due to Vascular Obstruction. Also a case of Acute Polio-myelitis; death six weeks after the Acute Attack. The specimens will be shown.
- BALLANTYNE, J. W., M.B., F.R.C.S.Ed. Sclerema and (Edema of New-born Infants.
- BARES, A. G., M.D., will show some Cases Illustrative of Palsy in Infants.
- BROWN, John, M.B. (Bacup). Unsuspected Lead-poisoning in Children.
- BURY, Judson S., M.D. On a Case of Microcephalus with Spastic Paralysis, and will show a Specimen.
- CHURCHILL, F., M.D. Hare-lip Operations.
- CHURTON, T., M.D., Meningitis following slight Injuries to the Head.
- MORGAN, J. H., F.R.C.S. Congenital Malformations.
- SQUIRE, W., M.D. Cases of Infantile Palsy, Spastic Paraplegia, and Diphtheritic Paralysis in Children.
- SYMPSON, Mansel, M.B. (1) A Case of Cerebral Birth Palsy with Epileptoid Convulsions. (2) A Case of Infantile Palsy, with comments.
- WALSHAM, W. J., F.R.C.S. Ectopia Vesicæ.
- WARNER, F., M.D. The Frequency of Coincidental Defects in Development as seen in Children.

SECTION I.—LARYNGOLOGY.

(CLASS ROOM 2, SCHOOL OF SCIENCE.)

I. LARYNGOLOGY.—*President*, Henry T. Butlin, F.R.C.S. *Vice-Presidents*, Francis de Havilland Hall, M.D.; Richard A. Hayes, M.D. *Honorary Secretaries*, Greville Macdonald, M.D., 47, Queen Anne Street, Cavendish Square, W.; Barclay J. Baron, M.D., 16, Whiteladies Road, Bristol.

The following subjects are proposed for special discussion :

1. Tonsillitis: Its Varieties and Association with Rheumatism.
2. Perichondritis of the Larynx: its Etiology, Pathology, Symptoms, and Treatment.

Dr. R. Hingston Fox and Dr. Barclay J. Baron will take part in the discussions.

The following gentlemen have promised papers on these subjects : Dr. C. W. Haig-Brown, Dr. P. McBride, Dr. G. Macdonald, Dr. David Newman, Dr. Scanes Spicer, and Mr. Lennox Browne ; and the following will take part in the discussions : Dr. Dundas Grant, Dr. Hodgkinson, Mr. T. Mark Hovell, Dr. C. J. Lewis, Dr. S. Moritz, Dr. G. Hunter Mackenzie, Dr. Scanes Spicer, Mr. G. Eland Stewart, Dr. Archibald Garrod, Dr. Warden, Dr. A. Mantle, and Dr. de Havilland Hall.

The following further papers are announced :

- BARON, Barclay J., M.B. A Case of Bilateral Paralysis of Abductors of the Vocal Cords.
- HAILES, W. J., M.D. (Albany, N. Y.). Intubation of the Larynx, 60 Cases, 20 Recoveries, with Instruments.
- LAWRENCE, L. H., F.R.C.S. Granular Pharyngitis.
- MACDONALD, Greville, M.D. Empyema of the Maxillary Sinus, with an analysis of twelve cases.
- MACKENZIE, G. Hunter, M.D. Cases of Infraglottic Laryngeal Disease ; (1) a Web removed by Laryngotomy ; (2) a Growth a Sequel of Acute Laryngitis ; (3) Intubation of the Larynx.
- MORITZ, S., M.D. A Case of Acute Rheumatic Bilateral Paralysis of the Abductors of the Vocal Cords.
- MURPHY, JAMES, M.D. A Retractor for use in Tracheotomy.
- NEWMAN, David, M.D. A case of Laryngeal Carcinoma complicated by Chronic Pulmonary Tuberculosis, with remarks respecting the rare coincidence of these diseases.
- SPICER, R. H. Scanes, M.D. Throat and Nose Affections in Children as Causes of Functional Nervous Disorders.
- STEWART, G. Eland, M.R.C.S. Tonsillitis as a Cause of Abscess in the Neck.
- STOKER, George, M.K.Q.C.P.I. Laryngitis and Rhinitis in Diabetes.
- ZWAARDEMAKER, H., M.D. (Utrecht). New Olfactometers for Estimating Degree of Loss of Smell (shown and described for the author by Dr. Scanes Spicer).

SECTION J.—OTOLOGY.

(ELEMENTARY DIVISION, MECHANICS' INSTITUTE.)

J. OTOLOGY.—*President*, George P. Field, M.R.C.S. *Vice-Presidents*, Frederick Morrish Pierce, M.D. ; Henry Bendelack Hewetson, M.R.C.S. *Honorary Secretaries*, Adolf Bronner, M.D., 33, Manor Row, Bradford ; G. William Hill, M.B., 24, Wimpole St., W.

The President, George Field, Esq., will open the proceedings of the Section by an address.

Subject for discussion :—

The Influence of Diseases of the Nose and Pharynx on Affections of the Middle Ear.

Opened by the Vice-Presidents, F. W. Pierce, Esq., and H. Bendelack Hewetson, Esq.

The following further papers are announced :

- BRONNER, Adolf, M.D. (Bradford). Notes on the Use of Menthol in the Local Treatment of Diseases of the Middle Ear ; and will show (1) a Catheter for the Injection of Fluids, and (2) a Capsule for the Introduction of Vapours into the Middle Ear.
- DAVIS, Henry, M.R.C.S. (London). On the question of Anæsthetics in Operations for Adenoid Growths of the Naso-Pharynx.
- GUYE, Professor (Amsterdam). On Aprosexia, being the inability to fix the attention, and other allied troubles in the cerebral functions caused by nasal disorders.
- HILL, William, M.B. (London). On some Causes of Backwardness and Stupidity in Children ; and will show Intranasal Guards for the Safer application of Chromic Acid to the Nasal Cavities.
- STONE, George, L.R.C.P. & S., Ed. (Liverpool). A Case of Severe Unilateral Tinnitus due to Stricture of the Eustachian Tube cured by Persistent Bougieing.

SECTION K.—PHARMACOLOGY AND THERAPEUTICS.

(CLASS ROOM 10, SCHOOL OF SCIENCE.)

K. PHARMACOLOGY AND THERAPEUTICS.—*President*, Sir William Roberts, M.D., F.R.S. *Vice-Presidents*, T. Cranstoun Charles, M.D. ; I. Burney Yeo, M.D. *Honorary Secretaries*, John B. Hellier, M.D., 1, De Grey Terrace, Leeds ; Dawson Williams, M.D., 25, Old Burlington Street, W.

The proceedings of the Section will be opened at 10 a.m. by an address by the President, on Certain Practical Points in the use of Antacid Remedies in Dyspepsia and Gravel.

At 10.30 a.m., a discussion on **Hypnotics and Analgesics**, with special reference to remedies recently introduced, namely, Paraldehyde, Hypnone, Amylene Hydrate, Methylal, Sulphonal, will be opened by Dr. D. J. Leech, Professor of Therapeutics in the Victoria University, Manchester. Dr. Charteris, Professor of Therapeutics in the University of Glasgow, Sir J. Crichton Browne, Dr. W. H. Broadbent, Dr. Frederick Needham (Gloucester), Dr. Macnaughton Jones, Dr. T. Cranstoun Charles, and Dr. John Gordon (Aberdeen) have signified their intention of taking part in the discussion.

The following papers have been promised :

- CHARLES, T. Cranstoun, M.D. (London). 1. The Hot-air Treatment of Pulmonary Consumption. 2. Notes on the use of Parauquay Tea.
- GORDON, John, M.D. (Aberdeen). On the Pharmacology of Urethane.
- SOLLY, Samuel E., M.R.C.S., L.S.A. (Colorado Springs). On the Climate of Colorado.
- TAYLOR, T. Cleasby, M.D. Grand Canary, its Climate and Waters.
- MILLER, A. C., M.D. The Mountain Cure of Phthisis, with special reference to its adoption on Ben Nevis.

British Medical Association.

REGULATIONS FOR THE CONDUCT OF ANNUAL GENERAL MEETINGS OF THE BRITISH MEDICAL ASSOCIATION.

General Control of Meeting.

1. The programme of the Annual General Meeting shall be under the control of the Council. The following Regulations shall guide the Committee of Arrangement and any local Committee that may be formed :--

Necessity of Limiting the Expenditure.

2. The gradual and constant increase of the Members of the British Medical Association renders it expedient to express the strong opinion of the Council that the medical men of the locality at which the Association holds its Meeting should not deem it necessary to incur a large expenditure, as otherwise the choice of a place of meeting must be more and more limited to the larger towns of the kingdom.

Annual Dinner.

3. The Annual Dinner shall be under the control of the Council.

Papers to be read at Meeting.

4. All Papers intended to be read at the Annual Meeting shall be forwarded, together with an Abstract, to the Secretaries of Sections ten days before the Annual Meeting takes place, excepting the Addresses of the Presidents of Sections or the Addresses to be delivered in General Meeting.

Directions for Sections.

5. The Presidents, Vice-Presidents, and Secretaries of Sections shall form a Committee of Reference, with power to accept, decline, or postpone any Paper, and to arrange the order in which the Papers shall be read.

Grouping of Papers for Discussion.

6. The Papers in each Section shall, as far as possible, be grouped together, so as to ensure a general discussion on kindred subjects.

Length of Time to be occupied by Papers or Speeches.

7. No communication shall occupy more than fifteen minutes, and no person shall be permitted to speak more than once or for more than ten minutes during the discussion thereon.

Resolutions at Annual Meetings.

8. No Motion shall be brought forward at the Annual Meeting unless it has been proposed by the Council or a Committee of the Association, or notice of the same shall have been given on the previous day, in writing, to the General Secretary, to be entered on the Agenda of the day and printed in the Daily Journal. This does not apply to Amendments moved in due form.

Meeting of Council.

9. The Council of the Association shall meet on the first day of the Annual Meeting, and the First General Meeting of the Association shall be held in the evening.

Reports of Committee.

10. All Reports of Committees of the Association shall be printed in the JOURNAL before the Annual Meeting.



List of Members

WHO HAVE REGISTERED THEIR NAMES.

- Adams, W., 5, Henrietta Street, Cavendish Square; Great Northern Hotel.
Aldridge, C., M.D., Plympton House, Plympton, South Devon; Great Northern Hotel.
Allbutt, H. A., 24, Park Square, Leeds.
Allfrey, C. H., M.D., St. Mary Cray; 1, Moorland Terrace.
Allan, J., M.D., Beckett Street, Leeds.
Althorp, C. F. M., Bradford Infirmary.
Amyot, T. E., Diss, Norfolk; Red Lion Hotel.
Anderson, T., M.D., 4, Upper Berkeley Street, London; Quarrydene, Weetwood, Leeds.
Anningson, J. W., 11, Yorkshire Street, Burnley; Park House, Aberford.
Aplin, Alfred, M.D., County Asylum, Sneinton, Nottingham; Queen's Hotel.
Arlidge, J. T., M.D., The High Grove, Stoke-upon-Trent; Bridge House, Haworth, Keighley.
Arthur, J., Wingote, Ferryhill, co. Durham; Griffin Hotel.
Atkinson, G. P., Pontefract; 2, Eldon Place.
Atkins, R., M.D., District Lunatic Asylum, Waterford; Adel Grange, Leeds.
Atkinson, R., Cliffe Cottage, Rippondon, Halifax.
Atkinson, Edward, 16, Blenheim Terrace, Leeds.
Ballaree, E., M.D., 12, Highbury Terrace, N.; Fredk. Baines Esq., Westwood Lodge, Leeds.
Barlow, J., M.D., 27, Elmbank Crescent, Glasgow; 31, Lyddon Terrace, Leeds.
Bacon, Alfred Thomas, West Field, Leeds.
Bampton, H., M.D., Brookfield, Ilkley.
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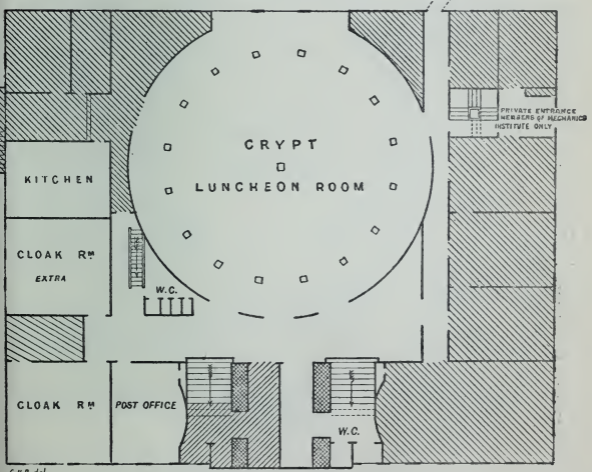
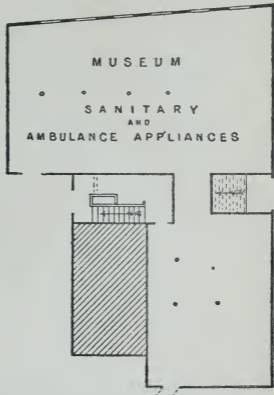
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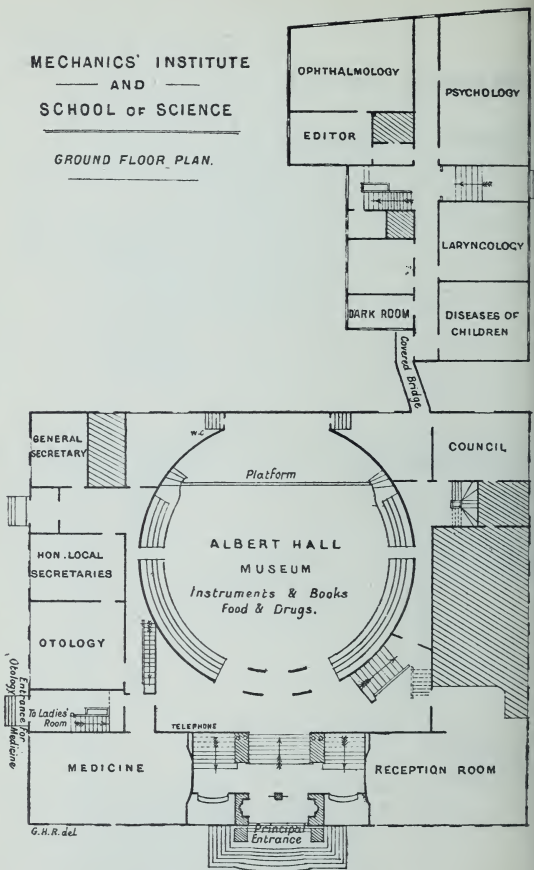


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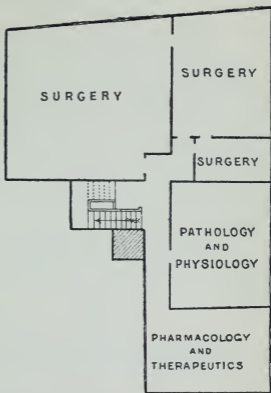
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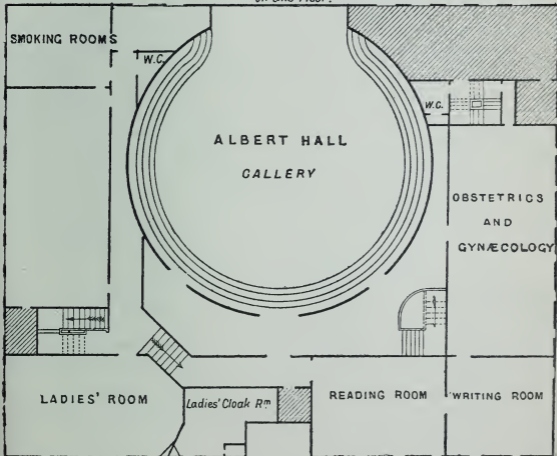


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FIFTY-SEVENTH ANNUAL MEETING,

LEEDS, 1889.

Daily Journal.

No. 3.

Thursday Morning, August 15th.

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 Dr. A. G. Barrs.

Mr. J. B. Carter.
 Mr. A. F. McGill.

SOIRÉE SUB-COMMITTEE.

Mr. Edward Atkinson, *Chairman*.
 Dr. A. G. Barrs, *Secretary*.
 Dr. de Burgh Birch.
 Dr. J. E. Eddison.

Mr. H. Bendelack Hewetson.
 Mr. F. Holmes.
 Mr. J. S. Loe.
 Mr. Edward Ward.

GENERAL PURPOSES, HOTELS, LODGINGS, ETC., SUB-COMMITTEE.

Mr. Chas. J. Wright, *Chairman*.
 Mr. E. O. Croft, *Secretary*.
 Mr. John Hallilay.

Mr. J. B. Hargreaves.
 Mr. J. J. Pickles.
 Mr. G. Stamp Taylor.

Officers' Badges.

The Sectional Secretaries and Local Officers will wear Badges, thus:—

GREEN—*Secretaries of Sections*, with the initial letters of their respective Sections—Medicine (M.), Surgery (S.), Obstetrics, &c. (O.), Public Medicine (P.M.), Psychology (Psy.), Pathology and Physiology (P.P.), Ophthalmology (Oph.), Diseases of Children (C.), Laryngology (L.), Otology (Ot.), Pharmacology and Therapeutics (P.T.)

BLUE—*Secretaries of Sub-Committees*—Reception (R.), Soirée (S.), Dinner (D.), Hotel and Lodgings (H.L.), Excursions (E.), Museums (M.), and Sections (Ma.), (Mb.), (Mc.), (Md.), (Me.) respectively. The Stewards to the Conversazione and Dinner, and the gentlemen in charge of the various Excursions, will also wear Badges.

RED— { *Honorary Local Secretaries* (Hon. Sec.)
 { *Honorary Local Treasurer* (T.)

General Arrangements.

All General Meetings of the Association will be held in the Coliseum, in Cookridge Street, and the Public Medicine Section will meet at the Philosophical Hall, in Park Row. With these two exceptions, the whole of the work of the Meeting will be done in the Mechanics' Institute and adjoining School of Science.

THE RECEPTION ROOM

Will be found by turning to the right on entering the Mechanics' Institute by the principal door in Cookridge Street. It will be open on Monday, August 12th, from 12 o'clock noon until 8 p.m., and during the rest of the Meeting from 9 a.m. to 6 p.m.

POST AND TELEGRAPH OFFICE.

TELEGRAPHIC ADDRESS:—"CONGRESS," LEEDS.

A special office will be open until 7 p.m. each day during the Meeting in the basement of the Mechanics' Institute (down the left-hand staircase opposite the principal entrance). Members are particularly requested to ask at the Post Office for letters and telegrams. Each morning lists will be posted up of the names of those for whom letters and telegrams received the previous day are waiting. The Letter-box is in the passage outside the Post Office.

TELEPHONE.

On the Ground Floor, Mechanics' Institute. Exchange, No. 600. (See Plan.)

READING AND WRITING ROOMS

Are provided on the First Floor of the Mechanics' Institute, and are most easily reached by the staircase near the Reception Room door.

LUNCHEON ROOM

In the Crypt of the Mechanics' Institute. Luncheon will be provided at a cost of 2s. 6d., from 12 to 3 o'clock daily.

SMOKING ROOM

On the First Floor of the Mechanics' Institute. (Staircase near Medicine Section Room, Special Entrance, Vernon Street).

NEWSPAPER STALL.

Messrs. Goodall and Suddick will supply a Newspaper Stall, which will be found immediately on the right inside the principal entrance of the Mechanics' Institute. London Papers will arrive at 10.10 a.m.

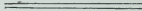
LADIES' ROOM AND CLOAK ROOM

(WITH ATTENDANT),

On the First Floor of the Mechanics' Institute (special entrance, Vernon Street).

DRESSING ROOM.

Arrangement for the above, from 10 a.m. to 9 p.m., has been made at the Trevelyan Hotel, Boar Lane, at a charge of 1/- each member making use of it. Dressing Bags may be left in charge of the Manager.



Access to Sectional Meeting Rooms, etc.

In consequence of the narrowness of the passages in the Mechanics Institute and School of Science, and especially of the single one which forms the sole means of communication between these two buildings, Members are *particularly requested* to consult the Table given below, and as far as possible to enter by the door, the name of which is placed opposite the room they wish to reach.

SECTIONS.

	<i>Building.</i>	<i>Floor.</i>	<i>Door.</i>
A. Medicine	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
B. Surgery	School of Science ..	First ..	Rossington Street.
C. Obstetric Medicine	Mechanics' Institute..	First ..	Cookridge Street. (Principal).
D. Public Medicine	Philosophical Hall ..		In Park Row.
E. Psychology	School of Science ..	Ground ..	Rossington Street.
F. Pathology and Physiology ..	" ..	First ..	"
G. Ophthalmology	" ..	Ground ..	"
H. Diseases of Children	" ..	" ..	"
I. Laryngology	" ..	" ..	"
J. Otology	Mechanics' Institute..	" ..	Cookridge Street (Principal).
K. Pharmacology and Therapeutics	School of Science ..	First ..	Rossington Street.

MUSEUM.

A. Food and Drugs	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
B. Pathology	} School of Science ..	Second ..	Rossington Street.
C. Anatomy and Physiology			
D. Instruments and Books	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
E. Sanitary and Ambulance Appliances	School of Science ..	Basement	Rossington Street.

GENERAL ROOMS.

Reception	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Reading and Writing	" ..	First ..	"
Ladies'	" ..	" ..	Vernon Street.
Luncheon	" ..	(Crypt)	Cookridge Street
		Basement	(Principal).
Cloak	" ..	" ..	"
Post and Telegraph Office	" ..	" ..	"

OFFICIAL.

Council Room	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Editor's Room	School of Science ..	" ..	Rossington Street.
General Secretary's Room	Mechanics' Institute..	" ..	Vernon Street (2nd door).
Local Secretaries' Room	" ..	" ..	"

The Annual Museum.

IN connection with the Fifty-seventh Annual Meeting of the British Medical Association, the Museum and Exhibition will be held in the Albert Hall, and the Covered Play-ground and Chemical Laboratory of the Leeds School of Science (Mechanics' Institute).

The Museum will be arranged in the following sections :—

SECTION A.—In the Albert Hall, FOODS AND DRUGS, including Antiseptic dressings and other Chemical and Pharmaceutical preparations. *Honorary Secretaries*, Dr. J. Hellier, 1, De Grey Terrace, Leeds; Mr. C. V. Newstead, 40, Headingley Lane, Leeds.)

SECTION B.—In the Chemical Laboratory, PATHOLOGY, comprising casts, models, diagrams, apparatus, microscopical and spirit preparations, etc. *Honorary Secretaries*, Dr. J. Dobson, 27, Burley Lawn, Leeds; Dr. E. H. Jacob, 12, Park Street, Leeds.

SECTION C.—In the Chemical Laboratory, ANATOMY AND PHYSIOLOGY, comprising special dissections, methods of preparation, drawings, models, microscopes, microtomes, and microscopic preparations. *Honorary Secretaries, Physiology*, Dr. De Burgh Birch, 16, De Grey Terrace, Leeds. *Anatomy*, Dr. Wardrop Griffith, 23, Park Square, Leeds.

SECTION D.—In the Albert Hall, INSTRUMENTS AND BOOKS, including appliances, medical, surgical, and electrical. *Honorary Secretaries, Instruments*, Mr. W. H. Brown, 19, Queen Street, Leeds. *Books*, Mr. F. H. Mayo, 49, Otley Road, Leeds.

SECTION E.—In the Covered Play-ground, School of Science, SANITARY AND AMBULANCE APPLIANCES. *Honorary Secretaries, Sanitary*, Mr. J. S. Loe, Grafton Street, Leeds. *Ambulance*, Mr. R. N. Hartley, Blenheim Terrace, Leeds.

Chairman, Museum Committee, T. Churton, M.D.

Honorary Secretary, Ernest H. Jacob, M.D., 12, Park Street, Leeds.

Communications on general matters connected with the Museum to be addressed to the Museum Secretary, Dr. Jacob, 12, Park Street, Leeds.

Entertainments.

THE ANNUAL DINNER

Of the Association will be held in the Town Hall, on Thursday, August 15th, at 7.30 p.m. Tickets, including wine, One Guinea; without wine, 15s. Members are particularly requested to apply **early** for Tickets, and to choose their seats in the Reception Room. *No Tickets will be sold after the Reception Room closes on Wednesday Evening.*

Tickets for Ladies wishing to attend the speeches may be obtained by members when purchasing their Dinner Tickets.

(For late trains from Leeds see page 18.)

CONVERSAZIONE,

Given by the President and Local Executive Committee in the Municipal Art Gallery, at 8.30 p.m., on Wednesday, August 14th.

Invitation cards can be obtained by members in the Reception Room.

The Guests are requested to observe the following arrangements :—

1. Carriages to set down at the Calverley Street entrance.
2. Admission Cards must be given up at the entrance.
3. Cloak Room Arrangements :

The Rate Office, exactly opposite to the Calverley Street entrance, will be used as the Gentlemen's Cloak Room. The counter will be divided into ten sections, each section taking 100 guests, and being in charge of an attendant. The sections will be marked off by placards announcing the number to be taken in each section.

Each Invitation or Admission Card will be accompanied by a double Cloak Room Ticket; and, on arriving, the guest will go to the section of the Cloak Room containing his number; *e.g.*, the Cloak Room Ticket No. 407 will go to section 401-500 inclusive. One half of the ticket is to be retained by the guest, the other half to be given up with coats, &c.

The same arrangements will be made in the Ladies' Cloak Room.

4. The President will receive the guests in the Stair-case Hall.
5. Refreshments will be served in the North Room.
6. The Entertainment by Mr. and Mrs. Upton and Mr. Laurence Kellie will be given in the Reading Room.

CARRIAGE REGULATIONS.

SETTING DOWN.

