

CORRESPONDENTS are particularly requested by the Editor to observe that communications relating to advertisements, changes of address, and other business matters, should be addressed to the Manager, at the Journal Office, 161A, Strand, London, and not to the Editor.

THE PATHOLOGY OF SEA-SICKNESS.

SIR,—I have perused with much interest the letters which have lately been appearing in the JOURNAL concerning the pathology of sea-sickness. Having had a considerable experience of that unpleasant malady in my own person, I would venture to offer the following remarks; only premising that I refer solely to voyages of over twenty-four hours' duration; the occurrence of or exemption from sea-sickness in short trips being often dependent on accidental causes, general state of health, mental determination, &c.

My experience then leads me to the following general conclusions.

1. Individuals who cannot look down from a height without feeling giddy, suffer more frequently and more persistently than those who do not experience such sensations.

2. Men who are accustomed to smoke strong tobacco, suffer less frequently and recover sooner than non-smokers or those who use mild mixtures.

3. The people who suffer least (leaving out of consideration those who from habit or early training have become accustomed to the motion of a ship) are men of naturally "strong heads" and "good nerve" (expressive, if not strictly scientific terms); men of good physical development, who ride straight, delight in games requiring both pluck and judgment, and never lose their presence of mind in any emergency. Hence, perhaps, the reason why sea-sickness has from time immemorial been considered a fair subject for ridicule, as implying a certain deficiency in the manly virtues.

4. Sea-sickness supervenes sooner on an empty stomach, and when a "bad sailor" has recovered from sea-sickness, he often continues to suffer from nausea on first rising in the morning; that is to say, in the long fast between dinner and breakfast, and on changing the recumbent for the upright position.

5. If stimulants (among which I include small doses of opium) be taken while in the recumbent posture, and retained by the stomach, a temporary power of resisting sea-sickness is obtained, but a very pronounced reaction, not easily remedied, is apt to follow this alleviation.

6. It is exceptional to find a woman who is really a "good sailor."

To each of these propositions, more particularly the last, there are undoubtedly exceptions; but to my own mind there are sufficient data on which to base the following conclusions.

1. There is analogy between sea-sickness and the feeling of nausea often produced by fear or other disturbing mental emotions.

2. Sea-sickness is, in the first instance, at least, a purely cerebral phenomenon, though doubtless the repeated acts of vomiting do in time produce local gastric irritability.

3. This cerebral phenomenon is due to the disordered (irregular?) intracranial circulation, which, produced at first by the motion of the ship, is maintained and intensified by a secondary disturbance of the normal inhibitory function of the vagus causing a rapid, weaker, and irregular action of the heart. Hence the effect of the recumbent posture, and, perhaps, in part the influence of stimulants.

If, then, my views be correct, the indication for the treatment of this truly distressing malady is to regulate the cerebral circulation; and this I would attempt to do the moment the first sense of nausea began to manifest itself. I fear we shall never be able therapeutically to prevent sea-sickness, but I do hope that we may some day be able to cure it. The next sea-voyage I have to make, I intend to take with me the following mixture, and to try the effect of a 3j dose twice a day:—℞ Liquoris atropiæ ℥xij; tincturæ digitalis ℥lxx; tincturæ cannabis Indicæ ℥lxx; tincturæ capsici fl. drs. ij; olei caryophylli ℥xvj; lymph. aurantii; mucilaginis acaciæ aa fl. oz. j; aquam ad fl. oz. viij; at the same time of course carefully regulating the bowels, which are apt to become constipated on a sea-voyage. I am inclined to believe that the combined action of atropine and digitalis, together with the slightly exhilarating effect of the Indian hemp, may enable us to meet the indication to which I have already referred.—I am, sir, your obedient servant,

OSWALD G. WOOD, M.B., Surgeon A.M.D.

Morar, Bengal, 6th Dec., 1880.

