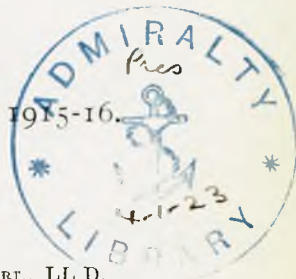


INSTITUTE OF MARINE ENGINEERS
INCORPORATED.

SESSION



President: SIR ARCHIBALD DENNY, BART., LL.D.

VOLUME XXVII.

TWENTY-SEVENTH ANNUAL
REPORT & FINANCIAL STATEMENT

SUBMITTED AT

THE ANNUAL MEETING

On Friday, March 31st, 1916, at 7 p.m., in the New Premises,
The Minories, Tower Hill, London, E.

ADDITIONS TO LIBRARY AND PROPERTY.

LIST OF MEMBERS.

PAPERS READ

AND

DISCUSSIONS HELD DURING THE SESSION.

Edited by THE HON. SECRETARY.

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

SESSION



1915-16.

President : SIR ARCHIBALD DENNY, BART., LL.D.

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Hon. Secretary : JAS. ADAMSON.

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Vice-Chairman : H. A. RUCK-KEENE.

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J. G. HAWTHORN.
G. A. MANNELL
F. M. TIMPSON.

THOS. McLELLAN.
ALFRED ROBERTSON.
W. T. SEATON.
J. H. SILLEY.

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JAS. ADAMSON, Awards.
ROBT. BALFOUR, Employment.

JOHN CLARK }
ALF. ROBERTSON } Experimental.
A. H. MATHER, Finance.

J. G. HAWTHORN, Junior Section.
A. E. BATTLE, Library and Reading Room.

H. A. RUCK-KEENE }
W. T. SEATON } Papers.

E. W. GREEN, }
JOSEPH BLACKETT, } Property.

B. P. FIELDEN, }
THOS. McLELLAN, } Social and Annual
Dinner.

JAMES ADAMSON, Titanic Engineering Staff Memorial Fund.

J. A. MANNELL, }
F. M. TIMPSON, } Issue of
Transactions.

Advisory Committee of the Board of Trade, Representative—JAS. SHANKS.

Hon. Auditors—J. CLARK and A. ROBERTSON.

Hon. Solicitor—W. E. ARCHER.

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GEO. ARTHUR (Sea Service).
F. J. BLAKE, R.D., R.N.R. (Southampton).
ALEX. BOYLE (London).
W. J. WILLETT BRUCE, R.N.R. (Liverpool).
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JAS. S. CAIRNS (Japan).
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JOHN CLARK (London).
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JOHN DEWRANCE (London).
J. FALCON (London).
T. R. FERGUSON (Canada).
SIR A. SEALE HASLAM (Derby).
J. HOWDEN HUME (Glasgow).
J. H. ROSENTHAL KEMNAL (London).

J. L. LESLIE (Calcutta).
ROBT. LESLIE, R.N.R. (London).
JAS. MACARTNEY (New South Wales).
JAS. MACDONALD (China).
JOHN McLAREN (London).
J. T. MILTON (London).
JAS. PEACOCK (London).
T. PUTNAM, J.P. (Darlington).
JAS SHANKS (London).
GEO. SLOGGETT (Cardiff).
WILLIAM SMART (New Zealand).
A. N. SOMERSCALES (Hull).
JAS. STEWART (Newcastle-on-Tyne).
ALEX. TOUGH (Sea Service).
WILLIAM WEIR (Glasgow).

INSTITUTE OF MARINE ENGINEERS INCORPORATED.



SESSION

1915-16.

President: SIR ARCHIBALD DENNY, BART., LL.D.

VOL. XXVII.

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INSTITUTE OF MARINE ENGINEERS
INCORPORATED.

SESSION



1915-16.

REPORT OF THE PROCEEDINGS

AT THE

ANNUAL MEETING

Held in the New Premises

THE MINORIES, TOWER HILL,
LONDON, E.

On FRIDAY, MARCH 31st, 1916.

Chairman: SIR J. F. FLANNERY, Bart., M.P.

PRESIDENT:

SIR ARCH. DENNY, BART., LL.D.

INSTITUTE OF MARINE ENGINEERS
INCORPORATED 1889.

Programme of the
Twenty-seventh Annual Meeting

ON FRIDAY, MARCH 31st, 1916,

HELD IN THE NEW PREMISES,

THE MINORIES, TOWER HILL,
LONDON, E.

President: SIR ARCH. DENNY, BART, LL.D.

Chairman: SIR J. FORTESCUE FLANNERY, BART., M.P.

The CHAIRMAN.

Appointment of Scrutineers.

Proposer, MR. F. O. BECKETT.
Seconder, MR. D. DONALDSON.

The Annual Report.

The HON. SECRETARY.

The Financial Statement.

The HON. TREASURER.

Adoption of Reports.

Proposer, MR. JAS. MACDONALD.
Seconder, MR. FARNDEN.

Vote of thanks to retiring President.

Proposer, MR. A. BOYLE.
Seconder, MR. P. T. CAMPBELL.

Vote of thanks to Office Bearers and
Members of Council.

Proposer, MR. C. J. WELLS.
Seconder, MR. J. C. TURPIN.

Response, The CHAIRMAN OF COUNCIL.

Vote of thanks to and Appointment
of Hon. Solicitor (MR. W. ARCHER.)

Proposer, The VICE-CHAIRMAN OF
COUNCIL.

Seconder, MR. J. G. HAWTHORN.

Vote of thanks to and Appointment
of Hon. Auditors (MESSRS. J. CLARK
and A. ROBERTSON).

Proposer, The HON. TREASURER.
Seconder, The HON. SECRETARY.

Report of Scrutineers.

MESSRS. W. EAENSHAW and E. W. ROSS.

Recommendations and Suggestions
from Members.

Vote of thanks to the Chairman.

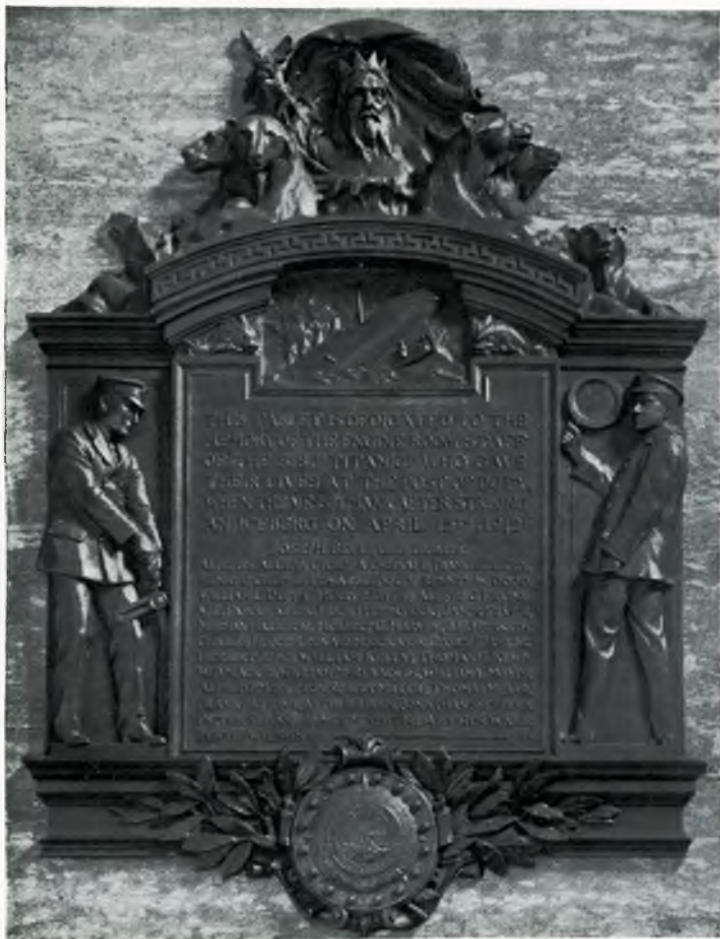
Proposer, MR. W. McLAREN.
Seconder, MR. O. B. RICHARDSON.

THE "TITANIC" ENGINEERS MEMORIAL TABLET IN THE INSTITUTE. (Unveiled 31st March, 1916.)

(Designed and Sculptured by George Alexander).

The inscription on the tablet is as follows:—

"This tablet is dedicated to the memory of the engine-room staff of the S.S. *Titanic*, who gave their lives at the post of duty when the vessel sank after striking an iceberg on April 15th, 1912."



Joseph Bell, Chief Engineer.

Alfred S. Allsop, George A. Chisnall, Francis E. G. Coy, Henry P. Creese,
Edward C. Dodd, Renney W. Dodd, William L. Duffy, Henry R. Dyer,
Albert G. Ervine, W. E. Farquharson, Hugh Fitzpatrick, James Fraser,
Norman Harrison, Herbert G. Harvey, J. H. Hesketh, Charles Hodge,
Leonard Hodgkinson, George F. Hosking, Herbert Jupe, William Kelly,
Thomas H. Kemp, W. D. Mackie, William McReynolds, William Y. Moyes,
Alfred P. Middleton, Robert Millar, Thomas Millar, Frank A. Parsons,
Arthur J. Rous, Jonathan Shepherd, Peter Sloan, James M. Smith,
Arthur Ward, Bertie Wilson.



THE "TITANIC."

SESSION



1915-16.

President : SIR ARCHIBALD DENNY, BART., LL.D.

Minutes of Proceedings

OF THE

Annual Meeting

*HELD AT THE MINORIES, TOWER HILL,
LONDON, E.,*

ON FRIDAY, MARCH 31, 1916.

CHAIRMAN : SIR J. FORTESCUE FLANNERY, BART., M.P.

Before proceeding to the large Lecture Hall, where the Annual Meeting was held, Sir Fortescue Flannery, M.P., Past President of the Institute, who presided as chairman in the unavoidable absence of Sir Archibald Denny, retiring President, performed the ceremony of unveiling the *Titanic* Engineers' Memorial, a bronze tablet in bas relief which had been recently fixed in the entrance hall of the Institute, in commemoration of the engineering staff of the *Titanic*, who died at the post of duty. Sir Fortescue Flannery spoke as follows :—

Brother members of the Institute of Marine Engineers, I have been asked on this occasion of our Annual Meeting, and before beginning same, to perform on your behalf and on

my own, the ceremony of unveiling this memorial, which we have erected in what is, perhaps, the most prominent position in our Entrance Hall to the memory of our brothers, who lost their lives in the *Titanic*, now a considerable time ago. You will remember, as the whole world must remember, the terrible disaster which led to the loss of so many valuable lives. We have in no wise forgotten, but our recollection has been perhaps to some degree overcast by the horrors and the loss of life which have occurred since. Men have fallen, giving their lives for their country; they have fallen resignedly, even willingly, knowing that they were doing their duty. But we engineers will ever remain grateful to the memory of these our brothers, who gave their lives in the performance of their duty, as truly performing it and as bravely dying as those valiant men who have died at the front in this terrible war. I do not know of any position calling upon more steadfast bravery, coolness and courage than that of the engineer on watch at the moment of disaster, whether by collision or otherwise. When we see this tablet, recording the names of those who lost their lives so heroically some three or four years ago, we shall also think of those others who have so recently lost their lives in their country's cause, the engineers of both the Merchant and the Royal Navy, who stood bravely at the post of duty when called upon to do so. So in your name I unveil this memorial—we shall ever cherish the recollection of those whose names it records.

The covering veil was then removed, and the meeting was opened in the Lecture Hall.

The CHAIRMAN: I have no speech to make to you, as this is an occasion not for speech-making, but for business. I am exceedingly sorry that our President, Sir Archibald Denny, is not able to be present, and I am sure that he is very sorry himself, because no President of our Institute has more closely attended to his duties or shown more interest in the affairs of the Institute than Sir Archibald Denny, and therefore we are all very sorry that he is not here. We will now proceed to the business before us, the first item being the appointment of scrutineers.

Mr. F. O. Beckett then proposed and Mr. D. Donaldson seconded the appointment of Messrs. E. W. Ross and Wm. Earnshaw, who were agreed to, and accepted.

The CHAIRMAN: The next business is the reading of the Annual Report by our Hon. Secretary.

The HON. SECRETARY: Before reading the Annual Report, I am very pleased to announce that we have here with us to-night two of our members from overseas, Mr. Jas. Macdonald from China, and Mr. Wm. Earnshaw from New Zealand, who will each take part in the proceedings. It is very interesting to have at our annual meeting these representatives present with us, and very gratifying to us all to be able to welcome them here to-night. I will now proceed with the Annual Report.

Annual Report.

It is gratifying to note that after a year's experience in our New Premises, the attendance of members has been fairly good, despite the conditions which have prevailed and the demands made by the requirements of the Imperial Service upon all branches of engineering, particularly marine.

Many of our members enlisted in the Land Forces during the earlier stages of the war, a large number have been engaged in the Admiralty, Transport and Auxiliary Services and several are serving in the Royal Navy.

The central situation of the New Premises has made it more convenient for members and visitors to call when in London.

The membership has gradually increased, and at the close of the Financial Year, on January 31st, 1916, it stood as follows:—

MEMBERSHIP.	Jan. 31, 1915.	Transfers from to		Elected	Died.	Re- signed.	Lapsed.	Jan. 31, 1916.
Past Presidents (Non-Members), Hon. Vice-Presidents and Hon. Members	12	—	—	1	—	—	—	13
Members	1,196	—	6	100	14	7	26	1,255
Associate Members	60	6	5	6	1	—	2	62
Associates	53	5	1	3	1	—	2	49
Graduates	62	1	—	3	1	—	—	63
Companions	75	—	—	3	—	—	2	76
Probationary	9	—	—	—	—	—	6	32
Totals	1,467	12	12	116	17	7	38	1,550

Subtracting lapsed, deceased and resigning members from the 1916 total, the net increase during the year is 83. The increase from the various grades will be noticed in the tabulated figures. The year 1914-15 showed a net increase of 59 over the previous

year. Included among those in the column headed "lapsed" are many members whose papers have been returned with the remark "not known at the address given." The names have been retained on the lists, from two to three years in arrears, efforts being made meantime to get into touch with those who have thus failed to notify change of address.

The losses by death amount to 17 and include the following:—

MR. JOSEPH HALLETT (Chairman of Council).

MR. E. BETHELL (Member).

MR. C. H. BODDEX (Member).

MR. ARCHD. BLAIR (Member).

MR. F. W. PENDER (Member).

MR. WM. G. MCINTYRE (Member).

MR. A. C. MORGAN (Member).

MAJOR H. R. CHAPMAN (Member).