Carriages will proceed by way of Park Lane to the Calverley Street entrance of the Municipal Buildings, and set down with horses' heads to Great George Street, and will leave by Great George Street.

TAKING UP.

Carriages will be parked in Victoria Square and adjacent streets, under the directions of the Police on duty, and will take up with horses' heads towards Great George Street, and move off by Great George Street.

GARDEN PARTIES.

THURSDAY, 4 to 6.30 P.M. A Garden Party will be given by Sir James Kitson, Bart., at Gledhow Hall.

FRIDAY, 4 to 6.30 P.M. A Garden Party will be given by Mr. T. R. Jessop, F.R.C.S., at Roundhay Mount.

Carriages will be provided at 3.30, in Vernon Street; fare in both instances, 6d. for the single journey.

The Headingley Tram-cars will also, by special arrangement, run through the town to Roundhay on both Thursday and Friday afternoons, beginning at 3.30 p.m., and then every 15 minutes until 7 p.m. They will stop at the Mechanics' Institute to take up passengers.

4 to 6 P.M. A Garden Party will be given at the West Riding Asylum, Wakefield, by Mr. Bevan Lewis, Medical Director.

Train, 3.25 and 4.35 p.m., Great Northern Station, to Westgate, Wakefield.

SATURDAY, 4 p.m. A Garden Party will be given by the Lord Bishop of Ripon and Mrs Carpenter, at the Palace, Ripon. This Garden Party is included in the programme of Excursion No. 5, but the invitation is extended to all Members of the Association.

AFTERNOON RECEPTIONS.

WEDNESDAY, 4.30 to 6.30 P.M. An Afternoon Reception will be given at the Yorkshire College, by The Most Hon. the Marquis of Ripon (President), Council, and Senate of the College.

4 to 6.30. An Afternoon Reception, at the Carlton Barracks, will be given by Colonel Wilson and Officers of the 3rd Volunteer Battalion of the West Yorkshire Regiment to members who are or have been connected with any of the military services.

Invitation Cards for the Garden Parties and Receptions can be obtained by members in the Reception Room.

RECEPTION AND BALL.

FRIDAY, 8 P.M. The Mayor and Mayoress of Leeds (Alderman and Mrs. Ward) will give a Reception, followed by a Ball, in the Town Hall in honour of the Association.

Members can obtain Invitation Cards in the Reception Room.

No Cards will be issued after Thursday.

SHORT EXCURSIONS.

MORNING DRIVES AND VISITS TO MANUFACTORIES,
ETC.

In order to facilitate the necessary arrangements for conveyance, members are particularly requested to enter their names in the Reception Room for the above as early as possible.

Tickets must be obtained not later than the day previous to visit.

Fares for circular visits to manufactories will be 1/6, to be paid on taking ticket.

Members are requested, when visiting manufactories, to take their Association Tickets, as in some instances they will be required for presentation.

Wednesday.

9.30 A.M.—DRIVE TO ADEL CHURCH AND KIRKSTALL ABBEY.
Conducted by the Vicar of Adel and Professor Ransome (Professor of Modern History at the Yorkshire College). Number unlimited. Fare 2/-, to be paid on taking ticket.

No 1 CIRCULAR VISIT (Number limited to 25).

10 A.M.—12.30 P.M.—VISIT TO MESSRS. BARRAN'S, Manufacturing Clothiers, Park Square and Woodhouse Square.
MESSRS. CLIFF AND Co.'s WORKS, Wortley (Pottery Works).
MESSRS. PAWSON AND SONS' WORKS, Wortley, Cloth Manufacturers. (Luncheon provided.)

No. 2 CIRCULAR VISIT (Number unlimited).

10.30 A.M.—12.30 P.M.—VISIT TO MESSRS. FAIRBAIRN'S, Wellington Bridge.
Flax, Machine, and Tool Makers.
MESSRS. PAUL AND Co., The "Oak" Tannery, Kirkstall Road.
MESSRS. MCCORQUODALE AND Co., Basinghall Street, Printers and Lithographers.

No. 3 CIRCULAR VISIT (Number limited to 125).

10 A.M.—2 P.M.—MESSRS. GREENWOOD AND BATLEY, Makers of Torpedoes, Ammunition, and Heavy Tools, Armley Road. (Luncheon provided for 100.)
MESSRS. EYRES AND Co., Woollen Manufacturers, Armley. (Luncheon provided for 25.)

2.30—3.30 P.M.—Organ Recital at Armley Church.

3.30 P.M.—Afternoon Tea at Dr. Coleman's, Armley.

EXCURSION TO BROUGHBRIDGE AND ALDBOROUGH (the ancient city of Isurium).

A party, not exceeding 25 in number will leave Leeds, North Eastern Station, by the 11 a.m. train for Broughbridge. Conducted by Mr. A. D. H. Leadman, F.S.A.

Luncheon will be provided by Mr. Lawson, Aldborough Manor.

Thursday,

9.30 A.M.—DRIVE TO TEMPLE NEWSAM (the seat of the Hon. Mrs. Meynell Ingram), and ROUNDHAY PARK. Conducted by Mr. C. Richardson. Number Unlimited. Fare 1/6, to be paid on taking ticket.

No. 1 VISIT (Number unlimited).

10—11 A.M.—VISIT TO THE FARNLEY IRON WORKS. (Train 10.15 a.m. L. & N. W. Railway to Wortley; return 11.58 a.m.)

No. 2 CIRCULAR VISIT (Number unlimited).

10—12 A.M.—VISIT TO MESSRS. ARTHUR AND Co., Park Square, Manufacturing Clothiers.
MESSRS. J. TETLEY AND SONS' BREWERY.

No. 3 VISIT (Number limited to 100).

10 A.M.—2 P.M.—VISIT TO LEEDS FORGE Co.'s WORKS. (Corrugated Boiler Flues, Fox's Tyres, Extensive Water Gas Plant, &c.) (Luncheon provided.)

No. 4 CIRCULAR VISIT (Number limited to 40).

10—12 A.M.—VISIT TO MESSRS. CRAWFORD'S MILLS, East Street. Woollen Manufacturers.
MESSRS. ELLIOTT HINCHCLIFFE AND Co.'s MILLS. Woollen Manufacturers.
MESSRS. TAYLOR'S "CLARENCE" IRONWORKS. (Luncheon provided.)

No. 5 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO MR. ALF COOKE'S COLOUR PRINTING WORKS.
MESSRS. TANNETT AND WALKER'S IRONWORKS.
MESSRS. FOWLER AND Co.'s STEAM PLOUGH WORKS.

VISIT TO MENSTON ASYLUM. Train, Midland Railway Station, 1.15 p.m., to Guiseley. Return train, 3.24 or 6.24 p.m. from Guiseley.

Friday.

9.30 A.M.—DRIVE TO HAREWOOD AND HAREWOOD HOUSE (the Seat of the Earl of Harewood). Conducted by Mr. P. A. Steedman, of Harewood, who invites the party to luncheon. Fare 2/-, to be paid on taking ticket. Number limited to 25.

No. 1 CIRCULAR VISIT (Number limited to 50).

10—12 A.M.—VISIT TO MESSRS. BUCKLEY'S WORKS, Greek Street. Manufacturing Clothiers.

THE BURMANTOFTS POTTERY COMPANY'S WORKS, Makers of the "Burmantofts Faience."

MESSRS. LAWSON & CO.'S FOUNDRY. (Refreshments provided.)

No. 2 VISIT (Number unlimited).

11 A.M.—2 P.M.—VISIT TO MESSRS. NICHOL'S TANNERY. (Kirkstall Abbey also can be visited at same time.)

No. 3 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO THE MONK BRIDGE IRONWORKS. (Manufacture of Steel, &c.)

MESSRS. NICHOLS & BECKWORTH, The "Joppa" Tannery.

No. 4 CIRCULAR VISIT (Number limited to 20).

10 A.M.—2 P.M.—VISIT TO MESSRS. MANNING & WARDLE'S ENGINE WORKS, Hunslet. Luncheon provided.

MESSRS. KITSON'S AIREDALE FOUNDRY. Locomotive makers.

No. 5 VISIT (Number unlimited).

12 A.M.—2 P.M.—VISIT TO TELEPHONE COMPANY'S SWITCH ROOM, Central Exchange, Park Row. Or on any other day at the same on presentation of member's card.

General and Special Meetings.

1. On TUESDAY EVENING, at 8.30, the President's Address. Coliseum.
2. On WEDNESDAY, at 3 p.m., the Address in Medicine by J. Hughlings Jackson, M.D., L.C.D., F.R.S. Coliseum. Presentation of Stewart Prize to Dr. E. Klein, F.R.S.
3. On THURSDAY, at 3 p.m., the Address in Surgery by T. Pridgin Teale, M.A., F.R.S., F.R.C.S. Coliseum.
4. On FRIDAY, at 3 p.m., the Address in Psychology by Sir James Crichton Browne, M.D., F.R.S. Coliseum.

EXHIBITION OF SURGICAL CASES.

On Wednesday, August 14th, from 4 to 5.30 p.m., in the Central Hall of the Infirmary.

The following Meetings, by permission of the Council, will be held during the Annual Meeting :—

THE MEDICAL SICKNESS, ANNUITY, AND LIFE ASSURANCE SOCIETY.

A Meeting will be held in the Philosophical Hall, on Wednesday, August 14th, at 2 o'clock p.m.

IRISH MEDICAL SCHOOLS' AND GRADUATES' ASSOCIATION.

The Summer Meeting will be held at 4.15 o'clock p.m. on Wednesday, 14th August, in the Philosophical Hall.

ANATOMICAL SOCIETY.

The Summer Meeting will be held in the Theatre of the Medical School, on Thursday, 15th August, at 4.30 p.m.

NEW SYDENHAM SOCIETY.

The Annual Meeting of this Society will be held in the Middle Division Room, Mechanics' Institute, on Friday, August 16th, at 9.30 a.m. (Special Entrance, Vernon Street.)

BATHS.

By the kind permission of the Directors, the Baths of the Oriental Bath Company, in Cookridge Street, will be open to Members during the week of the meeting on presentation of their cards of Membership, at the following reduced rates :—

First-class Turkish Bath	... ..	1s. 6d.
,, Warm Bath ..	... ..	0s. 6d.
,, Swimming Bath ..	... ..	0s. 6d.

CLUBS OPEN TO MEMBERS OF THE ASSOCIATION.

- THE CONSERVATIVE CLUB, South Parade. On presentation of a card of a Member of the Club to be obtained in the Reception Room.
- THE LIBERAL CLUB, Park Row. On presentation of their Association Ticket.
- THE ROYAL EXCHANGE READING ROOM, Boar Lane, near the Queen's Hotel, is open to Members of the Association during the Meeting.

RESTAURANTS.

- POWOLNY'S, Bond Street.
 WOOD'S, Commercial Street.
 THE QUEEN'S, Bishopgate Street.
 THE GRAND, Boar Lane.
 THE CRITERION, New Briggate.

GRAND THEATRE.

During the week, MR. ARTHUR ROBERTS, with his Burlesque Company. Tickets may be obtained at Messrs. Ramsden's, Park Row, and at the Theatre.

ARRANGEMENTS FOR LADIES.

A Ladies' Room and Cloak-room, with attendant, is provided in the Mechanics' Institute (special entrance—Vernon Street). Afternoon Tea will be provided each day in this room for Ladies and Members accompanying them from 3.30 to 4.30 p.m. Ladies are invited to attend:—

TUESDAY, 4 P.M.—Service in the Parish Church, Sermon by the Bishop of Ripon.

WEDNESDAY, 4.30 to 6.30 P.M.—Reception at the Yorkshire College by the President, Council and Senate of the College.

4 to 6.30 P.M.—Reception given by Colonel Wilson and the Officers, 3rd Vol. Batt. West Yorkshire Regiment, to Members in the Services at the Carlton Barracks.

8.30 P.M.—Conversazione by the President of the Association and the Local Executive Committee in the Art Gallery and Municipal Buildings.

THURSDAY, 4 to 6.30 P.M.—Garden Party at Gledhow Hall, given by Sir James Kitson, Bart.

9 P.M.—The Speeches after the Annual Dinner in the Town Hall. Light Refreshments and seats on the orchestra will be provided. Tickets for Ladies may be obtained by Members when purchasing their Dinner tickets.

FRIDAY, 4 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. Jessop, F.R.C.S.Eng.
 4 to 6 P.M.—Garden Party at the West Riding Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds, in the Town Hall.

SATURDAY, Excursions (see page 20).
 4 P.M.—Garden Party, given by the Lord Bishop of Ripon and Mrs. Carpenter, at The Palace, Ripon.

DAILY.—Short Excursions to places of interest in the neighbourhood, manufactories, etc. (see page 13).

THE BATHS OF THE ORIENTAL BATH COMPANY are, by kind permission of the Directors, open to Ladies presenting a card to be obtained in the Ladies' Room, at the following reduced rates :—

First-class Turkish Bath, open 10 a.m. to 4 p.m., 1s.
 First-class Swimming Bath, on Thursday, 9.30 a.m. to 3 p.m., 6d.

RAILWAY ARRANGEMENTS.

Members of the Association, on application at the booking office at Leeds, and on production of their cards of Membership, can have issued to them return tickets at single fares, available *from Leeds* to any station within a radius of fifty miles. The same facilities will be afforded to ladies accompanying Members. Periodical tickets (first class) to Harrogate or Ilkley, available for seven days, will be issued to Members of the Association at a charge of 10s., each on production of the voucher above named. These facilities will apply strictly to Leeds, and there will be *no reduction* in the fares charged to the Members of the Association on their journey *to Leeds* for the Meeting.

LATE TRAINS FROM LEEDS.

CENTRAL STATION :—

- G.N. 10-0 P.M. Ardsley, Wakefield, Doncaster, Bawtry, Retford, &c.
- G.N. 10-0 P.M. (Tuesday only.) Ossett, Dewsbury, Batley.
- G.N. 10-5 P.M. Armley, Bramley, Stanningley, Bradford.
- G.N. 10-10 P.M. (Not on Tuesday.) Ardsley, Stanley, Methley, Castleford.
- G.N. 10-35 P.M. Lowmoor and Halifax.
- L. & Y. 10-45 P.M. Lowmoor and Halifax.
- G.N. 10-40 P.M. Armley, Bramley, Stanningley, Bradford.
- G.N. 10-50 P.M. (Tuesday only.) Ardsley, Stanley, Methley, Castleford.
- G.N. 11-20 P.M. Ardsley, Wakefield, Doncaster.

MIDLAND STATION :—

- 10-0 P.M. Normanton, Sheffield, Chesterfield, Derby, &c.
 10-10 P.M. Bradford (express).
 10 23 P.M. Armley, Kirkstall, Newlay, Calverley, Apperley, Shipley,
 Bradford, Bingley, Keighley.
 10-45 P.M. Shipley, Bradford, Bingley, Keighley, Skipton.
 10-45 P.M. Shipley, Guiseley, Menston, Burley, Ilkley.
 10-50 P.M. Woodlesford, Methley, Normanton.
 11-15 P.M. Bradford (express).
 11-18 P.M. Armley, Kirkstall, Newlay, Calverley, Shipley, Brad-
 ford.
 11-38 P.M. Normanton, Sheffield, Derby.

NEW STATION :—

- L. & N. W. 9-30 P.M. Dewsbury Huddersfield, Madchester.
 N.E. 10-55 P.M. Cross Gates, Garforth, Selby, Hull.
 L. & N. W. 11-0 P.M. Morley, Batley, Dewsbury, Huddersfield.
 N.E. 11-5 P.M. Horsforth, Arthington, Harrogate.
 N.E. 11-10 P.M. York (express).
 N.E. 2-14 A.M. York, Scarbro', Whitby, &c.

CAB FARES.

BY DISTANCE.—For any number of persons not exceeding five, for the first mile, one shilling : for every additional quarter of a mile, threepence.

BY TIME.—For any number of persons not exceeding five, for the first quarter of an hour, one shilling ; for every succeeding quarter of an hour, sixpence.

Disengaged Cabs will stand in Rossington Street, along the south side of the Mechanics' Institute.

TRAM CARS.

The Tramway Terminus is in Boar Lane, at its Junction with Briggate. Cars run as follows :—

CHAPELTOWN.

Leaves (the Queen's Arms) Chapeltown for Briggate at 7.55 a.m., and every 15 minutes till 9.55 p.m. Extra on Saturdays till 10.25 p.m.

Leaves Briggate for Chapeltown (the Queen's Arms) at 8.30 a.m., and every 15 minutes till 10.30 p.m. Extra on Saturdays till 11.0 p.m.

NOTE.—The 10.15 and 10.30 p.m. Cars from Briggate on Weekdays, and the 10.45 and 11.0 p.m. on Saturdays, run to Mexbro' Arms only.

Leaves Reginald Terrace, Chapeltown Road, for Briggate at 8.7½ a.m., and every 7½ minutes till 7.22½ p.m., then every 15 minutes till 10.7½ p.m. Saturdays every 7½ minutes till 10.37½ p.m.

Leaves Briggate for Reginald Terrace (Chapelton Road) at 8.30 a.m., and every $7\frac{1}{2}$ minutes till 7.45 p.m., then every 15 minutes till 10.30 p.m. Saturdays every $7\frac{1}{2}$ minutes till 11.0 p.m.

NOTE.—Extra Cars leave the Chapelton Tram Yard on Weekdays at 7.40, 8.7 $\frac{1}{2}$, 8.22 $\frac{1}{2}$, and 8.37 $\frac{1}{2}$ a.m.

HEADINGLEY.

Leaves Three Horse Shoes, Headingley, at 7.42 $\frac{1}{2}$ a.m., and every 10 minutes till 7.22 $\frac{1}{2}$ p.m., then every 15 minutes till 9.52 $\frac{1}{2}$ p.m. Saturdays every 10 minutes all day till 10.22 $\frac{1}{2}$ p.m.

Leaves Boar Lane for Three Horse Shoes at 8.20 a.m., and every 10 minutes till 8.0 p.m., then every 15 minutes till 10.30 p.m. Saturdays every 10 minutes all day till 11.0 p.m.

KIRKSTALL.

Leaves Boar Lane for Kirkstall at 8.30 a.m., and every 10 minutes until 8.30 p.m., then every 15 minutes until 10.30 p.m. Saturdays every 10 minutes all day until 11.0 p.m.

Leaves Kirkstall for Boar Lane at 8.5 a.m., and every 10 minutes until 7.55 p.m., then every 15 minutes until 9.55 p.m. Saturdays every 10 minutes all day until 10.25 p.m.

Cars run to and from MEANWOOD ROAD, UPPER WORTLEY, and YORK ROAD about every 10 minutes.

OMNIBUSES.

The Omnibus Terminus is in Briggate, between Commercial Street and Boar Lane, from whence Busses run at short intervals to all parts of the Borough.

Excursions.

No. 1.

THE SCARBOROUGH EXCURSION,

Saturday, Aug. 17th; Monday, Aug. 19th.

ARRANGED BY THE PROFESSION IN SCARBOROUGH.

Saturday, August 17th.

LEEDS, N.E.R. STATION.

Train (Special)	...	..	...	leave	9.10 a.m.
York	...	...	...	arrive	9.50 ,,
York	...	...	...	leave	10.2 ,,
Scarbro'	...	...	...	arrive	11.30 ,,

Luncheon (by invitation) given by Members of the Profession of Scarborough and neighbourhood, at the Royal Hotel at 1 p.m.

Carriages will start from Royal Hotel at 3.15 p.m., for excursions to the town and neighbourhood.

Yachts will start from the Pier at 3.30 p.m., for trips to sea.

A Garden-Party at St. Nicholas House, given by Mr. J. W. Woodall, from 3.30—7.0 p.m.

Reception by His Worship the Mayor of Scarborough (Official Chairman of the Company) and the Committee of the Cliff Bridge Company, will be held in the Grand Hall of the Spa at 8.30 p.m.

During the evening the Grounds will be specially illuminated.

Sunday, August 18th.

A Special Service at the Parish Church (St. Mary's). (Preacher: The Ven. Archdeacon Blunt, D.D.), at 10.30 a.m.

A Concert of Sacred Music will be given in the Spa Grounds, from 3.0—4.30 p.m.

Mr. G. Alderson Smith will be "At Home," at Wheatcroft Cliff, from 4.0—6.30 p.m.

Monday, August 19th.

A Deep Sea Trawling expedition will probably be arranged.

Through the kindness of Mr. Morgan, members and their wives will be admitted free to the Aquarium on *Saturday, Sunday, and Monday (August 17th, 18th, and 19th)*; also to the Concert of Sacred Music on Sunday evening at 8 p.m.

Dr. Calantarients invites members and their wives to visit his Glaciarium at the Londesborough Rooms.

Arrangements have been made at the Grand and Royal Hotels for the reception of visitors, where meals will be served at the customary Hotel hours.

N.B.—All Excursions and Entertainments, including admittance to the Spa Grounds on *August 17th, 18th, and up to 5 p.m. 19th*, are free to Members and Ladies accompanying them on production of this Ticket.

No. 2.

THE ILKLEY AND BOLTON ABBEY EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN BRADFORD AND ILKLEY.

LEEDS: MIDLAND STATION.

Train.

Leeds	...	...	...	depart	9.35 a.m.
Guiseley (to take up members)				arrive	10.12 ,,
Ilkley (to take up members)	...			arrive	10.34 ,,
Bolton Abbey Station	...	..		arrive	10.49 ,,

WAGONETTES.

Bolton Abbey Station	...	...		depart	11.0 a.m.
Bolton Woods and Strid	...			arrive	11.40 ,,
Bolton Woods and Strid	..			depart	12.40 p.m.
Bolton Abbey	...	...	...	arrive	12.55 ,,
Bolton Abbey	...	...	...	depart	1.30 ,,
Devonshire Arms Hotel	...			arrive	1.45 ,,

LUNCHEON.

Walk to Bolton Abbey Station				depart	2.47 p.m.
Ilkley	...	...	...	arrive	3.5 ,,
or Ben Rhydding	...	...		arrive	3.8 ,,

Until 5.30 members can visit any of the Hydropathic Establishments, such as Ilkley Wells House, Ben Rhydding, Craiglands, Troutbeck, &c, or visit the Old White Wells, the Semon Convalescent Home, Panorama Rocks, Cow and Calf, the Ilkley Wells Hospital, the old Parish Church (with the Stone Crosses), or pass over the river towards Middleton Moor, &c.

DINNER.

Dinner will be served in the Winter Garden of Ilkley Wells House, at 5.30 precisely.

After Dinner, ample time will be afforded for a leisurely walk down to the Ilkley Station, from which the train back to Leeds will start at 8.35 p.m.

Leeds	arrive	9.25 p.m.
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Directions for Entertainers from Bradford, Ilkley, &c.:—

Bradford: Midland Station	at	9.48 a.m.
Manningham	...	...	..	9.52 ,,
Shipley	...	...	..	9.58 ,,

Reaching and joining guests at

Guiseley	..	...	...	arrive	10.12 a.m.
Guiseley	...	...	...	depart	10.16 ,,
Burley	...	...	...	arrive	10.24 ,,
Ilkley	...	...	...	arrive	10.34 ,,

The Bradford members will leave Ilkley by the same train, 8.35 p.m. which leaves for Leeds, being detached from the Leeds portion at Guiseley.

No. 3.

THE YORK, HELMSLEY, AND RIEVAULX ABBEY
EXCURSION,*Saturday, August 17th.*

LEEDS, N.E.R. STATION.

Leeds (special)	...	...	...	depart 9.10 a.m.
York	...	...	...	arrive 9.50 a.m.

The party will here be met by the Committee of the Medical Profession at York, by whom all arrangements have been made for the convenience of the visitors in York.

10.0 a.m. Received by Canon Raine, who will conduct the party round the Museum and Grounds of the Yorkshire Philosophical Society, St. Mary's Abbey, Roman and other antiquities.

10.45 a.m. Mr. Buckle, Superintendent of the Wilberforce School for the Blind, which occupies the Ancient Royal Palace of the Stuarts, will point out matters of interest in that building.

11.30 a.m. The Minster will be visited, Canon Raine having kindly consented (in the unavoidable absence of the Dean of York) to act as cicerone.

12.30 p.m. The party will proceed to the Mansion House, where they will be received by the Lord Mayor. The ancient plate, &c., will be inspected. The Guildhall will afterwards be visited.

LUNCHEON.

At the North Eastern Railway Station Hotel, by invitation of the Members of the Medical Profession in York, 1.0 p.m.

TRAIN.

York	...	...	...	depart 2.25 p.m.
Helmsley Station	...	...	...	arrive 3.30 ,,

CARRIAGES.

“The Black Swan” Hotel, arrive 3.40 p.m.

TEA.

Drive through Duncombe Park to Rievaulx Terrace, overlooking Rievaulx Abbey and village, arrive 4.30 p.m.

Inspect paintings, walk on Terrace and see Rievaulx Abbey (4.30—5.30 p.m.).

Re-enter carriages, 5.30 p.m.

Visit and inspect ruins of Helmsley Castle, built A.D. 1200, 5.50 p.m.

Leave by carriage, 6.10 p.m.

Helmsley, 6.30 p.m.

DINNER

Will be served at “The Black Swan.”

Helmsley Station	...	...	...	depart 8.15 p.m.
York	...	...	...	arrive 9.15 ,,

TRAINS LEAVE YORK FOR

{ Leeds	...	...	...	depart 9.35 p.m.
{ Midland and L. & N.W.	...	...	..	9.28 ,,
{ G.N.Ry. and King's Cross	..	..	..	9.37 ,,
{ The North	...	...	...	10.26 ,,
{ Scarborough	...	...	...	10.30 ,,

N.B.—Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 4.

THE HARROGATE EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN HARROGATE.

LEEDS, N.E.R. STATION.

Leeds (Special)	...	...	...	depart	9.0 a.m.
Pannal...	...	...	...	arrive	9.15 ,,

The party will here be met by members of the Profession of Harrogate, who will conduct the excursion.