SIR,—Can any of your readers recommend me a bracing seaside place, where a delicate boy (aged 12), requiring medical supervision, could be received as a boarder on moderate terms?—Yours very truly,

C. R. G.

Royal Berks Hospital, Reading, January 6th, 1881.

CHILBLAINS.

In reply to M.D., the following communications have been received.

DR. T. F. PEARSE believes that "M.D." has evidently a "bad circulation". The reactionary power of his circulatory apparatus requires strengthening, by cold bathing, followed by a good "rub down"; and those parts which are the seat of chilblains, as the hands and feet, should be dipped in cold water and well rubbed every night. Alcohol must be entirely given up, as it paralyses the peripheral vessels and favours congestion. Chilblains on the feet are often caused by tight and misshapen boots. The boots should be large, so as to allow thick woollen socks to be worn without compressing the feet. Before the stage of ulceration has occurred, nitrate of silver is perhaps the best local application. It hardens the surface, and appears to diminish the congestion of the part by causing contraction of the temporarily paralysed vessels.

MR. A. DE WATTEVILLE is in the habit of treating the complaint with galvanism, which has almost invariably been successful in his hands. The method is very simple. The diseased part is to be thoroughly sponged for a few minutes with the negative pole, the number of elements being sufficient to give as strong a current as can be borne.

DR. HERBERT L. SNOW advises "M.D." to try liniment of aconite.

MR. C. E. GREENWOOD recommends an ointment of lard and dry mustard, to be rubbed in, before a fire, for fully twenty minutes, and believes that this will probably cure the chilblains after two or three applications.

MR. E. T. CROUCH (Fareham), says that the chief point seems to be to keep the affected parts from contact with the air. For this purpose he usually paints the chilblain with "collodium flexile", giving it one or two coatings.

M.R.C.S. (No. 1), suggests the use of very hot water, which, in the case of the ears, might be applied by means of a sponge or flannel; in that of the hands and feet, by holding them in the liquid. The water should be hot enough to convert the itching into pain for the time, the temperature being kept up by additions of boiling

water occasionally. Some little resolution is required to employ this remedy effectually, but the comfort it produces amply repays for the temporary inconvenience. As a matter of course, measures of prevention should also be adopted.

M.R.C.S. (No. 2), suggests the application of collodion to the unbroken chilblains. If they be broken, probably the use of chloral-hydrate would give relief.

DR. C. H. HARTT believes the following formula will be found most efficacious in cases where the parts are unbroken. He has used it for some years, and always with a good result: ℞ Curd soap, 3j; water, 5iv; dissolve by aid of heat, and add the following: Gum camphor, 3iv; rectified spirit, 3vj; essence of bergamot, 45℥; lastly add liquor ammoniæ fortior, 3vj. Make a liniment, to be rubbed into the affected parts. He says that the strong solution of acetate of lead was highly recommended by Sir Astley Cooper, and he believes it to be most useful. He has also used the sulphurous acids of the *Pharmacopœia* with great success to allay the irritation accompanying chilblains in children.

MEDICAL SCIENCE IN JAPAN.

DR. SYMES THOMPSON writes that Dr. Palm has established a hospital at Niigata, in which he last year treated 5,000 patients, performed many operations, and established a medical school and a debating society. Many of the native doctors understand English. Dr. Palm furnishes them with the BRITISH MEDICAL JOURNAL, from which suitable translations are made for the other students who are not familiar with English.

M.R.C.S. (Canterbury).—Dr. Hardwicke's *Medical Education and Practice in all Parts of the World* (J. and A. Churchill; price 10s.), and the students' number of *The London Medical Record* (Smith, Elder, and Co., price 1s. 6d.), furnish particulars for graduation at Brussels, and other foreign universities.