MR. JAS. CONNER (Member).

MR. ALEXR. BROWN (Member).

MR. G. S. KNIGHT (Member).

MR. GEORGE P. LEE (Member).

MR. GEORGE F. AMOR (Member).

MR. STANLEY HOGG (Associate-Member).

MR. W. J. RIGBY (Associate).

Captain ROBT. J. WALKER (Graduate).

MR. A. H. GIFFEN (Member).

The sympathy of the Institute has been expressed to the relatives of these members, several of whom have fallen in the Imperial Service as noted in the obituary paragraphs.

AWARDS.—The following subjects were set for Papers or Essays, but only two were competed for as noted:—

SEA-GOING MEMBERS (SIR ARCHIBALD DENNY'S AWARD).

—Subject, "Hints and deductions from practical experience, which may be useful towards improving ship and engine design. Reports upon consumption of coal and/or water per I.H.P. per hour" was not competed for.

ASSOCIATE MEMBERS.—Subject, "The Sequence of Cranks in multiple expansion engines and the balancing of powers" was also not competed for.

ASSOCIATES.—Subject, “Nominal, Indicated, Brake and Shaft Horse Power, how ascertained and their relation to one another,” won by “Tea Kettle” (Mr. James Watt, Graduate), value awarded £2.

GRADUATES.—Subject, “The Thrust Shaft. Its relation to the work and the power transmitted. Design of an ideal thrust block, with description of details,” 1, Mr. C. P. Tamer (Helix), award value £2; 2, Mr. D. Langharne-Thornton (Alexr. Gewain), award value £1.

OPEN COMPETITION.—“The Refrigerator. Different systems and their adaptability for various services on ship-board,” not competed for.

LLOYD'S REGISTER SCHOLARSHIPS.—No examination was held during 1915, as most of the engineering apprentices, for whose benefit the scholarship was intended, are engaged on National Service. As it was decided to postpone the examination for these scholarships during the war, the amount of the scholarship, viz., £50 per annum for two years, has therefore, with the approval of Lloyd's Register, been held over in the interim allowing the scholarships to accumulate, and the names of accepted candidates have meantime been retained.

JUNIOR SECTION.—The room set apart for the Junior Section is open for the use of Graduates and Associates, books, magazines, models, &c., being provided specially for their service.

THE LIBRARY AND READING ROOM have been maintained for the service of visitors, and are available during the day or evening hours. The list of books, papers, and magazines is given on a following page.

PAPERS AND DISCUSSIONS.—The programme of the Session with dates and other details is given on a following page. Nine papers have been contributed during the Session.

THE PROPERTY OF THE INSTITUTE, at 58, Romford Road, Stratford, is let to the North West Ham Conservative Association and Club, and is insured against special War Risk. The furniture, books, and property in the New Premises have been officially valued, and insurance has been effected for the

amount. The sums on which Insurance Policies have been arranged are as follows:—

Freehold Premises at 58, Romford Road, Stratford	...	£1,500
(Fire and Aircraft.)		
Leasehold Premises, The Minories, Tower Hill	... ..	£9,000
(Fire and Aircraft.)		
Furniture, books, etc., in Tower Hill Premises	... ..	£1,600
(Fire and Aircraft.)		

REPRESENTATIVES.—The Chairman of Council was nominated by the Council to serve on the Committee in connection with the Advisory Council, appointed by the Board of Education for Industrial and Scientific Research, of which Sir Wm. McCormack is Chairman. Mr. J. Shanks was nominated to represent the Institute on the Advisory Committee of the Board of Trade, to succeed Mr. Joseph Hallett. The Board of Trade desired the Council of the Institute to express an opinion on the formulation of a more definite basis for the calculation of Nominal Horse Power than is at present in use, and the matter is still under consideration. Mr. Alexr. Boyle has been appointed as our representative on the Committee formed by the Institute of Metals to conduct Research Work on the corrosion of metals. Mr. J. S. Blackett, Member at San Francisco, was appointed to attend the International Engineering Congress at San Francisco, September 20/25, 1915.

THE TRANSACTIONS have been issued to members each month containing papers and discussions, selected essays and other engineering matter of special interest. Bound volumes have been supplied to Libraries and kindred Societies (with whom Transactions are exchanged) and also to members and others who require them in this form.

THE "TITANIC" ENGINEERING STAFF MEMORIAL FUND.—The privileges of this Fund, which provides for the admission of an orphan to the Royal Merchant Seamen's Orphanage, at Snaresbrook, was not taken advantage of this Session, as no eligible case was submitted. The sum of £80 was, however, contributed to the Orphanage, as formerly arranged. Members who know suitable cases are requested to report these to the Committee.

The Council, in appreciation of Lord Fisher's work in the Royal Navy and his efforts to obtain a higher recognition of the Marine Engineer, elected His Lordship an Hon. Member of the

Institute. An address on vellum was presented to him by the Council, signed by the President, past Presidents, Chairman and Hon. Secretary of the Institute. A *facsimile* of the letter of acceptance received from Lord Fisher appeared in the April issue of Transactions. The original of this letter and a *facsimile* of the address are framed and can be seen in the Library.

In the early part of the year, in order to render some little assistance to the country in a time of national crisis, the Council offered to place the whole of the Institute Premises at the disposal of the Admiralty, and subsequently of the War Office, for use as a Hospital, or for other official purposes.

The Assistant-Secretary, Mr. Norman Stewart, is still serving as Serjeant in the Seaforth Highlanders, and has now been at the Front for six months.

The members will realise that the expenses connected with the City Premises are necessarily greater than they were at Stratford, and while every endeavour is being made towards economy, consistent with the work of the Institute, the Council invite the co-operation of every member to increase the membership in every way possible.

On behalf of the Council,

JAMES ADAMSON,

Hon. Secretary.

OBITUARY NOTICES.

GEORGE AMOR (Member) who died in October, 1914, at home, after undergoing a severe operation, was for some time employed in his father's business at Limekiln Dry Dock, London, and after the business was given up, was connected for a time with a coal agency in the Richmond district, subsequently, and for three or four years previous to his death, Mr. Amor acted as General Manager to the Kattendyk Engineering and Ship Repairing Works at Antwerp. He became a member of the Institute in 1911.

EDWIN BETHELL (Member) entered the service of the P. & O. S.N. Co. in 1888, becoming Chief Engineer in 1898. During the Boer War he was on active service, doing transport work. He subsequently became chief engineer of the SS. *Caledonia*, and his name is associated with the record runs of that vessel in carrying the Indian mails. He remained on her when she was chartered for pleasure cruises in the Mediterranean and the North Sea. Mr. Bethell, who served 34 years with the P. & O., was afterwards appointed to the *India*, and took up a commission when this boat was transferred to Government service as an auxiliary cruiser. The *India* was unfortunately torpedoed in neutral waters in the North Sea, on August 8th, 1915, and Mr. Bethell was among those who lost their lives in the service. He was 54 years of age, and was elected a member of the Institute in 1895. One of his sons is in the service of Messrs. White & Co., the other enlisted in the 20th County of London Regiment now at the front.

ARCHIBALD BLAIR (Member) who died suddenly at his residence in London on the 18th December, 1915, aged 75, was the third son of Captain A. Blair, for many years captain of the R.N.Y.C. commodore's yacht *Orion*. He served his apprenticeship in Messrs. Scott's Foundry, Greenock, and afterwards worked in Messrs. Rankin & Blackmore's. During his sea experience and while he was chief engineer, he was engaged in a steamer running the blockade during the American war. His last steamer was the *Scotland* (Messrs. Temperley). He was appointed from this ship as manager to Messrs. Lester & Perkins, Royal Albert Dock, and after thirteen years with this firm he received the appointment of superintendent Engineer to the Anglo-American Oil Co., Ltd., retiring in 1904. During this

period, the SS. *Narragansett* and other tank steamers were designed and constructed under his supervision. Mr. Blair was also a member of the Institute of Naval Architects. He was twice married, his second wife surviving him.

C. H. BODDEY (Member).—The name of C. H. Boddey is another of our members added to the Empire's tragic roll of honour. Mr. Boddey, who became a member of the Institute in 1911, was standing by in the Fairfield Shipyard during the building of the SS. *Heliopolis*, afterwards the *Royal George*, and sailed in that vessel as second engineer on her maiden voyage. He was subsequently promoted to chief engineer on the SS. *Cairo*, afterwards the ill-fated *Royal Edward*, and was amongst those who lost their lives when she was torpedoed on the 14th August, 1915. His loss is much regretted by his Company, who esteemed him as a thoroughly efficient engineer officer. Our deepest sympathy is extended to Mrs. Boddey and to the other members of his family.

ALEXANDER BROWN (Member) who died on the 11th March, 1915, was born at Leith, January, 1836, and was educated at the Normal School Edinburgh. He served an apprenticeship with his father as a blacksmith at Queensferry, and afterwards as an engineer with Messrs. Morton, Leith. His sea experience was gained in steamers engaged in the North Sea, Baltic, and White Sea trades, and he obtained his chief engineer's certificate in 1864. A few years later he settled at Southampton in the employment of Messrs. Day, Summers & Co., as leading hand and outside foreman. In 1876 he received the appointment of Supt. Engineer to the Isle of Wight Steam Packet Co., from the activities of which he retired in 1910, but retained his connection with the Company as consulting engineer. When the Southampton members of the Institute had a centre where papers were read and a library and reading room were in operation, Mr. Brown was an active supporter of it. He was elected a member of the Institute in 1894.

Major H. R. CHAPMAN (Member) who was killed in action in France on the 27th June, 1915, was the eldest son of the late Captain Abel H. Chapman (19th Hussars), Chairman-Director of Messrs. Clarke, Chapman & Co., Gateshead. Major Chapman was educated at Uppingham, and entered the Company's works in the year 1891, becoming a director in 1893. He was keenly interested in a Volunteer Corps—largely composed of men of the works—the 1st Durham Royal Engineers, and of

which he became Major, resigning with that rank on leaving Gateshead. He became a member of this Institute in 1911. He was also a member of the North East Coast Institution of Engineers and of the Institution of Naval Architects. On the outbreak of war, Major Chapman volunteered his services, and he was appointed Major of the 10th Battalion Durham Light Infantry Force, which was sent out to France in May, 1915. He leaves a widow and three daughters.

JOSEPH CONNER (Member) died on the 16th March, 1915, after a long illness, at the early age of 42. He served his apprenticeship with the Central Marine Engineering Works, West Hartlepool, gaining experience in the yard and drawing office and also in the repairing shop. He served the firm of Messrs. L. R. Conner & Co. for twenty years, acting as third, second, and chief engineer respectively, and finally during the last six years as superintendent engineer. He was well known and much esteemed in West Hartlepool. His widow survives him.

A. H. GIFFEN (Member) who joined the Institute in 1904, was born and educated at Campbeltown. After serving his apprenticeship and gaining some further experience on shore, he joined the service of the British India S.N. Co., and after being on the Indian Coast for some years he was appointed to a steamer on the home line, and was second engineer of the *Waipara*, also of the *Dilwara*. He returned to the Indian Coast and sailed as chief engineer. He was in the *Catherine Apcar*, and sailed from Bombay to Basra; on the return voyage he was lost overboard on December 26th, 1915, to the great regret of his many friends.

STANLEY HOGG (Associate), whose death from heart failure, took place at Aden on the 19th September, 1915, was born at Gravesend in April, 1872. His apprenticeship was served with Messrs. Denny Bros., of Dumbarton, and at its termination he entered the employment of the B.I.S.N. Company, in whose service he remained to the last. He was chief engineer of the SS. *Okara* when his death took place. The end was undoubtedly accelerated by the frequent attacks of malaria from which he had suffered for many years. He was a son of the late Captain Hogg, who was much esteemed and well known as a pilot for many years on the Thames.

GEORGE S. KNIGHT (Member) who died suddenly on October 16th, 1915, was elected a member in 1912. He was the head of

the firm of Messrs. Mills & Knight, whose dry dock and repairing works are on the banks of the Thames. He served his apprenticeship with his father, who was one of the founders of the firm, and subsequently became manager. He was a Justice of the Peace, City of London, and took an active interest in religious and philanthropic work. He was highly esteemed in the business circle within which he was associated.

GEORGE P. LEE (Member) was born at Christchurch, New Zealand, served his apprenticeship and was educated there. His parents were farmers, and were associated with the early coaching days of the Colony. Mr. Lee came to England in the later eighties, serving with Messrs. Shaw Saville, Watt Watts and other companies. He gained his extra first-class Board of Trade certificate in 1901, being one of the first three colonials to attain this grade. He filled various shore appointments, serving with the B.T.H. Turbine Department, and with the Westminster Electric Supply, Horseferry Road Station. He was also engineer-director of the Harvey Electro-Chemical Co., and at the time of his death was engineer-manager to the Auto-Vacuum Refrigerating Co., Ltd. Mr. Lee became a member of the Institute in 1906, and was also an Associate-Member of the Institute of Civil Engineers, and of the Electrical Engineers. His death is deeply deplored, and much sympathy is felt with his widow and four young children, how have since returned to New Zealand.

Mr. Wm. G. McINTYRE (Member) died at Largs (Ayrshire) on the 25th July, 1915, five days after his arrival from Australia where he had been living twelve months in order to recuperate his health. His last most cherished wish, to die in the home of his boyhood, was thus fulfilled. He had served as a volunteer through the South African campaign and had contracted lung trouble which caused him to be more or less of an invalid since that time.

Mr. McIntyre's apprenticeship was served with Messrs. Scott & Co., Ltd., of Greenock; his sea service extended over a period of about six years, and he subsequently became engineer in charge to Messrs. Mackenzie & Co., of Tientsin. He had been a member of the Institute since 1911.

ARCHIBALD CAMPBELL MORGAN (Member) who joined the Institute in 1909, was born at Campbeltown in 1883. He was educated at the Grammar School there, and served his apprenticeship with The London & Glasgow Shipbuilding Co., Ltd. Mr. Morgan joined the British India Steam Navigation Co. in

1904, on the transport *Dunera*, afterwards serving on several of their steamers, chiefly on the Indian Coast. He obtained his chief engineer's certificate in Glasgow at the age of 23. His death, which took place at Alexandria, Egypt, on the 20th June, 1915, at the early age of 32, is much regretted. He was second engineer of the SS. *Umeta* at the time.

F. W. PENDER (Member) who joined the Institute in 1914, served his apprenticeship with Messrs. Cosens & Co., Ltd., of Weymouth, on the conclusion of which he joined the service of the P. & O. S. N. Co., afterwards transferring to Messrs. J. Jacobs & Co., of Cardiff, then to the Elder Dempster Line and the Canadian Pacific Co., passing steadily upward to the grade of chief engineer. He was acting as assistant engineer, R.N.R. on Admiralty service when he was killed at sea on the 31st October, 1915, while in the discharge of his duty.