FOUR-HORSE DRAGS.

Plumpton Rocks	...	...	...	arrive	10.0 a.m.
Plumpton Rocks	...	...	...	depart	10.30 ,,
Knaresboro'	...	...	...	arrive	11.0 ,,

LIGHT REFRESHMENTS.

The party will here visit the Castle, Dropping Well, Robin Hood's and Eugene Aram's Cave.

Knaresboro'	...	...	...	depart	12.30 p.m.
Drive by Scriven and Scotten to					
Ripley Castle	...	...	...	arrive	1.15 ,,
Ripley Castle	...	...	...	depart	1.45 ,,
Harrogate	...	...	...	arrive	

LUNCHEON

Will be served in the New Bath Hospital lately opened by H.R.H. Prince Albert Victor, at 2.30 p.m.

After Lunch the party will be shown the Wells. Drives in the neighbourhood will be organized. Entertainments will be provided, and in the evening the houses of the various Medical men of Harrogate will be thrown open for the reception of visitors.

TRAIN.

Harrogate (Special)	...	...	...	depart	8.50 p.m.
Leeds	...	...	...	arrive	9.30 ,,

N.B. --Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 5.

THE PATELEY BRIDGE, BRIMHAM ROCKS, FOUNTAINS ABBEY, STUDLEY ROYAL, AND RIPON
EXCURSION,

Saturday, August 17th.

LEEDS: N.E.R. STATION.

Leeds (Special)	depart	9.0 a.m.
Pannal	arrive	9.15 ,,
(The Harrogate party will here leave the train.)		
Pateley Bridge	arrive	10.10 ,,

WAGONETTES.

Walk up Ravens Gill and Guys Cliff.

LUNCHEON

Provided by Mr. George Metcalfe, at Castlestead, 12.0 noon.

WAGONETTES.

Castlestead	depart	12.50 p.m.
Brimham Rocks... ..	arrive	1.35 ,,
Brimham Rocks... ..	depart	2.15 ,,
Fountains Hall	arrive	3.15 ,,
Fountains Abbey and Grounds.		

TEA

Provided in the Abbey Grounds, by the Most Honourable the Marquess of Ripon, K.G., 3.45 p.m.

Walk through the Grounds to meet Wagonettes.

WAGONETTES.

Canal Gates	depart	4.30 p.m.
Ripon	arrive	5.0 ,,

Visit Cathedral.

Lavatory accommodation will be provided at the Unicorn Hotel.

WAGONETTES.

Ripon (Unicorn Hotel)	depart	5.30 p.m.
Palace	arrive	6.0 ,,

The party will be received by the Lord Bishop of Ripon and Mrs. Boyd Carpenter.

REFRESHMENTS.

Palace	depart	7.45 p.m.
Ripon Station	depart	8.25 ,,
Harrogate	depart	8.50 ,,
(The Harrogate party will rejoin train.)		
Leeds	arrive	9.30 ,,

No. 6.

THE WASHBURN VALLEY AND FARNLEY
EXCURSION,*Saturday, August 17th.*

The whole of the Excursion will be by carriage.

Mechanics' Institute...	...	...	depart 9.0 a.m
Adel Church ...	...	...	arrive 9.40 ,,

The party will be received by the Rector, who will kindly show the principal features of this almost unique specimen of Norman Architecture.

Adel Church	depart 10.0 a.m.
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Drive to Pool Bridge and Leathley Village to Lindley Wood Reservoir.
arrive 11.30 a.m.

Torpedo experiments will be shown by Messrs. Greenwood and Batley.

Lindley Wood Reservoir ...	...	...	depart 12.30 p.m.
Swinsty Reservoir	...	...	arrive 1.15 ,,

LUNCHEON.

Provided by Mr. Alderman Woodhouse, Chairman of the Leeds Waterworks Committee.

Swinsty Reservoir ...	...	...	depart 2.15 p.m.
Fewston	...	..	arrive 3.0 ,,

Inspect sinking Village Reservoir, &c.

Drive over Snowdon Moors by Asquith and Weston.

Farnley Hall	arrive 4.0 p.m.
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The seat of Ayscough Fawkes, Esq. The well known collection of J. M. W. Turner's Pictures will be inspected,

TEA.

Farnley Hall ...	...	...	depart 6.0 p.m.
"White Horse," Otley	...	...	arrive 6.30 ,,

DINNER.

"White Horse," Otley	...	...	depart 8.0 p.m.
Leeds ...	...	...	arrive 9.30 ,,

No. 7.

THE MALHAM COVE, GORDALE SCAR, AND SETTLE
EXCURSION,*Saturday, August 17th.*

LEEDS, MIDLAND STATION.

Leeds... .. depart 8.0 a.m.

Bell Busk arrive 9.40 ,,

To be met by carriages.

Kirkby Malham arrive 10.30 ,,

Visit old Church, inspect old Registers with Oliver Cromwell's signatures,
and other matters of interest.

Kirkby Malham depart 10.45 a.m.

Gordale Scar... .. arrive 11.5 ,,

LIGHT REFRESHMENTS.

Party will visit Janet's Force.

Gordale Scar depart 12.0 noon.

Walk to Malham Cove (1 mile).

Malham Cove arrive 12.30 p.m.

Malham Cove depart 12.50 ,,

Carriages will here meet the party.

Kirkby Malham arrive 1.0 ,,

The party will here divide into two sections.

(1). Pedestrians (1 mile—700 feet ascent) with the lighter carriages to
visit Scaleber Force and down to Settle. Magnificent views crossing
the Moors.

(2). Heavier carriages drive by Otterburn and Hellifield to Settle.

The two parties will meet at the Ashfield Hotel, Settle, at 2.45 p.m.

DINNER.

After dinner two parties will be formed.

(1). Carriages for Stainforth depart 4.15 p.m.

(3 miles)

Visit Stainforth Force ; pedestrians can climb to Catterick Force
($\frac{3}{4}$ mile).

Stainforth depart 5.40 p.m.

(2). Walking party—Those who prefer walking may visit Giggleswick
School ($\frac{1}{2}$ mile), see Celtic and Roman Remains from Victoria Cave—
Walk to Ebbing and Flowing Well ($\frac{1}{2}$ mile),—back to Settle and
ascend Castleberg Rock.

Settle Station depart 7.23 p.m.

Leeds... .. arrive 8.52 ,,

N.B.—The Tickets for the above must be preserved, as they will be
required for presentation during the Excursion.

1. *The Scarborough Excursion.*—Trains will leave the North Eastern Railway Station (New) at 9.10 a.m. on Saturday morning, August 17th, arriving at Scarborough at 11.30. At 1 p.m. a luncheon will be given by the Profession of Scarborough to 100 members of the Association (by invitation). In the afternoon excursions by sea and land will be arranged, steam yachts will be placed at the disposal of the visitors, and short excursions will be organised by carriage. A Garden Party will be given by Mr. J. W. Woodall, in honour of the visit of the Association, at St. Nicholas Cliff. In the evening the grounds of the Cliff Bridge Company will be thrown open to the members, and especially illuminated; here a reception will be held in the Grand Hall by his worship the Mayor, official chairman of the Company, and the Committee. On Sunday a special service will be held in the Parish Church (St. Mary's), preacher, the Venerable Archdeacon Blunt, D.D., Chaplain to the Queen. In the afternoon a concert of sacred music will be given in the Spa Grounds (3 to 4.30), and, later, Mr. Alderson Smith will be "at home" at Wheatcroft Cliff, to receive members of the Association and their wives; by his kindness, also, it is hoped that a deep sea trawling expedition will be arranged for Monday morning. A fee of one guinea will be charged, which will include all the expenses of the excursion. Gentlemen may be accompanied by ladies on the same terms, namely: Saloon fare from Leeds to Scarborough, hotel accommodation at two of the best hotels from mid-day on Saturday, August 17th, till mid-day on Monday, August 19th (with the exception of wine). The Cliff Bridge Company will admit members free to their Grounds on the three days, August 17th, 18th, and 19th, after 5 p.m. All excursions and other entertainments are open to all members and ladies accompanying them on production of their tickets. The luncheon to be given on Saturday will be by invitation only, as it is not possible to secure a room for an unlimited number. Any further particulars with regard to the Scarborough Excursion can be obtained on application to Charles F. Hutchinson, M.D., Honorary Secretary, May Lodge, Scarborough.

2.—*The Ilkley and Bolton Abbey Excursion.*—The route of this excursion runs from Leeds in a north-westerly direction, leaving the Midland station at 9.35 A.M.; it passes by way of Armley, Kirkstall (with a view of the old abbey of that name), and continues along the Airedale Valley to Apperley Bridge.

After passing Kirkstall Forge, the vale opens out, showing Calverley to the south and on the north, giving a fine view of the slope of the hill from Rawdon, on which, as prominent objects, stands the Rawdon Convalescent Home (founded, for poor patients, by the late Sir H. W. Ripley, Bart.) and the Rawdon Baptist College. These and the numerous villa residences of Leeds and Bradford merchants, embowered in trees, form a pleasant and striking landscape. Passing Apperley Bridge, the line curves temporarily towards the north, up a steep incline, affording a glimpse of the upper

portion of the Airedale Valley, with Shipley and Bradford in the distance ; it then enters a wooded and tunnelled portion, curving back to the west and reaching Guiseley ; here, and at Ilkley, the members of the excursion will be joined by their entertainers, and the train will proceed along the south side of the Wharfedale Valley, towards Ilkley.

Just before the valley opens there lies, on the south side of the line, the New Menston Lunatic Asylum, to which the Psychological Section intends to pay a visit. Beyond this the line divides, one branch turning to the east to Otley, the other pursuing its course to Ilkley and Bolton. In the angle made by this division lies the burial place of the late Right Hon. W. E. Forster. The spot affords a view of the extent of Wharfedale, which, following the course of the river Wharfe from Bolton on the west, runs to where the North Eastern line, on its way to Harrogate, crosses the valley at Arthington, on the east. The dale is one of the most beautiful in Yorkshire, offering at certain points almost unique views, as that at Otley Chevin, Brimham Rocks, and the Cow and Calf. The town of Otley lies at the east end, on the north side of the valley, opposite the Chevin ; the village of Burley lies embedded in foliage in the middle of the dale, while Ben Rhydding and Ilkley lie on the cliff or south side of the dale, at the edge of Rumbold's Moor.

The train, proceeding, passes the Burley Station, and at this point on the rising ground of the north of the dale may be seen Denton Hall and Park, formerly the residence of the famous Fairfax, now the seat of Mr. Wyville, J.P. ; and, further west, Myddelton Lodge, the home of the Middeltons, one of the oldest Yorkshire county families. The ground now rises precipitously to the south, and the first object which strikes the eye is the splendidly situated hydropathic establishment of Ben Rhydding. Further to the west of it are seen the massive rocks called the Cow and Calf, and the Ilkley district opens out, extending almost from the edge of the moor for a mile or more down a gentle slope to the river Wharfe. As the train moves past Ilkley, a good general view will be obtained of its spa establishments and villa residences. The train goes on past the village of Addingham (with Beamsley Beacon behind) till it reaches Bolton Bridge at 10.49 ; at this station wagonettes will be in readiness to take the party to the Priory and Bolton Woods. Most people have seen the beautiful print of "Bolton Abbey in the Olden Time." The remains of the Priory are charmingly situated, and form a grand adjunct to the restored church. To strangers the history of the structure will be freely afforded by some of the gentlemen accompanying the party. From the Priory the party will be conveyed to Bolton Woods and the Strid in wagonettes.

The woods and stream will afford their own beautiful commentary ; and the romantic story of the "boy of Egremond" checked in his spring across the "Strid" by the leashed hound, and drowned in the torrent ; the despair of the mother, "Alice de Romille," and her subsequent founding of

the Priory, can all be told on the spot. Time will not afford more than a distant view of "Barden Tower," the home of the Cliffords, and walk through the woods, nor can a visit to the Valley of Desolation, with its waterfall, be risked; but these will scarcely be missed amid the surrounding beauties. The wagonettes will return from the Strid about 12.40 to the Devonshire Hotel, where, if the day be propitious, lunch will be served on the lawn at 1.45 p.m.

The train will leave Bolton Abbey Station at 2.47 p.m. on its return to Ilkley; and here the rest of the day, till dinner-time, will be spent visiting the points of interest in its immediate precincts. Ilkley and its neighbouring "Rombald's Moor" have their aboriginal and Roman history, with their "Cairns," "Barrows," Roman stations and roads. Monumental relics have been found abundantly, and one is to be seen at the back of the Rose and Crown Inn, and three ancient crosses in Ilkley Churchyard. The old Parish Church will repay a visit. All that the antiquarian will require to indicate the ancient history of Ilkley may be obtained from "Lund's 6d. Guide." Modern Ilkley, as a spa and health resort, as well as Ben Rhydding (which was the first of the large hydropathic establishments in the neighbourhood), owes its celebrity, not to any medicinal virtue in its water, but to the wonderful purity and abundant supply of that water, and to the charming situation of the place. There is a valuable chalybeate spring at the side of the Moor at Heber's Gill, past the Semon Convalescent Home, but this is quite apart from the main "Ilkley water." This Ilkley water seems specially adapted for drinking, and for all such purposes as are comprised under the head of "Hydrophathy;" hence the abundance of these establishments. All, or a choice number, of these may be visited; from the original "Old White Wells," which everyone will observe high up on the hill side, through the grand structure of Ben Rhydding (Medical Officer, Dr. Johnstone); the palatial Ilkley Wells (Medical Officer, Dr. Scott); the well-known "Craiglands" (Medical Officer, Dr. H. Dobson); the Elizabethan structure, "Troutbeck;" the "Spa" establishment in the Grove, to Rockwood House, Marlborough House, and Stony Lea. Besides these there is above the Grove, on the slope of the hill, the Ilkley Hospital (Medical Officer, Dr. Johnstone), established in 1829 as the Ilkley Bath Charitable Institution. This institution has from 700 to 800 patients passing through it in a year; these are recommended by subscribers; and it can be said with truth that the simple treatment and capital Ilkley air materially reinvigorates many of them. Another admirable institution, founded by the late Mr. Charles Semon, of Bradford, and bequeathed by him to the town of Bradford, is the Semon Convalescent Home, situated quite on the edge of the moor, south-west above Ilkley, and intended for the convalescent and weakly of the working class, clerks, and warehousemen; the whole charge for board and lodging is 12s. 6d. a week, the extra cost being furnished by the fund left by Mr. C. Semon. The people can

wander on the moor at will, and convalescents are carried up from the railway by omnibus. The home is open to others beside the inhabitants of Bradford. There are a number of hotels at Ilkley, the principal of which are the Middleton, the Crescent, etc. ; but the hydropathic establishments also accommodate visitors even for a few days. Between the return arrival of the train at Ilkley and the hour at which the party will dine (5.30 p.m.), beside the places enumerated and the general exploration of Ilkley, if the day is fine, a walk to the "Cow and Calf" (on the way to Ben Rhydding) will yield a magnificent view from those rocks. Also $1\frac{1}{2}$ mile from the station south-south-west, another splendid view is obtained from the "Panorama rocks." Again, the walk to Myddelton Moor, $1\frac{1}{2}$ mile north over the Ilkley bridge, will afford many interesting views. To any of the party who may prolong their stay over the excursion, the points of interest in the locality are many and varied, as Skipton town and castle, Keighley and Howarth (home of Charlotte Brontë, 14 miles), Denton Park, Otley and the Chevin, Farnley Hall ($2\frac{1}{2}$ miles from Otley, full of interesting historical records), Burley, Harewood House, Harrogate, Ripon, and Fountains Abbey, etc. After dinner, time sufficient will be afforded for a leisurely stroll to the Ilkley station, from which the train will start on its return journey promptly at 8.35 p.m. for Leeds and Bradford.

3. *York, Helmsley, Rievaulx Abbey.*—The party will leave the North Eastern Railway Station (New) at 9.10 a.m., reaching York at 9.50, where they will be met by the representatives of the profession of York, who have hospitably undertaken to entertain the party, and to shew them the various objects of interest. The party will first visit the gardens of the Yorkshire Philosophical Society, kindly thrown open to them by the courtesy of the Honorary Secretary, Mr. Noble, and the Council of the Society. The visit will be supervised by Canon Raine. Amongst the objects of interest are the ruins of St. Mary's Abbey, a portion of the old Roman walls and a large collection of Roman and other antiquities in the museum and hospitium of the Abbey. Afterwards the party will proceed to the Palace of the Stuart Kings, in which is located the Wilberforce School for the Blind. Mr. Buckle, the superintendent of the school, has courteously undertaken to point out the features of interest connected with this historical building. Leaving the Stuart Palace, our visitors will proceed, by way of Bootham Bar, to the Minster, where Canon Raine, in the unavoidable and regretted absence of the Dean of York, will again kindly undertake the duties of cicerone. After viewing the Minster, it is proposed to pay a visit to the Mansion House and Guildhall, where the members and their friends will be received by the Lord Mayor. The ancient plate preserved in the Mansion House and Guildhall, which is one of the finest Gothic halls in existence, will, it is believed, be inspected with much interest. Luncheon, by invitation of the profession in York, will be served at the

Station Hotel at 1 o'clock, after which the party will be conveyed by special train to Helmsley. Here carriages will convey them to Rievaulx Terrace, whence, having seen the beautiful view, they will proceed to the Abbey, driving through Duncombe Park to the Home Terrace, and thence by the ruins of Helmsley Castle to the Black Swan for dinner. The train will leave Helmsley for York in time to catch the night mail from York, and the 9.35 for Leeds.

4. *The Harrogate Excursion.*—The party will proceed by special train from the North Eastern Railway Station (New) about 9 A.M. to Pannal, where they will be met by carriages. The beautiful grounds and rocks of Plumpton will then be visited, where light refreshment will be provided; afterwards the party will drive to Knaresborough Castle, the Dripping Well, and the caves memorable as connected with Eugene Aram. Thence by Scriven and Ripley Castle to Harrogate. Here the members of the profession in Harrogate will entertain the party at lunch in the New Bath Hospital about 2.30 P.M., afterwards carriages will be provided, so that places of interest may be visited. Various other entertainments will be organised, and in the evening the houses of the various medical men will be thrown open to visitors, and members can return to Leeds either by the special train, or by one of the numerous trains leaving Harrogate for Leeds in time to catch the night mails. It is expected that many will arrange to stay in Harrogate over the Sunday.

5. *The Brimham Rocks, Fountains Abbey, Studley Royal, and Ripon Excursion.*—Special train will leave the North Eastern Station (New) at 9 A.M. for Nidd Bridge, where carriages will meet the party to convey it by Ripley Castle up the north side of Nidderdale to the fantastic rocks at Brimham; thence to Castlestead, where the party will be entertained at luncheon by Mr. George Metcalfe. After luncheon the party will proceed over the moors to Fountains Abbey and Studley Royal, the grounds being specially laid open. Here tea, with light refreshments, will be provided by the Most Hon. the Marquis of Ripon. Having viewed this, the finest of the Cistercian abbeys, the party will proceed to Ripon, where, having seen the cathedral, they will be received and entertained at the Palace by the Bishop of Ripon and Mrs. Boyd-Carpenter. The train will leave Ripon for Leeds at 8.25 P.M., reaching Leeds about 9.30 o'clock.

6. *The Washburn Valley and Farnley Excursion.*—The object of this excursion is to show the waterworks in connection with Leeds, the beautiful scenery of the Mid-Wharfe and Washburn Valleys, and the unique collection of Turner paintings at Farnley Hall. The whole journey will be by carriage. The party will first be conducted to Adel Church, when the Rector will show this most perfect specimen of Norman architecture; thence past Creskeld by Arthington and Port Bridge, through the pic-

turesque village of Leathley, with its old church and village stocks, through Lindley Wood to the Reservoir, where Messrs. Greenwood and Batley will show some interesting torpedo experiments. The party will then proceed over Norwood Edge, whence a splendid view of the whole valley can be obtained by Swinsty Reservoir to Fewston (the Sinking Village). Here lunch will be provided by the Chairman of the Leeds Waterworks Committee, Mr. Alderman Woodhouse. The party will then drive by Snowdon Moors to Farnley Hall, the seat of Mr. Ayscough Fawkes, who has kindly consented to exhibit his unrivalled collection of paintings by J. M. W. Turner, as well as his Cromwellian relics. Thence to Otley, where dinner will be served at the White Horse Hotel, the party reaching Leeds in time for the night mails.

7. *Malham Cove, Gordale Scar, and Settle.*—The object of this excursion is to show the remarkable scenery produced by the Great Craven Fault in the Mountain Limestone, one of the grandest examples in England. A special train will leave the Midland station at 8 A.M., reaching Bell Busk about 9.40 A.M. Here carriages will be waiting to convey the party by Calton Hall, the birthplace of General Lambert, and Kirkby Malham, with its interesting church and registers, to Gordale Scar, described by Wordsworth as “one of the grandest objects in Nature.” The party, having been refreshed at a farmhouse, will divide into two, the more adventurous going over the cliffs to Malham Cove, where they will meet the party who have driven round. Having viewed this magnificent amphitheatre of rocks, the party will return to Kirkby Malham, and will here again divide. The lighter carriages, with those who prefer a walk with an ascent of 700 feet, will go over Highside, where a magnificent view of both Airedale and Ribblesdale can be obtained; thence by Scaleber Force to the Ashfield Hotel at Settle, where, being joined by the other party, who have driven round by Otterburn and Long Preston, dinner will be served. After dinner they will drive up Ribblesdale to great Stainforth Force, returning by Giggleswick, where may be seen the ebbing and flowing well, and the Royal Victoria Cave Remains in the museum at the school. They will then return by Settle to Leeds, which will be reached about 9 P.M.

8. *The Hull Excursion*, most generously offered by the members of the East York and North Lincoln Branch, has had most regretfully to be abandoned.

The fee for each of the above excursions will be 10s. 6d., except in the case of the Scarborough excursion, for which one guinea will be charged. All applications for tickets, with remittance, to be made to me. Tickets will be sent August 1st.

CHARLES M. CHADWICK, Honorary Secretary,
Excursions Sub-committee.

LIST OF CANDIDATES

For Election at Meeting of Council, on Thursday, August 15th, 1889,
and subject to Confirmation at the October Meeting of Council :—

(18)

- Brown, George, L.R.C.P., L.R.C.S., Ed., Brunswick Street, Batley.
*T. R. Jessop ; *C. G. Wheelhouse ; A. Jackson.
- Brown, Harbit, M.D., Univ. Edin., Calverley, Leeds
*C. J. R. McLean ; *J. J. Taylor ; *A. E. L. Gray.
- Brown, Joseph, M.D., 12, Bradford Road, Brighouse, Yorks.
*T. Britton ; J. Martin ; *J. S. Cameron.
- Carruthers, John, M.D., F.R.C.S.E., Rockferry.
*J. W. Paton ; *J. M. Hunt ; A. H. Wilson.
- Crawford, Alex. Wilkie, M.B., C.M., Paisley.
*D. Moffat ; *C. M. Chadwick ; H. Rowe.
- Davis, Frederick Lionel, L.R.C.P., M.R.C.S., Leathley Lodge, Leeds.
C. G. Wheelhouse ; *John Exley ; *C. M. Chadwick.
- Ferguson, A. H., M.B., Tor., C.M., Winnepeg, Canada.
*W. MacEwen ; *Q. McLennan ; A. W. M. Robson.
- Frost, Francis Wm., M.R.C.S., L.R.C.P., Infirmary, Huddersfield.
*R. L. Knaggs ; *J. S. Cameron ; *W. L. W. Marshall.
- Harris, Arthur George Rawson, L.R.C.P., M.R.C.S., Eng, Selbourne
House, Halifax.
*G. P. Field ; A. Drury ; *T. M. Dolan.
- MacLennan, Wm., M.B., C.M., 3, Buckingham Terrace, Glasgow, W.
J. W. Watkins ; *H. W. Coleman ; *C. M. Chadwick.
- Mott, Frederick W., M.D., M.R.C.P., Meadowland, Harrow.
- Pinder, John William, L.R.C.P., M.R.C.S., L.S.A., Horsforth, Leeds.
*C. Richardson ; *W. Hall ; *C. M. Chadwick.
- Ramsden, Herbert, L.R.C.P., M.R.C.S., Dobecross, Saddleworth.
*C. M. Chadwick ; *W. H. F. Ramsden ; *H. B. Hewetson.
- Sellers, Arthur Edward, L.R.C.P., M.R.C.S., Ida Hospital, Cookridge,
Leeds.
*A. F. McGill ; *E. Atkinson ; *H. Littlewood.
- Smith, Thomas, L.R.C.P., Leathley Lodge, Leeds.
*J. E. Eddison ; *C. M. Chadwick ; *Chas. Richardson.
- Smyth, James, L.R.C.S., Pudsey, near Leeds.
*H. B. Hewetson ; *A. Bronner ; *W. L. Hunter.
- Stewart, Daniel, M.D., L.R.C.S.E., Liff-by-Dundee.
*R. Sinclair ; *D. McEwan ; *J. W. Miller.
- Stuart, J. A. Erskine, L.R.C.P., Edin., L.R.C.S., Staincliffe, Dewsbury.
*J. H. Aitken ; W. H. Haley ; *Arthur Jackson.

*Are signed from personal knowledge.

Programme of Proceedings.

Tuesday, August 13th, 1889.

- 9.30 A.M.—Meeting of 1888-89 Council. Council Room, Mechanics' Institute.
 11.30 A.M.—First General Meeting. Report of Council. Reports of Committees; and other business. Coliseum.
 4 P.M.—Service in Parish Church. Sermon by the RIGHT REV. THE LORD BISHOP OF RIPON.
 8.30 P.M.—Adjourned General Meeting from 11.30 A.M. President's Address. Coliseum.

Wednesday, August 14th, 1889.

