

A P P E N D I X.

OFFICE-BEARERS.

1836.

COUNCIL.

JAMES WALKER, ESQ., F.R.S. L. & E., *President.*

WILLIAM CUBITT, ESQ., F.R.S., M.R.I.A., F.R.A.S.

BRYAN DONKIN, ESQ., F.R.A.S.

J. FIELD, ESQ., F.R.S.

H. R. PALMER, ESQ., F.R.S.

} *Vice-Presidents.*

I. K. BRUNEL, ESQ., F.R.S.

JOHN FAREY, ESQ.

GEORGE LOWE, ESQ., F.R.S., F.G.S., F.R.A.S.

JOHN MACNEILL, ESQ., F.R.A.S., M.R.I.A.

JAMES SIMPSON, ESQ.

ROBERT STEPHENSON, ESQ.

JOHN THOMAS, ESQ.

AUDITORS.

JAMES HOWELL, ESQ.

NATHANIEL NICHOLLS, ESQ.

TREASURER.

W. A. HANKEY, ESQ.

SECRETARY.

MR. WILLIAM GITTINS.

ACCOUNTANT AND COLLECTOR.

MR. GEORGE COLLINS GIBBON.

MEMBERS.

ANDERSON, WILLIAM, Paddington, London.
ANDERSON, WILLIAM D., Cannon Row, Westminster.
ASHWELL, JAMES, Upper Thames Street, London.
BARNES, JOHN, Commercial Road, London.
BRAMAH, FRANCIS, F.H.S., Pimlico, Middlesex.
BROWN, NICHOLAS, Wakefield, Yorkshire.
BRUNEL, MARC ISAMBARD, F.R.S., Duke Street, Westminster.
BRUNEL, ISAMBARD K., F.R.S., Duke Street, Westminster.
BRUNTON, WILLIAM, Charlotte Row, Mansion House, London.
CLARK, WILLIAM TIERNEY, F.R.A.S., Hammersmith, Middlesex.
COLLINGE, CHARLES, Westminster Bridge Road, Lambeth.
CUBITT, WILLIAM, F.R.S., F.R.A.S., M.R.I.A., Great George Street, Westminster.
DONKIN, BRYAN, F.R.A.S., New Kent Road, Surrey.
DONKIN, JOHN, F.G.S., Great Surrey Street, London.
FAREY, JOHN, Guildford Street, London.
FIELD, JOSHUA, F.R.S., Cheltenham Place, Lambeth.
GORDON, ALEXANDER, Fludyer Street, Westminster.
GRAYATT, WILLIAM, F.R.S., Delahay Street, Westminster.
HARDWICK, PHILIP, Russell Square, London.
HAWKINS, JOHN ISAAC, Hampstead Road, Middlesex.
HUNTER, WALTER, Bow, Middlesex.
JONES, JAMES, St. Katharine's, London.
LANDMANN, Colonel GEORGE, King William Street, London.
LOWE, GEORGE, F.R.S., F.R.A.S., F.G.S., Finsbury Circus, London.
MACNEILL, JOHN, F.R.A.S., M.R.I.A., St. Martin's Place, Westminster.
MAUDSLAY, JOSEPH, Cheltenham Place, Lambeth.
MEAD, JOHN C., Keppel Street, Bedford Square, London.
MILLER, JOSEPH, Commercial Road, London.
MILLS, JAMES, Battersea Fields, Surrey.
PALMER, GEORGE HENRY, Old Kent Road, Surrey.
PALMER, HENRY ROBINSON, F.R.S., Great George Street, Westminster.
PENN, JOHN, Greenwich.
PERKINS, JACOB, Great Coram Street, London.

PROVIS, WILLIAM ALEXANDER, Abingdon Street, Westminster.
PROVIS, HENRY THOMAS.
RHODES, THOMAS, York.
SAVAGE, JAMES, Essex Street, Strand, Westminster.
SEAWARD, JOHN, Limehouse, Middlesex.
SIBLEY, ROBERT, Great Ormond Street, London.
SIMPSON, JAMES, Pimlico, Middlesex.
STEPHENSON, ROBERT, Hampstead, Middlesex.
SWINBURNE, WILLIAM, Westminster Bridge.
THOMAS, JOHN, Highgate, Middlesex.
VIGNOLES, CHARLES, F.R.A.S., Trafalgar Square, Westminster.
WALKER, JAMES, F.R.S. L. & E., Great George Street, Westminster.
WHISHAW, FRANCIS, Gray's Inn, London.
WINSOR, F. A., Brick Lane, Old Street, London.

CORRESPONDING MEMBERS.

AHER, DAVID, Dublin.
ATHERTON, CHARLES, Glasgow.
BAIRD, FRANCIS, St. Petersburg.
BAIRD, NICHOL, Upper Canada.
BALD, ROBERT, F.G.S., F.R.S. E., Edinburgh.
BAXTER, WILLIAM, Bangor, Wales.
BEAMISH, RICHARD, Cork.
BIDDER, GEORGE P.
BLACKADDER, WILLIAM, Glammiss, Forfarshire, N.B.
BLACKMORE, JOHN, Ryton, near Newcastle-upon-Tyne.
BLACKWELL, JOHN, Hungerford, Berks.
BLOM, Colonel FREDERICK, Stockholm.
BODMER, JOHN GEORGE, Bolton, Lancashire.
BREMNER, JAMES, Pulteney Town, Caithness, N.B.
BROOKS, WILLIAM A., Stockton-upon-Tees.
BUCK, GEORGE WATSON, Watford, Herts.
BUDDLE, JOHN, F.G.S., Newcastle-upon-Tyne.
BURY, EDWARD, Liverpool.
CASEBOURNE, THOMAS, Caledon, Ireland.