WALTER JOHN RIGBY (Associate) joined the Institute in 1910. He was serving as Sub-Lieut.-Engineer, R.N.R., on H.M.S. No. 3 Special Service Squadron, when he was killed on duty, on the 31st May, 1915, by the bursting of a steam valve. Mr. Rigby served his apprenticeship at Messrs. Clover, Clayton & Co., Birkenhead. Of a cheery and happy disposition, he was greatly liked by all who knew him, and his loss is deeply deplored by a large circle of relatives and friends. He was unmarried.

ROBERT JARDINE WALKER (Graduate).—It is with regret that the name of this promising Graduate is placed on the list. He was killed in action in France at the age of 24. He had always been interested in military training and service, and joined the Air Line Co. of the Glasgow Engineers as a private. About four years ago he passed into the special reserve of officers, and was attached as lieutenant to the Second Gordon Highlanders. On the outbreak of war, he was sent to Aberdeen, where he did excellent service in training men. He was sent to France in January, 1915, and was soon after promoted to captain. After going through some of the heaviest fighting he was killed instantaneously by a shell whilst leading his men in the attack on the Germans near Hooze, on the 25th September, 1915. Captain Walker was mentioned by his commanding officer as "a great loss to the regiment, a most capable officer, and a great favourite with all." He joined the Institute as a Graduate in 1910, being at that time apprentice to Messrs. David Rowan & Co., of Glasgow, and gained awards for essays contributed in the Graduate section. He also stood well for the Lloyd's Register Scholarship in the competitive examination.

The HON. TREASURER: In presenting the accounts and balance sheet, it is also desirable to read the letter from the Chartered Accountants, as it gives a good idea of some of the special features worthy of attention and careful consideration. The letter is as follows:—

95, CANNON STREET, LONDON, E.C.

March 24th, 1916.

To the Members,

THE INSTITUTE OF MARINE ENGINEERS,

TOWER HILL, E.C.

GENTLEMEN,—

We have to report that we have examined and checked the Accounts of your Institute for the year ended 31st January, 1916.

The Revenue Account shows a loss of £328 5s. 7d. against a profit last year of £394 4s. 11d., a difference of £722 10s. 6d.

The Gross Revenue for the year is £1,477 2s. 10d. an increase of £77 0s. 5d., made up of the following decreases and increases:—

	Decreases.	Increases.
	£ s. d.	£ s. d.
Subscriptions		29 6 4
Interest		25 12 4
Transactions Section		0 16 3
Advertisements	43 18 0	
General Revenue		0 10 2
Experimental Department	2 0 0	
Rent receivable Stratford Property ...		66 13 4
	£45 18 0	£122 18 5
		45 18 0
Increase ...		£77 0 5

The Expenses charged to Revenue amount to £1,805 8s. 5d. as compared with £1,005 17s. 6d. an increase of £799 10s. 11d., made up as follows:—

	Decreases.	Increases.
	£ s. d.	£ s. d.
General Expenses		109 18 2½
Rent, Rates, Taxes, etc.		501 0 4
House Account		36 16 4
Insurance		11 0 1
Repairs and Alterations		98 12 8
Experimental Department	0 7 7	
Depreciation of Furniture	12 5 2	
Reading Room Expenses	2 12 9½	
Papers, Discussions, etc.	20 19 0	
Interest		5 0 0
Expenses of Annual Meeting		7 12 4
Transactions Section	0 16 6	
Lloyd's Register Scholarship	9 16 8	
Interest on Bank Loan		76 8 8
	£46 17 8½	£846 8 7½
		46 17 8½
Increase ...		£799 10 11

The Increase in Revenue—£77 0s. 5d. taken from the Increase in Expenditure—£799 10s. 11d. gives the figure—£722 10s. 6d. mentioned in the second paragraph.

The causes for the increase in the Expenditure are:—

1. The fact that the Institute is now in possession of the City Premises.
2. The payment of full salary to the Assistant Secretary while absent on Foreign Service, and the extra payments necessary to keep his work going.
3. Repairs and alterations to the Stratford Property.
4. Interest on Bank Loan.

The whole of the City Premises Fund has now been merged into the Institute Accounts.

The Furniture, Electric Fittings and Books in Library, at 31st January, 1916, are in accordance with a valuation recently made for Insurance purposes by Messrs. Henry Langston & Co.

The Institute hold a sum of £22 4s. 4d. belonging to the *Titanic* Memorial Fund. We have drawn up a Revenue Account of this Fund from its inception, and a Balance Sheet as at the 31st January, 1916. As there is a separate banking account for this Fund we would suggest that the £22 4s. 4d. be paid over to that account, and all future receipts and payments made through it.

The Investments remain at the market prices on the 31st January, 1913, subsequent Investments appearing at cost.

We have inspected the Title Deeds of the Freehold Property and the Lease of the City Premises, and have verified the Investments and the Balances at the Bank.

We have obtained all the information and explanations we have required. In our opinion the Balance Sheet of your Institute has been properly drawn up so as to exhibit a true and correct view of the state of the Institute's affairs according to the best of our information and the explanations given us and as shown by the books of the Institute.

We are, Gentlemen,

Yours faithfully,

WEST & DRAKE,
Chartered Accountants

THE INSTITUTE OF BALANCE SHEET, 31

Dr.

	LIABILITIES.	£	s.	d.	£	s.	d.
To Loan from Bank					2,000	0	0
„ Sundry Creditors—							
For Bank Interest		9	6	10			
„ Architect Fees		400	0	0			
„ Printing, &c.		296	12	8			
					705	19	6
„ Subscriptions in Advance					118	11	3
„ Denny Gold Medal Fund					271	7	10
„ Award					105	0	0
„ Stephens' Legacy Fund—							
Balance 31st January, 1915		102	6	10			
Add Interest		2	10	0			
					104	16	10
Less Awards		3	0	0			
					101	16	10
„ Library Account					30	13	6
„ Annual Dinner Account					12	1	4
„ Open Competition Account					0	2	0
„ Titanic Memorial Fund					22	4	4
„ Capital Account—							
Donations, Interest, &c., received on account of City Premises Fund		9,490	0	4			
Less Expenses of Appeal		154	8	6			
					9,335	11	10
„ Revenue Account—							
Balance 31st January, 1915		4,792	5	5			
Add Entrance Fees		109	6	10			
					4,901	12	3
Less Balance of Revenue Account		328	5	7			
					4,573	6	8
					£17,276	15	1

MARINE ENGINEERS.

31st JANUARY, 1916.

	ASSETS.	£ s. d.	Cr. £ s. d.
By Cash—			
At Bank on Current Account ..		257 2 5	
In Hand		4 15 6	
		<hr/>	261 17 11
.. Sundry Debtors for Advertisements, &c.			38 0 4
.. Investments—			
£968 13s. 6d. Consols 2½%		726 10 2	
£200 Transvaal 3% Stock		183 0 0	
£400 India 3% Stock		309 0 0	
£500 Local Loans		455 0 0	
£400 Metropolitan Water Board 3% Stock		322 0 0	
£491 Caledonian Railway 4% Stock ..		488 2 3	
£500 New South Wales		499 9 9	
		<hr/>	2,963 2 2
.. Freehold Buildings—			
58, Romford Road, Stratford ..			1,500 0 0
.. City Premises—			
Cost of Building		10,178 15 0	
Architect's, &c., Fees		813 8 0	
		<hr/>	10,992 3 0
.. Furniture—			
Balance 31st January, 1915		240 18 0	
Additions		836 10 6	
		<hr/>	
Less Sales		1,077 8 6	
		<hr/>	46 17 0
		<hr/>	1,030 11 6
.. Electric Fittings, Lamps and Lighting Apparatus, Bells, &c., throughout City Premises			164 0 0
.. Books in Library			300 0 0
.. Rates in advance			27 0 2
			<hr/>
			<u>£17,276 15 1</u>

REVENUE

Dr.

1st February, 1915, to

	£	s.	d.	£	s.	d.
To General Expenses :						
Bank Charges	0	18	5			
Postages and Telegrams	25	13	4			
Telegraphic Address	1	1	0			
Engrossing Certificates	2	2	0			
Stationery and General Printing	25	0	4			
Assistant Secretary's Salary	185	0	0			
Clerical Assistance	148	2	4			
Chartered Accountants' Fee	32	0	6			
Telephone	11	8	9			
Sundries	25	15	9			
Registrar of Joint Stock Companies Increase of Membership	3	0	0			
Refreshments	1	1	9½			
Removal Expenses	17	2	9			
				478	6	11
.. Rates, Taxes, etc. :						
Ground Rent	319	11	8			
Rates and Taxes	195	19	9			
Gas and Electricity	22	9	3			
Water	17	2	7			
				555	3	3
.. House Account :						
Caretaker	94	19	0			
Coal and Coke	18	19	0			
Cleaner's Wages	19	14	8			
Sundries	6	1	5½			
National Health Insurance	4	2	9½			
Window Cleaning	6	5	0			
				150	1	11
.. Insurance				14	19	1
.. Repairs and Alterations, Stratford Premises				100	0	0
.. Reading Room Expenses				18	0	4½
.. Papers and Discussions—Printing, &c.				357	13	2
.. Interest :						
Denny Gold Medal	10	0	0			
Denny Award	5	0	0			
Stephens' Legacy	2	10	0			
				17	10	0
.. Expenses of Annual Meeting				17	4	0
.. Transactions Section				15	17	0
.. Lloyd's Register Scholarship Expenses				4	4	0
.. Interest on Bank Loan				76	8	8
				£1,805	8	5

ACCOUNT.

31st January, 1916.

Cr.

						£	s.	d.	£	s.	d.
By Subscriptions :											
Members	..	..	..	..	..	1,183	11	2			
Associate Members	..	..	..	..	..	38	15	4			
Associates	..	..	..	..	..	19	9	10			
Graduates	..	..	..	..	..	9	10	0			
Companions	..	..	..	..	..	25	0	6			
						<hr/>					
,, <i>Less</i> Subscriptions in Advance—						£1,276	6	10			
Members	..	..	..	..	110	10	9				
Associate Members	..	..	..	..	3	16	0				
Associates	..	..	..	..	1	15	0				
Graduates	..	..	..	..	0	7	6				
Companions	..	..	..	..	2	2	0				
						<hr/>			118	11	3
									1,157	15	7
,, Interest :											
Consols 2½%	..	..	..	..	..	21	0	2			
Transvaal 3% Stock	..	..	..	..	..	5	2	0			
Local Loans	..	..	..	..	..	13	0	6			
India 3% Stock	..	..	..	..	..	10	8	3			
Metropolitan Water Board 3% Stock	..	..	..	..	..	10	14	0			
Deposit	..	..	..	..	..	24	15	5			
Caledonian Railway 4% Stock	..	..	..	..	..	17	14	3			
New South Wales 4% Stock	..	..	..	..	..	17	0	0			
						<hr/>			119	14	7
,, Transactions Section									16	12	10
,, Advertisements									114	9	0
,, Rent Receivable:											
Stratford Property	..	..	..	..	..				66	13	4
,, General Revenue:											
Billiards	..	..	..	..	..				1	17	6
Balance	..	..	..	..	..				328	5	7

 £1,805 8 5

LIBRARY ACCOUNT.

Dr.	£ s. d.	Cr.	£ s. d.
1916.			
Jan. 31, To Balance	30 13 6	By Balance from last Account	19 2 0
		1916.	
		Jan. 31, ,, Donations	11 11 6
	<u>£30 13 6</u>		<u>£30 13 6</u>

"TITANIC" ENGINEERING STAFF MEMORIAL (BENEVOLENT) FUND.
REVENUE ACCOUNT, 31st JANUARY, 1916.

	£ s. d.		£ s. d.
To Southampton "Titanic" Engineers' Memorial ..	300 0 0	By Donations	2,832 0 0
" Merchant Seamen's Orphanage	160 0 0	" Dividends on Investments	178 6 0
" Bank Charges	0 7 0	" Interest on Deposits	126 11 0
" Balance carried to Balance Sheet	2,676 10 0		
	<u>£3,136 17 0</u>		<u>£3,136 17 0</u>

BALANCE SHEET.

	£ s. d.	ASSETS	£ s. d.
To Balance of Revenue Account	2,676 10 0	By Investments at cost, viz. :—	
		£1,250 Lancashire & Yorkshire	
		3% Preference Stock	983 0 3
		" £1,000 Caledonian Railway 4%	
		Preference Stock	1,013 8 3
		" £500 New South Wales 4% Stock	
		502 12 0	
		—	
		2,499 0 6	
		.. Cash at Bank :—	
		Deposit Account	80 0 0
		Current Account	75 5 2
		—	
		155 5 2	
		.. Amount in hands of Institute of	
		Marine Engineers	22 4 4
	<u>£2,676 10 0</u>		<u>£2,676 10 0</u>

HON. TREASURER: Amongst the special points to which I would like to make further reference are one or two of the larger amounts which represent the costs of working as compared with former years at Stratford: Ground rent accounts for £319 11s. 8d., and rates and taxes amount to £195 19s. 9d. In regard to the latter, after discussion with the assessment authorities, we obtained a separate assessment for the basement distinct from the portion actually occupied by the Institute, and as long as the basement remains unlet we are free from the poor rate on it and also for half the general district rate.

I also wish to draw attention to the investments of the Institute. As mentioned by the accountants, these are still valued in the balance sheet at the 1913 figures, which are, of course, much higher than could be obtained at the present time if they had to be disposed of. Most of the stocks are subject to the official minimum, and if this were removed they would probably be somewhat lower still, so that even the official minimum prices would not give a correct value. We all hope that the values will recover, and there is every prospect that they will do so, and if members keep present conditions in mind they can easily see what is the actual position in regard to the investments.

The loan from the bank also calls for comment. The amount subscribed for the new premises was short of the actual cost by about £2,500, and the loan of £2,000, as shown by the balance sheet, has been increased by £500 to clear off the final payments. Under the war conditions prevailing when the premises were completing it was undesirable to move for further subscriptions, but the matter of making an effort to clear off the bank loan might very well be taken up now, and I hope the Council, during the coming year will devise some plan to this end.

The letting of the basement should produce an income of about £200 per annum, and this, coupled with rigid economies in management, should quite relieve the financial position.

It will further be noted that it was necessary to spend £100 on repairs and alterations to the Stratford premises in accordance with our agreement with the tenants.

I should also mention that the sum of £12 1s. 4d., a credit balance from the dinner account of a former year, should have been added to the City Premises Fund, as decided at last Annual Meeting, instead of being carried forward as shown.