- 9.30 A.M.—Meeting of 1889-90 Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Second General Meeting. Address in Medicine by J. HUGHLINGS JACKSON, M.D., LL.D., F.R.S. Coliseum. Presentation of Stewart Prize to DR. E. KLEIN, F.R.S.
 4.30 P.M.—Surgical Demonstration, Hall of Infirmary.
 4.30 to 6 P.M.—Afternoon Reception at the Yorkshire College, by the President, Council, and Senate of the College.
 4 to 6.30 P.M.—Reception given by COLONEL WILSON, 3rd Vol. Batt. West York. Regt., to Members in the Services, at the Carlton Barracks.
 8.30 P.M.—*Conversazione* by the President of the Association and Local Executive Committee in the Art Gallery and Municipal Buildings.

Thursday, August 15th, 1889.

- 9.30 A.M.—Meeting of the Council. Council Room, Mechanics' Institute.
 10 A.M. to 2 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Third General Meeting. Address in Surgery by T. PRIDGIN TEALE, M.A., F.R.S., F.R.C.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Gledhow Hall, given by SIR JAMES KITSON, BART.
 7.30 P.M.—Public Dinner of the Association in the Town Hall.

Friday, August 16th, 1889.

- 10.30 A.M. to 1.30 P.M.—Sectional Meetings. Mechanics' Institute. Public Health. Philosophical Hall.
 3 P.M.—Concluding General Meeting. Address in Psychology by SIR JAMES CRICHTON BROWNE, M.D., F.R.S. Coliseum.
 4.0 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. JESSOP, F.R.C.S.
 4.30 to 6 P.M.—Garden Party at the W. R. Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds in the Town Hall.

Saturday, August 17th, 1889.

- 4.0 P.M.—Garden Party at The Palace, Ripon, given by the LORD BISHOP OF RIPON and MRS. BOYD CARPENTER.
 EXCURSIONS.—(1) Scarborough; (2) Ilkley and Bolton Abbey; (3) York, Helmsley, Rievaulx Abbey; (4) Harrogate; (5) Brimham Rocks, Fountains Abbey, Studley Royal and Ripon; (6) Washburn Valley and Farnley; (7) Malham Cove, Gordale Scar, and Settle.

Programme of To-day

Tuesday August 13th 1889

Programme of To-day.

Thursday, August 15th, 1889.

9.30 A.M.—Meeting of the Council. Council Room,
Mechanics' Institute.

10 A.M. to 2 P.M.—Sectional Meetings. Mechanics'
Institute. Public Health. Philo-
sophical Hall.

3 P.M.—Third General Meeting. Address in Surgery
by T. PRIDGIN TEALE, M.A., F.R.S.,
F.R.C.S. Coliseum.

4.0 to 6.30 P.M.—Garden Party at Gledhow Hall,
given by SIR JAMES KITSON, BART.

7.30 P.M.—Public Dinner of the Association in the
Town Hall.

NOTICE.—*Speeches at General Meetings must not exceed TEN minutes each. At the Sectional Meetings no Paper must exceed FIFTEEN minutes in reading, and no subsequent speech must exceed TEN minutes.*

FRANCIS FOWKE, *General Secretary.*

American and Foreign Delegates are requested to present their credentials to the General Secretary at his Office, that their names may be announced at the General Meeting.

Sectional Arrangements.

The following Resolutions and Papers are promised up to the present time. Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 32.)

Section A—MEDICINE.

(These subjects to form the main part of the Lectures.)

Agenda.

The following Resolutions and Papers are promised up to the present time. Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 32.)

THIRD GENERAL MEETING OF MEMBERS,

Thursday, August 15th, 1889,

AT THREE O'CLOCK IN THE AFTERNOON.

ADDRESS IN SURGERY BY

T. PRIDGIN TEALE, M.A., F.R.S., F.R.C.S.,

**IN THE
COLISEUM,**

Section B—SURGERY.

(These subjects to form the main part of the Lectures.)

The following Resolutions and Papers are promised up to the present time. Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 32.)

Sectional Arrangements.

The following Discussions and Papers are promised up to the present time.

Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 36 .)

SECTION A.—MEDICINE.

(HEAD MISTRESS'S ROOM, MECHANICS' INSTITUTE.)

A. MEDICINE.—*President*, John Edwin Eddison, M.D. *Vice-Presidents*, Charles Parsons, M.D.; Robert Saundby, M.D. *Honorary Secretaries*, Alfred George Barrs, M.D., 22, Park Place, Leeds; Theodore Dyke Acland, M.D., 7, Brook Street, Grosvenor Square, W.

The proceedings of this Section will be opened by the President at 10 a.m., after which Dr. Parry will read a paper on the Prognosis of Cases of Albuminuria, with special reference to Life Insurance. Sir W. Roberts, Drs. Goodhart, Maguire, Pye-Smith, Ralfe, Rabagliati, C. R. Drysdale, Robert Barnes, De Havilland Hall, N. Tirard, Joseph Ewart, T. Cranstoun Charles, Saundby, and Tyson have promised, if possible, to take part in the discussion.

The following papers are promised :

- HAIG, A., M.D. On the Connecting Link between the High Tension Pulse and Albuminuria.
- TIRARD, N., M.D. Peptonuria and the Febling Test.
- HANDFORD, H., M.D. On the relations of Arterial Hypoplasia to Cardiac Disease.
- MAGUIRE, R., M.D. On Presystolic Murmur without Organic Mitral Disease.
- MADDEN, T. More, M.K.Q.C.P.I. Clinical Experiences of Chronic Tubercular Diseases of Childhood.
- BROWN-SEQUARD, C.E. The Toxicity of Expired Air and its Connection with Pulmonary Tuberculosis.
- SATTERTHWAITE, T. E., M.D. On Non-phthisical Bronchial Pneumonia of the Adult Lung.
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SECTION B.—SURGERY.

(LECTURE THEATRE, No. 13, SCHOOL OF SCIENCE.)

B. SURGERY.—*President*, Thomas Richard Jessop, F.R.C.S. *Vice-Presidents*, Edward Atkinson, M.R.C.S.; Arthur F. McGill, F.R.C.S. ;

Henry Morris, F.R.C.S. *Honorary Secretaries*, Arthur W. Mayo Robson, F.R.C.S., Hillary Place, Woodhouse Lane, Leeds; Edward Ward, M.B., 22, Park Place, Leeds.

Mr. HENRY MORRIS will open a discussion on the **Surgery of the Kidney**. Professor Annandale (Edinburgh), Mr. Rickman Godlee (London), Mr. Bennett May (Birmingham), Dr. Newman (Glasgow), Mr. Lawson Tait (Birmingham), Mr. Bruce Clarke (London), Mr. Kendal Franks (Dublin), and Mr. R. Lawford Knaggs (Huddersfield), will take part in the discussion.

Mr. FREDERICK TREVES will open a discussion on the **Surgical Treatment of Typhlitis** after the discussion on Renal Surgery.

The following further papers are announced :

- ROBSON, A. W. Mayo (Leeds). Two Hundred Consecutive Cases of Abdominal Section, with remarks.
- LLOYD, Jordan, Esq. (Birmingham). Abdominal Section for Acute Intestinal Obstruction.
- WHITE, J. William, M.D. (Philadelphia). The relations of Subdiaphragmatic Abscess to the Thoracic Viscera, with three Illustrative Cases.
- ALLINGHAM, H. W., F.R.C.S. The Ligamenta Alaria as a Cause of Internal Derangements of the Knee-Joint.
- FRANKS, Kendal, F.R.C.S. Subcuticular Suture.
- STOKES, Sir Wm. Thyrotomy in Laryngeal Cancer.
- KEETLEY, C. B., Esq. (London). Compression of the Abdominal Aorta by an Instrument passed through a Small Opening in the Anterior Wall of the Abdomen.
- KELLER, Otto E., M.D. (London). Trephining in a Case of Actinomycosis of Brain.
- SILK, J. F. W., M.D. (London). Ether as an Adjunct to Nitrous Oxide Anæsthesia in Minor Surgery; with some general remarks upon Ether Narcosis and the teaching of Anæsthetics.
- ADAMS, W., Esq. (London). On the Successful treatment of Cases of Congenital Displacement of the Hip-joint by Complete Recumbency with Extension for two years.
- HERN, John, M.D. (Darlington). The Advisability of Aspiration of the Protruded Gut in Recently Strangulated Hernia, and Notes of Cases.
- HUME, G. H., M.D. (Newcastle). On combined External and Internal Urethrotomy in the Treatment of certain cases of Stricture.
- JONES, Robert, Esq. (Liverpool). 1. The Treatment of Joint Disease by Prolonged Fixation. 2. The Treatment of Certain Cases of Perirectal Abscess by Partial Removal of the Sacrum.
- OTIS, F. N., M.D. (New York). A *Resumé* of the Experience of Seventeen Years in the Operation of Dilating Urethrotomy.
- WARREN, J. H., M.D. An Improved Method for the Radical Cure of Inguinal, Femoral, and Umbilical Hernia by the Formation of a Reinforced Cicatrix at the Site of Rupture.

THOMAS, Wm. (Birmingham). The Value of Tarsotomy in the Treatment of Talipes Equino-varus, with Suggestions as to the best Method of Performing the Operation.

FAIRBANK, F. R. E., M.D. Will show a case of Double Davies-Colley's operation.

SECTION C.—OBSTETRIC MEDICINE AND GYNÆCOLOGY.

(ENGINEERING CLASS ROOM, MECHANICS' INSTITUTE.)

C. OBSTETRIC MEDICINE AND GYNÆCOLOGY.—*President*, Charles J. Cullingworth, M.D. *Vice-Presidents*; James Braithwaite, M.D.; J. W. Byers, M.D. *Honorary Secretaries*, F. Hall, M.D., St. Mark's House, Leeds; Peter Herrocks, M.D., 9, St. Thomas's Street, S.E.

The following papers will be read in the order given, on Thursday, August 15th:—

CROOM, J. Halliday, M.D. 1. On the Shedding of the Decidual Membrane late in the Puerperium. 2. On Encysted Tubercular Peritonitis, simulating Ovarian Tumour.

JONES, M. Handfield, M.D. On Cardiac Insufficiency in its relation to Abortion.

CAMERON, Murdoch, M.D. Caesarean Section, with Notes of a second successful case.

LAWRENCE, A. E. Aust, M.D. Notes on Cases of Concealed Post-Partum Haemorrhage.

ROBERTS, Arthur, M.D. Concealed or Ante-Partum Haemorrhage.

DEKE, Alexander, F.R.C.C.P.I. 1. Additional Traction in Forceps Cases as an Alternative to Craniotomy. 2. New Plan of Plugging the Cervix Uteri in Metrorrhagia.

SECTION D.—PUBLIC MEDICINE.

(PHILOSOPHICAL HALL.)

D. PUBLIC MEDICINE.—*President*, Edward Ballard, M.D., F.R.C.P., F.R.S. *Vice Presidents*, George Goldie, L.R.C.P., Edin; Benjamin A. Whitelégge, M.D. *Honorary Secretaries*, George Eastes, M.B.; F.R.C.S., 35, Gloucester Place, Hyde Park, W.; Arthur Stopford Underhill, M.D., D.P.H., Great Bridge, Tipton, Staffs.

The following special subjects will be considered in this Section on Thursday, August 15th.

1. **Disinfection and Isolation:** with special reference to the control of Epidemics. Dr. C. H. Allfrey (St. Mary Cray) will read a paper on "The Management of Infectious Diseases in Hotels." Dr. W. Squire will read a paper on "Disinfection and Isolation as necessary to the Control of Epidemics." Dr. C. R. Drysdale (London), Dr. E. W. Hope, and Dr. Joseph Loane (London) will take part in this discussion.

2. **Town Refuse: its Treatment and Disposal.** Excremental Matter: its Treatment and Disposal by other Methods than that of Sewers. Dr. E. Slade-King (Ilfracombe) will read a paper on "Town Refuse: its Collection and Disposal in Smaller Towns." Dr. M. Greenwood, jun., will read a paper on "Dusting in our Large Towns," and will take part in the discussion on "Town Refuse: its Treatment and Disposal." Dr. D. E. Flinn (Kingstown), Dr. G. E. J. Greene (Ferns), and others will also take part in this discussion. Dr. C. F. Moore, Dublin, will contribute Notes on the Disposal of Town Refuse and Excremental Matter.

The following further papers are announced:

FLINN, D. E., F.R.C.S.I. (Kingstown). On the Public Cleansing of Towns viewed in Relation to Public Health.
 JAMES, J. Brindley, M.R.C.S. (London). 1. Town Refuse: its Treatment and Disposal.
 KING, E. Slade, M.O.H. (Great Torrington). Town Refuse: its Collection and Disposal in the Smaller Towns.

SECTION E.—PSYCHOLOGY.

(CLASS ROOM 3, SCHOOL OF SCIENCE.)

E. PSYCHOLOGY.—*President*, D. Hack Tuke, F.R.C.P., LL.D. *Vice-Presidents*, W. Bevan Lewis, L.R.C.P.; Ringrose Atkins, M.D. *Honorary Secretaries*, John Greig McDowall, M.D., Menston Asylum, near Leeds; Robert Percy Smith, M.D., Bethlem Royal Hospital, S.E.

The following papers are promised:

WIGLESWORTH, J., M.D. (1) Note on Optic Nerve Atrophy Preceding the Mental Symptoms of General Paralysis. (2) On Fibrinous Membranes within the Spinal canal occurring in the Insane.
 VOISIN, Professeur Aug. (of the Salpêtrière). On the Use of Hypnotic Suggestion as a means of Treatment in Mental Alienation and Allied Nervous Affection.
 BATEMAN, F., M.D. On Hypnotism, with special reference to Certain Experiments at La Salpêtrière.
 BULLEN, F. St. John, M.R.C.S. An Analysis of 1,565 *Post-Mortem* Examinations of the Brain, performed at the Wakefield Asylum during a period of eleven years.

SECTION F.—PATHOLOGY AND PHYSIOLOGY.

(PHYSICS LECTURE ROOM, NO. 11, SCHOOL OF SCIENCE.)

F. PATHOLOGY AND PHYSIOLOGY.—*President*, Joseph Coats, M.D. *Vice-Presidents*, Thomas Churton, M.D.; De Burgh Birch, M.D. *Honorary Secretaries*, Ernest Henry Jacobs, M.D., 12, Park Street, Leeds; T. Wardrop Griffith, M.D., 23, Park Square, Leeds.

A discussion on the subject of Fever will be opened by Dr. T. J. MACLAGAN. Dr. Gairdner, Dr. Dreschfeld, Dr. Handford, Dr. Broadbent, and Dr. Sims Woodhead will take part in the discussion.

The following further papers are announced :

CHURTON, Dr. Indicanuria.

CROOKE, G. F., M.D. The Histology of Bright's Disease.

MOTT, F. W., M.D. The Pathology of Cardiac Failure.

WILLIAMS, Roger, Esq. The Neoplastic Process from an Evolutional Standpoint.

The Pathological Museum will be held in the Chemical Laboratory of the Leeds School of Science (Mechanics' Institute). Dr. Bevan Rake will show a series of preparations illustrative of the various lesions of Leprosy.

President's Address.

SECTION G.—OPHTHALMOLOGY.

(CLASS ROOM 5, SCHOOL OF SCIENCE.)

G. OPHTHALMOLOGY.—*President*, George Anderson Critchett, F.R.C.S. Edin. *Vice-Presidents*, John Albert Nunneley, M.B.; George A. Berry, M.B. *Honorary Secretaries*, Gustavus Hartridge, F.R.C.S., 65, Green Street, Grosvenor Square, W.; R. N. Hartley, M.B., 29, Blenheim Terrace, Leeds.

Mr. JONATHAN HUTCHINSON will open a discussion on the Treatment of Glaucoma. Messrs. Couper, Frost, Evan Jones, Green, Griffith, Hutchinson, Little, Mackinlay, Macnaughton Jones, Prichard, Scougal, Sympton, Tweedy, Cant, and Lloyd Owen have promised to take part in the discussion.

The following further papers are announced :

BENSON, A. H., M.B. Pulsating Tumour of Orbit cured by Digital Pressure.

CANT, W. J., M.R.C.S. A Case of Paralysis of the Right External Rectus Muscle after Injury to the Left Temple (*contre coup?*).

CROSS, F. Richardson, M.R.C.S. Muscular Advancement.

FORD, Vernon, M.R.C.S. The Value of Peritomy in Ulcers of the Cornea, etc.

- FROST, W. Adams, F.R.C.S., will show a series of Ophthalmoscopic Drawings thrown on to a Screen.
- GROSSMAN, K. I. *Blenorrhœa Neonatorum*.
- HARRIDGE, G., F.R.C.S., Case of Pulsating Exophthalmos cured spontaneously by suppuration of Contents of Orbit.
- HERN, John, M.D. Scleritis from Dental Irritation.
- HEWETSON, H. B., M.R.C.S. Series of cases of Interstitial Keratitis treated by Synechotomy.
- JOHNSON, G. L., F.R.C.S. Observations on the Therapeutical Action of the Violet and Ultra-violet Rays of Light on Vision.
- MONEY, Angel, M.D. Sudden Transient Ocular Phenomena in Children.
- MULES, P. H., M.D. Peripheral Neuritis of the Ophthalmic Division of the Fifth Nerve, and its Clinical Bearings.
- THOMPSON, J. T., M.B. (1) A Note on a case of Superficial Keratitis induced by Aniline Violet. (2) Necrosis of Cornea from Contact with Crude Creasote.

SECTION H.—DISEASES OF CHILDREN.

(CLASS ROOM I, SCHOOL OF SCIENCE.)

H. DISEASES OF CHILDREN.—*President*, Thomas Scattergood, M.R.C.S. *Vice-Presidents*, Richard Favell, M.R.C.S.; A. H. Carter, M.D. *Honorary Secretaries*, Walter Henry Brown, F.R.C.S.I., 19, Queen Street, Leeds; Angel Money, M.D., F.R.C.P., 24, Harley Street, Cavendish Square, W.

A discussion on the following subject will take place: The paralyzes of the first two years of life. What is the relative frequency of paralysis from brain, cord, and nerve disease? What is the nature of the changes in the centres and nerves? This will probably be opened by the Honorary Medical Secretary. Papers will be read on the various forms of infantile paralysis: spastic paraplegia, congenital chorea, infantile palsy, and diphtheritic paralysis.

Surgical Portion.—Subject for discussion: The Surgical Treatment of the Various Congenital Malformations. Mr. Walsham and Mr. Morgan will take part in the discussion.

The following further papers are announced:

- BALLANTYNE, J. W., M.B., F.R.C.S.Ed. Sclerema and (Edema of New-born Infants.
- CHURCHILL, F., M.D. Hare-lip Operations.
- CHURTON, T., M.D., Meningitis following slight Injuries to the Head.
- MORGAN, J. H., F.R.C.S. Congenital Malformations.
- WARNER, F., M.D. The Frequency of Coincidental Defects in Development as seen in Children.

SECTION I.—LARYNGOLOGY.

(CLASS ROOM 2, SCHOOL OF SCIENCE.)

I. LARYNGOLOGY.—*President*, Henry T. Butlin, F.R.C.S. *Vice-Presidents*, Francis de Havilland Hall, M.D.; Richard A. Hayes, M.D. *Honorary Secretaries*, Greville Macdonald, M.D., 47, Queen Anne Street, Cavendish Square, W.; Barclay J. Baron, M.D., 16, Whiteladies Road, Bristol.

The following subject is proposed for special discussion:

Perichondritis of the Larynx: its Etiology, Pathology, Symptoms, and Treatment.

The following gentlemen have promised papers on this subject: Dr. de Havilland Hall, Dr. G. Macdonald, Dr. David Newman, and Dr. Scanes Spicer; and the following will take part in the discussions: Dr. Dundas Grant, Dr. Hodgkinson, Mr. T. Mark Hovell, Dr. C. J. Lewis, Dr. S. Moritz, Dr. G. Hunter Mackenzie, Dr. Scanes Spicer, Mr. G. Eland Stewart, Dr. Archibald Garrod, Dr. Warden, Dr. A. Mantle.

The following further papers are announced:

HAILES, W. J., M.D. (Albany, N.Y.). Intubation of the Larynx, 60 Cases, 20 Recoveries, with Instruments.

LAWRENCE, L. H., F.R.C.S. Granular Pharyngitis.

SPICER, R. H. Scanes, M.D. Throat and Nose Affections in Children as Causes of Functional Nervous Disorders.

SECTION J.—OTOLOGY.

(ELEMENTARY DIVISION, MECHANICS' INSTITUTE.)

J. OTOLOGY.—*President*, George P. Field, M.R.C.S. *Vice-Presidents*, Frederick Morrish Pierce, M.D.; Henry Bendelack Hewetson, M.R.C.S. *Honorary Secretaries*, Adolf Bronner, M.D., 33, Manor Row, Bradford; G. William Hill, M.B., 24, Wimpole St., W.

The following subject is proposed for formal discussion:

The Diagnosis, with Special Reference to Localisation, of Intracranial Lesions the result of Aural Disease.

The discussion will be opened by Mr. Cumberbatch and Dr. William Macewen, of Glasgow; Dr. Hughlings Jackson, Dr. Broadbent, Professor Ferrier, and Professor Horsley will speak on the same subject.

The following otologists have also intimated their intention of joining in the discussion: Clarence J. Blake, M.D. (Boston, U.S.A.), Professor Urban Pritchard, M.D. (London), H. Macnaughton Jones, M.D. (London),

J. Dundas Grant, M.D. (London), W. R. H. Stewart, F.R.C.S.Ed. (London), Donald Stewart, M.D. (Nottingham), Dr. Charles Warden (Birmingham), Mr. Lennox Browne, G. J. Mackesy, M.B., W. L. Mackesy, M.B., J. Erskine, M.B. (Glasgow), and Mr. Richard Williams.

The following papers will be read :—

- BARR, Thomas, M.D. (Glasgow).** Will show Sections of Temporal Bones from Cases of Intracranial Disease illustrative of the various directions by which Disease of the Middle Ear may extend to the Interior of the Cranium.
- HARTLEY, R. N., M.B. (Leeds).** Abscess of Right Temporo-Sphenoidal Lobe following Old Middle Ear Disease. (Trepined and drained: Recovery: Patient Shown.)
- LEE, Charles G., M.R.C.S. (Liverpool).** A case of Cerebral Tumour Complicated with Symptoms of Acute Otitis.
- COUSINS, J. Ward, M.D. (Plymouth).** On a New Antiseptic Ear Drum. (Specimen shown.)
- BLAKE, Clarence (New York)** Remarks on the Mechanical Treatment of the effects of Chronic Catarrhal and Chronic Suppurative Inflammation of the Middle Ear.
- SEXTON (New York).** Operation for Deafness and Tinnitus due to Immobilisation of the Ossicles, and for Otorrhœa.

Dr. WARD COUSINS will give a Demonstration on the Value of Antiseptic Artificial Drums, at 2.15 p.m., Medical Out-patient Room, Leeds Infirmary.

SECTION K.—PHARMACOLOGY AND THERAPEUTICS.

(CLASS ROOM 10, SCHOOL OF SCIENCE.)

K. PHARMACOLOGY AND THERAPEUTICS.—*President*, Sir William Roberts, M.D., F.R.S. *Vice-Presidents*, T. Cranstoun Charles, M.D.; I. Burney Yeo, M.D. *Honorary Secretaries*, John B. Hellier, M.D., 1, De Grey Terrace, Leeds; Dawson Williams, M.D., 25, Old Burlington Street, W.

At 10 a.m. on Thursday, August 15th, a discussion on Foods for Invalids and Infants will be introduced by Dr. Burney Yeo, and Dr. Sidney Martin. Dr. E. D. Mapother, Dr. T. Cranstoun Charles, Mr. R. W. Parker, and Dr. S. McBean (Newcastle) will take part in the discussion.

The following papers have been promised :

CHARTERIS, Professor M., and MACLENNAN, W., M.B. Experimental Research on the General Comparative Action of the Natural and Artificial Salicylic Acids and their Salts of Sodium.

- SOLLY, Samuel E., M.R.C.S., L.S.A. (Colorado Springs). On the Climate of Colorado.
- YEO, I. Burney, M.D. (London), and SCHEUCIG, Arnold, M.D. (Nervi). On the Treatment of Phthisis by Hypodermic Injection of Guaiacol.
- CROCKER, H. Radcliffe, M.D., on Anthrarobin and the Soziodols in the Treatment of Skin Diseases.
- ILLINGWORTH, C. R., M.D. (Accrington). The Therapeutics of the Biniodide of Mercury.
- PEARSE, T. F., M.R.C.P., M.R.C.S. On the Use and Abuse of Soap.
- HAIG, A., M.A., M.D. The influence of Opium and Morphine on Uric Acid considered with reference to the Action in Health and Disease.
- WOODS, Hugh, M.D. (Highgate). The Oxyiodides of Calcium and Bismuth.
- CHARLES, T. Cranstoun, M.D. (London). 1. Some Cases of Diabetes.
2. On Ichthyol.
- GREENE, G. E. J., L.K.Q.C.P.I. (Wexford). Lychnis Floscuculli in Renal and Vesical Affections.
- MURRAY, W., M.D. (Newcastle-on-Tyne). On the Removal of Renal Calculi by Toxic Doses of Belladonna.
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British Medical Association.

REGULATIONS FOR THE CONDUCT OF ANNUAL GENERAL MEETINGS OF THE BRITISH MEDICAL ASSOCIATION.

General Control of Meeting.

1. The programme of the Annual General Meeting shall be under the control of the Council. The following Regulations shall guide the Committee of Arrangement and any local Committee that may be formed :--

Necessity of Limiting the Expenditure.

2. The gradual and constant increase of the Members of the British Medical Association renders it expedient to express the strong opinion of the Council that the medical men of the locality at which the Association holds its Meeting should not deem it necessary to incur a large expenditure, as otherwise the choice of a place of meeting must be more and more limited to the larger towns of the kingdom.

Annual Dinner.