CLEGRAM, WILLIAM, Gloucester.
CLELAND, JAMES, LL.D., Glasgow.
DAGLISH, ROBERT, Wigan, Lancashire.
DYSON, THOMAS, Downham, Norfolk.
EASTON, ALEXANDER, Newport, Shropshire.
FAIRBAIRN, WILLIAM, Manchester.
FORBES, Captain WILLIAM NAIRN, F.R.S., F.G.S., Bengal Engineers, Calcutta.
FORDHAM, ELIAS P., Dover.
FOSTER, THOMAS, Haswell, Durham.
FOULS, SAMUEL, Northwich, Cheshire.
GIBB, JOHN, Aberdeen.
GIBB, ALEXANDER, Aberdeen.
GLYN, JOSHUA, Butterly, near Derby.
GOODRICH, SIMON, Portsmouth.
GRAINGER, THOMAS, Edinburgh.
GREEN, JAMES, Exeter.
HADEN, GEORGE, Trowbridge, Wilts.
HALPIN, GEORGE, Dublin.
HAMILTON, GEORGE E., Walton, near Stone, Staffordshire.
HANDISIDE, WILLIAM, St. Petersburg.
HARRISON, THOMAS E., Sunderland.
HICK, BENJAMIN, Bolton, Lancashire.
HOPKINS, ROGER, Plymouth and Bath.
HOPKINS, RICE, Plymouth and Bath.
HOPKINS, THOMAS, Plymouth and Bath.
IRVINE, Major ARCHIBALD, Bengal Engineers, Calcutta.
JONES, R. W., Langhor, near Swansea, Glamorganshire.
KNIGHT, PATRICK, Castlebar, Ireland.
LAGERHEIM, Captain GUSTAFF, Gotha Canal, Sweden.
LEATHER, GEORGE, Leeds.
LESLIE, JAMES, Dundee.
LIPKINS, ANTOINE, The Hague, Holland.
LOCKE, JOSEPH, Liverpool.
LOGAN, DAVID, Glasgow.
MACKENZIE, WILLIAM, Liverpool.
MAY, GEORGE, Clackmacarry, Inverness.
MILLER, JOHN, Edinburgh.

- MOSES, MOSES, Newport, Monmouthshire.
MURRAY, JOHN, Sunderland.
MANBY, AARON, Creuzot, Sône et Loire, France.
NEILSON, JAMES B., Glasgow.
NEWNHAM, THOMAS G., Newtown, Montgomeryshire.
OLDHAM, JAMES, Hull.
PARKES, JOSIAH, Cork.
PEEL, GEORGE, Soho, Manchester.
POTTER, JAMES, Birmingham.
PRICE, HENRY H., F.G.S., M.R.I.A., Swansea, Glamorganshire.
PROVIS, JOHN, Holyhead, Anglesea.
RASTRICK, JOHN U., Birmingham.
RENDEL, JAMES M., Plymouth.
RICHARDSON, JOSHUA, Newcastle-upon-Tyne.
ROENTGEN, GERRARD MORRIS, Rotterdam.
SOPWITH, THOMAS, F.G.S., Newcastle-upon-Tyne.
SMITH, JAMES, Deanston, near Stirling, N. B.
STEEDMAN, JOHN, Edinburgh.
STEVENSON, ROBERT, F.G.S., F.R.S. E., Edinburgh.
STEVENSON, ALAN, M.A., Edinburgh.
STEWART, WILLIAM, Bordeaux.
STIRLING, JAMES, Dundee.
STOREY, THOMAS, St. Helen's-Auckland, Durham.
STUART, WILLIAM, Plymouth.
SUERMONDT, Y. D., Utrecht.
TENNANT, CHARLES, Glasgow.
THOM, ROBERT, Rothsay, Isle of Bute, N.B.
THOMSON, JAMES, Shiffnal, Shropshire.
THORNTON, GEORGE, Daventry, Northamptonshire.
THOROLD, WILLIAM, Norwich.
TRUBSHAW, JAMES, Haywood, Staffordshire.
WELSH, HENRY, Newcastle-upon-Tyne.
WILSON, DANIEL, Paris.
WILSON, ALEXANDER, St. Petersburg.
WOOD, NICHOLAS, Killingworth, near Newcastle.
WOOLF, ARTHUR, Camborne, Cornwall.
YATES, WILLIAM.

ASSOCIATES.

- ABERNETHY, GEORGE, Dover.
AITCHISON, GEORGE, St. Katharine's, London.
ALBANO, BENEDETTO, Piccadilly, Westminster.
ARMSTRONG, JOHN, Bristol.
AYRTON, Lieut. FREDERICK, Royal Artillery, Bombay.
BAKER, GEORGE, Montague Place, Russell Square, London.
BAKER, HUGHBERT, Parliament Street, Westminster.
BARTHOLOMEW, CHARLES, Rotherham, Yorkshire.
BARWISE, JOHN, St. Martin's Lane, Westminster.
BEVAN, JOHN, Buckingham Street, Strand, Westminster.
BILLINGTON, WILLIAM, Pimlico, Middlesex.
BOORER, JOHN, Chelsea, Middlesex.
BORTHWICK, MICHAEL A., Great George Street, Westminster.
BOURNS, CHARLES, Great Ormond Street, London.
BRAIDWOOD, JAMES, Watling Street, London.
BRAY, WILLIAM BAYLEY, Bow, Middlesex.
BRINE, JOHN AUGUSTUS, Manchester Buildings, Westminster.
BULL, WILLIAM, Halifax, Yorkshire.
CARPMAEL, WILLIAM, Lincoln's Inn, London.
COMBE, JAMES, Nelson Square, Southwark.
COMRIE, ALEXANDER, Fludyer Street, Westminster.
COOPER, JAMES, Kentish Town, Middlesex.
COTTAM, GEORGE, Winsley Street, Oxford Street, London.
COTTAM, GEORGE HALLEN, Oxford Street, London.
CUBITT, JOSEPH, Great George Street, Westminster.
CUBITT, LEWIS, Gray's Inn Road, London.
CUBITT, WILLIAM, Gray's Inn Road, London.
DAVIDSON, JOHN R., Stone, Staffordshire.
DAVISON, ROBERT, Spitalfields, London.
DENT, EDWARD JOHN, Strand, Westminster.
DE VILLE, JAMES, Strand, Westminster.