MR. JAMES MACDONALD: I have much pleasure in advising the adoption of the reports of the Hon. Secretary and Hon. Treasurer, to whom we are indebted for the full details given. The expenditure has been somewhat large, but I hope that with the dawn of better times we may get the balance re-adjusted. We must all put our shoulders to the wheel and endeavour to increase all grades of the membership. It is unfortunate that the basement is still unlet, but in happier days there should be no difficulty in letting it.

MR. FARENDEN: I have pleasure in seconding the adoption of the reports. Although our first year's financial experience from the financial point of view since our location here has not been so successful as desired, this has been explained. Well, we must all do what we can to increase the membership, and also endeavour to sublet the basement and thus increase our revenue. There is still about £2,500 required to complete the purchase of our new building. The present time may not be quite opportune to make appeals for money, but if a committee were formed to deal with the subject I feel sure it would have the desired effect. I have much pleasure in seconding the adoption of the reports.

THE CHAIRMAN: I invite members to add any further remarks or questions. I, myself, would like to say that there seems to me, in the very clear, lucid, and comprehensive statements laid before us, recording the general business of the Institute, including the finances, no cause for discouragement or any reason to suppose that we, as an Institute, did not make the right decision when we decided to come to Tower Hill from Stratford. The facts of the history of the Institute all confirm, as it seems to me, the wisdom of the course which we then decided to take. In regard to the essays, I am sorry that no less than three of the prizes were not competed for. The subjects for these essays are most skilfully chosen, it seems to me, not only in view of the subjects themselves, but because anyone who began to write a paper on these subjects must necessarily make extensive research. I venture to say that there is not an engineer who could write many pages on these subjects without very considerable reference to authorities and text books. I hope the Council will take note of what I say; if there is anything I can do in assisting to secure competition in connection with these subjects I am ready to do it. It is the duty of everyone in the Institute to cooperate, and I will not shrink from my duty. The finances of the Institute also appear to me to be quite satisfactory, but with

regard to the investments of the Institute in first-class stocks to which the Hon. Treasurer has already referred, I would like to lay stress on one point. When a private individual has made an investment, he is entitled to watch very carefully and with serious concern any depreciation or appreciation of the market value, because in his lifetime he may require to realise the money. But with an Institute it is somewhat different. An Institute runs on for many more years, and therefore I re-echo very heartily the remark of our Hon. Treasurer that we should hope that the depreciation would right itself, and I think myself, that in the course of a very few years the value of these first-class gilt edged securities will recover itself, and we shall be able to regard them as valuable as they are shown on the balance sheet, and there is no reason for depreciating them or writing them down.

Mr. A. BOYLE: I have much pleasure in proposing a vote of thanks to Sir Archibald Denny. He has been President during two very important years in the history of the Institute, and during that period he has identified himself with the progress, working, and building up of the Institute, and the building is indeed one which the Marine Engineers of the Empire may be proud to call their very own. Sir Archibald belongs to a family whose members are not only able business men and great ship-builders, but men who have proved themselves worthy in other respects to be the citizens of this great Empire, ready and willing to take their share in assisting the progress, political and social, of the Empire. We are all of us proud to uphold the sacred cause of liberty and right against the brutal forces of tyranny and oppression, and I cannot refrain from mentioning that Sir Archibald Denny has three sons at the front fighting for the country. The name of Denny will always be closely associated with the Institute, and commemorated by the gifts they have bestowed. The Denny family has given us four admirable presidents, and I think it is unique in the history of any Institute to have two sons and a nephew of the same family on the presidential roll, and it may be that at some future annual meeting, younger men than I am may move a vote of thanks to the then retiring president, who may belong to another generation of the Denny family. I move a very hearty vote of thanks to Sir Archibald Denny.

Mr. CAMPBELL: I have very much pleasure in seconding this vote of thanks, and to concur very heartily in all that Mr. Boyle

has said, and can only add that I hope that the generations of the Denny family will be long spared and continue to afford us their valuable services.

The CHAIRMAN: The relations with the Denny family are of the most gratifying to everyone connected with the Institute.

Mr. WELLS: It is my privilege to voice the general appreciation of the members of the Institute for the office bearers and Council. The period covered is clouded with war troubles; duties and responsibilities have arisen which are entirely new and exceedingly heavy. The balance sheet is a very trenchant argument and illustration of the present situation; the duties of the Council are only known to those who have served in this position, and only they can appreciate the real work and responsibilities involved. I therefore have pleasure in proposing a hearty vote of thanks to the Office Bearers and Council for their untiring attention to their duties, and I hope our gratitude will cheer them on their way.

Mr. TURPIN: I have much pleasure in seconding this vote of thanks. The Office Bearers and Council have had a most anxious year, much more so than in ordinary times. The report and statement of accounts shows how well they carried out their work. I think also that the explanation of the Treasurer helps us considerably, and I feel sure that all will come right in time. It has occurred to me that this hall is a very fine room. I may perhaps suggest that some money might be obtained by letting it. I do not think I have any more remarks to make. I have much pleasure in seconding the vote of thanks to the Office Bearers and Council.

Mr. GEORGE ADAMS: On behalf of the Office Bearers and other members of the Council I have to thank you for your vote of appreciation and thanks for the efforts they have put forth during the past year. This year, to each and every one, has been a strenuous one on account of this terrible war, which in many ways has hindered the working of the Institute and restricted the attendance, but notwithstanding present conditions and the inevitable ebb and flow to which all Institutions are liable, we have a net increase of membership of 85. This, in itself, is a good feature, and may be taken as an encouragement after the first year's working in the new premises, but now that we are fairly established here, it is incumbent upon each and all to do their best to further the objects of the Institute and make known its advantages among Marine Engineers for

whose benefit it was founded, so that there may be a continually growing membership. The Treasurer's report may not appear as well as we could wish; but we must bear in mind that it is mainly on account of our new undertaking, and entering upon it under adverse circumstances already referred to; no doubt the Council will consider later on what steps can be taken to clear off the remaining debt on the premises. It would not be considered a wise policy to part with our investments at the present juncture, and we may reasonably hope that they will recover their full value in due course, moreover, any revenue they produce is required to assist in defraying working expenses.

I would take this opportunity of again mentioning that at a period during the past year when circumstances appeared that it might be of some service to the country, the Council offered this building to the Admiralty or the War Office as a hospital, and although it was found that the accommodation was not necessary, the members of the Institute have the satisfaction of knowing that the offer was made.

You have heard from our Hon. Secretary the details of the work of the Institute during the past year, and which we have endeavoured to do our best to carry on. Again thanking you for your appreciation, we express the hope that the work begun so many years ago at Stratford will be brought to a full success in our new home.

Mr. RUCK KEENE: I have much pleasure in asking you to give a very hearty vote of thanks to Mr. Archer. I do not think that many of you realise the amount of work that he has done for the Institute. He has given us great assistance, more especially in connection with these new premises, and the valuable advice he gave has been very useful to members of Council. I have very great pleasure in asking you to give a hearty vote of thanks to Mr. Archer, and ask him to accept the appointment of Hon. Solicitor for the next Session.

Mr. HAWTHORN: It gives me pleasure to endorse the vote of thanks put to the meeting on behalf of our Hon. Solicitor. There have been times when we have been in want of legal advice. For instance, when removing into the new premises many legal points had to be considered, and Mr. Archer was always ready to give us his valuable assistance. I think, therefore, we cannot do better than request him to retain the office he has so ably filled. I have great pleasure, therefore, in seconding this vote of thanks.

Mr. MATHER: I have very much pleasure in asking you to accord a hearty vote of thanks to our Hon. Auditors, for their duties are really very serious ones. Our accounts, as you are aware, are examined officially as required by law, but the Hon. Auditors have always responded most generously whenever I have asked them to come forward and assist us, and they have helped us most materially by their advice and suggestions on many points, especially during the past year. I therefore ask you to join with me in a very hearty vote of thanks to Messrs. J. Clark and A. Robertson, our Hon. Auditors.

The HON. SECRETARY: I have much pleasure in seconding this vote of thanks proposed by our Hon. Treasurer, which I endorse most heartily; as a matter of fact, although termed Honorary Auditors, they do real good work for the Institute.

Mr. A. ROBERTSON: Mr. Clark and myself have done our best to perform the necessary duties in connection with the auditing, but Messrs. West & Drake have made our duties considerably easier, owing to the very exhaustive way they have gone into the accounts. You have seen that the balance sheet shows an increase in the annual expenses in the region of £450. This has been made up by the three principal items shown in the accounts, viz., working expenses, repairs to Stratford premises, and removal expenses. We hope shortly to add to our income by letting the basement, as you are aware. There is one other point I should like to mention, the fact that these premises are leasehold property, and we consider it ought very shortly to be taken into account to provide a sinking fund, either by a special fund, or taking out an insurance, so that at the end of the term of the lease the Institute may have the realisation of the full value of the property. Then of course, the question of the overdraft at the bank is a serious item, but if we all put our shoulders to the wheel, I have no doubt that within the next two or three years it might be cleared off. We mention these things specifically because we think that if members knew the position of affairs, they would all be ready to help by increasing the membership. I do not mean, of course, to imply that the affairs of the Institute are not on a sound basis, but I take it for granted that we all want to be clear of debt. I thank you for the vote of thanks to Mr. Clark and myself.

Mr. E. W. ROSS: Mr. Wm. Earnshaw and myself have gone through the names on the voting papers, and he will now announce the names of the members elected in alphabetical order.

MR. W. EARNSHAW : We have to report as follows :—

President : Sir James Mills, K.C.M.G.

Hon. Treasurer : Mr. A. H. Mather.

Hon. Secretary : Mr. Jas. Adamson.

Members of Council : Messrs. Arthur Blackburn, John Clark,
Jas. Peacock, Jas. Shanks, Jas. E. Wimshurst.

It gives me a great deal of pleasure to be back here again with you after many years, and I am very glad to note the progress of the Institute both in regard to membership and the acquisition of these new beautiful premises. I believe that I am the only member of the Australasian Institute of Marine Engineers here present, and I have the honour to bring you their fraternal greetings, especially from the New Zealand branch.

It would be a good step forward if a closer union existed between the British and Australasian Institutes of Marine Engineers. This welding of the two bodies may come in time, and will, I think, be productive of a great deal of good, technical and social, to marine engineering in general, and the members in particular. I make the suggestion that the new Council keep this union in view.

Before this amalgamation of interests can be thoroughly useful, it will be necessary that the numerical strengths of both bodies approach the maximum of the sea-going engineers, and while the membership has increased greatly during late years, yet a greater advance is absolutely necessary now.

Past Councils have done yeoman service, but speaking generally, individual members are apathetic regarding its growth and aims. The Institute here can well take a lesson from our brethren overseas, where each member is keenly interested in the affairs of their Institute. Our annual expenditure, due to these new premises, has largely increased; our income is dependent almost wholly upon members' annual subscriptions, thus in order that the balance can be struck up the right side of the ledger it is essential that the membership be considerably strengthened.

I would express the hope that the coming years will show the Institute greatly increased in usefulness, and that we may welcome in the near future a good and useful battalion of new and efficient members due to some good recruiting scheme, which no doubt the Council will father.

The CHAIRMAN: We are greatly obliged to the Scrutineers for the trouble they have taken and for their valuable services. Members of Council represent a very important section of our work, and are most of them consulting or superintending engineers of reputation and experience. I must ask you all to excuse me if I, most reluctantly, leave the meeting now, as I have a railway journey of 40 and a motor ride of 20 miles before I reach home, and you know that attesting is not the only duty imposed on married men. Let me add that I wish to say how much I appreciate the honour you have done me in asking me to take the place of Sir Archibald Denny here to-night. I have been most happy to place my poor services at the disposal of this Institute which has done so much for me and to which I shall always be grateful and desirous of showing my gratitude.

Mr. GEO. ADAMS at this stage occupied the chair.

The HON. SECRETARY: The next item on our programme is recommendations and suggestions. An opportunity is now given to members to put their ideas forward for the Council to deal with, and we shall be glad to hear those who will take advantage of it.

Mr. P. T. CAMPBELL: The opportunities come to us on these occasions when some of us want to say something. What to me, as a member of Council, appears to be a very serious matter, is that we have a debt of fully £2,000, and what we have got to do is to have it worked off by this time next year.

We have 1,500 members of all grades, and if everyone would double his subscription for the time being we should soon work it off. Then there is the question of the advisability of changing some members of Council every year; many of our members take a deep interest in their work, but unfortunately they have got to go out after a certain period; in a commercial company that would be a disaster. I do not however forget that it is necessary to have new blood sometimes. I also suggest that it might be a good thing to resurrect the old City Premises' Committee, for until we can show a good balance on the right side in the Treasurer's report we cannot be said to be in a satisfactory position. I want to get the opinion of members as to what is the best way to deal with the situation.

Mr. J. CLARK: I think we might introduce some system of compounding; if we had such a system the fees might give us this £2,000, or a good proportion of it. Another suggestion is as to the first annual subscriptions; I believe it is the

case that members pay the first fee *pro rata*; I suggest that this should be altered and the full fee paid.

Mr. A. ROBERTSON: I agree with what Mr. Campbell has said, and if individual members can be induced to pay an extra guinea this year it would be a very good thing; but I do not think we should make a levy on them; it must be purely voluntary; but seeing that we have such fine premises, is there any reason why the suggestion of increasing the subscription to $1\frac{1}{2}$ guineas should not be considered? We are getting full value for our money; Marine Engineers are doing well at present, and we certainly ought to be able to wipe out this debt without calling on anybody to make undue sacrifices.

Mr. J. SHANKS: I am very pleased that Mr. Campbell has raised the question of finance. I have had the privilege of being a Vice-President during the past year, and have been exercised in my own mind on finding what our financial position is, and I think it is our duty to realise it. We have got to wipe off that debt as soon as possible. We are prosperous as a body, and most of us are well able to give a contribution. Some members are able to give two guineas or more, but a great many cannot do so. I hope members will be induced to give voluntarily.

Mr. CHISHOLM: I agree with Mr. Shanks. To increase the fee would not tend to induce engineers to become members, and instead of doing anything to keep them away it would be better to do something to bring increasing numbers. There are a great many men who are not in a position to give two guineas, but I heartily support the idea that all should give what they can voluntarily.

Mr. W. McLAREN: I am sorry to hear such pessimistic utterances to-night. I do not see anything alarming in the situation. We have done very well on the whole. The Council has been excellent. There is nobody belonging to this Institute who has done more for the welfare of Marine Engineers and to create and foster a feeling of fraternity with our brethren in the Colonies than our Hon. Secretary. Let us all do what we can to help.