3. The Annual Dinner shall be under the control of the Council.

Papers to be read at Meeting.

4. All Papers intended to be read at the Annual Meeting shall be forwarded, together with an Abstract, to the Secretaries of Sections ten days before the Annual Meeting takes place, excepting the Addresses of the Presidents of Sections or the Addresses to be delivered in General Meeting.

Directions for Sections.

5. The Presidents, Vice-Presidents, and Secretaries of Sections shall form a Committee of Reference, with power to accept, decline, or postpone any Paper, and to arrange the order in which the Papers shall be read.

Grouping of Papers for Discussion.

6. The Papers in each Section shall, as far as possible, be grouped together, so as to ensure a general discussion on kindred subjects.

Length of Time to be occupied by Papers or Speeches.

7. No communication shall occupy more than fifteen minutes, and no person shall be permitted to speak more than once or for more than ten minutes during the discussion thereon.

Resolutions at Annual Meetings.

8. No Motion shall be brought forward at the Annual Meeting unless it has been proposed by the Council or a Committee of the Association, or notice of the same shall have been given on the previous day, in writing, to the General Secretary, to be entered on the Agenda of the day and printed in the Daily Journal. This does not apply to Amendments moved in due form.

Meeting of Council.

9. The Council of the Association shall meet on the first day of the Annual Meeting, and the First General Meeting of the Association shall be held in the evening.

Reports of Committee.

10. All Reports of Committees of the Association shall be printed in the JOURNAL before the Annual Meeting.

List of Members

WHO HAVE REGISTERED THEIR NAMES.

- Abraham, P. S., M.D., 11, Nottingham Place, London, W. ; Reception Room.
- Acland, T. D., M.D., 7, Brook Street, W. ; T. P. Teale's, Cookridge St.
- Adams, W., 5, Henrietta Street, Cavendish Square ; Great Northern Hotel.
- Aldridge, C., M.D., Plympton House, Plympton, South Devon ; Great Northern Hotel.
- Allbutt, H. A., 24, Park Square, Leeds.
- Allfrey, C. H., M.D., St. Mary Cray ; 1, Moorland Terrace.
- Allan, J., M.D., Beckett Street, Leeds.
- Althorp, C. F. M., Bradford Infirmary.
- Allingham, H. W., 25, Grosvenor Street, London, W. ; West Riding Hotel.
- Amyot, T. E., Diss, Norfolk ; Red Lion Hotel.
- Anderson, J., M.D., 105, Gloucester Place, Portman Square, London ; Studley Royal, Ripon.
- Anderson, T., M.D., Stonegate, York ; Mr. Mayo Robson, Hillary Place.
- Anderson, Mrs. Garrett, M.D., 4, Upper Berkeley Street, London ; Quarrydene, Weetwood, Leeds.
- Anningson, J. W., 11, Yorkshire Street, Burnley ; Park House, Aberford.
- Appleton, R. C., The Bar House, Beverley ; Cliffe Lodge, Hyde Park, Leeds.
- Aplin, Alfred, M.D., County Asylum, Sneinton, Nottingham ; Queen's Hotel.
- Arlidge, J. T., M.D., The High Grove, Stoke-upon-Trent ; Bridge House, Haworth, Keighley.
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- Atkinson, G. P., Pontefract ; 2, Eldon Place.
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- Atkinson, R., Cliffe Cottages, Rippondon, Halifax.
- Atkinson, Edward, 16, Blenheim Terrace, Leeds.
- Barr, J., M.D., Liverpool ; West Riding Hotel.
- Barr, T., M.D., 7, Albany Place, Glasgow ; 18, Mount Preston.
- Barber, F. S., Bradford.
- Ball, A., York.

- Bates, W. R., Addingham.
- Bailey, T. R., M.D., Edin., Bilston, Staffs. ; 31, Whetley Hill, Bradford.
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- Balding, D. B., Royston, Cambs. ; 29, Sholebroke Avenue.
- Bartram, J. S., Bath ; Mr. Ryder, Glenhow Hill.
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- Bateman, F., M.D., Norwich ; Marshall Stables, Esq., Hope Villa, Armley.
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- Bendelenbury, F., M.D., Bonn ; Mr. Wilson, Osborne Terrace.
- Beck, F. E., Surgeon, Belfast ; Albion Hotel.
- Bernard, W., 14, Queen Street, Londonderry ; Mrs. Hepworth, 37, Mount Preston.
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- Bishop, E. S., Ardwick, Manchester ; Phoenix, Leeds.
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- Bowman, R. M., Ripon.
- Bodken, W., M.D., Chelmsford ; Trevelyan Hotel.
- Bond, F. F., M.D., Rastrick.
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Edison's, Leeds.
- Brookhouse, J. O., M.D., Nottingham ; Queen's Hotel, Leeds.
- Broughton, H. T., Heckmondwike.
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- Broadbent, S. W., Dalton-le-dale, Sunderland ; Dr. Hunter, Pudsey.
- Briscoe, J. E., General Infirmary, Leeds.
- Brown, Walter Henry, 19, Queen Street, Leeds.
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Great Northern Hotel.
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- Buchanan, H. D., M.B., Kirkgate, Thirsk ; 24, Mount Preston.
- Buncle, A., M.B., Ed., Purstone, Pontefract ; Conservative Club.

- Byers, J. W., M.D., Lower Crescent, Belfast; Dr. J. Braithwaite, Little Woodhouse, Leeds.
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- Eames, T. B., Barnfield House, Stoneclough, near Manchester; 29, Mount Preston.
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- Exley, John, Grove House, New Wortley, Leeds.
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- Finucane, Thorney Dawson, M.D., Black Rock, Co. Dublin ; 41, Mount Preston.
- Fisher, E. D., M.D., New York City ; Queen's Hotel.
- Fleck, E., M.D., Cologne, Germany, Urzulastr, 18 ; Northern Hotel.
- Fletcher, F. A. C., Crosshills, Keighley.
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- Foreman, T. D., Denton ; Northern Hotel (Hallam's).
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- Fryer, J., Batley Carr, Dewsbury.
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 Goff, Bruce, M.D., Bothwell, Lanarkshire ; Queen's Hotel.
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 Goyder, David, M.D., Bradford.
 Gorvan, R., Maybole, N.B. ; Trevelyan Hotel, Boar Lane.
 Goodwin, A. G., Kensington. Liverpool.
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 Greenwood, John William, Ossett.
 Greenwood, G. Spencer, Gowood House, Ossett.
 Grant, C., M.B., Edin., Queen Mary's House, Inverness, Great Northern Hotel.
 Grime, J., M.D., Blackman Lane ; Queen's Hotel.
 Gray, E., M.B., St. Hubert's, Bickenham, Kent ; 11, Blenheim Terrace, Leeds.
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 Rivington, W., 22, Finsbury Square, London ; Bank House, Morley.
 Rowley, C. O., 20, Church Street, Barnsley ; West Hill House, Chapel-
 town Road.
 Rowbotham, H. C., Vale House, Melbourne, Derbyshire ; Great Northern
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 Royston, C., M.D., 1, St. Stephen's Crescent, Westbourne Park, London,
 W. ; Hydropathic Establishment, Harrogate.
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 Hotel.
 Roberts, A., M.D., Oaklands, Keighley.
 Robinson, M., Surgeon-Major, Carleton Road, Pontefract.
 Routh, C. H. F., M.D., 52, Montague Square, London, W. ; Queen's
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 Roberts, Edwin, 3, Chorley Lane, Leeds.
 Robson, A. W. Mayo, Hillary Place, Leeds.
 Rowe, Geo. Herbert, Hillary Place, Leeds.
 Roper, Herbert John, 4, Spencer Place, Roundhay Road, Leeds.
 Roulston, William, Southgate, Wakefield.
 Robertshaw, David, M.B., Crail, Fife ; W.R. Asylum, Wakefield.
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 Robinson, H., Alma House, Barnsley ; 43, Ella Street, Leeds.
 Roberts, R., Portmadoc, North Wales ; Great Northern Hotel.
 Robertson, J. A., M.D., Stilton, Peterborough ; Commercial Hotel, Albion
 Street.
 Rumbolt, S., Belgaund House, Leeds.
 Rugg, G. P., M.D., London ; 17, Cromer Terrace.
 Russell, William, M.D., Edinburgh ; Victoria Hotel.
 Rygale, D. J., Cambridge ; Trevelyan Hotel.
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 Park Place, Leeds.
 Scott, T., M.D., Ilkley.
 Scattergood, A. K., 1, Blenheim Square, Leeds.

- Scattergood, Thomas, 41, Park Square, Leeds.
- Scurfield, H., M.D., Sunderland; 19, Clarendon Place.
- Scott, G. R. S., Ridgefield, North Hill Road.
- Scatchard, Thomas Edward, Boston Spa.
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- Sellers, Arthur Edward, Grove Place, Dalton, Huddersfield; Ida Hospital, Horsforth.
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- Sheen, A., M.D., Cardiff; Great Northern Hotel, till Wednesday afternoon.
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- Shuttleworth, Geo. Ed., M.D., Royal Albert Asylum, Lancaster; Granby Hotel, Harrogate.
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- Smith, P. C., Durham County Asylum, Winterton, Ferryhill; 9, Clarendon Place.
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- Smith, Robert Percy, M.D., Bethlem Royal Hospital, St. George's Road, London, S.E., c/o Dr. J. G. McDowall, Menston Asylum.
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Tuke, C. M., Manor House, Chiswick.

Turner, Alfred, M.B., West Riding Asylum, Menston, near Leeds.

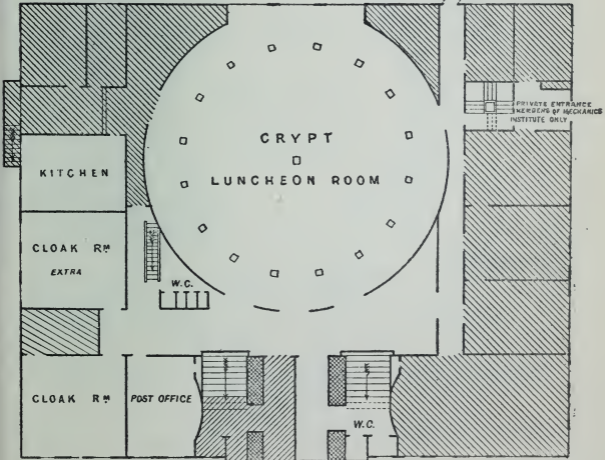
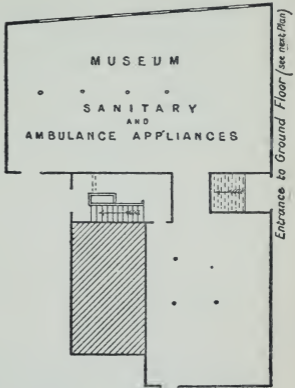
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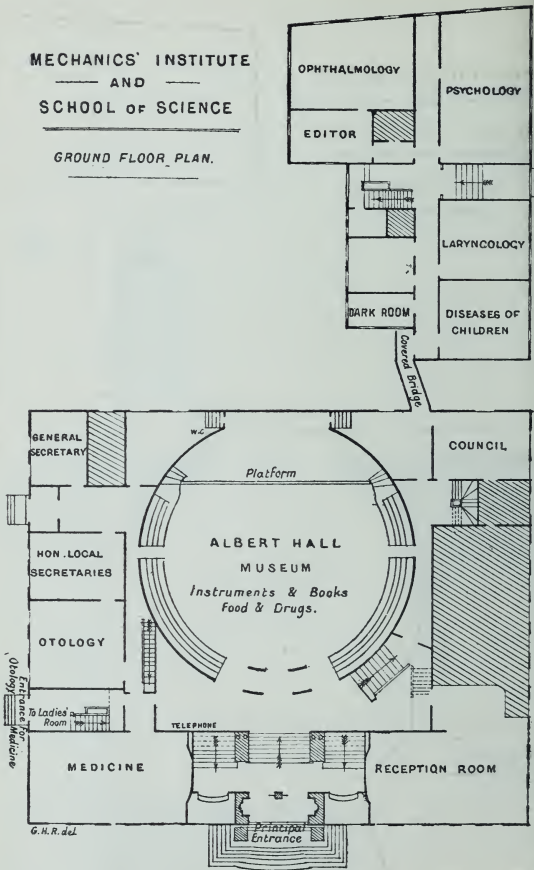


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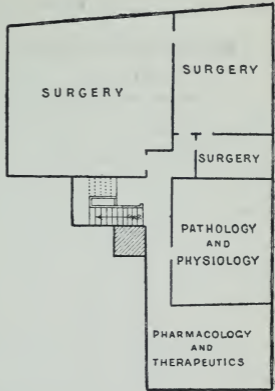
R O S S I N G T O N
S T R E E T



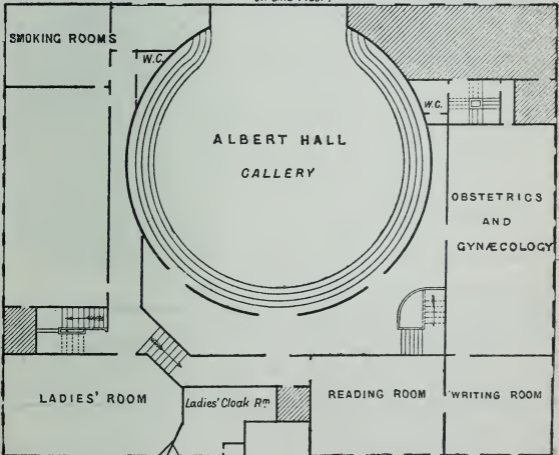
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G.H.R. del.

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CONTAINS FREE FAT INSTEAD OF FREE ALKALIES.

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“It is well-known that the use of some soaps, owing to the excess of alkali they contain, do not agree with many skins, more especially in infancy, in females, and when they are irritated or inflamed. It was a decidedly happy idea to incorporate cream in ‘Vinolia’ Soap, and the result is a decided success, as we can testify from a prolonged trial of the article. The great feature of ‘Vinolia’ Soap is that it contains, instead of some free alkali, an excess of the plastic emollient cream, and thus embodies the principle introduced in recent years of a superfatty soap; consequently it is beautifully emollient and softening to the skin, and most soothing in many slightly inflamed conditions. Everyone knows, for instance, what a difficult problem it is to cleanse inflamed skin on the hands without setting up irritation. It lathers well, and altogether is most agreeable. For those who are interested in the subject of shaving, we add, try ‘Vinolia’ Soap.”

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An Address in Surgery will be delivered by T. PRIDGIN TEALE, M.B., F.R.C.S., F.R.S., Consulting Surgeon to the Leeds General Infirmary, Leeds.

An Address in Psychology will be delivered by SIR J. CRICHTON BROWNE, M.D., LL.D., F.R.S., Lord Chancellor's Visitor in Lunacy, London.

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The Sectional Secretaries and Local Officers will wear Badges, thus:—

GREEN—*Secretaries of Sections*, with the initial letters of their respective Sections—Medicine (M.), Surgery (S.), Obstetrics, &c. (O.), Public Medicine (P.M.), Psychology (Psy.), Pathology and Physiology (P.P.), Ophthalmology (Oph.), Diseases of Children (C.), Laryngology (L.), Otology (Ot.), Pharmacology and Therapeutics (P.T.)

BLUE—*Secretaries of Sub-Committees*—Reception (R.), Soirée (S.), Dinner (D.), Hotel and Lodgings (H.L.), Excursions (E.), Museums (M.), and Sections (Ma.), (Mb.), (Mc.), (Md.), (Me.) respectively. The Stewards to the *Conversazione* and Dinner, and the gentlemen in charge of the various Excursions, will also wear Badges.

RED— { *Honorary Local Secretaries* (Hon. Sec.)
 { *Honorary Local Treasurer* (T.)

General Arrangements.

All General Meetings of the Association will be held in the Coliseum, in Cookridge Street, and the Public Medicine Section will meet at the Philosophical Hall, in Park Row. With these two exceptions, the whole of the work of the Meeting will be done in the Mechanics' Institute and adjoining School of Science.

THE RECEPTION ROOM

Will be found by turning to the right on entering the Mechanics' Institute by the principal door in Cookridge Street. It will be open on Monday, August 12th, from 12 o'clock noon until 8 p.m., and during the rest of the Meeting from 9 a.m. to 6 p.m.

POST AND TELEGRAPH OFFICE.

TELEGRAPHIC ADDRESS:—"CONGRESS," LEEDS.

A special office will be open until 7 p.m. each day during the Meeting in the basement of the Mechanics' Institute (down the left-hand staircase opposite the principal entrance). Members are particularly requested to ask at the Post Office for letters and telegrams. Each morning lists will be posted up of the names of those for whom letters and telegrams received the previous day are waiting. The Letter-box is in the passage outside the Post Office.

TELEPHONE.

On the Ground Floor, Mechanics' Institute. Exchange, No. 600. (See Plan.)

READING AND WRITING ROOMS

Are provided on the First Floor of the Mechanics' Institute, and are most easily reached by the staircase near the Reception Room door.

LUNCHEON ROOM

In the Crypt of the Mechanics' Institute. Luncheon will be provided at a cost of 2s. 6d., from 12 to 3 o'clock daily.

SMOKING ROOM

On the First Floor of the Mechanics' Institute. (Staircase near Medicine Section Room, Special Entrance, Vernon Street).

NEWSPAPER STALL.

Messrs. Goodall and Suddick will supply a Newspaper Stall, which will be found immediately on the right inside the principal entrance of the Mechanics' Institute. London Papers will arrive at 10.10 a.m.

LADIES' ROOM AND CLOAK ROOM

(WITH ATTENDANT),

On the First Floor of the Mechanics' Institute (special entrance, Vernon Street).

DRESSING ROOM.

Arrangement for the above, from 10 a.m. to 9 p.m., has been made at the Trevelyan Hotel, Boar Lane, at a charge of 1/- each member making use of it. Dressing Bags may be left in charge of the Manager.

Access to Sectional Meeting Rooms, etc.

In consequence of the narrowness of the passages in the Mechanics Institute and School of Science, and especially of the single one which forms the sole means of communication between these two buildings, Members are *particularly requested* to consult the Table given below, and as far as possible to enter by the door, the name of which is placed opposite the room they wish to reach.

SECTIONS.

	<i>Building.</i>	<i>Floor.</i>	<i>Door.</i>
A. Medicine	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
B. Surgery	School of Science ..	First ..	Rossington Street.
C. Obstetric Medicine	Mechanics' Institute..	First ..	Cookridge Street. (Principal).
D. Public Medicine	Philosophical Hall ..		In Park Row.
E. Psychology	School of Science ..	Ground ..	Rossington Street.
F. Pathology and Physiology ..	" ..	First ..	"
G. Ophthalmology	" ..	Ground ..	"
H. Diseases of Children	" ..	" ..	"
I. Laryngology	" ..	" ..	"
J. Otology	Mechanics' Institute..	" ..	Cookridge Street (Principal).
K. Pharmacology and Therapeutics	School of Science ..	First ..	Rossington Street.

MUSEUM.

A. Food and Drugs	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
B. Pathology	} School of Science ..	Second ..	Rossington Street.
C. Anatomy and Physiology ..			
D. Instruments and Books ..	Mechanics' Institute..	Ground	Cookridge Street Albert Hall (Principal).
E. Sanitary and Ambulance Appliances	School of Science ..	Basement	Rossington Street.

GENERAL ROOMS.

Reception	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Reading and Writing	" ..	First ..	"
Ladies'	" ..	" ..	Vernon Street.
Luncheon	" ..	(Crypt)	Cookridge Street
		Basement	(Principal).
Cloak	" ..	" ..	"
Post and Telegraph Office ..	" ..	" ..	"

OFFICIAL.

Council Room	Mechanics' Institute..	Ground ..	Cookridge Street (Principal).
Editor's Room	School of Science ..	" ..	Rossington Street.
General Secretary's Room ..	Mechanics' Institute..	" ..	Vernon Street (2nd door).
Local Secretaries' Room	" ..	" ..	"

The Annual Museum.

IN connection with the Fifty-seventh Annual Meeting of the British Medical Association, the Museum and Exhibition will be held in the Albert Hall, and the Covered Play-ground and Chemical Laboratory of the Leeds School of Science (Mechanics' Institute).

The Museum will be arranged in the following sections :—

SECTION A.—In the Albert Hall, FOODS AND DRUGS including Antiseptic dressings and other Chemical and Pharmaceutical preparations. *Honorary Secretaries*, Dr. J. Hellier, 1, De Grey Terrace, Leeds; Mr. C. V. Newstead, 40, Headingley Lane, Leeds.)

SECTION B.—In the Chemical Laboratory, PATHOLOGY, comprising casts, models, diagrams, apparatus, microscopical and spirit preparations, etc. *Honorary Secretaries*, Dr. J. Dobson, 27, Burley Lawn, Leeds; Dr. E. H. Jacob, 12, Park Street, Leeds.

SECTION C.—In the Chemical Laboratory, ANATOMY AND PHYSIOLOGY, comprising special dissections, methods of preparation, drawings, models, microscopes, microtomes, and microscopic preparations. *Honorary Secretaries*, *Physiology*, Dr. De Burgh Birch, 16, De Grey Terrace, Leeds. *Anatomy*, Dr. Wardrop Griffith, 23, Park Square, Leeds.

SECTION D.—In the Albert Hall, INSTRUMENTS AND BOOKS, including appliances, medical, surgical, and electrical. *Honorary Secretaries*, *Instruments*, Mr. W. H. Brown, 19, Queen Street, Leeds. *Books*, Mr. F. H. Mayo, 49, Otley Road, Leeds.

SECTION E.—In the Covered Play-ground, School of Science, SANITARY AND AMBULANCE APPLIANCES. *Honorary Secretaries*, *Sanitary*, Mr. J. S. Loe, Grafton Street, Leeds. *Ambulance*, Mr. R. N. Hartley, Blenheim Terrace, Leeds.

Chairman, Museum Committee, T. Churton, M.D.

Honorary Secretary, Ernest H. Jacob, M.D., 12, Park Street, Leeds.

Communications on general matters connected with the Museum to be addressed to the Museum Secretary, Dr. Jacob, 12, Park Street, Leeds.

Entertainments.

THE ANNUAL DINNER

Of the Association will be held in the Town Hall, on Thursday, August 15th, at 7.30 p.m. Tickets, including wine, One Guinea; without wine, 15s. Members are particularly requested to apply **early** for Tickets, and to choose their seats in the Reception Room. *No Tickets will be sold after the Reception Room closes on Wednesday Evening.*

Tickets for Ladies wishing to attend the speeches may be obtained by members when purchasing their Dinner Tickets.

(For late trains from Leeds see page 18.)

CONVERSAZIONE,

Given by the President and Local Executive Committee in the Municipal Art Gallery, at 8.30 p.m., on Wednesday, August 14th.

Invitation cards can be obtained by members in the Reception Room.

The Guests are requested to observe the following arrangements :—

1. Carriages to set down at the Calverley Street entrance.
2. Admission Cards must be given up at the entrance.
3. Cloak Room Arrangements :

The Rate Office, exactly opposite to the Calverley Street entrance, will be used as the Gentlemen's Cloak Room. The counter will be divided into ten sections, each section taking 100 guests, and being in charge of an attendant. The sections will be marked off by placards announcing the number to be taken in each section.

Each Invitation or Admission Card will be accompanied by a double Cloak Room Ticket; and, on arriving, the guest will go to the section of the Cloak Room containing his number; *e.g.*, the Cloak Room Ticket No. 407 will go to section 401-500 inclusive. One half of the ticket is to be retained by the guest, the other half to be given up with coats, &c.

The same arrangements will be made in the Ladies' Cloak Room.

4. The President will receive the guests in the Stair-case Hall.
5. Refreshments will be served in the North Room.
6. The Entertainment by Mr. and Mrs. Upton and Mr. Laurence Kellie will be given in the Reading Room.

CARRIAGE REGULATIONS.

SETTING DOWN.

Carriages will proceed by way of Park Lane to the Calverley Street entrance of the Municipal Buildings, and set down with horses' heads to Great George Street, and will leave by Great George Street.

TAKING UP.

Carriages will be parked in Victoria Square and adjacent streets, under the directions of the Police on duty, and will take up with horses' heads towards Great George Street, and move off by Great George Street.

GARDEN PARTIES.

THURSDAY, 4 to 6.30 P.M. A Garden Party will be given by Sir James Kitson, Bart., at Gledhow Hall.

FRIDAY, 4 to 6.30 P.M. A Garden Party will be given by Mr. T. R. Jessop, F.R.C.S., at Roundhay Mount.

Carriages will be provided at 3.30, in Vernon Street; fare in both instances, 6d. for the single journey.

The Headingley Tram-cars will also, by special arrangement, run through the town to Roundhay on both Thursday and Friday afternoons, beginning at 3.30 p.m., and then every 15 minutes until 7 p.m. They will stop at the Mechanics' Institute to take up passengers.

4 to 6 P.M. A Garden Party will be given at the West Riding Asylum, Wakefield, by Mr. Bevan Lewis, Medical Director.

Train, 3.25 and 4.35 p.m., Great Northern Station, to Westgate, Wakefield.

SATURDAY, 4 p.m. A Garden Party will be given by the Lord Bishop of Ripon and Mrs Carpenter, at the Palace, Ripon. This Garden Party is included in the programme of Excursion No. 5, but the invitation is extended to all Members of the Association.

AFTERNOON RECEPTIONS.

WEDNESDAY, 4.30 to 6.30 P.M. An Afternoon Reception will be given at the Yorkshire College, by The Most Hon. the Marquis of Ripon (President), Council, and Senate of the College.

4 to 6.30. An Afternoon Reception, at the Carlton Barracks, will be given by Colonel Wilson and Officers of the 3rd Volunteer Battalion of the West Yorkshire Regiment to members who are or have been connected with any of the military services.

Invitation Cards for the Garden Parties and Receptions can be obtained by members in the Reception Room.