- DONKIN, BRYAN, Jun., New Kent Road, Surrey.
DREWRY, CHARLES, Howland Street, Fitzroy Square, London.
DUNDASS, JOHN F., Dumfries, N.B.
ERRINGTON, JOHN E., Chester.
FREEMAN, WILLIAM, Milbank Street, Westminster.
GORDON, LEWIS B., Rotherhithe, Surrey.
GREEN, JOSEPH, Exeter.
GUEST, JOSIAH JOHN, M.P., F.R.S., F.G.S., F.H.S., Grosvenor Street, London.
GUTCH, GEORGE, Harrow Road, Middlesex.
HALLEN, BENJAMIN, Winsley Street, Oxford Street, London.
HAWKSHAW, JOHN, Vincent Square, Westminster.
HAYS, WILLIAM BENNETT, Bermondsey, Surrey.
HEATHCOAT, JOHN, M.P., London.
HEMMING, SAMUEL, Notting Hill, Middlesex.
HENNETT, GEORGE, Guildford Street, London.
HEPPEL, JOHN, Mansion-house Street, London.
HORNE, JAMES, F.R.S., City Club House, London.
HOUGHTON, DUGDALE, Edgbaston, Birmingham.
HOWARD, THOMAS, Tokenhouse Yard, London.
HOWELL, JAMES, Vincent Square, Westminster.
HUNTER, JAMES, Bow, Middlesex.
JOPLING, JOSEPH, Somerset Street, Portman Square, London.
JONES, THOMAS, F.R.S., F.R.A.S., Charing Cross, Westminster.
KENNEDY, HENRY, Kennington, Surrey.
KEPP, RICHARD, Chandos Street, Westminster.
LAWRIE, ALEXANDER, Manchester.
LEAHY, PATRICK, Cork.
LEATHER, JOHN THOMAS, Sheffield.
LYNDE, JAMES G., Great Queen Street, Westminster.
M'INTOSH, DAVID, Bloomsbury Square, London.
MAY, CHARLES, City Road, London.
MITCHELL, JOSEPH, Inverness.
MORELAND, RICHARD, Old Street, London.
MOORSOM, Captain W. S., St. John's Wood, Middlesex.
MACQUISTON, PETER, Glasgow.
MOSELEY, WILLIAM, King's Road, London.
NICHOLLS, NATHANIEL, Lambeth, Surrey.

OLDHAM, JOHN, St. Martin's Place, Westminster.
PAGE, THOMAS, Rotherhithe, Surrey.
PALMER, WILLIAM, Clerkenwell, Middlesex.
PARSONS, WILLIAM, Leicester.
PATRICK, THOMAS, Fludyer Street, Westminster.
PENN, JOHN, Jun., Greenwich.
POOLE, MOSES, Lincoln's Inn, London.
REID, MAJOR, Royal Engineers, Chatham.
RENTON, A. H., Pimlico, Middlesex.
SEAWARD, SAMUEL, Limehouse, Middlesex.
SIMPSON, WILLIAM, Pimlico, Middlesex.
SPEARMAN, Captain JOHN MORTON, J. U. Service Club, London.
SIMMS, WILLIAM, F.R.A.S., Fleet Street, London.
STEELE, THOMAS, Ennis, Ireland.
SMITH, Captain JOHN THOMAS, Madras Engineers, Madras.
STUTELY, MARTIN J., John Street, Adelphi, London.
STEPHENSON, ROLAND MACDONALD, Upper Thames Street, London.
SYLVESTER, JOHN, Great Russell Street, London.
TAYLOR, THOMAS F., Salisbury Street, Strand, Westminster.
THOMSON, JOHN G., St. Martin's Place, Westminster.
TOMKINS, WILLIAM G., Albion Place, Blackfriars, London.
TOWNSHEND, RICHARD, Highgate, Middlesex.
TREACY, WILLIAM A., St. Martin's Place, Westminster.
TREHERNE, EDMUND, South Molton Street, London.
TUCKER, JOHN SCOTT, Mecklenburg Square, London.
TURNBULL, GEORGE, Cardiff, Glamorganshire.
WATERSTON, JOHN JAMES, Milbank Street, Westminster.
WATKINS, FRANCIS, Charing Cross, Westminster.
WELLS, Major, Royal Engineers, Chatham.
WHITWELL, STEDMAN, Highgate, Middlesex.
WILLIAMS, CHARLES WYE, Liverpool.
WRIGHT, JOHN, Brighton.

HONORARY MEMBERS.

- AIKIN, ARTHUR, F.L.S., Society of Arts, Adelphi, Westminster.
- BARLOW, PETER, F.R.S., F.R.A.S., Royal Military Academy, Woolwich.
- BEAUFORT, Captain FRANCIS, F.R.S., F.R.A.S., F.G.S., Admiralty, London.
- BREWSTER, Sir DAVID, LL.D., F.R.S. L. & E., F.R.A.S., Hon. M.R.I.A., Edinburgh.
- COLBY, Lieut.-Colonel THOMAS, LL.D., F.R.S. L. & E., M.R.A.S., F.G.S., F.R.A.S., M.R.I.A., Tower, London.
- DUPIN, Baron CHARLES, Member of the Institute of France, &c., &c., Paris.
- GILBERT, DAVIES, D.C.L., V.P.R.S., F.R.A.S., F.G.S., Hon. M.R.I.A., &c., &c., Eastbourne, Sussex.
- GREGORY, OLINTHUS, LL.D., F.R.A.S., Royal Military Academy, Woolwich.
- LEGRAND, Mons., Councillor of State, Director General of Roads, Bridges, and Mines in France, &c., &c., Paris.
- PARNELL, The Right Hon. Sir HENRY, Bart., M.P., Chester Street, Belgrave Square, London.
- PASLEY, Lieut.-Colonel CHARLES WILLIAM, C.B., F.R.S., F.R.A.S., F.G.S. Chatham.
- PEARSON, Rev. WILLIAM, D.D., F.R.S., V.P.R.A.S., Islington, Middlesex.
- RICKMAN, JOHN, M.A., F.R.S., Duke Street, Westminster.
- WALLACE, WILLIAM, M.A., F.R.S.E., F.R.A.S., Edinburgh.