Mr. BALFOUR: Mr. Campbell's remarks have impressed me, and must have impressed you, but I heartily endorse the Treasurer's optimistic words and believe that the investments will rapidly improve. I do not think it would be advisable to apply to those outside the Institute; it would be much more to our credit to depend on ourselves.

MR. HAWTHORN: I think that every individual member, associate-member, or graduate ought to do his very best to bring in a new member of his own grade. Speaking from an experience of 27 years in this Institute and 19 in the Council, and looking through the application forms time after time, I find practically the same names as proposers, showing that some of us have been doing our utmost; but it is incumbent on every one to bring some of his friends in. This is my view, and I hope you will all take it to heart.

MR. AITKEN BROWN: I was under the impression that the report and the balance sheet had been passed unanimously. We are indebted to Mr. Campbell for his suggestion, but I should advise him to propose that the Council nominate a small Committee to liquidate this debt—but it must be voluntary.

MR. CAMPBELL: I was not aware that I had said anything to make members suppose that the call for money was to be enforced. The most practical suggestion has come from Mr. Aitken Brown; a member might be nominated outside the Council—a member who would like to work for the Institute, and then let us get started with it.

MR. CHISHOLM: I second Mr. Aitken Brown's proposal.

MR. E. W. ROSS: Unless we can increase our membership we shall always be behind—that is to say unable to advance; as everyone who has had anything to do with societies realises, there are always a number of expenses over and above the rates and taxes. Our membership has increased this year by 85 net, 100 new members. This is a long way from the 500 we require. Let us employ means to increase our membership.

MR. HAWTHORN: If it is your wish that it should be a resolution coming from this Annual Meeting, let it stand that it should be incumbent on every member to introduce a member. It ought to be more widely known that the Institute is working very hard and doing excellent work for its members. The value of the Institute to Marine Engineers is enormous, and therefore it is the duty of every individual member to increase the membership. We have constituted ourselves the guardians of the young engineer; although we do not adopt the methods of Trade Unionism, our efforts are always directed to further the interests of Marine Engineers. No class of men has served the country in the crisis better than the Marine Engineer, and when a disaster occurs he is usually at his post 30 to 40 feet

below deck, and has the least chance of being saved. I would call upon all members of the Institute to support the Institute and bring in as many new members as possible.

Mr. A. O. RICHARDSON: I heartily endorse the plan of bringing in new members. I think that if the senior engineers of steamships would use their influence, it might have a very marked effect. We here are doing our best, but our range is rather restricted. I suggest that some notice might appear in the Transactions in relation to this; also, an appeal might be made to shipowners, who, more than anyone else, are indebted for much of their success to the efforts of the Marine Engineer.

Mr. A. ROBERTSON: It is certain that some plan must be formulated. We have increased annual expenses and the question of forming a sinking fund must also be considered.

Mr. TURPIN: A great deal can be done by spreading the Transactions, from which an increase of membership has already largely come. If we distribute them among our friends the result will be automatic.

The CHAIRMAN: Mr. Brown's resolution is: "That the Council be asked to appoint a small Committee or adopt some measures to liquidate the debt by voluntary contributions from members, or by other ways and means, as may be deemed advisable." I do not think the Council can make it obligatory upon each member to introduce a new member as Mr. Hawthorn suggests, but I have no doubt that each one will do his best in this direction. Apropos of Mr. Campbell's remark anent the City Premises Committee I would point out that as a member of it, together with Mr. Campbell, the Committee having seen the building completed and opened, considered that the work—for which they as a Committee were formed—was duly accomplished, and we then merged the business into the hands of the Council, much regretting that during that period we were not able to raise the whole of the money and so open the Institute free of debt. We should all be pleased to see this incubus removed, and I therefore put the resolution to the meeting.

The Resolution was carried unanimously.

The HON. TREASURER: Mr. Campbell has done a good service in raising this discussion, but I should not like anyone to go away with the idea that there is need for anything more than the natural dissatisfaction of knowing that the premises are not free of debt. There is no ground for pessimism or anxiety.

If we had not had sufficient security to offer, the Bank would not have increased the loan as they have done within the last few days. We must not consider the increase in the working expenses as a matter for anxiety, as this was of course expected in the new premises, and I have already shown that the deficit on the year's working is more than covered by the interest on the debt, the probable income from letting the basement and certain reductions in the clerical expenses.

Mr. CAMPBELL: It has been my pleasure to work with Mr. Hawthorn for many years, and I wish every member would take the same interest in the Institute as he does. I should be very glad if any member, instead of giving two guineas, would bring two new members.

Mr. W. McLAREN: I have pleasure in moving a vote of thanks to Sir Fortescue Flannery; also to Mr. Adams for taking the chair. We are all only too pleased to give all the help and assistance we can to advance the work of the Institute and back up the efforts of the executive. I have great pleasure in proposing this vote of thanks to Mr. Adams, who has been here so often and has always given us his best attention and service.

Mr. A. O. RICHARDSON: I have very great pleasure in seconding.

Mr. GEORGE ADAMS: I have to thank you for this vote of thanks, due first to Sir Fortescue Flannery, as he was the Chairman of this meeting, and when he had to leave us I simply filled the place as a matter of duty.

MEETINGS HELD DURING SESSION 1915-16.

DATE.	SUBJECT.	CHAIRMAN.
1915. February 2	"Small Screw Propellers" by Mr. D. J. Jackson (Member)	Mr. Alexander Boyle
March 2	"Tail Shaft Lubrication" Discussion	Mr. J. R. Ruthven
" 12	Annual Meeting	Mr. Alexander Boyle
" 23	"The Comparative Efficiency of Lubricants" by Mr. J. Veitch Wilson ..	Mr. F. M. Timpson
April 6	"Solid Fuel from the Technical and Commercial Standpoint" by Mr. A. E. Battle (Member)	Mr. B. P. Fielden
September 7	Presidential Address ("Screw Propellers") by Sir Archibald Denny (President)	—
October 5	"Engineering Prospects in Russia" by Mr. Jas. Anderson (Member).. ..	Mr. George Adams
November 2	"Development in Mechanical Ventilation Hygienically Aboveground, Underground, and Underdeck," by Mr James Keith (Member)	Mr. J. H. R. Kennal
December 7	"Stern Shaft Lubrication" by Mr. A. J. Lebeda (Member)	Mr. George Adams
1916. January 11	"Power Driven Tools on Board Ship" by Mr. J. Hamilton Thomson (Member)	Mr. J. F. Elmslie

ADDITIONS TO LIBRARY, SESSION 1915-16.

SUBJECT.	PRESENTED BY
Transactions Institution of Mechanical Engineers... ..	The Council
Marine Engineering, A. E. Tompkins	Purchased
The Steam Turbine, R. M. Neilson...	The <i>Marine Engineer</i>
Steam	Babcock & Wilcox
Engineers' Reference Book	Do.
Machine Tools (2 Vols.), Keir French	Engr.-Lieut. Ignacio Toro (Member)
The Steamship, Vol. 26, 1914-15 ...	The Editor
Journal Institute of Metals, Vol. 1, 1915	Institute of Metals
Lloyd's Register of Shipping (2 Vols.)	The Committee of Lloyd's Register
Punch, Vol. 148	Purchased
Engineering, Vol. 99... ..	Do.
The Engineer, Vol. 119	Do.
Land and Marine Diesel Engines, Giorgio Supino	J. Brown (Member)
The Marine Engineer, Vol. 37 ...	Purchased
Transactions The Institution of Naval Architects	The Council
Transactions The Institution of Naval Architects	J. Lyle, Esq.
Transactions N.E. Coast Institute of Engineers and Shipbuilders, Vol. 31	The Council
Mercantile Navy List, 1859	J. Croall
The British Battle Fleet, 2 Vols., F. T. Jane	Purchased
The Penny Encyclopædia, 30 Vols., C. Knight (publisher)	A. Cooke
Bulletin de l' Association Technique Maritime	The Council
Scientific Record of the Great Exhibition, 1862	J. E. Elmslie
The Mechanician and Constructor, C. Knight	Do.
Proceedings Engineers' Association, N.S.W., Vol. 29	The Council
Reid's Guide Book and Supplement for the use and guidance of Engineers	Purchased

NO.	NAME.	ADDRESS.
2297	Mancor, Jas. H.	<i>c/o</i> Lloyd's Register of Shipping, 17, Battery Place, New York, U.S.A.
2972	Mann, John (Engr. Com. R.N.R.).	6, Windsor Terrace, Stranraer, Wigton, Scotland
2353	Mann, Robt.	22, Manor Road, Westcliff-on-Sea
1768	Manson, P.	163, Broomhill Drive, Partick, Glasgow
2294	Mannell, John A.	Polkerris, Shenley Road, Radlett, Herts
1844	March, Leslie C.	Willow House, Clapham Hill, Whit- stable
2635	Marr, George	267, Westburn Road, Aberdeen, Scotland
1933	Marshall, F.	Dean Road, Kilmarnock
2760	Marshall, James S.	88, Sunny Bank, Hull
2844	Marshall, J. M.	<i>c/o</i> Valvoline Oil Co., 12, Exchange Buildings, Liverpool
2532	Marshall, W. E. (Engr. Lieut, R.N.).	Elswick Ordnance Works, New- castle-on-Tyne
2305	Martell, Chas.	Lloyd's Register of Shipping, Grimsby
2945	Martin, Chas. P.	8, Victoria Street, London, S.W.
2117	Martin, Jas.	36, Brougham Street, Greenock
423	Marquand, A. J.	2, Dock Chambers, Cardiff
500	Massey, W. H.	Twyford, Berkshire
473	Mather, A. H.	Plainfield, Hadley Road, New Barnet. N.W.
2423	Matheson, A. J.	Lloyd's Register of Shipping, 449, The Bourse, Philadelphia, U.S.A.
756	Matthew, W.	60, Kensington Gdns., Ilford, E.
2830	Mavor, Gerald	<i>c/o</i> Messrs. Shewan, Tomes & Co. (Machinery Dept.), Shameen, Canton, China
550	Maxton, J.	4, Ulster Street, Belfast
3058	May, Andrew	<i>c/o</i> The Superheater Corporation, Ltd., Palace Chambers, Bridge Street, London, S.W.
2888	May, Bernard	5, Marlborough Road, The Brook, Liverpool
2055	Mayne, R. E.	Clayfield, Brisbane, Australia

NO.	NAME.	ADDRESS.
2981	Mayor, Jos. Fred.	128, Thornbury Road, Osterley Park, London, N.
2020	Meager, W. M.	Pyne Lodge, Victoria Avenue, Westgate-on-Sea
2969	Medway-Smith, Wm. R. (R.N.R.).	H.M.S. <i>Biarritz</i> , c/o G.P.O. London
2174	Meek, A. Rowland	Temple Bldgs., Bowlalley Lane, Hull
2703	Mein, John C.	56, Ainslie Street, Grimsby
2017	Meldrum, John	136, Hampstead Road, Westgate, Newcastle-on-Tyne
2009	Mellor, Wilfred	Engineers' Association, Singapore
1390	Metcalf, C. W.	3, Park Av., Roker, Sunderland
1225	Metcalf, H. E.	c/o Russian Babcock & Wilcox Co., Ltd., Varvarka 7, Moscow, Russia
1270	Michie, Jas.	3, Alloa Road, Goodmayes, Essex
1692	Miller, David	19, Princes St., Bootle, Liverpool
444	Miller, Alexr.	"The Anchorage," Court Lane Gardens, Dulwich, S.E.
1752	Miller, J. F.	c/o Messrs. Bradley & Co., Hong-Kong, China
2167	Milton, J. E.	Lloyd's Register of Shipping, Tower Buildings, Liverpool
1976	Milton, J. T.	Chief Engineer Surveyor, Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.
2481	Mistry, P. M.	Nr. Hardinge Bldgs., Gowalia Tank Road, Bombay
1822	Mitchell, H. G.	37, Morant Street, Poplar, E.
2956	Mitchell, John Cameron	13, Malvern Road, Leytonstone, N.E.
1624	† Mitchell, R. S.	Address wanted
2778	Moffat, Alfonso	Lloyd's Register of Shipping, Calle 25 de Mayo 158, Buenos Ayres
2863	Moir, John	Glenclune, Port Glasgow
178	Mollison, R.	Fallside, Drumlithie, Kincardineshire
1393	Monroe, R.	General Manager, Barry Graving Dock, Barry, S. Wales

† Address wanted.

NO.	NAME.	ADDRESS.
2971	Montgomery, Murdoch T.	Strachur, Argyleshire
1410	Moore, G. W.	37, Liberty Place, Weehawken, N.J., U.S.A.
754	Moore, S. H.	<i>c/o</i> Standard Oil Co. of N.Z., Dairen, Manchuria, China
2889	Morgan, George U. (Lieut., R.E.)	15, St. John's Road, Croydon, S.E.
530	Morgan, J. O. (Engr. R.N.R.)	Bank Chambers, Sandhill, Newcastle-on-Tyne
2948	Morgan, T. A.	A.S.N. Co., <i>c/o</i> Turner, Morrison & Co., Calcutta
2965	Morgan, Thos. J.	94, Bramshot Avenue, Charlton, London, S.E.
1438	Morrell, G. E. (R.N.R.)	<i>c/o</i> Messrs. W. A. Graham & Co., 5, Bishopsgate, London, E.C.
1062	Morris, G. S.	<i>c/o</i> Lyttleton Harbour Board, Lyttleton, New Zealand
3020	Morris, Sydney	Cawnpore Cotton Mills, Cawnpore, India
2862	Morrison, Geo. C.	14, Craigmore Terrace, Partick, Glasgow
2360	Morrison, John	"Bulowayo," Russell Road, Felixstowe
978	Morrison, R. (R.N.R.)	9, Eastwood Road, Goodmayes, Essex
2225	Morrison, W.	Lloyd's Register of Shipping, Lloyd's Bank Chambers, Middlesbrough
3006	Mortleman, Geo. Wm.	"Lourdes," Blakehall Road, Wanstead, Essex
1462	Morton, John	65, Erpingham Road, Putney, S.W.
2129	Muers, P.	32, Great St. Helens, E.C.
2293	Mumford, Newman	<i>c/o</i> W. W. Barnes, Surveyor to Lloyd's Register, Piraeus, Greece
1847	Munro, D. J.	<i>c/o</i> B.I. Engineers' Club, 2, Royal Exchange Place, P.O. Box 296, Calcutta
1314	Munro, Wm.	B.I. Engineers' Club, Box 296, Calcutta, India

NO.	NAME.	ADDRESS.
2204	Murdoch, George	Glenariff, Queen's Road, Monk-seaton, Northumberland
2372	Murdoch, J. J.	7, The Close, Walton Park, Liverpool
2832	Murdoch, R. A.	B.I.S.N. Co., Bombay
2316	Murphy, B. Stewart	Cons. Engineer, 112, Water Street, Boston, Mass, U.S.A.
2738	Murray, Albert W.	7803, 4th Avenue, Brooklyn, New York
241	Murray, C. W.	Oriel House, Farringdon St., E.C.
2852	Murray, Denis J.	Dominion Govt. Steamboat Inspector, Halifax, N.S.
2978	Murray, Duncan	Marine Engineers' Institute, Shanghai
2468	Murray, John	<i>c/o</i> Messrs. The British Australian Tobacco Co., Stewart Street, Melbourne, Victoria, Australia
2610	Murray, John	Tongaat Sugar Co., Ltd., Smith Street, Durban
2538	Murray, John	Chief Engr. SS. <i>Minderoo</i> , Messrs. Dalgety & Co., Fremantle, West Australia
2113	Murray, M. M.	"Maroubar," Llewellyn Street, Balmain, Sydney, Australia
2633	Musselwhite, W. J.	80, Manners Road, Southsea
3050	Myers, Arthur	<i>c/o</i> Messrs. Turner, Morrison & Co., Ltd., 6, Lyons Range, Calcutta
2496	Myles, David	Northumberland Engine Works. Wallsend-on-Tyne
2511	Neave, Thomas	Kowloon Docks, Hong-Kong
2124	Neil, M. D.	I.F. Co.'s Dalla Dockyard, Burma
1690	Neish, Thomas	231, Browning Rd., Manor Pk., E.
2403	Nelson, C. B.	53, Calle Dasmarias, Binondo, Manila, P.I.
2053	Nelson, C. C.	<i>c/o</i> Taikoo Docks & Eng. Co., Hong-Kong, China
1334	Ness, Alex.	36, Gordon Avenue, Southampton
25	Newall, G. W.	345, Upton Lane, Forest Gate, E.
234	Newby, C. G.	51, Deanery Road, Stratford, E.