COMMUNICATIONS, LETTERS, etc., have been received from:—

Dr. W. O. Priestley, London; Mr. Samuel Cartwright, London; Dr. Julius Althaus, London; Mr. W. H. Jacobson, London; Mr. Alfred Willett, London; Dr. Bradbury, Cambridge; Dr. Glascott, Manchester; Mr. Mark H. Judge, London; Sir James Alderson, London; Mr. J. Binckes, Wakefield; Mr. Whitehead Reid, Canterbury; Dr. Eade, Norwich; Dr. P. H. Bird, London; Mr. E. T. Crouch, Fareham; Mr. Bernard Roth, London; Mr. A. T. Wear, Newcastle-on-Tyne; Dr. Samuel Wilks, London; Dr. W. M. Campbell, Liverpool; Dr. Saul, Lancaster; Dr. S. White, St. Leonard's-on-Sea; Dr. Braxton Hicks, London; Mr. J. W. Blandford, Norton; Dr. Ward Cousins, Southsea; Dubitans; Dr. G. B. Longstaff, London; Dr. H. Snow, London; Mr. A. Ball, Spalding; Mr. A. de Watteville, London; Dr. E. Thompson, London; Mr. James Startin, London; Mr. Lawson Tait, Birmingham; Mr. Greenwood, London; Mr. Jennings, Malmesbury; Dr. Spencer Thomson, Torquay; Mr. F. Wallace, London; Mr. A. N. Carroll, Brighton; Mr. John Holden, Preston; Dr. C. Glascott, Manchester; M. F.; Mr. P. J. Hayes, Dublin; Human Sympathy; Dr. A. Collie, London; C. R. G.; Dr. Humphry, Cambridge; Dr. Thomas, Sheffield; Mr. M. Lubbock, London; Dr. J. G. Lyon, Glasgow; Mr. W. D. Husband, Bournemouth; Dr. Graham Brown, Edinburgh; Dr. Byrom Bramwell, Edinburgh; Dr. R. W. Egan, Dublin; Mr. H. J. Aveling, Cheltenham; Dr. J. Mitchell Wilson, Doncaster; Mr. W. Donevan, Whitwick; Mr. Charles Armon, Stanhope; Mr. R. Lord; Mr. C. E. Richmond, Warrington; Dr. J. Y. Totherick, Wolverhampton; Dr. W. Walter, Manchester; Mr. W. Curran, Warrington; L.R.C.P. Lond.; Mr. S. B. Partridge, London; Mr. W. H. Jalland, York; Dr. Crichton Browne, London; Our Aberdeen Correspondent; Scrutator; Mr. S. Gamgee, Birmingham; Mr. W. Marrant Baker, London; Dr. Cholmeley, London; Mr. J. E. Barton, Liverpool; Mr. H. Meymott, Ludlow; Dr. J. W. Miller, Dundee; Mr. Alan Manby, East Rudham; Dr. Habershon, London; Dr. Hadden, London; Dr. Daniel Moore, Lancaster; Mr. C. H. Hartt, London; Dr. F. P. Atkinson, Kingston-on-Thames; Placenta; Dr. G. Eastes, London; Dr. J. Rogers, London, etc.

BOOKS, ETC., RECEIVED.

Relapse of Typhoid Fever, especially with reference to the Temperature. By J. Pearson Irvine, M.D., F.R.C.P. Lond. London: J. and A. Churchill. 1880.

Handbook of Midwifery for Midwives. By J. E. Burton, L.R.C.P. London: J. and A. Churchill. 1880.

Scale of Charges for Advertisements in the "British Medical Journal".

Seven lines and under	..	..	..	..	..	..	..	£0	3	6
Each additional line	..	..	..	..	..	..	..	0	0	4
A whole column	..	..	..	..	..	..	..	1	15	0
A page	..	..	..	..	..	..	..	5	0	0

An average line contains eight words.

When a series of insertions of the same advertisement is ordered, a discount is made on the above scale in the following proportions, beyond which no reduction can be allowed.