REGULATIONS.

INDEX OF CONTENTS

TO THE

REGULATIONS.

Section	Page
I. Of its Object	xv
II. Of its Constitution	ib.
III. Of the Election and Expulsion of Members, Corresponding Members, and Associates	xvi
IV. Of the Election of the Officers	xix
V. Of the Contribution of Members, Corresponding Members, and Associates	xx
VI. Of the President	xxi
VII. Of the Vice-Presidents	xxii
VIII. Of the Council	ib.
IX. Of the Auditors	xxiii
X. Of the Treasurer	ib.
XI. Of the Secretaries	xxiv
XII. Of the Collector	ib.
XIII. Of the Ordinary Meetings	ib.
XIV. Of the Annual General Meeting	xxv
XV. Of Special General Meetings	ib.
XVI. Of Committees and Lectures	xxvi
XVII. Of altering the Regulations	ib.
XVIII. Of the Property of the Institution	xxvii
XIX. Of Donations and Bequests	xxviii
Bye-Laws	xxix
Appendix	xxxii

REGULATIONS.

SECTION I.

OF ITS OBJECT.

THE Institution of Civil Engineers has been formed for facilitating the acquirement of professional knowledge, and for promoting mechanical philosophy.

SECTION II.

OF ITS CONSTITUTION.

1. The Institution of Civil Engineers shall consist of four classes, *viz.* Members, Corresponding Members, Associates, and Honorary Members.
2. Members shall be persons who are, or have been, engaged in the practice of a Civil Engineer.
3. Corresponding Members shall be persons of the same description, who reside without the limits of the three-penny post.

4. Associates shall be those, whose pursuits constitute branches of Engineering, but who are not Engineers by profession.

5. Honorary Members shall be persons who are not engaged in the practice of a Civil Engineer in this country, but who are men eminent for science, and have written on subjects connected with the profession.

6. The number of Honorary Members shall be limited to forty.

7. The Officers of the Institution shall consist of a President, four Vice-Presidents, and seven Members, who shall constitute a Council for the direction and management of the affairs of the Institution; and of two Auditors, a Treasurer, two Secretaries, and a Collector; all of whom shall be elected annually, and shall be re-eligible.

8. The President, Vice-Presidents, and the seven other Members of the Council, shall be chosen out of the class of Members only; and the Auditors shall be chosen out of the class of Members, or of the class of Associates.

SECTION III.

OF THE ELECTION AND EXPULSION OF MEMBERS, CORRESPONDING MEMBERS, AND ASSOCIATES.

1. All persons desirous of being admitted into the Institution as Members, Corresponding Members, or Associates, must be proposed agreeably to form (A) in the Appendix hereto, wherein must be inserted the Christian name, Surname, and usual place of residence of the candidate, in which the qualifications of the candidate shall also be distinctly specified in such a manner as to enable the Members, Corresponding Members, and Associates, generally to judge of his

eligibility, and which form must, in the case of Members and Associates, be subscribed by at least three Members of the Institution, who shall certify their personal knowledge of such candidate; but in the case of Corresponding Members, it shall be sufficient if one of such three, or more subscribing Members certifies his personal knowledge of the individual proposed. And every person proposed as an Honorary Member must be recommended by at least five Members, who shall certify that he is a person eminent for science, and give the title of one or more works which he may have written on subjects connected with the profession.

2. Every recommendation of a candidate must be delivered to the Secretary, who shall submit the same to the Council for them to inquire and determine whether the candidate is a fit person to be balloted for, and also for which class of Members he should be presented to the Ordinary Meeting.

3. When the Council shall have approved the recommendation of a candidate, the proposition shall be signed by the Chairman of the Council; it shall then be read at the first following Ordinary Meeting, after which, it shall be hung up in their principal meeting room, and there remain until the candidate is balloted for.

4. The ballot shall take place at the second Ordinary Meeting of the Institution after that on which the candidate is proposed.

5. The proportion of votes requisite for the election of any person into either class, shall be at least three-fourths of the ballot.

6. In the election of Members, Corresponding Members, or Associates, a second ballot shall be granted at the same meeting, if immediately demanded by three Members, Corresponding Members, or Associates present.

7. In the event of its being desired to transfer any Member, Corresponding Member, or Associate of the Institution from one class to another class, such proposition, containing the reasons for the desired change, according to form (F), and signed by three Members, Corresponding Members, or Associates, shall be submitted to the Council, as in the case of the admission of Members, Corresponding Members, or Associates, and, if approved by them, shall go through the same forms also, as a candidate for admission into the Society.

8. In case of the non-election of any person balloted for, no notice shall be taken thereof in the minutes.

9. Whenever any person is elected, the Secretary shall immediately inform him of the same by letter (B) in the Appendix, and the election of Honorary Members shall likewise be communicated to them as soon as possible, by a letter suitable to each particular case; and no person shall be considered as an Honorary Member, until he has signified his acquiescence in the election, after which he shall have all the rights and privileges of a Member, except that of filling any office in the Institution.