NO.	NAME.	ADDRESS.
1916	Newlands, G. J.	5, East Meade, Charltonville, Manchester
2376	Newman, A. R.	Havering House, Lewisham Hill, S.E.
2964	Newton, Henry Edward	1, Jermingham Road, New Cross, S.E.
2173	Nicholas, W. W.	Temple Bldgs., Bowlalley Lane, Hull
2757	Nicholls, Frank (Lieut.-Cpl. Div. Engrs., R.N.R.)	"Woodville," 100, Wakehurst Road, Clapham Junction, S.W.
207	Nichols, F.	12, Fife Rd., Kingston-on-Thames
2670	Nickson, E. N.	9, Cecil Road, Prenton, Cheshire
2471	Nicol, Geo. A.	British Corporation Registry, L. & Y. Rly. Bldgs., Hull
2851	Nicol, John	306, Barking Road, East Ham, E
1686	Nicol, R. D.	14, Whiteley Wood Road, Sheffield, W.
220	Nicoll, J.	56, Cameron Road, Seven Kings, Essex
2716	Nixon, C. H.	Stanford Street, Cutler's Road, Lower Riccarton, Christchurch, N.Z.
3069	Norris, Wm. J. K.	48, Lime Street, London, E.C.
2751	Northcote, E. S.	30, Ashley Place, London, S.W.
134	Northcott, W. H.	6, Earl's Court Square, S.W.
2954	Nye, W. S. H.	32, Bank Street, Maidstone, Kent
2896	Oag, James	c/o C.S.R. Co., Condong Mill, Tweed River, N.S.W.
2569	Oates, John	1, Brynhafyd Rd., Newport, Mon.
2529	Ollar, Stewart	Hastings, Calcutta
2341	O'Neil, Rodolph S.	37, Gracechurch Street, London, E.C.
2711	O'Neill, Geo. A.	5, Gordon Road, Southtown, Great Yarmouth
2157	Orde, Edwin L.	Walker Shipyard, Newcastle-on-Tyne
2594	Ormiston, J.	Messrs. Macdonald & Co., York Buildings, Hong-Kong
2064	Ormiston, Wm.	Messrs. Steel. Young & Co., 82, Fenchurch Street, E.C.

NO.	NAME.	ADDRESS.
2881	Ormston, Henry M.	7, Selborne Road, Ilford, E.
2266	Oswald, John H.	56, Arch Street, Hartlepool
2590	Outram, W. R.	"Freshfield," Poplar Walk, Herne Hill, S.E.
2880	Owen, Henry P.	41, Arundel Avenue, Sefton Park, Liverpool
3080	Oxford, Benjamin Geo.	Lloyd's Register of Shipping, 201, Tower Building, Liverpool
2658	Palmer, David	77, Blenheim Place, Aberdeen.
1277	† Park, C. J. (Sen. Engr. R.N.R. ret.)	Address wanted
2728	Parker, Allan H.	Hampden Club, Phœnix Street, London, N.W.
1796	Parker, L. A.	Inspector of Factories, United Provinces, Cawnpore
2877	Parkin, L.	61, Cranfield Road, Brockley, S.E.
1236	* Parsons, Hon. Sir C. A., K.C.B. (Past President).	Holey Hall, Wylam-on-Tyne
1321	Parsons, J. R.	Hoodown, Kingswear, Devon
3062	Parsons, Wm. Steel	"Lymedale," Grove Park, Kent
2959	Paterson, James	"Brenton," Station Road, Hendon, N.
2773	Paterson, John	Harbour Terrace, Caithness, Wick
225	Paton, W.	14, Ranelagh Gardens, Ilford, Essex
2091	Patterson, C. K.	Spring Bank, Garth Drive, Mossley Hill, Liverpool
2544	Patterson, G. G.	Inst. of Engineers & Shipbuilders, Shanghai
2521	Pavlidis, P. G.	48, University St., Athens, Greece
1871	Payne, L. F.	c/o Messrs. W. Mansfield & Co., Singapore, S.S.
2507	Peacock, Jas.	13, Fenchurch Avenue, E.C.
2503	Pearse, N. G.	Chief Engineer SS. <i>Araguaya</i> ; Canute Hotel, Southampton
2933	Peel, Frederick	20, Deyncourt Gardens, Upminster, Essex
2748	Pegler, H. (Ch. A.E., R.N.)	67, Chichester Road, North End, Portsmouth

* Life Member by Election.

† Address wanted.

NO.	NAME.	ADDRESS.
2720	Penfold, D.	69, Bloomfield Road, Burdett Road, London, E.
2841	Penman, David	Dalla Dockyard, Rangoon, Burma
2028	Penney, C. L. (R.D., Engr. R.N.R.).	Quendon, Bredle Road, Purley, Surrey
3076	Pepler, Samuel Geo.	"Tarifa," Station Road, Hayes, Middlesex
1523	Perkins, C. C., (Engr. R.N.R., ret.).	6, Billiter Street, London, E.C.
2946	Peter, J. F.	17, Endsleigh Street, Tavistock Square, London, W.C.
2787	Phillips, Edward	"Holmwood," St. Leonards Road, Thames Ditton
2823	Phillips, Victor H.	285, Catherine Road, Forest Gate, London, E.
2501	Philp, A. E.	41, Grosvenor Street, Liscard, Cheshire
2654	Pickett, A. E.	"The Nest," Meadern Road, Tonbridge, Kent
3025	Pickthall, Frank John	Bartolome Mitre 250, Buenos Aires, Argentine
3078	Pigg, Wm. A. Hodgson	19, Vicarage Park, Plumstead, London, S.E.
2166	Pilditch, C. H. L. (Engr.-Lieut., R.N.).	"Craig Cluny," Milugavie, Scotland
621	Pinkerton, W. F.	Sefton, Muirhead, Chryston, Lanarkshire
2586	Pinn, Reginald H.	Messrs. Clarke. Chapman & Co., 50, Fenchurch Street, E.C.
2291	Pitt, Fredk. W.	54, Redbrink Crescent, Barry Island, Glam.
2008	Platt, E. C.	Improved Chilling Co., Ltd., 58, West Smithfield, E.C.
2796	Plummer, William E.	Cambridge House, Bradford, Yorks
1903	Pollock, Duncan S.	27, Albany Road, Manor Park, E.
2301	Pollock, John	Aurora Bldgs., Calle de la Estacion, 5, Bilbao, Spain
1415	Pollock, W.	"Miramar," Madeira Avenue, Bromley, Kent
2137	Polychroniadis, L.S.	88, Fenchurch Street, E.C.

NO.	NAME.	ADDRESS.
2024	Porteous, Wm.	34, Midhurst Avenue, Fortis Green, East Finchley, London, N.
2944	Portham, R. S.	22, Billiter Street, London, E.C.
420	Pottie, G.	42, Mansfield Road, Ilford, E.
1084	Powel, H. Coke	1, Vancouver Road, Catford, S.E.
2181	Pratt, Herbert J.	Cockatoo Island, Parramatta River, Sydney, N.S.W.
2373	Pratt, John	21, Hyde Road, Waterloo, Liverpool
2673	Pratten, F. E.	39, West Park, Eltham, Kent
721	Pratten, W. J.	Mornington, Derry Volgie Avenue, Belfast
772	Primrose, W. B.	6, Bank Street, Glasgow
2441	Pritchard, R. J.	Hotel Gwalior, Upper Woburn Place, London, W.C.
1261	Proctor, W. E.	Parliament Mansions, Orchard Street, Victoria Street, S.W.
2774	Puffett, Harold	"Eynsford," Martin's Road, Balham, S.W.
2116	Pull, Ernest (Engr. R.N.R.)	L.C.C. School of Engineering, Poplar, E.
1927	Pullen, G. A.	43, King William Street, E.C.
1928	Pullen, W. L.	43, King William Street, E.C.
2314	Rabaey, F. L.	Lloyd's Register of Shipping, 162, Trafford Road, Salford, Manchester
2991	Radcliffe, G. H. C.	"Carnfell," Selborne Road, London, N.
1766	Rainey, A. G.	2, Marlow Tce., High St. South, East Ham, Essex
3052	Rainey, Robt. A.	169, Earlham Grove, Forest Gate, Essex
112	Ramsay, W. (R.D., Engr. R.N.R.)	21, Northbrook Road, Ilford, E.
2628	Ram, H. G. (E.R.A., R.N.)	H.M.S. <i>Eden</i> , c/o G.P.O. London, E.C.
2822	Rangdale, George S.	"Drayton," Bramber Road, North Finchley, N.
782	Rankine, D. O.	Oriel Chambers, 14, Water Street, Liverpool

NO.	NAME.	ADDRESS.
3009	Reading, George H.	Upper Bonnytoun Cottages, Linlithgow, Scotland
1163	Reay, J. D.	50, Balcaskie Rd., Eltham, Kent
3057	Reay, Wm. Harrington	c/o Vacuum Oil Co., Ltd., Scottish Provident Buildings, Belfast, Ireland
596	Redman, J. Fell	100, Windsor Rd., Forest Gate, E.
1772	Redman, J. H.	100, Windsor Rd., Forest Gate, E.
192	Reed, T. A.	270, Newport Road, Cardiff
2326	Reed, Vernon J.	Messrs. C. Brown & Co., Dock Ironworks, Bombay
2850	Reece, Herbert S.	5, Chowringhee Road, Calcutta
2814	Reid, Alexr. R.	Association of Engineers, Singapore
2007	Reid, Jas. L.	40, Mowbray Road, Westoe, South Shields
2835	Reid, John F.	17, Nanking Road, Shanghai, China
1801	Reid, Robert	Royal Exchange Place, Calcutta
2998	Relfh, Wm.	33, Moscow Drive, Thorneycroft, Liverpool
2722	Renaut, F. W.	205, Hainault Rd., Leytonstone, N.E.
1464	Rendall, J. G.	2, Alexander Road, Dovercourt
539	Rennie, H.	178, Chase Side, Old Southgate, N.
2566	Renton, Jas.	Trinity House, Tower Hill, E.C.
2454	Reynolds, Chas. B.	1, Queen's Mansions, Brook Green, London, W.
2867	Reynolds, W. A.	c/o Messrs. Babcock & Wilcox, Ltd., 9, William Street, Melbourne, Australia
895	Richardson, H. T. (R.D., R.N.R.)	Marine Supt. Engr., C.P.R. Co., Hong-Kong
161	Richardson, Jas. W.	"Riverlyn," Southfield, Hessle, E. Yorks
2975	Richardson, John L.	The Avenue, Bishops Lane, Hull
2719	Richardson, O. B.	40, Pitfield Street, London, N.
1890	Richmond, J. R.	Holm Foundry, Cathcart, Glasgow
2735	Rickinson, Lewis	46, Burgoyne Road, Harringay, London, N.