For 6 insertions, a deduction of	..	..	..	..	..	..	..	10	per cent.
" 12 or 13 "	..	..	..	..	..	..	..	20	"
" 26 "	..	..	..	..	..	..	..	25	"
" 52 "	..	..	..	..	..	..	..	30	"

Advertisements should be delivered, addressed to the Manager, at the Office, not later than Twelve o'Clock on the Wednesday preceding publication; and, if not paid for at the time, should be accompanied by a reference.

Post-Office Orders should be made payable to the British Medical Association, at the West Central Post-Office, High Holborn. Small amounts may be sent in postage stamps.

Agent for the Advertising Department in France; J. ASTIER, 67, Rue Caumartin, Paris

BRITISH MEDICAL JOURNAL:

Being the Journal of the British Medical Association.

No. 1046.]

SATURDAY, JANUARY 15, 1881.

{Registered as
a Newspaper.} 6d.

Contents.

HARVEIAN LECTURES on the **PROGNOSIS and TREATMENT of CHRONIC DISEASES of the CHEST in RELATION to MODERN PATHOLOGY.** By J. E. POLLOCK, M.D., F.R.C.P., Senior Physician to the Hospital for Consumption and Diseases of the Chest, Brompton. Lecture II 77

ABSTRACT of LETTSOMIAN LECTURES on TROPICAL DYSENTERY and DIARRHŒA. By SIR J. FAYRER, K.C.S.I., M.D., Surgeon-General. Lecture I 79

ABSTRACTS of LECTURES on Further INVESTIGATIONS on ANTHRAX and ALLIED DISEASES in MAN and ANIMALS. By W. S. GREENFIELD, M.D., F.R.C.P., Professor Superintendent of the Brown Institution. Lectures IV and V. 81

CASE of PROGRESSIVE MUSCULAR ATROPHY, with BULBAR PARALYSIS. By ARTHUR W. FOX, M.B., Physician to the Eastern Dispensary and Bellot's Mineral Water Hospital, Bath .. 82
On WOUND-TREATMENT. By SAMUEL GAMGER, F.R.S.Ed. .. 84

HEPATIC ABSCESS OPENED ANTISEPTICALLY: RECOVERY. By A. T. WEAR, M.R.C.S. .. 86

EMPHYEMA INCISED ANTISEPTICALLY: DEATH from PERICARDITIS. By G. H. PHILIPSON, M.A., M.D., F.R.C.P. .. 86

THERAPEUTIC MEMORANDA. Influenza. By G. H. R. DABBS, M.D. 86

HOSPITAL REPORTS.

MIDDLESEX HOSPITAL. Cases of Epithelioma (Mr. Hulke) .. 87

REPORTS OF SOCIETIES.

PATHOLOGICAL SOCIETY OF LONDON. Enlargement of the Median Nerve.—Ununited Fracture of Olecranon.—Transverse Separation of Lower Epiphysis of Humerus.—Pathology of Molluscum Contagiosum.—Obstruction of Superior Mesenteric Artery and Vein.—Specimens exhibited by Card 88
PATHOLOGICAL SOCIETY OF DUBLIN. Fracture of Costal Cartilages .. 89

NEW INVENTIONS.

New Uterometer. By A. DUKE, M.K.Q.C.P. (with Woodcut) .. 89
Wyeth's Compressed Tablets of Soda-Mint 90
Hay's Ginger Champagne 90
An Invalid's Door-Bolt. By S. THOMSON, M.D. 90

REVIEWS & NOTICES.

NOTES ON BOOKS. The Index Ledger. 90

LEADING ARTICLES.