10. Every person elected a Member, Corresponding Member, or Associate, shall pay his first annual contribution within two months of the day of his election, otherwise his election shall be void. But in the case of Corresponding Members not resident in Great Britain, the Council shall have power to extend this period as they may judge proper.

11. Every Member, Corresponding Member, and Associate elected, shall be required to sign the form (c) in the Appendix, and having likewise paid his first annual contribution, shall be admitted at the first ordinary meeting of the Institution at which he is present, according to the ensuing form: *viz.* the President or Chairman of the Meeting, addressing him by name, shall say, "As President,

or as Chairman of this Meeting of the Institution of Civil Engineers, I introduce Mr. *B. W.* as a [*as may be*] thereof."

12. If at any time there shall appear cause for the expulsion of any Member, Corresponding Member, or Associate, such proposition shall be handed to the Council, who, if they think fit, shall call a special General Meeting for the purpose, but no Member, Corresponding Member, or Associate, can be expelled without a report from the Council; and if one-half of the Members then present, at such special General Meeting, agree that such Member, Corresponding Member, or Associate be expelled, the President, or other Officer or Member in the Chair, shall declare the same accordingly, and the Secretary shall forthwith communicate the same to such Member, Corresponding Member, or Associate, according to the form (D) in the Appendix.

SECTION IV.

OF THE ELECTION OF THE OFFICERS.

1. The President, Vice-Presidents, Council, two Auditors, Treasurer, two Secretaries, and Collector, shall be elected annually by ballot, at the General Meeting, on the third Tuesday in January.

2. That all persons to be eligible as Officers of this Institution, must be put in nomination at the Ordinary Meeting, immediately preceding the Annual General Meeting.

SECTION V.

OF THE CONTRIBUTION OF MEMBERS, CORRESPONDING MEMBERS,
AND ASSOCIATES.

1. The Contribution of each Member shall be three guineas per annum; the first of which shall be payable at the time of his election, and every payment shall become due in advance, on the first day of January then next following.

2. The Contribution of each Corresponding Member shall be two guineas per annum; the first of which shall be payable at the time of his election, and every payment shall become due in advance, on the first day of January then next following.

3. The Contribution of each Associate shall be two guineas and a half per annum; the first of which shall be due at the time of his election, and every subsequent payment shall, in like manner, become payable in advance, on the first day of January then next following. Any Member, Corresponding Member, or Associate, residing in the United Kingdom, may, however, compound for his annual contributions by the payment of twenty guineas, and any Member, Corresponding Member, or Associate, residing abroad, may compound for his annual contribution by the payment of ten guineas.

4. New Members, Corresponding Members, or Associates, shall pay the sum of one guinea, as an admission fee.

5. Every Member, Corresponding Member, and Associate, is expected to produce to the Institution, at least one unpublished communication in each

session, or present a book, map, plan, model, or instrument not already in possession of the Institution; or any drawing, model, or description of a work already executed, will be acceptable.

6. Every Member, Corresponding Member, and Associate, shall be considered as belonging to the Institution, and as such, liable to the payment of his annual contribution, until he has either forfeited his claim, or has signified to the Secretary in writing his desire to resign, when his name shall be erased from the list of Members.

7. Whenever any Member, Corresponding Member, or Associate, shall be two years in arrear in the payment of his annual contribution, the Council shall direct the Secretary to send to such Member, Corresponding Member, or Associate, a letter of the form (E) in the Appendix. And if the arrears shall not be paid within six months after the forwarding of such letter, the name of the Member, Corresponding Member, or Associate so offending shall be publicly suspended, in the meeting rooms of the Institution, as a defaulter, together with the amount of contribution due by him; and such Member, Corresponding Member, or Associate, shall not enjoy any of the privileges and advantages thereof until his arrears be paid.

SECTION VI.

OF THE PRESIDENT.

The President shall be a person eminent as a Civil Engineer, and shall take the Chair at all meetings of the Institution at which he is present, and shall regulate and keep order in the proceedings. It shall likewise be his duty to state and put questions, according to the sense and intention of the meeting, and to carry into effect the Regulations of the Institution.

SECTION VII.

OF THE VICE-PRESIDENTS.

In the absence of the President, it shall be the duty of the Vice-Presidents to preside in rotation at the meetings of the Institution, and to state and put questions, keep order, and regulate the proceedings. But in case of the absence of the President and all the Vice-Presidents, the Members present may elect any one of their number to take the Chair at that meeting.

SECTION VIII.

OF THE COUNCIL.

1. The direction and management of all the affairs of the Institution shall be confided to the Council.

2. The Council shall meet at the house of the Institution, at least once every fortnight during the session; but any two Members thereof may, by letter to the Secretary, require an extra meeting to be called, three days' notice of which must be given to each of the Members of the Council.

3. At any Meeting of the Council, three Members thereof shall constitute a quorum.

4. All questions shall be decided in the Council by vote; but at the desire of any two Members present, the determination of any subject shall be postponed to the succeeding Meeting.

5. An annual Account of the general state of the funds of the Institution

and of the Receipts and Expenses of the past year, shall be made out by the Council, which after being examined by the Auditors, shall be laid before the Annual General Meeting.

6. The Council shall draw up a Yearly Report on the state of the Institution, in which shall be given an abstract of all the proceedings, and such Report shall be read at the Annual General Meeting.

SECTION IX.

OF THE AUDITORS.

The two Auditors shall audit the accounts of the Institution annually, previous to the General Meeting.

SECTION X.

OF THE TREASURER.

1. The Treasurer shall be a Banker in London, with whom all money belonging to the Institution shall be deposited by the Council, on account and for the use of the Institution.

2. No sum of money, payable on account of the Institution, amounting to five pounds and upwards, shall be paid, except by order of the Council, signed by three Members of the Council and the Secretary.

3. All admission fees, and life subscriptions, together with one moiety of the surplus money, shall be annually invested as an increasing fund for the use and advantage of the Institution.

SECTION XI.