NO.	NAME.	ADDRESS.
2246	Riddell, Robt. (R.N.R.).	133, Barking Road, Canning Town, London, E.
2770	Riddell, William G.	Messrs. John Hastie and Co., Greenock
2871	Ridholls, Alfred George	C.S. <i>Cambria</i> , E.T. Co., Suez
2111	Ridley, Alfred E.	18, Station Rd., West Finchley, N.
2621	Ritchie, F. G.	Consulting Engineer, 7, 1, Prince Street, Singapore
2165	Ritchie, G. D.	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
3055	Ritchie, Jas.	"Glenbrae," Hakin, Milford Haven
2585	Ritson, David (Engr. Lieut. R.N.)	H.M.S. <i>Fishguard IV.</i> , Portsmouth
2188	Ritson, Maurice	Piazza Cavour, No. 35, Port of Genoa, Italy
1399	Ritson, S. McK.	2, Ashmore Terrace, Sunderland
1581	Roberts, D. K.	47, Mount Stuart Square, Cardiff
2653	Roberts, F. H.	105, Windsor Road, Southport
2027	Roberts, J. E.	The Arsenal, Alexandria, Egypt
159	Roberts, W. C., (Hon. Ch. Engr. R.N.R.).	18, Windsor Road, Forest Gate, E.
1885	Robertson, Alfred	"St. Madoes," Mill Park Avenue, Hornchurch
2327	Robertson, Archd.	B. I. Engineers' Club, Calcutta
56	Robertson, A. W.	Glencarse, Chalkwell Avenue, Westcliff-on-Sea
1155	Robertson, B. B.	56, The Drive, Ilford
2601	Robertson, Jas., Jr.	23, Eastwood Road, Goodmayes, Essex
2238	Robertson, Jas.	35, Blythswood Drive, Glasgow
1619	Robertson, John	c/o J. Belloch, Esq., Orient Co., Tilbury Docks, Essex
2004	Robertson, R. D.	B. I. Engineers' Club, Bombay
1201	Robertson, Thos.	Elwick, Deakin Avenue, Mildura, Victoria, Australia
2061	Robertson, W. D., (R.D. Ch. Engr. R.N.R., ret.).	63, The Drive, Ilford, Essex
575	Robertson, W. P., (R.D. Sen. Engr. R.N.R.).	22, Cavendish Gardens, Ilford, Essex
2033	Robinson, A. E.	2, P. & O. Terrace, Mazagon, Bombay

NO.	NAME.	ADDRESS.
2905	Robinson, E. F. B.	43, St. Michael's Road, Dingle, Liverpool
3005	Robinson, John Wm.	15, Church Road, St. Michael's, Lark Lane, Liverpool
2504	Robinson, Mark	1, Canning St., Waterloo, Liverpool
1458	Robson, W. H.	196, Llandaff Road, Cardiff
1637	Roffey, Chas. E.	8, Cardiff Lane, Dublin
2404	Roger, Geo. W.	Messrs. Fletcher, Son & Fearnall, Ltd., Union Dock, Limehouse, E.
2219	Rogers, H. M.	81, Gracechurch Street, E.C.
1701	Rogers, J. J.	6, Ramilies Road, Sefton Park, Liverpool
2941	Rogerson, Peter	30, Brasenose Rd., Bootle, Lancs.
2156	† Rolland, Alexr.	Interned in Austria
3017	Rose, Cavalier H. G.	Via Nizza 1/4, Genoa, Italy
1744	Ross, E. W.	181, Ham Park Rd., Forest Gate
2669	Ross, Leo	Priory House, Hopetown Road, South Queensferry, Scotland
1278	Ross, S. J.	Newlands, Western Road, Romford, Essex
735	Rosser, W. D.	2, Stuart Street, Cardiff
1831	Rowe, A. E.	Sudan Government Steamers, Khartoum Dockyard, Sudan
2979	Roxburgh, J.	c/o Messrs. Butterfield & Swire, Shanghai, China
2543	Roy, Lindsay	P.O. Box 2, Nairobi, Brit. East Africa
1961	Ruck-Keene, H. A.	71, Fenchurch Street, E.C.
2995	Russell, Donald	c/o Eastern Extension Australasian China and Telegraph Co., Singapore, S.S.
2520	Russell, J. C.	294, Central Park Rd., East Ham, E
2986	Russell, John	8, Woodhill Drive, Cardonald, Glasgow
1870	Russell, Joseph	17, Cheltenham Avenue, Sefton Park, Liverpool
2982	Rutherford, John L.	55, Warren Road, Leyton, London, N.E.

† Address wanted.

NO.	NAME.	ADDRESS.
2810	Rutherford, R. T.	2, Lochaber Street, Roath Park, Cardiff
2421	Rutherford, W. G.	c/o B.I. Engineers' Club, Calcutta
33	Ruthven, J. R.	41, Penge Road, Upton Park, E.
1257	Rutter, Ed. W. (R.D. Sen. Eng., R.N.R.)	15, West Bolton Gardens, South Kensington, London, W.
2414	Rutter, J. E.	c/o Association of Engineers, Singapore, S.S.
2783	Ryan, Joseph S.	Chief Mechanical Engineer, Mana Dry Docks and Engineering Works, Montevideo, Uruguay, S.A.
2328	Ryrie, Jas.	Chief Engr. SS. <i>Tuscarora</i> , c/o Tank Storage & Carriage Co., Ltd., San Francisco, Cal., U.S.A.
144	Sage, S. C.	Derwent Cottage, Court Road, Sutton, Surrey
2234	Sage, Wm. Jas.	2, Fenchurch Avenue, E.C.
2456	Sagowsky, V. (Engr. Lieut.-Col., I.R.N.)	27, Collingham Road, S.W.
2197	Salisbury, Ben.	29, Maysoule Road, Battersea, S.W.
2187	Salmon, E. M.	Lloyd's Register of Shipping, 17, Battery Place, New York, U.S.A.
2827	Sambidge, James	17, Victoria Street, Westminster, S.W.
2510	Sampson, Wm.	32, Gresford Avenue, Liverpool
2519	Sanderson, J. E.	4, Watling St., Gillingham, Kent
2644	Sandy, Arthur	"St. Lucia," St. Chad's Avenue, North End, Portsmouth
2036	Sargeant, Hedley	Cornwall Villa, Wivenhoe
1618	Saugar, S. V.	c/o Mr. D. H. Vania, Kotwal's Buildings, Tardeo, Bombay
2222	Saville, D. B. S.	2, Halstow Road, Westcombe Park, S.E.
2907	Schofield, Harry	118, Leadenhall St., London, E.C.
2733	†Schwarz, Karl	Address wanted
2908	Scott, A. J. K.	"The Hawthorns," Warbreck Moor, Aintree, Liverpool

† Address wanted.

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SUBJECT.	PRESENTED BY
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Mechanical World	Do.
Motor Ship and Motor Boat	Purchased
Munro's Engineer's Annual	The Publishers
Navy List	Purchased
Page's Weekly	The Proprietors
Power User	Do.
Punch	Purchased
Reports on Boiler Explosions	The Board of Trade
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Report, Marine Engineers' Association	The Association
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Incorporated July, 1889.

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1408	Adams, Geo.	Strathblane, Forest Glade, Leytonstone, N.E.
2792	Adamson, A. J.	Colonial House, Water Street, Liverpool
1	*Adamson, James	St. Quivox, High Street, Harlington, Middlesex.
2742	Adamson, P. A. N. (R.D., R.N.R.)	"Sunnydene," Winchester Road, Bassett, Southampton
1625	Adamson, W. W.	St. Quivox, High Street, Harlington, Middlesex.
2533	Addyman, F. T. (Engr.-Lieut. R.N.).	"Glenhurst," Kingsmead, South Devon
2232	Adie, P. J.	25 de Mayo No. 158, Buenos Ayres, Argentine
1966	Affleck, W. J.	Richmond House, Gaywood Road, King's Lynn
1301	Agate, C.	44, Garden Reach, Calcutta
2440	Aitkin, D. H.	SS. <i>Cormorant</i> , Western Telegraph Co., Ltd., Calle Cerrito, Monte Video, Uruguay
1806	Aitken, J.	61, Seymour Gardens, Ilford, E.
443	Aitken, J. K.	c/o East London Harbour Dept., East London, S.A.
2485	Aitken-Quack, E.	c/o Messrs. The Ardrossan Dry Dock Co., Ltd., Ardrossan
408	Alder, W. G. B.	c/o Messrs. Elder, Dempster & Co., 4, Leadenhall Buildings, St. Mary Axe, London, E.C.
1728	Allan, F. G.	Burnhousehill, Galston, Scotland
2989	Allan, James	8, Crosby Street, Forest Gate, London, E.
2999	Allan, John	5, Grange Avenue, Harton, South Shields
2142	Allan, Robt.	B.I. Engineers' Club, Calcutta
2573	Allen, Chas. S.	Holt's Wharf, Portung, Shanghai

*Life Member by Election.

NO.	NAME.	ADDRESS.
3014	Allen, Arthur Spink	42, Clavering Road, South Wan- stead, Essex
2261	Andeen, John	"Andeen Retreat," Mazagon, Bombay
515	Anderson, C.	Windygates, Fife
1901	Anderson, James (Sub-Lieut. R.N.V.R.).	196, St. Vincent Place, Glasgow
2515	Anderson, James (E.B.A., R.N.).	Town Farm, Tweedmouth, Berwick- on-Tweed
1197	Anderson, J. C.	Imperial Chinese Railway, Tien- tsin, No. China
2901	Anderson, John	Marine Engineers' Institute, Shanghai
2402	Anderson, Robt. W.	53, Derby Road, Canada Dock, Liverpool
2150	Anderson, T. J.	Cotton Exchange Buildings, Gal- veston, Texas
351	Annal, John	102, Windsor Road, Forest Gate, E.
2185	Annear, R. Lee, B.Sc.	68, Rothwell Road, Gosforth, New- castle-on-Tyne
2615	Ansell, Roger H.	Government Dockyard, Bombay, India
2550	†Arcus, C. R.	
2383	†Arcus, L. A.	
2833	Arnison, Geo. N.	<i>c/o</i> Killburn & Co., 4, Fairley Place, Calcutta
1882	Arthur, G.	78, Durham Road, Manor Park, E.
2973	Ash, Charles Norman	23, Billiter Street, London, E.C.
1332	Ash, H. G. H. (Engr. Comdr., R.N.)	Brocklee, Helensburgh, Scotland
2237	Ashton, H. H.	71, Fenchurch Street, E.C.
2942	Atkins, Andrew	30, Highbury Park, Islington, N.
785	Atkins, G. W.	Palmer's Lodge, Elstree, Herts
2689	Atkins, G. W.	63, Warren Road, Leyton, N.E.
3048	Austin, Grenville C. (E.R.A., R.N.).	West End House, Little Shelford, Cambridgeshire
2191	Austin, W. R.	Lloyd's Register of Shipping, Col- lingwood Buildings, Collingwood Street, Newcastle-on-Tyne.

† Address wanted.

NO.	NAME.	ADDRESS.
2855	Ayliffe, R. A. B.	Calle Victoria 366, Buenos Ayres
724	Baggallay, R.	9, Fenchurch Street, E.C.
2723	Bailey, W. E. (E.A.R.N.)	Chota-Ghar, Par Station, Cornwall
31	Baker, W. H.	1, Selbourne Road, Ilford, E.
364	Balfour, R.	Lloyd's Register of Shipping, 71, Fenchurch Street, E.C.
1589	Bales, K. C.	"Edesholm," Essex Road, Leyton, N.E.
2551	Ball, Wm. R.	124, Amherst Road, Hackney, N.
982	Balsillie, W.	1, Gregory Place, St. Andrew's, Fife
2287	Barclay, Jas.	46, Stanwell Road, Penarth
1990	Bardens, F. W.	2, Lakeside Rd., Palmers Green, N.
2636	Barker, R. J. B.	12, Parkfield Road, Waterloo, Liverpool
752	Barnes, C. W.	154, High Rd., Upper Clapton, N.E.
2180	Barnes, Walter W.	Piræus, Greece
2786	Barr, Duncan	104, Hermon Hill, South Woodford, Essex
2809	Barr, Robt.	c/o Irrawaddy Flotilla Co., 15, St. Vincent Place, Glasgow
2239	Barrett, A. J.	Lloyd's Register of Shipping, Liverpool
2022	Barrie, Jas.	25, Kensington Gdns., Ilford, E.
40	Barringer, H.	78, Gracechurch Street, E.C.
1947	Barrow, R. S. R.	4 and 5, High Street, Aldgate, E.C.
1303	Bartle, G. W.	27A, Mile End Road, E.
2837	Bartlett, Wm.	Merion House, Penrhyndeareath, North Wales
2483	Baseley, R. B.	Colonial Engineer for the Falk- lands, Port Stanley, Falkland Islands
1195	Battle, A. E.	City Academy of Engineering, 4 and 5, High St., Aldgate, E.C.
3011	Bayley, William	143, Balaam Street, Plaistow, Lon- don, E.
2925	Beck, Neil M.	Association of Engineers, Singapore
2744	Beckett, Francis O.	187, Thorold Road, Ilford, Essex

NO.	NAME.	ADDRESS.
1559	Beckett, W. H. (Engr. Comdr. R.N.).	Rosia Parade, Gibraltar
2891	Bedgood, E. C. S.	"Haworth," Sandy Road, Renfrew
2629	Beeching, E.	South Gates Road, Great Yarmouth
1846	Beldam, E. A.	"Rocombe," St. James' Avenue, Hampton Hill, Middlesex
2379	Béliard, H. J. P. (Captain).	c/o Messrs. Béliard & Crighton, Bank Chambers, 329, High Hol- born, London, E.C.
2093	Bell, James, R.D. (Sen. Engr. R.N.R.).	10, Hillview Terrace, Blackhall, Mid-Lothian
1424	Bendall, W. J.	16, Brookland Terrace, Swansea
1313	Bendell, E.	1, Millbrae Crescent, Langside, Glasgow
2387	Bennett, H. A. Dil- lon	Prudential Buildings, Newcastle- on-Tyne
1697	Berchem, A. H. E.	c/o Worthington Pump Co., India House, Kingsway, London, W.C.
2179	†Berendt, M.	Address wanted
2819	Berrill, Thos. R.	Lancashire & Yorkshire Steamers, Collingwood Dock, Liverpool
2183	Beveridge, R. J.	Gordon Villa, Balmoral Avenue, Belfast
2088	Bewers, D. C.	Melrose, Gilbert Road, Romford
1095	Bigmore, J.	Forest Cottage, Chigwell Row, Essex
2324	Billimoria, P. F.	Marine Engineer, Kimari, Kar- achi, India
1364	Billington, Percy (Asst. Engr. R.N.R.).	71, Brighton Road, Newhaven
2613	Binyon, A. H.	12, Temple Fortune Court, Golders Green, N.
2812	Bissett, David	Association of Engineers, Singa- pore
506	Black, Blair	53, New Broad Street, E.C.
2046	Black, G. W.	c/o Messrs. Heenan & Froude, Ltd., Caxton House, Westminster
1330	Black, W. J. (Engr.-Capt. R.N.).	12, Park Place West, Sunderland
2110	Black, John C.	Monarch SS. Co., 45, West Nile Street, Glasgow

† Address wanted.

NO.	NAME.	ADDRESS.
3033	Black, Peter Mac-Gillivray	11, Mycenae Road, Blackheath, London, S.E.
2138	Blackburn, Arthur	258, Cranbrook Road, Ilford, Essex
2310	Blackett, J. S.	Lloyd's Reg., San Francisco
644	Blackett, Joseph	16, Philpot Lane, E.C.
2571	Blackett, T. R.	65, Wellmeadow Road, Hither Green, S.E.
2574	Blackie, R. G.	Trecarrell, St. Ives, Cornwall
2295	Blackie, Thos. R.	71, Fenchurch Street, E.C.
2913	Blackmore, Insley (R.D.F.)	Board of Trade Surveyors' Office, Dublin
1609	Blair, D. K.	9, Grey Street, Wellington, N.Z.
3070	Blair, Donald	17, Barrington Drive, Glasgow, W.
2467	Blair, G. C.	52, De Vere Gardens, Ilford, E.
2461	†Blair, Matthew	Address wanted
2801	Blake, A. J.	100, Embleton Road, Lewisham, S.E.
2388	Blake, F. J. (R.D., R.N.E.)	Beach Cottage, High Town, near Liverpool
260	Blake, J.	193, Romford Road, Forest Gate, E.
2927	Blane, Henry C.	28, Hereford Road, Wavertree, Liverpool
245	Blelloch, J.	56, Cecil Road, Plaistow, E.
2394	Blelloch, J., Junr.	Lloyd's Register of Shipping, 449-450, Bourse, Philadelphia, U.S.A.
2396	Blyth, A. T.	Hall Street, Semaphore, S. Australia
1353	Boak, W.	12, Queen Street, Colombo, Ceylon
2648	Boath, David D.	Engineer-in-Charge, Union Jute Mills, Entally, Calcutta
2249	Bodley, Geo.	34, Louisa Road, Long Nose Point, Sydney, N.S.W.
727	Bond, H. T.	372, Central Park Road, East Ham.
3037	Bowman, Jos. M.	The Laurels, Trelaw, Rhondda, Glam.
2040	Boxall, E. W.	Langstone, Havant, Hants

† Address wanted.