THE ALLAHABAD LIREL CASE .. 90
THE SMALL-POX HOSPITAL QUESTION .. 91

A CORONER'S VERDICT 91
THE REGISTRATION OF INFECTIOUS DISEASES IN IRELAND .. 92

THE WEEK.—Miscellaneous.—Hospital Saturday Fund.—Provident Dispensaries and Infectious Diseases.—Clinical Society of London.—Odontological Society of Great Britain.—Alleged Death from Vaccination.—Measles at Wellingborough.—Manchester Medical Society.—Cambridge Medical Society.—The Parkes Museum of Hygiene.—The Sanitary Assurance Association.—Dr. Stenhouse.—Hospital Mismanagement.—Cholera in British Burma.—Sanitary Progress in Brussels.—Public Health in Spain.—Small-pox in the Metropolis.—Revision of the German Pharmacopœia 92

THE WEEK. SCOTLAND .. 97
THE WEEK. IRELAND .. 99

GUY'S HOSPITAL 99
MEDICAL REFORM 100
THE BRITISH MEDICAL BENEVOLENT FUND 100
ROYAL COLLEGE OF SURGEONS OF ENGLAND 100

ASSOCIATION INTELLIGENCE.

BRANCH MEETINGS TO BE HELD. 100
SOUTHERN BRANCH: SOUTH EAST HANTS DISTRICT 101

SPECIAL CORRESPONDENCE. MANCHESTER 101

CORRESPONDENCE.

The General Lying-in Hospital. By S. O. HABERSHON, M.D. .. 101
Guy's Hospital. By S. WILKS, M.D., F.R.S.; and J. BRAXTON HICKS, M.D., F.R.S. 101

Physicians to Provincial Hospitals 101
Lunatic Asylums in Ireland .. 102
The Work of the Association and Individual Experiences. By T. F. PEARSE, M.D. 103
London Streets. By T. D'O. PARTRIDGE, L.R.C.P.Ed. 103
Deaths from Anæsthetics. By J. MILLS, M.R.C.S.Eng. 103

HOSPITAL AND DISPENSARY MANAGEMENT. Larbert Training Institution for Idiots and Imbeciles.—The Northallerton Cottage Hospital.—West Cheshire Provident Dispensary 103

PUBLIC HEALTH & POOR-LAW MEDICAL SERVICES.

Poor-Law Medical Officers' Association.—Health-Officing of the Isle of Wight.—Reports of Medical Officers of Health.—A Question of Fees .. 104

MEDICAL NEWS.

Royal College of Surgeons of England: Pass-List.—University of Durham.—Apothecaries' Hall.—Vacancies.—Appointments.—Births, Marriages, and Deaths.—Public Health .. 105
OPERATION DAYS AT THE HOSPITALS .. 106

HOURS OF ATTENDANCE AT THE LONDON HOSPITALS 106

MEETINGS OF SOCIETIES DURING THE NEXT WEEK 106

LETTERS, NOTES, AND ANSWERS TO CORRESPONDENTS. The Medical Profession and Intemperance in Alcohol.—Suggestions regarding General Practice.—Insurance Offices and Medical Fees.—Ill-smelling Feet .. 107

Works by Dr. Henry Bennet.

1. The **MEDITERRANEAN.** Fifth Edition, pp. 640. 12s. 6s.
2. The **TREATMENT of PHTHISIS.** Third Edition. 7s. 6d.
3. **NUTRITION, HEALTH, DISEASE.** Third Library Edition, 7s. Cheap Edition, Second Thousand, 2s. 6d.
4. **UTERINE INFLAMMATIONS.** Fourth Edition. 12s. 6d.
5. Le **TRAITEMENT de la PHTHISIE.** 5s. Paris.
6. La **MÉDITERRANÉE et la RIVIÈRE.** 7s. Paris.
7. La **CORSE et la SARDAIGNE, ÉTUDE.** 3s. 6d. Paris.

J. & A. CHURCHILL, New Burlington Street.

Now ready, price 2s. 6d., Second Edition, Improved and Enlarged.

Pharmacopœia of the British HOSPITAL for DISEASES of the SKIN, with Notes on the Preparation and Uses of the Formulae, and a copious Index. Edited by BALMANNO SQUIRE, M.B., Surgeon to the Hospital. J. & A. CHURCHILL, New Burlington Street.