OF THE SECRETARIES.

The duty of the Secretaries shall be to attend the meetings of the Institution and of the Council—to take minutes of all their proceedings, and enter them in the proper books—to read the minutes of the preceding meeting—to announce any donations made to the Institution—to give notice of any candidate proposed for admission, or to be balloted for—and to read the letters and papers presented to the Institution in the order of time in which they were received, unless the Council shall otherwise determine: also to keep the accounts of the Institution.

SECTION XII.

OF THE COLLECTOR.

The duty of the Collector shall be to collect all monies due to the Institution, and pay the amounts to the Treasurer, and to lay accounts of the sums so received and paid to the Treasurer, before the Council.

SECTION XIII.

OF THE ORDINARY MEETINGS.

1. The sessions of the Institution shall commence annually on the second Tuesday in January, and ordinary meetings shall be held on every succeeding Tuesday, until May, inclusive, but it shall be in the power of the Council to protract the sessions if it should seem necessary. The Chair may be taken when five Members, Corresponding Members, or Associates, are present.

2. The business of the Institution shall commence at eight o'clock in the

evening precisely, and be conducted according to the order prescribed in the Bye-Laws.

3. Every Member, Corresponding Member, and Associate, shall have the privilege of introducing a visitor to be present at the public business of the Institution, on writing his name in a book provided for that purpose.

4. At the Ordinary Meetings of the Institution, nothing relating to its regulation or management shall be brought forward, and no motion shall be made after ten o'clock.

SECTION XIV.

OF THE ANNUAL GENERAL MEETING.

A General Meeting of the Institution shall be held annually, on the third Tuesday in January, at seven o'clock in the evening, to receive and deliberate upon the report of the Council on the state of the Institution, and to elect the officers for the ensuing year.

SECTION XV.

OF SPECIAL GENERAL MEETINGS.

1. The Council may, at any time, call a Special General Meeting of the Institution for a specific purpose; and they are at all times bound to do so on the written requisition of ten Members, Corresponding Members, or Associates, which shall specify the nature of the business to be transacted.

2. No alteration of the rules or regulations shall be made, except at a Special General Meeting of the class of Members only.

3. Members or Associates resident in London shall have three days' notice of the time of such meeting, and shall be, at the same time, informed of the nature of the business to be brought forward: and no other question shall be discussed at such meeting.

SECTION XVI.

OF COMMITTEES AND LECTURES.

1. The Council shall have power to appoint Committees, for the purpose of investigating specific subjects connected with the objects of the Institution; and the reports of such Committees shall be submitted to the Council, previously to their being read to the Institution.

2. The Council shall have power to grant, from time to time, as they may think fit, the use of the rooms of the Institution to any number of Members who may be desirous of having Lectures delivered to them on subjects connected with the profession, provided always that the extra expenses thereof be defrayed by those who attend such Lectures.

SECTION XVII.

OF ALTERING THE REGULATIONS.

1. The Council shall, when they consider it expedient to propose the enactment of any new regulation, or the alteration or repeal of any existing one, summon a Special General Meeting of Members to decide on the same, and the Council may also call a Special General Meeting of Members at any time during the session for such purpose.

2. The alteration or repeal of any existing regulation may be recommended

to the Council, such recommendation to be written out and signed by any ten Members, Corresponding Members, or Associates of the Institution; and on the recommendation thus made the Council shall decide.—If such decision be not satisfactory to the Members, Corresponding Members, or Associates proposing the alteration, the Council shall, if required, submit the same to a Special General Meeting of Members to be convened for that purpose.

3. No new regulation, nor alteration or repeal of any existing regulation, shall be proposed at any meeting of the Institution, except in the manner here described.

SECTION XVIII.

OF THE PROPERTY OF THE INSTITUTION.

1. The whole of the property and effects of the Institution, of what kind soever, shall be vested in the Council of the Institution for the time being, to be held in trust for its use.

2. Every paper, map, plan, or drawing, which may be presented to the Institution, shall be considered as the property thereof, unless there shall have been any previous arrangement to the contrary; and the Council may publish the same in any way, and at any time, they may think proper. But should the Council refuse or neglect to publish such paper or other communication within a reasonable time, the author thereof shall have a right to copy the same, and publish it as he may think fit.—No other person shall publish any communication belonging to the Institution, without the previous consent of the Council.

3. No books, papers, plans, maps, or other property belonging to the Institution, shall be taken out of the house thereof; but every Member, Corre-

sponding Member, or Associate shall have a right at all seasonable hours to inspect the same, and to make extracts and copies therefrom at his own expense.

SECTION XIX.

OF DONATIONS AND BEQUESTS.

1. The names of all persons who shall contribute to the Library, to the Collection, or to the general Fund of the Institution, shall be read at the Annual General Meeting, and such persons shall be recorded as benefactors in the next volume of the Transactions thereafter to be published.

2. Every person desirous of bequeathing to the Institution any manuscripts, books, maps, plans, drawings, instruments, or other personal property, is requested to make use of the following form in his will; viz.—

“I give and bequeath to the INSTITUTION OF CIVIL ENGINEERS, incorporated June 3, 1828, [*here enumerate and particularize the effects or property intended to be bequeathed,*] and I hereby declare that the receipt of the Treasurer of the said Institution for the time being shall be an effectual discharge to my executors for the said legacy.”

BYE - LAWS.

I. At the Meeting of the Institution every Tuesday evening, the following order of business shall be attended to, as closely as circumstances will admit :—

1. The Minutes of the previous meeting to be read and confirmed, and signed by the Chairman; and no entry shall be considered valid until thus completed.