RECEPTION AND BALL.

FRIDAY, 8 P.M. The Mayor and Mayoress of Leeds (Alderman and Mrs. Ward) will give a Reception, followed by a Ball, in the Town Hall in honour of the Association.

Members can obtain Invitation Cards in the Reception Room.

No Cards will be issued after Thursday.

SHORT EXCURSIONS.

MORNING DRIVES AND VISITS TO MANUFACTORIES,
ETC.

In order to facilitate the necessary arrangements for conveyance, members are particularly requested to enter their names in the Reception Room for the above as early as possible.

Tickets must be obtained not later than the day previous to visit.

Fares for circular visits to manufactories will be 1/6, to be paid on taking ticket.

Members are requested, when visiting manufactories, to take their Association Tickets, as in some instances they will be required for presentation.

Wednesday.

9.30 A.M.—DRIVE TO ADEL CHURCH AND KIRKSTALL ABBEY.
Conducted by the Vicar of Adel and Professor Ransome (Professor of Modern History at the Yorkshire College). Number unlimited. Fare 2/-, to be paid on taking ticket.

No 1 CIRCULAR VISIT (Number limited to 25).

10 A.M.—12.30 P.M.—VISIT TO MESSRS. BARRAN'S, Manufacturing Clothiers, Park Square and Woodhouse Square.
MESSRS. CLIFF AND Co.'s WORKS, Wortley (Pottery Works).
MESSRS. PAWSON AND SONS' WORKS, Wortley, Cloth Manufacturers. (Luncheon provided.)

No. 2 CIRCULAR VISIT (Number unlimited).

10.30 A.M.—12.30 P.M.—VISIT TO MESSRS. FAIRBAIRN'S, Wellington Bridge. Flax, Machine, and Tool Makers.
MESSRS. PAUL AND Co., The "Oak" Tannery, Kirkstall Road.
MESSRS. MCCORQUODALE AND Co., Basinghall Street, Printers and Lithographers.

No. 3 CIRCULAR VISIT (Number limited to 125).

10 A.M.—2 P.M.—MESSRS. GREENWOOD AND BATLEY, Makers of Torpedoes, Ammunition, and Heavy Tools, Armley Road. (Luncheon provided for 100.)
MESSRS. EYRES AND Co., Woollen Manufacturers, Armley. (Luncheon provided for 25.)

2.30—3.30 P.M.—Organ Recital at Armley Church.

3.30 P.M.—Afternoon Tea at Dr. Coleman's, Armley.

EXCURSION TO BOROUGHBIDGE AND ALDBOROUGH (the ancient city of Isurium).

A party not exceeding 25 in number will leave Leeds, North Eastern Station, by the 11 a.m. train for Boroughbridge. Conducted by Mr. A. D. H. Leadman, F.S.A.

Luncheon will be provided by Mr. Lawson, Aldborough Manor.

Thursday,

9.30 A.M.—DRIVE TO TEMPLE NEWSAM (the seat of the Hon. Mrs. Meynell Ingram), and ROUNDHAY PARK. Conducted by Mr. C. Richardson. Number Unlimited. Fare 1/6, to be paid on taking ticket.

No. 1 VISIT (Number unlimited).

10—11 A.M.—VISIT TO THE FARNLEY IRON WORKS. (Train 10.15 a.m. L. & N. W. Railway to Wortley; return 11.58 a.m.)

No. 2 CIRCULAR VISIT (Number unlimited).

10—12 A.M.—VISIT TO MESSRS. ARTHUR AND Co., Park Square, Manufacturing Clothiers.
MESSRS. J. TETLEY AND SONS' BREWERY.

No. 3 VISIT (Number limited to 100).

10 A.M.—2 P.M.—VISIT TO LEEDS FORGE Co.'s WORKS. (Corrugated Boiler Flues, Fox's Tyres, Extensive Water Gas Plant, &c.) (Luncheon provided.)

No. 4 CIRCULAR VISIT (Number limited to 40).

10—12 A.M.—VISIT TO MESSRS. CRAWFORD'S MILLS, East Street. Woollen Manufacturers.
MESSRS. ELLIOTT HINCHCLIFFE AND Co.'s MILLS. Woollen Manufacturers.
MESSRS. TAYLOR'S "CLARENCE" IRONWORKS. (Luncheon provided.)

No. 5 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO MR. ALF COOKE'S COLOUR PRINTING WORKS.
MESSRS. TANNETT AND WALKER'S IRONWORKS.
MESSRS. FOWLER AND Co.'s STEAM PLOUGH WORKS.

VISIT TO MENSTON ASYLUM. Train, Midland Railway Station, 1.15 p.m., to Guiseley. Return train, 3.24 or 6.24 p.m. from Guiseley.

Friday.

9.30 A.M.—DRIVE TO HAREWOOD AND HAREWOOD HOUSE (the Seat of the Earl of Harewood). Conducted by Mr. P. A. Steedman, of Harewood, who invites the party to luncheon. Fare 2/—, to be paid on taking ticket. Number limited to 25.

No. 1 CIRCULAR VISIT (Number limited to 50).

10—12 A.M.—VISIT TO MESSRS. BUCKLEY'S WORKS, Greek Street. Manufacturing Clothiers.

THE BURMANTOFTS POTTERY COMPANY'S WORKS, Makers of the "Burmantofts Faience."

MESSRS. LAWSON & CO.'S FOUNDRY. (Refreshments provided.)

No. 2 VISIT (Number unlimited).

11 A.M.—2 P.M.—VISIT TO MESSRS. NICHOL'S TANNERY. (Kirkstall Abbey also can be visited at same time.)

No. 3 CIRCULAR VISIT (Number unlimited).

10 A.M.—2 P.M.—VISIT TO THE MONK BRIDGE IRONWORKS. (Manufacture of Steel, &c.)

MESSRS. NICHOLS & BECKWORTH, The "Joppa" Tannery.

No. 4 CIRCULAR VISIT (Number limited to 20).

10 A.M.—2 P.M.—VISIT TO MESSRS. MANNING & WARDLE'S ENGINE WORKS, Hunslet. Luncheon provided.

MESSRS. KITSON'S AIREDALE FOUNDRY. Locomotive makers.

No. 5 VISIT (Number unlimited).

12 A.M.—2 P.M.—VISIT TO TELEPHONE COMPANY'S SWITCH ROOM, Central Exchange, Park Row. Or on any other day at the same on presentation of member's card.

General and Special Meetings.

1. On TUESDAY EVENING, at 8.30, the President's Address. Coliseum.
2. On WEDNESDAY, at 3 p.m., the Address in Medicine by J. Hughlings Jackson, M.D., L.C.D., F.R.S. Coliseum. Presentation of Stewart Prize to Dr. E. Klein, F.R.S.
3. On THURSDAY, at 3 p.m., the Address in Surgery by T. Pridgin Teale, M.A., F.R.S., F.R.C.S. Coliseum.
4. On FRIDAY, at 3 p.m., the Address in Psychology by Sir James Crichton Browne, M.D., F.R.S. Coliseum.

EXHIBITION OF SURGICAL CASES.

On Wednesday, August 14th, from 4 to 5.30 p.m., in the Central Hall of the Infirmary.

The following Meetings, by permission of the Council, will be held during the Annual Meeting :—

THE MEDICAL SICKNESS, ANNUITY, AND LIFE ASSURANCE SOCIETY.

A Meeting will be held in the Philosophical Hall, on Wednesday, August 14th, at 2 o'clock p.m.

IRISH MEDICAL SCHOOLS' AND GRADUATES' ASSOCIATION.

The Summer Meeting will be held at 4.15 o'clock p.m. on Wednesday, 14th August, in the Philosophical Hall.

ANATOMICAL SOCIETY.

The Summer Meeting will be held in the Theatre of the Medical School, on Thursday, 15th August, at 4.30 p.m.

NEW SYDENHAM SOCIETY.

The Annual Meeting of this Society will be held in the Middle Division Room, Mechanics' Institute, on Friday, August 16th, at 9.30 a.m. (Special Entrance, Vernon Street.)

BATHS.

By the kind permission of the Directors, the Baths of the Oriental Bath Company, in Cookridge Street, will be open to Members during the week of the meeting on presentation of their cards of Membership, at the following reduced rates :—

First-class Turkish Bath	... ..	1s. 6d.
,, Warm Bath ..	... ..	Cs. 6d.
,, Swimming Bath ..	... ..	Os. 6d.

CLUBS OPEN TO MEMBERS OF THE ASSOCIATION.

- THE CONSERVATIVE CLUB, South Parade. On presentation of a card of a Member of the Club to be obtained in the Reception Room.
- THE LIBERAL CLUB, Park Row. On presentation of their Association Ticket.
- THE ROYAL EXCHANGE READING ROOM, Boar Lane, near the Queen's Hotel, is open to Members of the Association during the Meeting

RESTAURANTS.

- POWOLNY'S, Bond Street.
- WOOD'S, Commercial Street.
- THE QUEEN'S, Bishopgate Street.
- THE GRAND, Boar Lane.
- THE CRITERION, New Briggate.

GRAND THEATRE.

During the week, MR. ARTHUR ROBERTS, with his Burlesque Company. Tickets may be obtained at Messrs. Ramsden's, Park Row, and at the Theatre.

ARRANGEMENTS FOR LADIES.

A Ladies' Room and Cloak-room, with attendant, is provided in the Mechanics' Institute (special entrance—Vernon Street). Afternoon Tea will be provided each day in this room for Ladies *and Members* accompanying them from 3.30 to 4.30 p.m. Ladies are invited to attend :—

TUESDAY, 4 P.M.—Service in the Parish Church, Sermon by the Bishop of Ripon.

WEDNESDAY, 4.30 to 6.30 P.M.—Reception at the Yorkshire College by the President, Council and Senate of the College.

4 to 6.30 P.M.—Reception given by Colonel Wilson and the Officers, 3rd Vol. Batt. West Yorkshire Regiment, to Members in the Services at the Carlton Barracks.

8.30 P.M.—Conversazione by the President of the Association and the Local Executive Committee in the Art Gallery and Municipal Buildings.

THURSDAY, 4 to 6.30 P.M.—Garden Party at Gledhow Hall, given by Sir James Kitson, Bart.

9 P.M.—The Speeches after the Annual Dinner in the Town Hall. Light Refreshments and seats on the orchestra will be provided. Tickets for Ladies may be obtained by Members when purchasing their Dinner tickets.

- FRIDAY, 4 to 6.30 P.M.—Garden Party at Roundhay Mount, given by T. R. Jessop, F.R.C.S.Eng.
 4 to 6 P.M.—Garden Party at the West Riding Asylum, Wakefield.
 8 P.M.—Reception and Ball by the Mayor of Leeds, in the Town Hall.
- SATURDAY, Excursions (see page 20).
 4 P.M.—Garden Party, given by the Lord Bishop of Ripon and Mrs. Carpenter, at The Palace, Ripon.
- DAILY.—Short Excursions to places of interest in the neighbourhood, manufactories, etc. (see page 13).
- THE BATHS OF THE ORIENTAL BATH COMPANY are, by kind permission of the Directors, open to Ladies presenting a card to be obtained in the Ladies' Room, at the following reduced rates :—

First-class Turkish Bath, open 10 a.m. to 4 p.m., 1s.
 First-class Swimming Bath, on Thursday, 9.30 a.m. to 3 p.m., 6d.

RAILWAY ARRANGEMENTS.

Members of the Association, on application at the booking office at Leeds, and on production of their cards of Membership, can have issued to them return tickets at single fares, available *from Leeds* to any station within a radius of fifty miles. The same facilities will be afforded to ladies accompanying Members. Periodical tickets (first class) to Harrogate or Ilkley, available for seven days, will be issued to Members of the Association at a charge of 10s., each on production of the voucher above named. These facilities will apply strictly to Leeds, and there will be *no reduction* in the fares charged to the Members of the Association on their journey *to Leeds* for the Meeting.

LATE TRAINS FROM LEEDS.

CENTRAL STATION :—

- G.N. 10-0 P.M. Ardsley, Wakefield, Doncaster, Bawtry, Retford, &c.
 G.N. 10-0 P.M. (Tuesday only.) Ossett, Dewsbury, Batley.
 G.N. 10-5 P.M. Armley, Bramley, Stanningley, Bradford.
 G.N. 10-10 P.M. (Not on Tuesday.) Ardsley, Stanley, Methley, Castleford.
 G.N. 10-35 P.M. Lowmoor and Halifax.
 L. & Y. 10-45 P.M. Lowmoor and Halifax.
 G.N. 10-40 P.M. Armley, Bramley, Stanningley, Bradford.
 G.N. 10-50 P.M. (Tuesday only.) Ardsley, Stanley, Methley, Castleford.
 G.N. 11-20 P.M. Ardsley, Wakefield, Doncaster.

British Medical Association.

FIFTY-SEVENTH ANNUAL MEETING, LEEDS, 1889.

Daily Journal.

No. 4.

Friday Morning, August 16th.

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All communications intended for this Journal should be sent marked Editor "Daily Journal," and must be in the Editor's hands before five o'clock the previous evening.

THE IDEAL FORM OF COD-LIVER OIL.

“Patients unable to tolerate the purest and most carefully prepared Cod-Liver Oil can readily digest and assimilate it when combined with Maltine.”—*British Medical Journal*.

The following points differentiate Maltine with Cod-Liver Oil from all other preparations of oil and malt :—

1. Owing to the discovery of a special process, we are able to combine, in a stable form, a larger quantity of the oil with the malt than is done in any other preparation.

2. At the same time, the presence of the oil is disguised with absolute success. This cannot be predicated of any other product.

3. The combination is far more intimate ; consequently the oil is more digestible.

4. The superiority of Maltine in albuminoids, makes this combination the most flesh-forming preparation of Cod-Liver Oil.

A few words may not be amiss regarding the use which is now generally made of Maltine with Cod-Liver Oil by the Profession.

In phthisis its action is most marked, alleviating the cough, increasing the body-weight, improving the general health of the patient, and retarding the pulmonic disorganisation. It is found most useful in convalescence from acute general disease, in chronic inflammations, and in the sequelæ of acute specific disease. It is very serviceable in scrofula, chronic rheumatism, and chronic skin affections. When the nutritive process begins to flag, as in the case of old people, Maltine with Cod-Liver Oil promotes that function, and generally when the patient is feeble, and presents a condition of depraved nutrition, Maltine with Cod-Liver Oil is prescribed with advantage.

*We shall be pleased to send Specimens free of charge to
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THE MALTINE MANUFACTURING COMPANY, Ltd.,
24 and 25, HART STREET, BLOOMSBURY,
LONDON, W.C.

MIDLAND STATION :—

- 10-0 P.M. Normanton, Sheffield, Chesterfield, Derby, &c.
 10-10 P.M. Bradford (express).
 10-23 P.M. Armley, Kirkstall, Newlay, Calverley, Apperley, Shipley,
 Bradford, Bingley, Keighley.
 10-45 P.M. Shipley, Bradford, Bingley, Keighley, Skipton.
 10-45 P.M. Shipley, Guiseley, Menston, Burley, Ilkley.
 10-50 P.M. Woodlesford, Methley, Normanton.
 11-15 P.M. Bradford (express).
 11-18 P.M. Armley, Kirkstall, Newlay, Calverley, Shipley, Brad-
 ford.
 11-38 P.M. Normanton, Sheffield, Derby.

NEW STATION :—

- L. & N. W. 9-30 P.M. Dewsbury Huddersfield, Madchester.
 N.E. 10-55 P.M. Cross Gates, Garforth, Selby, Hull.
 L. & N. W. 11-0 P.M. Morley, Batley, Dewsbury, Huddersfield.
 N.E. 11-5 P.M. Horsforth, Arthington, Harrogate.
 N.E. 11-10 P.M. York (express).
 N.E. 2-14. A.M. York, Scarbro', Whitby, &c.

CAB FARES.

BY DISTANCE.—For any number of persons not exceeding five, for the first mile, one shilling : for every additional quarter of a mile, threepence.

BY TIME.—For any number of persons not exceeding five, for the first quarter of an hour, one shilling ; for every succeeding quarter of an hour, sixpence.

Disengaged Cabs will stand in Rossington Street, along the south side of the Mechanics' Institute.

TRAM CARS.

The Tramway Terminus is in Boar Lane, at its Junction with Briggate. Cars run as follows :—

CHAPELTOWN.

Leaves (the Queen's Arms) Chapeltown for Briggate at 7.55 a.m., and every 15 minutes till 9.55 p.m. Extra on Saturdays till 10.25 p.m.

Leaves Briggate for Chapeltown (the Queen's Arms) at 8.30 a.m., and every 15 minutes till 10.30 p.m. Extra on Saturdays till 11.0 p.m.

NOTE.—The 10.15 and 10.30 p.m. Cars from Briggate on Weekdays, and the 10.45 and 11.0 p.m. on Saturdays, run to Mexbro' Arms only.

Leaves Reginald Terrace, Chapeltown Road, for Briggate at 8.7½ a.m., and every 7½ minutes till 7.22½ p.m., then every 15 minutes till 10.7½ p.m. Saturdays every 7½ minutes till 10.37½ p.m.

Leaves Briggate for Reginald Terrace (Chapelton Road) at 8.30 a.m., and every $7\frac{1}{2}$ minutes till 7.45 p.m., then every 15 minutes till 10.30 p.m. Saturdays every $7\frac{1}{2}$ minutes till 11.0 p.m.

NOTE.—Extra Cars leave the Chapelton Tram Yard on Weekdays at 7.40, 8.7 $\frac{1}{2}$, 8.22 $\frac{1}{2}$, and 8.37 $\frac{1}{2}$ a.m.

HEADINGLEY.

Leaves Three Horse Shoes, Headingley, at 7.42 $\frac{1}{2}$ a.m., and every 10 minutes till 7.22 $\frac{1}{2}$ p.m., then every 15 minutes till 9.52 $\frac{1}{2}$ p.m. Saturdays every 10 minutes all day till 10.22 $\frac{1}{2}$ p.m.

Leaves Boar Lane for Three Horse Shoes at 8.20 a.m., and every 10 minutes till 8.0 p.m., then every 15 minutes till 10.30 p.m. Saturdays every 10 minutes all day till 11.0 p.m.

KIRKSTALL.

Leaves Boar Lane for Kirkstall at 8.30 a.m., and every 10 minutes until 8.30 p.m., then every 15 minutes until 10.30 p.m. Saturdays every 10 minutes all day until 11.0 p.m.

Leaves Kirkstall for Boar Lane at 8.5 a.m., and every 10 minutes until 7.55 p.m., then every 15 minutes until 9.55 p.m. Saturdays every 10 minutes all day until 10.25 p.m.

Cars run to and from MEANWOOD ROAD, UPPER WORTLEY, and YORK ROAD about every 10 minutes.

OMNIBUSES.

The Omnibus Terminus is in Briggate, between Commercial Street and Boar Lane, from whence 'Busses run at short intervals to all parts of the Borough.

Excursions.

No. 1.

THE SCARBOROUGH EXCURSION,

Saturday, Aug. 17th; Monday, Aug. 19th.

ARRANGED BY THE PROFESSION IN SCARBOROUGH.

Saturday, August 17th.

LEEDS, N.E.R. STATION.

Train (Special)	...	..	...	leave	9.10 a.m.
York ...	...	...	...	arrive	9.50 ,,
York ...	...	...	...	leave	10.2 ,,
Scarbro'	...	...	...	arrive	11.30 ,,

Luncheon (by invitation) given by Members of the Profession of Scarborough and neighbourhood, at the Royal Hotel at 1 p.m.

Carriages will start from Royal Hotel at 3.15 p.m., for excursions to the town and neighbourhood.

Yachts will start from the Pier at 3.30 p.m., for trips to sea.

A Garden-Party at St. Nicholas House, given by Mr. J. W. Woodall, from 3.30—7.0 p.m.

Reception by His Worship the Mayor of Scarborough (Official Chairman of the Company) and the Committee of the Cliff Bridge Company, will be held in the Grand Hall of the Spa at 8.30 p.m.

During the evening the Grounds will be specially illuminated.

Sunday, August 18th.

A Special Service at the Parish Church (St. Mary's). (Preacher: The Ven. Archdeacon Blunt, D.D.), at 10.30 a.m.

A Concert of Sacred Music will be given in the Spa Grounds, from 3.0—4.30 p.m.

Mr. G. Alderson Smith will be "At Home," at Wheateroft Cliff, from 4.0—6.30 p.m.

Monday, August 19th.

A Deep Sea Trawling expedition will probably be arranged.

Through the kindness of Mr. Morgan, members and their wives will be admitted free to the Aquarium on *Saturday, Sunday, and Monday (August 17th, 18th, and 19th)*; also to the Concert of Sacred Music on Sunday evening at 8 p.m.

Dr. Calantarients invites members and their wives to visit his Glaciarium at the Londesborough Rooms.

Arrangements have been made at the Grand and Royal Hotels for the reception of visitors, where meals will be served at the customary Hotel hours.

N.B.—All Excursions and Entertainments, including admittance to the Spa Grounds on *August 17th, 18th, and up to 5 p.m. 19th*, are free to Members and Ladies accompanying them on production of this Ticket.

No. 2.

THE ILKLEY AND BOLTON ABBEY EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN BRADFORD AND ILKLEY.

LEEDS: MIDLAND STATION.

Train.

Leeds	...	...	...	depart	9.35 a.m.
Guisley (to take up members)				arrive	10.12 ,,
Ilkley (to take up members)	...			arrive	10.34 ,,
Bolton Abbey Station	...	..		arrive	10.49 ,,

WAGONETTES.

Bolton Abbey Station	...	...	depart	11.0 a.m.
Bolton Woods and Strid	...		arrive	11.40 ,,
Bolton Woods and Strid	...		depart	12.40 p.m.
Bolton Abbey	...	...	arrive	12.55 ,,
Bolton Abbey	...	...	depart	1.30 ,,
Devonshire Arms Hotel	...		arrive	1.45 ,,

LUNCHEON.

Walk to Bolton Abbey Station			depart	2.47 p.m.
Ilkley	...	...	arrive	3.5 ,,
or Ben Rhydding	...	...	arrive	3.8 ,,

Until 5.30 members can visit any of the Hydropathic Establishments, such as Ilkley Wells House, Ben Rhydding, Craiglands, Troutbeck, &c, or visit the Old White Wells, the Semon Convalescent Home, Panorama Rocks, Cow and Calf, the Ilkley Wells Hospital, the old Parish Church (with the Stone Crosses), or pass over the river towards Middleton Moor, &c.

DINNER.

Dinner will be served in the Winter Garden of Ilkley Wells House, at 5.30 precisely.

After Dinner, ample time will be afforded for a leisurely walk down to the Ilkley Station, from which the train back to Leeds will start at 8.35 p.m.

Leeds	arrive	9.25 p.m.
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Directions for Entertainers from Bradford, Ilkley, &c.:—

Bradford: Midland Station	at	9.48 a.m.
Manningham	...	...	„	9.52 ,,
Shipley	...	...	„	9.58 ,,

Reaching and joining guests at

Guisley	...	...	arrive	10.12 a.m.
Guisley	...	...	depart	10.16 ,,
Burley	...	...	arrive	10.24 ,,
Ilkley	...	...	arrive	10.34 ,,

The Bradford members will leave Ilkley by the same train, 8.35 p.m. which leaves for Leeds, being detached from the Leeds portion at Guiseley.

No. 3.

THE YORK, HELMSLEY, AND RIEVAULX ABBEY
EXCURSION,*Saturday, August 17th.*

LEEDS, N.E.R. STATION.

Leeds (special)	...	...	...	depart 9.10 a.m.
York	...	...	...	arrive 9.50 a.m.

The party will here be met by the Committee of the Medical Profession at York, by whom all arrangements have been made for the convenience of the visitors in York.

10.0 a.m. Received by Canon Raine, who will conduct the party round the Museum and Grounds of the Yorkshire Philosophical Society, St. Mary's Abbey, Roman and other antiquities.

10.45 a.m. Mr. Buckle, Superintendent of the Wilberforce School for the Blind, which occupies the Ancient Royal Palace of the Stuarts, will point out matters of interest in that building.

11.30 a.m. The Minster will be visited, Canon Raine having kindly consented (in the unavoidable absence of the Dean of York) to act as cicerone.

12.30 p.m. The party will proceed to the Mansion House, where they will be received by the Lord Mayor. The ancient plate, &c., will be inspected. The Guildhall will afterwards be visited.

LUNCHEON.

At the North Eastern Railway Station Hotel, by invitation of the Members of the Medical Profession in York, 1.0 p.m.

TRAIN.

York ...	...	...	...	depart 2.25 p.m.
Helmsley Station	...	...	...	arrive 3.30 ,,

CARRIAGES.

“The Black Swan” Hotel, arrive 3.40 p.m.

TEA.

Drive through Duncombe Park to Rievaulx Terrace, overlooking Rievaulx Abbey and village, arrive 4.30 p.m.

Inspect paintings, walk on Terrace and see Rievaulx Abbey (4.30—5.30 p.m.).

Re-enter carriages, 5.30 p.m.

Visit and inspect ruins of Helmsley Castle, built A.D. 1200, 5.50 p.m.

Leave by carriage, 6.10 p.m.

Helmsley, 6.30 p.m.

DINNER

Will be served at “The Black Swan.”

Helmsley Station, ...	...	...	depart 8.15 p.m.
York ...	..	...	arrive 9.15 ,,

TRAINS LEAVE YORK FOR

{ Leeds	...	...	...	depart 9.35 p.m.
{ Midland and L. & N.W.	...	...	..	9.28 ,,
{ G.N.Ry. and King's Cross	..	..	..	9.37 ,,
{ The North	...	...	...	10.26 ,,
{ Scarborough	...	...	...	10.30 ,,

N.B.—Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 4.

THE HARROGATE EXCURSION,

Saturday, August 17th.

ARRANGED BY THE PROFESSION IN HARROGATE.