TALIPES VARUS: ITS PATHOLOGY AND TREATMENT.

By GEORGE BUCHANAN, Professor of Clinical Surgery in the University of Glasgow.
A Clinical Lecture, price 1s.
Glasgow: MACLEHOSE, 61, St. Vincent Street.

Now ready, demy 8vo, cloth, 6s.

Tracheotomy in Laryngeal DIPHTHERIA (Membranous Croup).

With especial reference to After-treatment. To which are added a few General Remarks on Diphtheria and its earlier Treatment. By ROBERT WILLIAM PARKER, Assistant-Surgeon to the East London Hospital for Children.

London: DAVID BOGUE, 3, St. Martin's Place, W.C.

Just published, price 6s. 6d.

Braithwaite's Retrospect.

New Volume, from July to December, containing Abstracts of the most Practical Papers in all the Medical Journals and Transactions of Medical Societies for the last Six Months; each Volume also contains a Small Dictionary or Synopsis of Medical Treatment.

London: SIMPKIN, MARSHALL, & Co.

Edinburgh: OLIVER & BOYD.

Dublin: HODGES, FICGIS, & Co.

Now ready, with woodcuts, price 1s.

Short-Sight in Relation to EDUCATION.

An Address delivered to the BIRMINGHAM TEACHERS' ASSOCIATION. By PRIESTLEY SMITH, Ophthalmic Surgeon to the Queen's Hospital, Birmingham.

The Midland Educational Co., New St., Birmingham.

A Code of Medical Ethics.

By JUKESSTYRAP, M.K.Q.C.P., Physician-Extraordinary to the Salop Infirmary. 8vo, cloth, 2s. 6d. London: J. & A. CHURCHILL, New Burlington Street.

"This very complete Code should be in the hands of every practitioner."—*British Medical Journal*.

"We cordially recommend it."—*Edin. Med. Jour.*

By the same Author, 4to, 2s.

MEDICO-CHIRURGICAL TARIFFS. Shrewsbury: W. WARDLE, Pride Hill.

Now ready, Ninth Edition, Revised and Enlarged, with 3 Steel Plates and 377 Wood Engravings, 8vo, £1 11s. 6d.

Carpenter's Human Physiology.

By HENRY POWER, M.B.Lond., F.R.C.S., Examiner in Anatomy and Physiology in the Royal College of Surgeons; Senior Ophthalmic Surgeon to St. Bartholomew's Hospital.

J. & A. CHURCHILL, New Burlington Street.

Now ready, Second Edition, Revised and Enlarged, with Engravings, fcap. 8vo, 7s. 6d.

The Student's Guide to the DISEASES of WOMEN.

By A. J. GALABIN, M.D., F.R.C.P., Assistant Obstetric Physician and Joint-Lecturer on Obstetric Medicine, Guy's Hospital; Examiner in Obstetric Medicine, Univ. Cambridge.

J. & A. CHURCHILL, New Burlington Street.

Now ready, Second Edition, Revised and Enlarged, fcap. 8vo, 3s. 6d.

Harveian Lectures on Syphilis.

By JAMES R. LANE, F.R.C.S., Surgeon to St. Mary's Hospital, Consulting Surgeon to the Lock Hospital.

J. & A. CHURCHILL, New Burlington Street.

Now ready, with 8 Plates, 8vo, 2s.

Dress: its Sanitary Aspect.

By BERNARD ROTH, F.R.C.S.

J. & A. CHURCHILL, New Burlington Street.

Now ready, Second Edition, Revised and Enlarged, with Engravings, crown 8vo, 6s. 6d.

A Treatise on Vocal Physiology and Hygiene,

with especial reference to the Cultivation and Preservation of the Voice. By GORDON HOLMES, Physician to the Municipal Throat and Ear Infirmary.

J. & A. CHURCHILL, New Burlington Street.