2. The Minutes of the conversation on questions discussed at the previous meeting to be read and corrected.

3. New Members, Corresponding Members, or Associates, to be introduced to the meeting.

4. Candidates for admission to be balloted for.

5. Business arising out of the Minutes to be entered on.

6. Communications received since the last meeting to be announced, and read, if required.

7. Presents to be acknowledged.

8. Communications from the Council to be brought forward.

9. Questions on the printed circular to be discussed.

II. After a discussion on questions at an Ordinary Meeting, the Chairman is expected to sum up the opinions that have been given, and declare what appears

to be the sense of the meeting on the subjects discussed, together with his own opinion.

III. A weekly Circular Letter shall be sent to all the Members requiring it, announcing the evening and time of meeting, and containing a list of Questions for discussion, to be varied at the discretion of the Council, with the name of the proposer of the question, and the class of members to which he belongs.

IV. All questions for discussion must be proposed by Members, Corresponding Members, or Associates of the Institution ; be first delivered to the Secretary, and by him submitted to the Council, who shall decide upon the adoption of those that are suitable and in accordance with the objects of the Institution.

V. A Circular Letter shall be sent to all the country members at the commencement of each session, with a list of questions that are appointed for discussion at the ordinary meetings of the Institution, requesting communications from the Members, Corresponding Members, and Associates on them.

A similar Letter shall also be transmitted about the middle of the session, with the addition of any new questions that may have been brought forward and accepted : and at the end of the session, a list of questions shall also be sent to all the Members, Corresponding Members, and Associates, in order to collect information during the recess. Each Letter shall contain a list of the written communications that have been made to the Institution.

VI. Each Member, Corresponding Member, and Associate, is expected to insert his name in a book kept for this purpose, whenever he attends at the room of the Institution, whether at a regular meeting of the Society, or at any other times, and also the name and residence of any visitor he may introduce.

VII. The Minutes of conversation that are taken by the Secretary, shall be carefully pasted in a book in the order in which they occur, that Members, Corresponding Members, and Associates may have easy access to them, and that they may also be preserved as the original records of the Transactions.

VIII. It is expected that any gentleman addressing the meeting shall stand for this purpose, in order to prevent interruption, and to command the attention of the meeting; and the person first rising shall have the precedence in speaking, upon which, if there is any doubt, the Chairman shall decide.

IX. No persons, but Members, Corresponding Members, Associates, and Honorary Members, can be allowed, on any pretence, to peruse any of the books, papers, or records belonging to the Institution, except by permission of the Council, to whom a letter must be addressed through the Secretary, stating the precise object of the application.

X. That the names of Candidates proposed, and of those by whom they are proposed, and the names of new Members, Corresponding Members, and Associates, be inserted in the weekly Circular Letters, with the date of the admission of such Members, Corresponding Members, and Associates, as soon as they have complied with the rule by which their election is confirmed.

XI. No person can be eligible to be chosen as a Member who is under the age of twenty-one years; and no person can be eligible to fill any office in the Institution, who is under the age of twenty-five years.

XII. That any Member, Corresponding Member, Associate, or Honorary Member, who may have occasion to designate his connexion with the Institution, in print or otherwise, shall state the Class to which he belongs.

APPENDIX

TO THE REGULATIONS.

FORM, A.

A. B. [*here state the Christian name, Surname, and usual place of residence, with the qualifications of the Candidate.*]

being desirous of admission into the Institution of Civil Engineers, we, the undersigned, from our personal knowledge, propose and recommend him as a proper person to become a thereof.

Witness our hands, this day of 18 .

FORM, B.

SIR,

I beg to inform you, that on ————— you were elected a [*as may be*] of the Institution of Civil Engineers. But in conformity with the Regulations thereof, your election cannot be confirmed until the enclosed form be returned with your signature, and until your first annual contribution be paid, the amount being —————, and which unless paid within two months the election is void.

You will therefore be good enough to cause the same to be done.

I am, Sir,

Your obedient humble Servant,

————— Secretary.

* * The annual subscriptions become due on the first of January, and are to be paid in advance.

FORM, C.

I, the undersigned, being elected a [] of the Institution of Civil Engineers, do hereby promise that I will be governed by the Regulations of the said Institution, as they are now formed, or as they may hereafter be altered, amended, or enlarged. And that I will advance the objects of the said Institution as far as shall be in my power, and will attend the usual meetings thereof as often as I conveniently can. Provided that whenever I shall signify in writing to the Secretary for the time being, that I am desirous of withdrawing my name therefrom, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Witness my hand, this day of 18 .

FORM, D.

SIR,

It is my duty to acquaint you, that by a determination of the Institution of Civil Engineers, pursuant to their Regulation Number 12, Section III., you are no longer a member of that Body.

I am, Sir,

Your obedient humble Servant,

————— Secretary.

FORM, E.

SIR,

The Council of the Institution of Civil Engineers have directed me to inform you,

that your contribution thereto has been in arrear since _____, the amount being _____.

I have therefore to request that you will order the payment thereof.

I am, Sir,

Your obedient humble Servant,

_____ Secretary.

FORM, F.

We whose names are hereunto subscribed submit to the Council of the Institution of Civil Engineers, the propriety of transferring *A. B.* from the Class of _____ in which he was elected, to the class of _____ Members, because, &c., &c.

Witness our hands, this _____ day of _____ 18 _____.

C H A R T E R
OF
I N C O R P O R A T I O N .

JUNE 3, 1828.

Charter.