LEEDS, N.E.R. STATION.

Leeds (Special)	...	...	...	depart	9.0 a.m.
Pannal...	...	...	...	arrive	9.15 ,,

The party will here be met by members of the Profession of Harrogate, who will conduct the excursion.

FOUR-HORSE DRAGS.

Plumpton Rocks	...	...	...	arrive	10.0 a.m.
Plumpton Rocks	...	...	...	depart	10.30 ,,
Knaresboro'	...	...	...	arrive	11.0 ,,

LIGHT REFRESHMENTS.

The party will here visit the Castle, Dropping Well, Robin Hood's and Eugene Aram's Cave.

Knaresboro'	...	...	...	depart	12.30 p.m.
Drive by Scriven and Scotten to					
Ripley Castle	...	...	...	arrive	1.15 ,,
Ripley Castle	...	...	...	depart	1.45 ,,
Harrogate	...	...	...	arrive	

LUNCHEON

Will be served in the New Bath Hospital lately opened by H.R.H. Prince Albert Victor, at 2.30 p.m.

After Lunch the party will be shown the Wells. Drives in the neighbourhood will be organized. Entertainments will be provided, and in the evening the houses of the various Medical men of Harrogate will be thrown open for the reception of visitors.

TRAIN.

Harrogate (Special)	...	...	...	depart	8.50 p.m.
Leeds	...	...	...	arrive	9.30 ,,

N.B. --Excursions and entertainments are free to Members and Ladies on production of this Ticket.

No. 5.

THE PATELEY BRIDGE, BRIMHAM ROCKS, FOUNTAINS ABBEY, STUDLEY ROYAL, AND RIPON EXCURSION,

Saturday, August 17th.

LEEDS : N.E.R. STATION.

Leeds (Special)	depart	9.0 a.m.
Pannal	arrive	9.15 ,,
(The Harrogate party will here leave the train.)		
Pateley Bridge	arrive	10.10 ,,

WAGONETTES.

Walk up Ravens Gill and Guys Cliff.

LUNCHEON

Provided by Mr. George Metcalfe, at Castlestead, 12.0 noon.

WAGONETTES.

Castlestead	depart	12.50 p.m.
Brimham Rocks... ..	arrive	1.35 ,,
Brimham Rocks... ..	depart	2.15 ,,
Fountains Hall	arrive	3.15 ,,
Fountains Abbey and Grounds.		

TEA

Provided in the Abbey Grounds, by the Most Honourable the Marquess of Ripon, K.G., 3.45 p.m.

Walk through the Grounds to meet Wagonettes.

WAGONETTES.

Canal Gates	depart	4.30 p.m.
Ripon	arrive	5.0 ,,

Visit Cathedral.

Lavatory accommodation will be provided at the Unicorn Hotel.

WAGONETTES.

Ripon (Unicorn Hotel)	depart	5.30 p.m.
Palace	arrive	6.0 ,,

The party will be received by the Lord Bishop of Ripon and Mrs. Boyd Carpenter.

REFRESHMENTS.

Palace	depart	7.45 p.m.
Ripon Station	depart	8.25 ,,
Harrogate	depart	8.50 ,,
(The Harrogate party will rejoin train.)		
Leeds	arrive	9.30 ,,

No. 6.

THE WASHBURN VALLEY AND FARNLEY
EXCURSION,*Saturday, August 17th.*

The whole of the Excursion will be by carriage.

Mechanics' Institute...	...	...	depart 9.0 a.m
Adel Church ...	...	...	arrive 9.40 ,,

The party will be received by the Rector, who will kindly show the principal features of this almost unique specimen of Norman Architecture.

Adel Church	depart 10.0 a.m.
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Drive to Pool Bridge and Leathley Village to Lindley Wood Reservoir.
arrive 11.30 a.m.

Torpedo experiments will be shown by Messrs. Greenwood and Batley.

Lindley Wood Reservoir ...	...	...	depart 12.30 p.m.
Swinsty Reservoir	...	...	arrive 1.15 ,,

LUNCHEON.

Provided by Mr. Alderman Woodhouse, Chairman of the Leeds Water-works Committee.

Swinsty Reservoir ...	...	...	depart 2.15 p.m.
Fewston	...	..	arrive 3.0 ,,

Inspect sinking Village Reservoir, &c.

Drive over Snowdon Moors by Asquith and Weston.

Farnley Hall	arrive 4.0 p.m.
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The seat of Ayscough Fawkes, Esq. The well known collection of J. M. W. Turner's Pictures will be inspected,

TEA.

Farnley Hall ...	...	...	depart 6.0 p.m.
"White Horse," Otley	...	...	arrive 6.30 ,,

DINNER.

"White Horse," Otley	...	...	depart 8.0 p.m.
Leeds ...	...	...	arrive 9.30 ,,

No. 7.

THE MALHAM COVE, GORDALE SCAR, AND SETTLE
EXCURSION,*Saturday, August 17th.*

LEEDS, MIDLAND STATION.

Leeds... .. depart 8.0 a.m.

Bell Busk arrive 9.40 ,,

To be met by carriages.

Kirkby Malham arrive 10.30 ,,

Visit old Church, inspect old Registers with Oliver Cromwell's signatures,
and other matters of interest.

Kirkby Malham depart 10.45 a.m.

Gordale Scar... .. arrive 11.5 ,,

LIGHT REFRESHMENTS.

Party will visit Janet's Force.

Gordale Scar depart 12.0 noon.

Walk to Malham Cove (1 mile).

Malham Cove arrive 12.30 p.m.

Malham Cove depart 12.50 ,,

Carriages will here meet the party.

Kirkby Malham arrive 1.0 ,,

The party will here divide into two sections.

(1). Pedestrians (1 mile—700 feet ascent) with the lighter carriages to
visit Scaleber Force and down to Settle. Magnificent views crossing
the Moors.

(2). Heavier carriages drive by Otterburn and Hellifield to Settle.

The two parties will meet at the Ashfield Hotel, Settle, at 2.45 p.m.

DINNER.

After dinner two parties will be formed.

(1). Carriages for Stainforth depart 4.15 p.m.

(3 miles)

Visit Stainforth Force ; pedestrians can climb to Catterick Force
($\frac{3}{4}$ mile).

Stainforth depart 5.40 p.m.

(2). Walking party—Those who prefer walking may visit Giggleswick
School ($\frac{1}{2}$ mile), see Celtic and Roman Remains from Victoria Cave—
Walk to Ebbing and Flowing Well ($\frac{1}{2}$ mile),—back to Settle and
ascend Castleberg Rock.

Settle Station depart 7.23 p.m.

Leeds... .. arrive 8.52 ,,

N.B.—The Tickets for the above must be preserved, as they will be
required for presentation during the Excursion.

1. *The Scarborough Excursion.*—Trains will leave the North Eastern Railway Station (New) at 9.10 a.m. on Saturday morning, August 17th, arriving at Scarborough at 11.30. At 1 p.m. a luncheon will be given by the Profession of Scarborough to 100 members of the Association (by invitation). In the afternoon excursions by sea and land will be arranged, steam yachts will be placed at the disposal of the visitors, and short excursions will be organised by carriage. A Garden Party will be given by Mr. J. W. Woodall, in honour of the visit of the Association, at St. Nicholas Cliff. In the evening the grounds of the Cliff Bridge Company will be thrown open to the members, and especially illuminated; here a reception will be held in the Grand Hall by his worship the Mayor, official chairman of the Company, and the Committee. On Sunday a special service will be held in the Parish Church (St. Mary's), preacher, the Venerable Archdeacon Blunt, D.D., Chaplain to the Queen. In the afternoon a concert of sacred music will be given in the Spa Grounds (3 to 4.30), and, later, Mr. Alderson Smith will be "at home" at Wheateroft Cliff, to receive members of the Association and their wives; by his kindness, also, it is hoped that a deep sea trawling expedition will be arranged for Monday morning. A fee of one guinea will be charged, which will include all the expenses of the excursion. Gentlemen may be accompanied by ladies on the same terms, namely: Saloon fare from Leeds to Scarborough, hotel accommodation at two of the best hotels from mid-day on Saturday, August 17th, till mid-day on Monday, August 19th (with the exception of wine). The Cliff Bridge Company will admit members free to their Grounds on the three days, August 17th, 18th, and 19th, after 5 p.m. All excursions and other entertainments are open to all members and ladies accompanying them on production of their tickets. The luncheon to be given on Saturday will be by invitation only, as it is not possible to secure a room for an unlimited number. Any further particulars with regard to the Scarborough Excursion can be obtained on application to Charles F. Hutchinson, M.D., Honorary Secretary, May Lodge, Scarborough.

2.—*The Ilkley and Bolton Abbey Excursion.*—The route of this excursion runs from Leeds in a north-westerly direction, leaving the Midland station at 9.35 a.m.; it passes by way of Armley, Kirkstall (with a view of the old abbey of that name), and continues along the Airedale Valley to Apperley Bridge.

After passing Kirkstall Forge, the vale opens out, showing Calverley to the south and on the north, giving a fine view of the slope of the hill from Rawdon, on which, as prominent objects, stands the Rawdon Convalescent Home (founded, for poor patients, by the late Sir H. W. Ripley, Bart.)

and the Rawdon Baptist College. These and the numerous villa residences of Leeds and Bradford merchants, embowered in trees, form a pleasant and striking landscape. Passing Apperley Bridge, the line curves temporarily towards the north, up a steep incline, affording a glimpse of the upper portion of the Airedale Valley, with Shipley and Bradford in the distance; it then enters a wooded and tunnelled portion, curving back to the west and reaching Guiseley; here, and at Ilkley, the members of the excursion will be joined by their entertainers, and the train will proceed along the south side of the Wharfedale Valley, towards Ilkley.

Just before the valley opens there lies, on the south side of the line, the New Menston Lunatic Asylum, to which the Psychological Section intends to pay a visit. Beyond this the line divides, one branch turning to the east to Otley, the other pursuing its course to Ilkley and Bolton. In the angle made by this division lies the burial place of the late Right Hon. W. E. Forster. The spot affords a view of the extent of Wharfedale, which, following the course of the river Wharfe from Bolton on the west, runs to where the North Eastern line, on its way to Harrogate, crosses the valley at Arthington, on the east. The dale is one of the most beautiful in Yorkshire, offering at certain points almost unique views, as that at Otley Chevin, Brimham Rocks, and the Cow and Calf. The town of Otley lies at the east end, on the north side of the valley, opposite the Chevin; the village of Burley lies embedded in foliage in the middle of the dale, while Ben Rhydding and Ilkley lie on the cliff or south side of the dale, at the edge of Rumbold's Moor.

The train, proceeding, passes the Burley Station, and at this point on the rising ground of the north of the dale may be seen Denton Hall and Park, formerly the residence of the famous Fairfax, now the seat of Mr. Wyville, J.P.; and, further west, Myddelton Lodge, the home of the Middeltons, one of the oldest Yorkshire county families. The ground now rises precipitously to the south, and the first object which strikes the eye is the splendidly situated hydropathic establishment of Ben Rhydding. Further to the west of it are seen the massive rocks called the Cow and Calf, and the Ilkley district opens out, extending almost from the edge of the moor for a mile or more down a gentle slope to the river Wharfe. As the train moves past Ilkley, a good general view will be obtained of its spa establishments and villa residences. The train goes on past the village of Addingham (with Beamsley Beacon behind) till it reaches Bolton Bridge at 10.49; at this station wagonettes will be in readiness to take the party to the Priory and Bolton Woods. Most people have seen the beautiful print of "Bolton Abbey in the Olden Time." The remains of the Priory are charmingly situated, and form a grand adjunct to the restored church. To strangers the history of the structure will be freely afforded by some of the gentlemen accompanying the party. From the Priory the party will be conveyed to Bolton Woods and the Strid in wagonettes.

The woods and stream will afford their own beautiful commentary ; and the romantic story of the "boy of Egremont" checked in his spring across the "Strid" by the leashed hound, and drowned in the torrent ; the despair of the mother, "Alice de Romille," and her subsequent founding of the Priory, can all be told on the spot. Time will not afford more than a distant view of "Barden Tower," the home of the Cliffords, and walk through the woods, nor can a visit to the Valley of Desolation, with its waterfall, be risked ; but these will scarcely be missed amid the surrounding beauties. The wagonettes will return from the Strid about 12.40 to the Devonshire Hotel, where, if the day be propitious, lunch will be served on the lawn at 1.45 p.m.

The train will leave Bolton Abbey Station at 2.47 p.m. on its return to Ilkley ; and here the rest of the day, till dinner-time, will be spent visiting the points of interest in its immediate precincts. Ilkley and its neighbouring "Rombald's Moor" have their aboriginal and Roman history, with their "Cairns," "Barrows," Roman stations and roads. Monumental relics have been found abundantly, and one is to be seen at the back of the Rose and Crown Inn, and three ancient crosses in Ilkley Churchyard. The old Parish Church will repay a visit. All that the antiquarian will require to indicate the ancient history of Ilkley may be obtained from "Lund's 6d. Guide." Modern Ilkley, as a spa and health resort, as well as Ben Rhydding (which was the first of the large hydropathic establishments in the neighbourhood), owes its celebrity, not to any medicinal virtue in its water, but to the wonderful purity and abundant supply of that water, and to the charming situation of the place. There is a valuable chalybeate spring at the side of the Moor at Heber's Gill, past the Semon Convalescent Home, but this is quite apart from the main "Ilkley water." This Ilkley water seems specially adapted for drinking, and for all such purposes as are comprised under the head of "Hydrotherapy ;" hence the abundance of these establishments. All, or a choice number, of these may be visited ; from the original "Old White Wells," which everyone will observe high up on the hill side, through the grand structure of Ben Rhydding (Medical Officer, Dr. Johnstone) ; the palatial Ilkley Wells (Medical Officer, Dr. Scott) ; the well-known "Craiglands" (Medical Officer, Dr. H. Dobson) ; the Elizabethan structure, "Troutbeck ;" the "Spa" establishment in the Grove, to Rockwood House, Marlborough House, and Stony Lea. Besides these there is above the Grove, on the slope of the hill, the Ilkley Hospital (Medical Officer, Dr. Johnstone), established in 1829 as the Ilkley Bath Charitable Institution. This institution has from 700 to 800 patients passing through it in a year ; these are recommended by subscribers ; and it can be said with truth that the simple treatment and capital Ilkley air materially reinvigorates many of them. Another admirable institution, founded by the late Mr. Charles Semon, of Bradford and bequeathed by him to the town of Bradford, is the Semon Convalescent Home, situated

quite on the edge of the moor, south-west above Ilkley, and intended for the convalescent and weakly of the working class, clerks, and warehousemen ; the whole charge for board and lodging is 12s. 6d. a week, the extra cost being furnished by the fund left by Mr. C. Semon. The people can wander on the moor at will, and convalescents are carried up from the railway by omnibus. The home is open to others beside the inhabitants of Bradford. There are a number of hotels at Ilkley, the principal of which are the Middleton, the Crescent, etc. ; but the hydropathic establishments also accommodate visitors even for a few days. Between the return arrival of the train at Ilkley and the hour at which the party will dine (5.30 p.m.), beside the places enumerated and the general exploration of Ilkley, if the day is fine, a walk to the "Cow and Calf" (on the way to Ben Rhydding) will yield a magnificent view from those rocks. Also $1\frac{1}{2}$ mile from the station south-south-west, another splendid view is obtained from the "Panorama rocks." Again, the walk to Myddelton Moor, $1\frac{1}{2}$ mile north over the Ilkley bridge, will afford many interesting views. To any of the party who may prolong their stay over the excursion, the points of interest in the locality are many and varied, as Skipton town and castle, Keighley and Howarth (home of Charlotte Brontë, 14 miles), Denton Park, Otley and the Chevin, Farnley Hall ($2\frac{1}{2}$ miles from Otley, full of interesting historical records), Burley, Harewood House, Harrogate, Ripon, and Fountains Abbey, etc. After dinner, time sufficient will be afforded for a leisurely stroll to the Ilkley station, from which the train will start on its return journey promptly at 8.35 p.m. for Leeds and Bradford.

3. *York, Helmsley, Rievaulx Abbey.*—The party will leave the North Eastern Railway Station (New) at 9.10 a.m., reaching York at 9.50, where they will be met by the representatives of the profession of York, who have hospitably undertaken to entertain the party, and to shew them the various objects of interest. The party will first visit the gardens of the Yorkshire Philosophical Society, kindly thrown open to them by the courtesy of the Honorary Secretary, Mr. Noble, and the Council of the Society. The visit will be supervised by Canon Raine. Amongst the objects of interest are the ruins of St. Mary's Abbey, a portion of the old Roman walls and a large collection of Roman and other antiquities in the museum and hospitium of the Abbey. Afterwards the party will proceed to the Palace of the Stuart Kings, in which is located the Wilberforce School for the Blind. Mr. Buckle, the superintendent of the school, has courteously undertaken to point out the features of interest connected with this historical building. Leaving the Stuart Palace, our visitors will proceed, by way of Bootham Bar, to the Minster, where Canon Raine, in the unavoidable and regretted absence of the Dean of York, will again kindly undertake the duties of cicerone. After viewing the Minster, it is proposed to pay a visit to the Mansion House and Guildhall, where the members and

their friends will be received by the Lord Mayor. The ancient plate preserved in the Mansion House and Guildhall, which is one of the finest Gothic halls in existence, will, it is believed, be inspected with much interest. Luncheon, by invitation of the profession in York, will be served at the Station Hotel at 1 o'clock, after which the party will be conveyed by special train to Helmsley. Here carriages will convey them to Rievaulx Terrace, whence, having seen the beautiful view, they will proceed to the Abbey, driving through Duncombe Park to the Home Terrace, and thence by the ruins of Helmsley Castle to the Black Swan for dinner. The train will leave Helmsley for York in time to catch the night mail from York, and the 9.35 for Leeds.

4. *The Harrogate Excursion.*—The party will proceed by special train from the North Eastern Railway Station (New) about 9 A.M. to Pannal, where they will be met by carriages. The beautiful grounds and rocks of Plumpton will then be visited, where light refreshment will be provided; afterwards the party will drive to Knaresborough Castle, the Dripping Well, and the caves memorable as connected with Eugene Aram. Thence by Scriven and Ripley Castle to Harrogate. Here the members of the profession in Harrogate will entertain the party at lunch in the New Bath Hospital about 2.30 P.M., afterwards carriages will be provided, so that places of interest may be visited. Various other entertainments will be organised, and in the evening the houses of the various medical men will be thrown open to visitors, and members can return to Leeds either by the special train, or by one of the numerous trains leaving Harrogate for Leeds in time to catch the night mails. It is expected that many will arrange to stay in Harrogate over the Sunday.

5. *The Brimham Rocks, Fountains Abbey, Studley Royal, and Ripon Excursion.*—Special train will leave the North Eastern Station (New) at 9 A.M. for Nidd Bridge, where carriages will meet the party to convey it by Ripley Castle up the north side of Nidderdale to the fantastic rocks at Brimham; thence to Castlestead, where the party will be entertained at luncheon by Mr. George Metcalfe. After luncheon the party will proceed over the moors to Fountains Abbey and Studley Royal, the grounds being specially laid open. Here tea, with light refreshments, will be provided by the Most Hon. the Marquis of Ripon. Having viewed this, the finest of the Cistercian abbeys, the party will proceed to Ripon, where, having seen the cathedral, they will be received and entertained at the Palace by the Bishop of Ripon and Mrs. Boyd-Carpenter. The train will leave Ripon for Leeds at 8.25 P.M., reaching Leeds about 9.30 o'clock.

6. *The Washburn Valley and Farnley Excursion.*—The object of this excursion is to show the waterworks in connection with Leeds, the beauti-

ful scenery of the Mid-Wharfe and Washburn Valleys, and the unique collection of Turner paintings at Farnley Hall. The whole journey will be by carriage. The party will first be conducted to Adel Church, when the Rector will show this most perfect specimen of Norman architecture; thence past Creskeld by Arthington and Port Bridge, through the picturesque village of Leathley, with its old church and village stocks, through Lindley Wood to the Reservoir, where Messrs. Greenwood and Batley will show some interesting torpedo experiments. The party will then proceed over Norwood Edge, whence a splendid view of the whole valley can be obtained by Swinsty Reservoir to Fewston (the Sinking Village). Here lunch will be provided by the Chairman of the Leeds Waterworks Committee, Mr. Alderman Woodhouse. The party will then drive by Snowdon Moors to Farnley Hall, the seat of Mr. Ayscough Fawkes, who has kindly consented to exhibit his unrivalled collection of paintings by J. M. W. Turner, as well as his Cromwellian relics. Thence to Otley, where dinner will be served at the White Horse Hotel, the party reaching Leeds in time for the night mails.

7. *Malham Cove, Gordale Scar, and Settle.*—The object of this excursion is to show the remarkable scenery produced by the Great Craven Fault in the Mountain Limestone, one of the grandest examples in England. A special train will leave the Midland station at 8 A.M., reaching Bell Busk about 9.40 A.M. Here carriages will be waiting to convey the party by Calton Hall, the birthplace of General Lambert, and Kirkby Malham, with its interesting church and registers, to Gordale Scar, described by Wordsworth as “one of the grandest objects in Nature.” The party, having been refreshed at a farmhouse, will divide into two, the more adventurous going over the cliffs to Malham Cove, where they will meet the party who have driven round. Having viewed this magnificent amphitheatre of rocks, the party will return to Kirkby Malham, and will here again divide. The lighter carriages, with those who prefer a walk with an ascent of 700 feet, will go over Highside, where a magnificent view of both Airedale and Ribblesdale can be obtained; thence by Scaleber Force to the Ashfield Hotel at Settle, where, being joined by the other party, who have driven round by Otterburn and Long Preston, dinner will be served. After dinner they will drive up Ribblesdale to great Stainforth Force, returning by Giggleswick, where may be seen the ebbing and flowing well, and the Royal Victoria Cave Remains in the museum at the school. They will then return by Settle to Leeds, which will be reached about 9 P.M.

8. *The Hull Excursion*, most generously offered by the members of the East York and North Lincoln Branch, has had most regretfully to be abandoned.

The fee for each of the above excursions will be 10s. 6d., except in the case of the Scarborough excursion, for which one guinea will be charged. All applications for tickets, with remittance, to be made to me. Tickets will be sent August 1st.

CHARLES M. CHADWICK, Honorary Secretary,
Excursions Sub-committee.

Notice of Motion by Dr. RENTCUL, Mr. ERNEST HART, Dr. ROBERT BARNES and Dr. LITTLEJOHN.

“THAT this General Meeting of the British Medical Association views with great pleasure the action of the Charity Organization Society of London, in presenting a petition to the House of Lords praying for an enquiry into the management of the Metropolitan Medical Charities, and earnestly hopes that the scope of the enquiry will be extended so as to include the provincial hospitals and dispensaries, and thereby obtain as complete information as is possible upon this important subject.

“THAT a copy of this resolution be forwarded to the Lord President of the Privy Council, and that he be requested to appoint a special Committee to deal with this question, and to request the Charity Organization Society of England to form a similar Committee to act in conjunction with it.

Report the following Resolution passed by the Public Health Section.

Resolved—“That this Meeting of the Public Health Section of the British Medical Association recommends that all keepers of hotels hydropathic establishments, and boarding houses, in a town (or other convenient district), should form themselves into an association for the mutual sanitary protection of themselves and visitors.

That this Association should have for its principal objects—

(1) An agreement that insists upon the removal (as soon as practicable and when consistent with safety) of *all* members of an infected family.

(2) An agreement to require the signature of every visitor, a declaration that none of his or her party has recently been suffering from any infectious disease, or to his or her knowledge exposed to infection.

(3) The establishment of a Register of Hotels certified to be in a perfect sanitary condition.

The Section recommends that such certificates, which must be approved by the local Sanitary Authority, should be renewed annually, after inspection, and that they should be exposed in a prominent position in every Hotel, Hydro., &c.

The Section also recommends such a combination of hotel keepers, &c., that in towns where no sufficient provision for such purposes exists, they should themselves provide, either jointly or separately, a detached building for the isolation of infectious or doubtful cases.

Sub-Committee—

Dr. Littlejohn, Med. Off. of Health, Edinburgh, Exam. Public Health, in the chair; Dr. Cameron, Huddersfield, Med. Off. of Health, B.Sc.; Dr. Hutchinson, Scarborough and Monte Carlo; Mr. J. S. Loe, Leeds, late V.C., Sanitary Committee; Mr. Hick, Med. Dept., Leeds Fever Hospital; Mr. Ashton, Bradford, late Med. Off. West of England Hydro.; Dr. Allfrey, Ph.D., Camb., St. Mary Cray.

Various motions.

Any other business.

Sectional Arrangements.

The following Discussions and Papers are promised up to the present time.
Members are requested to attend to the regulations for Papers and Speeches during the meeting. (See page 36 .)

SECTION A.—MEDICINE.

(HEAD MISTRESS'S ROOM, MECHANICS' INSTITUTE.)

A. MEDICINE.—*President*, John Edwin Eddison, M.D. *Vice-Presidents* Charles Parsons, M.D.; Robert Saundby, M.D. *Honorary Secretaries*, Alfred George Barrs, M.D., 22, Park Place, Leeds; Theodore Dyke Acland, M.D., 7, Brook Street, Grosvenor Square, W.

The following papers are promised :

- RUFFER, Dr. (Paris). On Pasteur's Method in Hydrophobia.
BATEMAN, F., M.D. (Norwich). On the Jurisprudence of Aphasia.
CHURTON, T., M.D. On a recent Epidemic of Acute Pneumonia in Leeds.
LITTLE, T. FLETCHER, M.B. The Modern Treatment of Palsies.
ECCLES, A. SYMONS, M.B. The influence of Massage on the Rate of Absorption from the Intestines.
JOHNSTONE, T., M.D. 1. Case of Massage. 2. Ilkley as a Resort for the Asthmatic.
MCNAUGHT, Dr. A case of Dilatation of the Stomach accompanied by Eructations of Inflammable Gas.
FLOOD, A. W. On Ringworm and its Treatment.
FINUCANE, T. D., M.D. (Blackrock). On Asiatic Cholera.
GREENE, G. E. J. (Ferns, co. Wexford). Notes on Rötheln.
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SECTION B.—SURGERY.