GEORGE THE FOURTH, by the Grace of God, of the United Kingdom of Great Britain and Ireland King, Defender of the Faith: To all to whom these presents shall come, Greeting:

WHEREAS *Thomas Telford*, of Abingdon Street, in our city of Westminster, Esquire, a Fellow of the Royal Societies of London and Edinburgh, and others of our loving subjects, have formed themselves into a Society for the general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in nature for the use and convenience of man, as the means of production and of traffic in states both for external and internal trade, as applied in the construction of roads, bridges, aqueducts, canals, river navigation, and docks, for internal intercourse and exchange, and in the construction of ports, harbours, moles, breakwaters and lighthouses, and in the art of navigation by artificial power for the purposes of commerce, and in the construction and adaptation of machinery, and in the drainage of cities and towns: And have subscribed and collected considerable sums of money for those purposes: And We have been besought to grant to them, and to those who shall hereafter become members of the same Society, our Royal Charter of Incorporation, for the purposes aforesaid:

NOW KNOW YE, that We, being desirous of encouraging a design so laudable and salutary, of our especial grace, certain knowledge, and mere motion, have willed, granted, and declared : And do by these presents, for us, our heirs and successors, will, grant, and declare, that the said *Thomas Telford*, and such others of our loving subjects as have formed themselves into and are now members of the said Society, or who shall at any time hereafter become members thereof, according to such regulations or bye-laws as shall be hereafter framed or enacted, shall, by virtue of these presents, be the members of, and form one Body Politic and Corporate, for the purposes aforesaid, by the name of “THE INSTITUTION OF CIVIL ENGINEERS;” by which name they shall have perpetual succession, and a common seal, with full power and authority to alter, vary, break, and renew the same, at their discretion ; and by the same name to sue, and be sued, implead, and be impleaded, answer, and be answered unto, in every court of us, our heirs and successors ; and be for ever able and capable in the law, to purchase, receive, possess, and enjoy to them and their successors, any goods and chattels whatsoever, and also be able and capable in the law (notwithstanding the statutes of mortmain) to take, purchase, possess, hold and enjoy to them and their successors, a Hall, and any messuages, lands, tenements, or hereditaments whatsoever, the yearly value of which, including the site of the said Hall, shall not exceed in the whole the sum of one thousand pounds, computing the same respectively at the rack-rent which might have been had or gotten for the same respectively at the time of the purchase or acquisition thereof ; and to act in all the concerns of the said body politic and corporate for the purposes aforesaid, as fully and effectually to all

intents, effects, constructions, and purposes whatsoever, as any other of our liege subjects, or any other body politic or corporate in our United Kingdom of Great Britain and Ireland, not being under any disability, might do in their respective concerns. And We do hereby grant our especial licence and authority unto all and every person and persons, bodies politic and corporate, (otherwise competent,) to grant, sell, alien, and convey in mortmain, unto and to the use of the said Society, and their successors, any messuages, lands, tenements, or hereditaments, not exceeding such annual value as aforesaid. And our will and pleasure is, and We further grant and declare, that there shall be a General Meeting of the members of the said body politic and corporate, to be held from time to time, as hereinafter mentioned, and that there shall always be a Council, to direct and manage the concerns of the said body politic and corporate; and that the general meetings and the council shall have the entire direction and management of the same, in the manner, and subject to the regulations, hereinafter mentioned. But our will and pleasure is, that at all general meetings, and meetings of the council, the majority of the members present, and having a right to vote thereat respectively, shall decide upon the matters propounded at such meetings, the person presiding therein having, in case of an equality of numbers, a second or casting vote. And We do hereby also will, grant, and declare, that the council shall consist of a President, four Vice-Presidents, and not more than fifteen, nor less than seven other members, to be elected out of the members of the said body politic and corporate; and that the first members of the council, exclusive of the President, shall be elected within six calendar months after the date of this our Charter; and that the said *Thomas*

Telford shall be the first President of the said body politic and corporate. And We do hereby further will, grant, and declare, that it shall be lawful for the members of the said body politic and corporate, hereby established, to hold general meetings once in the year, or oftener, for the purposes hereinafter mentioned, (viz.); That the general meeting shall choose the President, Vice-Presidents, and other members of the council; that the general meetings shall make and establish such bye-laws as they shall deem to be useful and necessary for the regulation of the said body politic and corporate, for the admission of members, for the management of the estates, goods and business of the said body politic and corporate, and for fixing and determining the manner of electing the President, Vice-Presidents, and other members of the council, and the period of their continuance in office; as also of electing and appointing a Treasurer, two Auditors, and two Secretaries, and such other officers, attendants, and servants, as shall be deemed necessary or useful for the said body politic and corporate; and such bye-laws from time to time shall or may alter, vary, or revoke, and shall or may make such new and other bye-laws as they shall think most useful and expedient, so that the same be not repugnant to these presents, or to the laws and statutes of this our Realm; and shall and may also enter into any resolution, and make any regulation, respecting any of the affairs and concerns of the said body politic and corporate, that shall be thought necessary and proper. And We further will, grant, and declare, that the council shall have the sole management of the income and funds of the said body politic and corporate, and also the entire management and superintendence of all the other

affairs and concerns thereof; and shall or may, but not inconsistently with, or contrary to the provisions of this our Charter, or any existing bye-law, or the laws and statutes of this our Realm, do all such acts and deeds as shall appear to them necessary or essential to be done, for the purpose of carrying into effect the objects and views of the said body politic and corporate. And We further will, grant, and declare, that the whole property of the said body politic and corporate shall be vested, and we do hereby vest the same solely and absolutely in the members thereof, and that they shall have full power and authority to sell, alienate, charge or otherwise dispose of the same, as they shall think proper; but that no sale, mortgage, incumbrance, or other disposition of any messuages, lands, tenements, or hereditaments, belonging to the said body politic and corporate, shall be made, except with the approbation and concurrence of a general meeting. And We lastly declare it to be our Royal will and pleasure, that no resolution, or bye-law, shall on any account or pretence whatsoever be made by the said body politic and corporate in opposition to the general scope, true intent, and meaning of this our Charter, or the laws or statutes of our Realm; and that if any such rule or bye-law shall be made, the same shall be absolutely null and void, to all intents, effects, constructions, and purposes whatsoever. In witness whereof We have caused these our Letters to be made Patent. Witness Ourselves at our Palace of Westminster, this third day of June, in the ninth year of our reign.

By Writ of Privy Seal.

SCOTT.