(LECTURE THEATRE, No. 13, SCHOOL OF SCIENCE.)

B. SURGERY.—*President*, Thomas Richard Jessop, F.R.C.S. *Vice-Presidents*, Edward Atkinson, M.R.C.S.; Arthur F. McGill, F.R.C.S.; Henry Morris, F.R.C.S. *Honorary Secretaries*, Arthur W. Mayo Robson, F.R.C.S., Hillary Place, Woodhouse Lane, Leeds; Edward Ward, M.B., 22, Park Place, Leeds.

Mr. A. F. MCGILL will open a discussion on the Treatment of Retention of Urine from Prostatic Enlargement. Mr. Edward Atkinson (Leeds), Mr. A. E. Durham (London), Mr. Reginald Harrison (Liverpool), Mr. Berkeley Hill (London), Mr. Bruce Clarke (London), Dr. Ward Cousins (Southsea), Mr. Vincent Jackson (Wolverhampton), Mr. Jordan Lloyd (Birmingham), Mr. Bennett May (Birmingham), and Mr. W. Whitehead (Manchester) will take part in the discussion.

The following further papers are announced :

- FRASER, Professor A. (Dublin). A Method by which the Human Body with all its details of structure has been made practically transparent for Operative Surgical Purposes.
- ALLINGHAM, H. W., F.R.C.S. The Ligamenta Alaria as a Cause of Internal Derangements of the Knee-Joint.
- KEETLEY, C. B., Esq. (London). Compression of the Abdominal Aorta by an Instrument passed through a Small Opening in the Anterior Wall of the Abdomen.
- KELLER, Otto E., M.D. (London). Trephining in a Case of Actinomycosis of Brain.
- ADAMS, W., Esq. (London). On the Successful treatment of Cases of Congenital Displacement of the Hip-joint by Complete Recumbency with Extension for two years.
- PARSONS, J. INGLIS, M.D. (London). On the Arrest of Growth in Cancer, by a Powerful Interrupted Voltaic Current.
- BISHOP, E. Stanmore (Manchester). Some Points in the Technique of Morton's Operation for Spina Bifida.
- SPICER, Scanes, M.D. Note on a Case of Progressive Induration of Cervical Glands Simulating Malignant Disease, but readily yielding to the Treatment of Chronic Post-Nasal Catarrh.
- HERN, John, M.D. (Darlington). The Advisability of Aspiration of the Protruded Gut in Recently Strangulated Hernia, and Notes of Cases.
- HUME, G. H., M.D. (Newcastle). On combined External and Internal Urethrotomy in the Treatment of certain cases of Stricture.
- JONES, Robert, Esq. (Liverpool). 1. The Treatment of Joint Disease by Prolonged Fixation. 2. The Treatment of Certain Cases of Perirectal Abscess by Partial Removal of the Sacrum.
- LLOYD, Jordan, Esq. (Birmingham). Abdominal Section for Acute Intestinal Obstruction.
- OTIS, F. N., M.D. (New York). A *Resumé* of the Experience of Seventeen Years in the Operation of Dilating Urethrotomy.
- PEARSE, T. Frederick, Esq. (London). The Treatment of Empyema.
- COUSINS, Ward, M.D. will exhibit a new Surgical Saw.
- BAMPTON, A. H., M.D. Notes on a Case of Lodgment of False Teeth and Dental Plate in the Stomach.
- PEARSE, T. Fredk., F.R.C.S. (London). The Treatment of Empyema.

SECTION C.—OBSTETRIC MEDICINE AND GYNÆCOLOGY.

(ENGINEERING CLASS ROOM, MECHANICS' INSTITUTE.)

C. OBSTETRIC MEDICINE AND GYNÆCOLOGY.—*President*, Charles J. Cullingworth, M.D. *Vice-Presidents*, James Braithwaite, M.D. ; J. W. Byers, M.D. *Honorary Secretaries*, F. Hall, M.D., St. Mark's House, Leeds ; Peter Horrocks, M.D., 9, St. Thomas's Street, S.E.

The following papers will be read, in the order given, on Friday, August 16th :—

- PLAYFAIR, W. S., M.D. An estimate of the value of Electricity in Gynæcology.
- TAIT, LAWSON, Esq. Statistics and results of the treatment of Uterine Myoma by removal of the Uterine appendages.
- CUTTER, Ephraim, M.D. (New York). Eighteen years' work in the United States in the treatment of Uterine Fibroids by Galvanism, with demonstration of methods of operating, and some statistics of treatment of Uterine Fibroids by Food, for the same length of time.
- BEIL, R., M.D. On the relation of Endometritis to Ovarian Disease, and will also show some Instruments.
- SINCLAIR, W. J., M.D. (Manchester). Oöphorectomy in the treatment of certain Neuroses, with cases.
- DUKE, Alexander, F.K.Q.C.P., I. 1. Additional Traction in Forceps Cases as an Alternative to Craniotomy. 2. New Plan of Plugging the Cervix Uteri in Metrorrhagia.

SECTION D.—PUBLIC MEDICINE.

(PHILOSOPHICAL HALL.)

D. PUBLIC MEDICINE.—*President*, Edward Ballard, M.D., F.R.C.P., F.R.S. *Vice-Presidents*, George Goldie, L.R.C.P., Edin. ; Benjamin A. Whitelegge, M.D. *Honorary Secretaries*, George Eastes, M.B., F.R.C.S., 35, Gloucester Place, Hyde Park, W. ; Arthur Stopford Underhill, M.D., D.P.H., Great Bridge, Tipton, Staffs.

The following special subjects will be considered in this Section to-day, Friday, August 16th.

1, Diseases and Injuries caused by Special Occupations: with reference to their Prevention. Dr. T. Churton (Leeds), Dr. J. T. Arlidge, Dr. G. E. J. Greene (Ferns), and others will take part in the discussion.

2. Contamination of Drinking-water by Lead: its Causes and Prevention Dr. Sinclair White (Sheffield) will read a paper on this subject. Dr. John Brown (Bacup), and Dr. T. Churton (Leeds) will take part in this discussion.

The following paper is announced :

ARLIDGE, J. T., M.D. (Newcastle-under-Lyme). On Diseases in Some Occupations Produced by Noxious or Poisonous Dusts.

SECTION E.—PSYCHOLOGY.

(CLASS ROOM 3, SCHOOL OF SCIENCE.)

E. PSYCHOLOGY.—*President*, D. Hack Tuke, F.R.C.P., LL.D. *Vice-Presidents*, W. Bevan Lewis, L.R.C.P. ; Ringrose Atkins, M.D. *Honorary Secretaries*, John Greig McDowall, M.D., Menston Asylum, near Leeds ; Robert Percy Smith, M.D., Bethlem Royal Hospital, S.E.

The following papers are promised :

BEEVOR, Dr. C. On Sections of the Brain of the Marmozet stained by Weigert's and Pal's methods.

Dr. F. WARNER, as Secretary of the Committee (appointed at the Glasgow meeting in 1888), will read their report, and introduce a discussion on the Draft Report of the Committee appointed to conduct an Investigation as to the Average Development and Condition of Brain Function among the Children in Primary Schools. Drs. Fletcher Beach, Savage, Ireland, Henry Ashby, and Shuttleworth will join in the discussion on Dr. Warner's report.

WARNER, F., M.D. On the Study of Conditions of Development and Brain Power in Children.

SHUTTLEWORTH, G. E., M.D. (1) A Contribution to the Etiology of Idiocy. (2) Remarks on a Series of Idiot Brains.

BEACH, Fletcher, M.B. Some further facts respecting the Causation of Idiocy and Imbecility.

SECTION F.—PATHOLOGY AND PHYSIOLOGY.

(PHYSICS LECTURE ROOM, No. 11, SCHOOL OF SCIENCE.)

F. PATHOLOGY AND PHYSIOLOGY.—*President*, Joseph Coats, M.D. *Vice-Presidents*, Thomas Churton, M.D. ; De Burgh Birch, M.D. *Honorary Secretaries*, Ernest Henry Jacob, M.D., 12, Park Street, Leeds ; T. Wardrop Griffith, M.D., 23, Park Square, Leeds.

A discussion on **Histology of Bright's Disease** will be opened by Dr. CROOKER.

The following further papers are announced :

DRUMMOND, Dr. Pathology of Acute Lead Poisoning.

WOODHEAD, Dr. SIMS. Ulceration of Vermiform Appendix leading to Suppurative Peritonitis.

BIRCH, Dr. DE BURGH. On the nature of some Prevorm Phosphenes.

SINCLAIR, Mr. A. W. The occurrence of *Distoma Crassum* in the Human Subject.

The Pathological Museum will be held in the Chemical Laboratory of the Leeds School of Science (Mechanics' Institute).

SECTION G.—OPHTHALMOLOGY.

(CLASS ROOM 5, SCHOOL OF SCIENCE.)

G. OPHTHALMOLOGY.—*President*, George Anderson Critchett, F.R.C.S. Edin. *Vice-Presidents*, John Albert Nunneley, M.B. ; George A. Berry, M.B. *Honorary Secretaries*, Gustavus Hartridge, F.R.C.S., 65, Green Street, Grosvenor Square, W. ; R. N. Hartley, M.B., 29, Blenheim Terrace, Leeds.

The following further papers are announced :

CANT, W. J., M.R.C.S. A Case of Paralysis of the Right External Rectus Muscle after Injury to the Left Temple (*contre coup* ?).

CROSS, F. Richardson, M.R.C.S. Muscular Advancement.

FORD, Vernon, M.R.C.S. The Value of Peritomy in Ulcers of the Cornea, etc.

GROSSMAN, K. I. Blenorrhœa Neonatorum.

HARTRIDGE, G., F.R.C.S., Case of Pulsating Exophthalmos cured spontaneously by suppuration of Contents of Orbit.

HEWETSON, H. B., M.R.C.S. Series of cases of Interstitial Keratitis treated by Syndectomy.

JOHNSON, G. L., F.R.C.S. Observations on the Therapeutical Action of the Violet and Ultra-violet Rays of Light on Vision.

MONEY, Angel, M.D. Sudden Transient Ocular Phenomena in Children.

THOMPSON, J. T., M.B. (1) A Note on a case of Superficial Keratitis induced by Aniline Violet. (2) Necrosis of Cornea from Contact with Crude Creasote.

SECTION H.—DISEASES OF CHILDREN.

(CLASS ROOM 1, SCHOOL OF SCIENCE.)

H. DISEASES OF CHILDREN.—*President*, Thomas Scattergood, M.R.C.S. *Vice-Presidents*, Richard Favell, M.R.C.S. ; A. H. Carter, M.D. *Honorary Secretaries*, Walter Henry Brown, F.R.C.S.I., 19, Queen Street, Leeds ; Angel Money, M.D., F.R.C.P., 24, Harley Street, Cavendish Square, W.

A discussion on the following subject will take place: The paralyse of the first two years of life. What is the relative frequency of paralysis from brain, cord, and nerve disease? What is the nature of the changes in the centres and nerves? This will probably be opened by the Honorary Medical Secretary. Papers will be read on the various forms of infantile paralysis: spastic paraplegia, congenital chorea, infantile palsy, and diphtheritic paralysis.

Surgical Portion.—Subject for discussion: The Surgical Treatment of the Various Congenital Malformations. Mr. Walsham and Mr. Morgan will take part in the discussion.

The following further papers are announced:

- BALLANTYNE, J. W., M.B., F.R.C.S.Ed. Sclerema and Edema of New-born Infants.
 CHURCHILL, F., M.D. Hare-lip Operations.
 CHURTON, T., M.D., Meningitis following slight Injuries to the Head.
 MORGAN, J. H., F.R.C.S. Congenital Malformations.
 WARNER, F., M.D. The Frequency of Coincidental Defects in Development as seen in Children.

SECTION I.—LARYNGOLOGY.

(CLASS ROOM 2, SCHOOL OF SCIENCE.)

I. LARYNGOLOGY.—*President*, Henry T. Butlin, F.R.C.S. *Vice-Presidents*, Francis de Havilland Hall, M.D.; Richard A. Hayes, M.D. *Honorary Secretaries*, Greville Macdonald, M.D., 47, Queen Anne Street, Cavendish Square, W.; Barclay J. Baron, M.D., 16, Whiteladies Road, Bristol.

The following further papers are announced:

- STOKES, Sir Wm. On Thyrotomy for the removal of Laryngeal Cancer.
 MACDONALD, Greville, M.D. Empyema of the Maxillary Sinus, with an analysis of fifteen cases.
 MACKENZIE, G. Hunter, M.D. Cases of Infraglottic Laryngeal Disease; (1) a Web removed by Laryngotomy; (2) a Growth a Sequel of Acute Laryngitis; (3) Intubation of the Larynx.
 MORITZ, S., M.D. A Case of Acute Rheumatic Bilateral Paralysis of the Abductors of the Vocal Cords.
 MURPHY, JAMES, M.D. A Retractor for use in Tracheotomy.
 NEWMAN, David, M.D. A case of Laryngeal Carcinoma complicated by Chronic Pulmonary Tuberculosis, with remarks respecting the rare coincidence of these diseases.
 ROBERTSON, W., M.D. Two Cases of Rhinoscleroma, with Exhibition of Patients.
 SPICER, R. H. Scanes, M.D. Throat and Nose Affections in Children as Causes of Functional Nervous Disorders.
 STEWART, G. Eland, M.R.C.S. Tonsillitis as a Cause of Abscess in the Neck.
 STOKER, George, M.K.Q.C.P.I. Laryngitis and Rhinitis in Diabetes.

ZWAARDEMAKER, H., M.D. (Utrecht). New Olfactometers for Estimating Degree of Loss of Smell (shown and described for the author by Dr. Scanes Spicer).

SECTION J.—OTOLOGY.

(ELEMENTARY DIVISION, MECHANICS' INSTITUTE.)

J. OTOLOGY.—*President*, George P. Field, M.R.C.S. *Vice-Presidents*, Frederick Morrish Pierce, M.D.; Henry Bendelack Hewetson, M.R.C.S. *Honorary Secretaries*, Adolf Bronner, M.D., 33, Manor Row, Bradford; G. William Hill, M.B., 24, Wimpole St., W.

The following subject is proposed for formal discussion:

The Influence of Diseases of the Nose and Pharynx on Affections of the Middle Ear.

The discussion will be opened by Dr. F. M. Pierce and Mr. H. B. Hewetson.

The following otologists have also intimated their intention of joining in the discussion: Clarence J. Blake, M.D. (Boston, U.S.A.), Professor Urban Pritchard, M.D. (London), H. Macnaughton Jones, M.D. (London), J. Dundas Grant, M.D. (London), W. R. H. Stewart, F.R.C.S.Ed. (London), Donald Stewart, M.D. (Nottingham), Dr. Charles Warden (Birmingham), Mr. Lennox Browne, G. J. Mackesy, M.B., W. L. Mackesy, M.B., J. Erskine, M.B. (Glasgow), and Mr. Richard Williams.

The following further papers are announced:

BRONNER, Adolf, M.D. (Bradford). Notes on the Use of Menthol in the Local Treatment of Diseases of the Middle Ear; and will show (1) a Catheter for the Injection of Fluids, and (2) a Capsule for the Introduction of Vapours into the Middle Ear.

DAVIS, Henry, M.R.C.S. (London). On the question of Anæsthetics in Operations for Adenoid Growths of the Naso-Pharynx.

STONE, George, L.R.C.P. & S., Ed. (Liverpool). A Case of Severe Unilateral Tinnitus due to Stricture of the Eustachian Tube cured by Persistent Bougieing.

SECTION K.—PHARMACOLOGY AND THERAPEUTICS.

(CLASS ROOM 10, SCHOOL OF SCIENCE.)

K. PHARMACOLOGY AND THERAPEUTICS.—*President*, Sir William Roberts, M.D., F.R.S. *Vice-Presidents*, T. Cranstoun Charles, M.D.; I. Burney Yeo, M.D. *Honorary Secretaries*, John B. Hellier, M.D., 1, De Grey Terrace, Leeds; Dawson Williams, M.D., 25, Old Burlington Street, W.

Dr. TREVELYAN will give a DEMONSTRATION of the Method of applying SUSPENSION in the Treatment of LOCOMOTOR ATAXY, at 10-30 a.m., in the Operating Theatre of the General Infirmary.

British Medical Association.

REGULATIONS FOR THE CONDUCT OF ANNUAL GENERAL MEETINGS OF THE BRITISH MEDICAL ASSOCIATION.

General Control of Meeting.

1. The programme of the Annual General Meeting shall be under the control of the Council. The following Regulations shall guide the Committee of Arrangement and any local Committee that may be formed :—

Necessity of Limiting the Expenditure.

2. The gradual and constant increase of the Members of the British Medical Association renders it expedient to express the strong opinion of the Council that the medical men of the locality at which the Association holds its Meeting should not deem it necessary to incur a large expenditure, as otherwise the choice of a place of meeting must be more and more limited to the larger towns of the kingdom.

Annual Dinner.

3. The Annual Dinner shall be under the control of the Council.

Papers to be read at Meeting.

4. All Papers intended to be read at the Annual Meeting shall be forwarded, together with an Abstract, to the Secretaries of Sections ten days before the Annual Meeting takes place, excepting the Addresses of the Presidents of Sections or the Addresses to be delivered in General Meeting.

Directions for Sections.

5. The Presidents, Vice-Presidents, and Secretaries of Sections shall form a Committee of Reference, with power to accept, decline, or postpone any Paper, and to arrange the order in which the Papers shall be read.

Grouping of Papers for Discussion.

6. The Papers in each Section shall, as far as possible, be grouped together, so as to ensure a general discussion on kindred subjects.

Length of Time to be occupied by Papers or Speeches.

7. No communication shall occupy more than fifteen minutes, and no person shall be permitted to speak more than once or for more than ten minutes during the discussion thereon.

Resolutions at Annual Meetings.

8. No Motion shall be brought forward at the Annual Meeting unless it has been proposed by the Council or a Committee of the Association, or notice of the same shall have been given on the previous day, in writing, to the General Secretary, to be entered on the Agenda of the day and printed in the Daily Journal. This does not apply to Amendments moved in due form.

Meeting of Council.

9. The Council of the Association shall meet on the first day of the Annual Meeting, and the First General Meeting of the Association shall be held in the evening.

Reports of Committee.

10. All Reports of Committees of the Association shall be printed in the JOURNAL before the Annual Meeting.



List of Members

WHO HAVE REGISTERED THEIR NAMES.

- Abraham, P. S., M.D., 11, Nottingham Place, London, W. ; Reception Room.
- Acland, T. D., M.D., 7, Brook Street, W. ; T. P. Teale's, Cookridge St.
- Adams, W., 5, Henrietta Street, Cavendish Square ; Great Northern Hotel.
- Aldridge, C., M.D., Plympton House, Plympton, South Devon ; Great Northern Hotel.
- Allbutt, H. A., 24, Park Square, Leeds.
- Allfrey, C. H., M.D., St. Mary Cray ; 1, Moorland Terrace.
- Allan, J., M.D., Beckett Street, Leeds.
- Althorp, C. F. M., Bradford Infirmary.
- Allingham, H. W., 25, Grosvenor Street, London, W. ; West Riding Hotel,
- Alderton, H. C., Barnoldswick.
- Amyot, T. E., Diss, Norfolk ; Red Lion Hotel.
- Anderson, J., M.D., 105, Gloucester Place, Portman Square, London ; Studley Royal, Ripon.
- Anderson, T., M.D., Stonegate, York ; Mr. Mayo Robson, Hillary Place.
- Anderson, Mrs. Garrett, M.D., 4, Upper Berkeley Street, London ; Quarrydene, Weetwood, Leeds.
- Anningson, J. W., 11, Yorkshire Street, Burnley ; Park House, Aberford.
- Anningson, B., M.D., Cambridge.
- Anderson, A., M.D., Mirfield.
- Appleton, R. C., The Bar House, Beverley ; Cliffe Lodge, Hyde Park, Leeds.
- Aplin, Alfred, M.D., County Asylum, Sneinton, Nottingham ; Queen's Hotel.
- Appleby, F. H., Barnbygate House, Newark.
- Arlidge, J. T., M.D., The High Grove, Stoke-upon-Trent ; Bridge House, Haworth, Keighley.
- Arthur, J., Wingate, Ferryhill, co. Durham ; Griffin Hotel.
- Ashby, H., M.D., The Lindens, Victoria Park, Manchester ; John Redmayne, Esq., Grove House, Headingley.
- Aston, J. P., 160, Manningham Lane, Bradford, Yorks.
- Atkinson, F. E., Settle ; 16, Blenheim Terrace.
- Atkinson, G. P., Pontefract ; 2, Eldon Place.
- Atkins, R., M.D., District Lunatic Asylum, Waterford ; Adel Grange, Leeds.
- Atkinson, R., Cliffe Cottage, Rippondon, Halifax.
- Atkinson, Edward, 16, Blenheim Terrace, Leeds.

- Barr, J., M.D., Liverpool ; West Riding Hotel.
 Barr, T., M.D., 7, Albany Place, Glasgow ; 18, Mount Preston.
 Barber, F. S., Bradford.
 Ball, A., York.
 Bates, W. R., Addingham.
 Bailey, T. R., M.D., Edin., Bilston, Staffs. ; 31, Whetley Hill, Bradford.
 Ballard, E., M.D., 12, Highbury Terrace, N. ; Fredk. Baines. Esq., West-wood Lodge, Leeds.
 Barlow, J., M.D., 27, Elmbank Crescent, Glasgow ; 31, Lyddon Terrace, Leeds.
 Bacon, Alfred Thomas, West Field, Leeds.
 Bampton, H., M.D., Brookfield, Ilkley.
 Barnes, H., M.D., Carlisle.
 Balding, D. B., Royston, Cambs. ; 29, Sholebroke Avenue.
 Bartram, J. S., Bath ; Mr. Ryder, Glenhow Hill.
 Barnes, R., M.D., 15, Harley Street, London ; Dr. Braithwaite's.
 Barron, G. B., M.D., Southport ; Great Northern Hotel.
 Baron, B. J., M.B., 16, Whiteladies Road, Clifton, Bristol ; Mr. J. Whiting, 2, Regent Villas, Headingley.
 Balknill, William E., 14, Old Cavendish Street, Cavendish Square, Lond. Elm Bank, Cleckheaton.
 Barley, Henry, M.D., Green Cottage, Holbeck.
 Barley, David Henry, M.D., Grove House, Beckett Street.
 Barrs, Alfred G., M.D., 22, Park Place, Leeds.
 Bateman, F., M.B., Lond., Whitechurch, Oxon., near Reading ; Mr. Isitt, St. Mark's Cottage, Woodhouse Lane.
 Baker, J. W., Derby ; Queen's Hotel.
 Bateman, F., M.D., Norwich ; Marshall Stables, Esq., Hope Villa, Armley.
 Banks, W. M., 28, Rodney Street, Liverpool ; Mr. T. P. Teale's.
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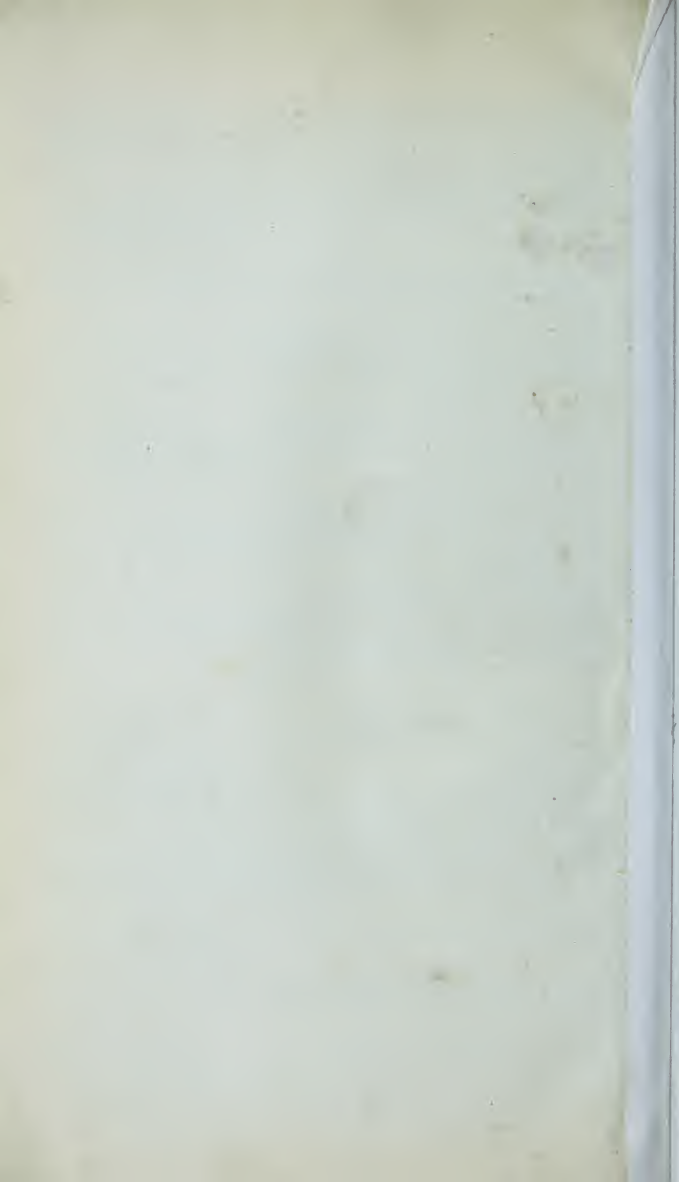
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