NO.	NAME.	ADDRESS.
1342	Boyd, A.	7, Queensberry Avenue, West Hartlepool
1997	Boyd, J. T. M.	"Fordoun," Lapraik Street, Albion, Brisbane
1300	Boyle, Alexr.	"Cartsburn," 18, Northwick Park Road, Harrow
2365	Boyle, A. H. (Engr. Lieut. R.N.)	18, Northwick Park Road, Harrow, W.
2253	Boyling, C. H.	U.S.M.S. <i>Philadelphia</i> , Canada Dock, Bootle, Lancs.
2695	Bradley, C. L.	6, Brandling Terrace, North Shields
1849	Brand, J. C. (Engr. Lieut.-Comdr., R.A.N.)	H.M.A.S. <i>Encounter</i> , Australia
1444	Brander, W. W.	"The Age" Office, Collins Street, Melbourne, Australia
1978	†Brawley, W. T.	Address wanted
2475	Bray, C. M.	"Fashoda," 64, Strada, Crocysisso, Senglea, Malta
2627	Brayfield, T. H. G. (Div. Engr., R.N.R.)	71, Dukes Avenue, Muswell Hill.
2721	Brett, C. B.	C.S. <i>Sentinel</i> , Eastern Telegraph Co., Sierra Leone
446	Brett, W. J. N.	182, Balfour Road, Ilford, Essex
2793	Brettell, W. G.	Colonial House, Water Street, Liverpool
2378	Brewer, J. Herbert	La Usina Electrica, Calle Donada, Bahia Blanca
2107	Bridson, R. H.	2, Hope Street, Greenock, Scotland
2375	Briggs, E. E.	7, Helena Terrace, South Shields
1837	Britton, Wm.	Supt. Engineer, Government Condensers, Aden
1925	Brock, Walter	Levenford, Dumbarton
733	Brolly, A. B.	Saratoga, Santa Clara County, California, U.S.A.
2660	Brotherton, E.	Humber Graving Dock and Engineering Co., Ltd., King's Dock, Immingham
2947	Brough, H. F.	65, Laburnum Avenue, Garden Village, Hull.

† Address wanted.

NO.	NAME.	ADDRESS.
2067	Brown, Herbert	13, Cromwell Terrace, Gateshead-on-Tyne
2010	Brown, Jas.	Messrs. Scott's Shipbuilding and Engr. Co., Ltd., Greenock
1820	Brown, John H.	B.I. Engineers' Club, Box 296, Calcutta, India
2044	Brown, J. M.	39, Belgrave Road, Ilford, E.
1804	Brown, J. McP.	14, Roxburgh Avenue, Higher Tranmere, Birkenhead
166	Brown, L. M.	10, Broomhill Gardens, Green Lanes, Goodmayes, Essex
2236	Brown, P. T. (Lieut., Army Ord. Corps).	Lloyd's Register, 342, Argyle St., Glasgow
2754	Browne, Mark	Engineers' Association, Singapore
1605	Browne, Wallis V., (Sen. Engr. R.N.R.).	Supt. White Star Line, Genoa, Italy
133	Bruce, Robert	4, Lloyd's Avenue, E.C.
2354	Bruce, W. J. Willett (R.D., Ch. Engr., R.N.R., ret.)	Oceanic Chambers, Canada Branch Dock No. 1, Liverpool
2696	Brundrit, Jos.	6, Oriel Chambers, Water Street, Liverpool
2834	†Buchanan, George	Gun Dept., Parkhead Forge and Rolling Mills, Glasgow
2136	Buchanan, John F.	3, Gower Street, Ibrox, Glasgow
2302	Buchanan, J. Miller	810, Hennen Bldgs., New Orleans, La., U.S.A.
3026	Buckwell, Victor Wm. (Sour. Engr., R.N.R.).	H.M.S. <i>Biarritz</i> , G.P.O., London, E.C.
224	Buckwell, G. W.	Board of Trade Surveyor's Office, 73, Robertson Street, Glasgow
1183	Budge, W.	Messrs. Butterfield & Swire, Hong-Kong
2189	Bülow, V. C.	Lloyd's Register of Shipping, Gothenburg
2882	Burbage-Clark, Reuben	17, Harp Lane, Great Tower Street, E.C.
3060	Burdick, A. G.	53, Belgrave Road, Ilford, Essex

† New Address wanted.

NO.	NAME.	ADDRESS.
1562	Burghardt, John	37, Dennison Road, Ealing, W.
2853	Butson, Cecil W.	China Navigation Co., Shanghai
1496	Butt, F. G.	“Little Fowlers,” Hawkhurst, Kent
2263	Cadogan, C. R.	122, Chesterfield Rd., St. Andrew’s, Bristol
359	Caird, E. B.	777, Commercial Road, E.
882	*Caird, P. T.	Greenock, Scotland
2264	Cairns, J. S.	167, Yamashita-cho, Yokohama
2118	Calcaterra, L. J.	590, Sda. Ridolfo, Sliema, Malta
1972	Calderwood, W.	83, Hampton Road, Forest Gate, E.
175	Camelleri, A.	82, Dacre Rd., Upton Manor, E.
2815	Cameron, Jas. D.	58, Finsbury Park Road, Finsbury Park, N.
3068	Campbell, Alexr.	Frigonifico Nuevo, Zarate F.C.C.A., Buenos Aires, Argentine
2195	Campbell, Angus	158, Whalley Road, Whalley Range, Manchester
2490	Campbell, Archd.	Marine Board, Brisbane, Queensland
2839	Campbell, D.	Marine Engineers’ Institute, Shanghai
1049	Campbell, P. T.	36, Muswell Av., Muswell Hill, N.
2260	Campbell, Robt.	40, Empress Avenue, Wanstead Park, Essex
2196	Canham, Frank	c/o Morrison, 27, Bank Street, Greenock
1674	Carmichael, H. F.	“Glenshiel,” King’s Road, Hor- sham, Kent
2591	Carstairs, W.	Chief Engr., Messrs. Jardine, Matheson & Co., Hong-Kong
2756	Carter, George J.	Messrs. Cammell, Laird and Co., Ltd., Birkenhead
2060	Casebourne, S. D.	13 Castle Street, Liverpool
2212	Catt, Frank V.	Engineer, C.S. <i>Sentinel</i> , c/o Eastern Telegraph Co., Malta
1767	Chappel, H. W.	101, Whyteville Rd., Forest Gate
2247	Charnock, John E.	Weyside Engineering Works, Farn- ham Road, Guildford, Surrey

* Life Member.

NO.	NAME.	ADDRESS.
2230	†Cheney, John P.	Address wanted
77	Chisholm, H. (R.D., Engr. R.N.R., ret.).	"Cotterton," 7, St. Margaret's Road, Manor Park, Essex
2563	*Chisholm, W. J. A. (Engr.-Lieut., R.N.R.).	22, Chatsworth Street, Sunderland
1263	Clapham, W.	61, Duckworth Lane, Girdlington, Bradford, Yorks
2413	†Clark, C. W.	Address wanted
2772	Clark, Geo.	West Avenue, Horton, South Shields
704	Clark, John	10, Harold Road, Upper Norwood, Surrey
1672	Clark, J.	"Innellan," Seagry Road, Wan- stead, Essex
2690	Clark, John	Shore St., Anstruther, Fife
2177	Clarke, Harry	Myrtle Park, Lenzie, Scotland
1857	Clarke, R. T.	P. & O. Dockyard, Mazagon, Bombay
2276	Cleator, Chas. K.	Bathurst Villa, Devonshire Road, South Lambeth, S.W.
139	Cleghorn, G.	135, Osborne Road, Forest Gate, E.
2595	Clements, A. B.	Albion Works, Woodville Street, Govan, Glasgow
2753	Cloudsley, Alexr.	Asst. Fleet Engineer, I.F.C., Dalla Dockyard, Rangoon
2100	Clyne, William	Durham House, Stepney, E.
2976	Coates, Edward	4, Anne Terrace, City Road, Bre- chin, Scotland
1897	Cochrane, James T.	88, Cornhill Terrace, Leith, N.B.
560	Collings, J. W.	60, Coombe Rd., Croydon, Surrey
3046	Collinson, Digby S. H. (Engr.-Lieut., R.N.).	"The Elms," Sparrows Herne, Bushey, Herts
2352	Common, John B. A.	Lloyd's Register of Shipping, Mid- land Bank Chambers, Bridge Street, Newport, Monmouthshire
1666	Connell, C.	Port-na-haven, Islay, Scotland
1700	Constantine, R.	Collingdon Road West, Bute Dock, Cardiff

† New Address wanted.

* Now prisoner in Ruhleben Camp.

NO.	NAME.	ADDRESS.
2611	Cook, Archibald	Association of Engineers, Singapore
2683	Cook, D. S.	Chief Engr., Messrs. The B.I.S.N. Co., Bombay
1783	Cook, John	The Nairobi Eng. Works, Ltd., Nairobi, British East Africa
2217	Cook, John Foden	35, Nottingham St., North Strand, Dublin
2448	Cook, John N.	Messrs. Barry, Hendry & Co., 155, Fenchurch Street, E.C.
1108	Cooke, Alfred	36, Argyle Road, Ilford, Essex
3015	Cooke, Alfred Lewis	9, Minster Road, West Hampstead, London, N.W.
2904	Coomber, R. H.	92, Osborne Road, Jesmonde, Newcastle-on-Tyne
171	Cooper, F. R.D. (Ch. Engr. R.N.R. ret.).	"Lochnagar," Meadow Hill Road, King's Norton, Birmingham
2600	Cooper, J. W.	Park Villas, Cottingham, E. Yorks
1902	Copeman, W. C. J.	Wellsbank, Granville Road, Ilford, E.
2782	†Coppinger, C. W.	Address wanted
3010	Corbett, John James	9, Stopford Road, Upton Manor, Essex.
2319	†Cornell, W. G.	Address wanted
2016	Corner, Jas.	5, Brune Terrace, Gosport, Hants.
2176	Cornish, H. P.	71, Fenchurch Street, E.C.
2229	Cornish, J. H. M.	"Whitehall," Forest Drive, Manor Park, E.
2634	Costigan, R.	111, Chirton West View, North Shields
1718	Cowan, John	22, Writers' Bldgs., Calcutta
2430	Cowan, W.	Grenach, Rothesay, Scotland
1987	Cowie, D. M.	36, Lord Nelson Street, Liverpool
2549	Cowie, William	Lloyd's Register of Shipping, Collingwood Buildings, Newcastle-on-Tyne
2382	Crabb, Thos.	Venesta Factory, Kamarhati, 24, Perganas, Bengal, India
759	Craig, J. C. (Sen. Engr. R.N.R.).	33, Redcliffe Gdns., The Drive, Ilford, E.

† Address wanted.

NO.	NAME.	ADDRESS.
1874 4	Craig, William J. *Craig, W. J.	Civil Lines, Cawnpore, India 77, Harpenden Road, South Wan- stead, N.E.
1711	Craven, C. O.	Ashleigh, Park Rd., West Hartle- pool
2050	Crennell, E. A.	62, Bayswater Road, West Jes- mond, Newcastle-on-Tyne
949	Crichlow, W. G.	60, Norfolk Road, Seven Kings, E.
1623	Crighton, J.	107, Bedford Road, Bootle, Liver- pool
2087	Crockart, A.	24, Granville Street, Hull
2674	Croft, H.	Springwell Terrace, South Queens- ferry, Scotland
2101	Crompton, Frank	"Tamesis," Buckingham Road, Wanstead, N.E.
1790	Crompton, T. A.	29, Clarendon Gardens, Ilford
2531	Cromwell, O.	92, Wanstead Park Avenue, Manor Park, E.
1518	Crookston, J.	72, Mark Lane, E.C.
2921	Crosbie, Walter S.	Marine Engineers' Institute, Shanghai
2701	Crosby-Jones, F.	Messrs. R. Gay & Co., Ltd., Caxton House, Westminster, S.W.
322	Cross, A. N.	3A, Sackville Gardens, Ilford, Essex
2527	Crow, Lewis	70, Merchant's Exchange, Cardiff
1965	Cummins, W. R.	Messrs. Geo. Clark, Ltd., South- wick Engine Works, Sunderland
3675	Curnow, W. L.	18, Oriental Street, Poplar, London, E.
2609	Currie, John	5, Hougemont Avenue, Waterloo, Liverpool
2820	Currie, John	"Glenure," Broomberry Drive, Gourock, Scotland
2680	Dadachanji, D. K.	Chief Engr., SS. <i>Sumatra</i> , c/o Messrs. Andrew Weir & Co., Middlesborough, Yorks
2892	Dalton, C. E.	Saint John, New Brunswick

* Life Member by Election.

NO.	NAME.	ADDRESS.
2062	Dalton, R. H.	<i>c/o</i> H. Hopkinson & Co., Ltd., Imperial House, Kingsway, W.C.
1909	Dalziel, James	1, Taikoo Tce., Quarry Bay, Hong-Kong
1090	Daniel, N. T.	30, Mount Stuart Square, Cardiff
2581	Dashper, E. H.	2, Westridge Road, Portswood, Southampton
2284	David, John	3, Pier Head Chambers, Bute St., Cardiff
2728	Davidson, Alexr.	10, Old Mill Lane, Formby, nr. Liverpool
1411	Davidson, W.	B. I. Engineers' Club, Box 28, Ravelin Street, Bombay
2829	Davies, Martin O.	Riverside, Kidwelly, South Wales
2248	Davies, Walter	72, Middlesbro' Road, South Bank, Yorks
3084	Davis, Lewis Conway	3, Park Avenue, Roker, Sunderland
1658	Daw, H. M. W.	Board of Trade Office, Glasgow
2557	† Dawson, Rbt. H.	Address wanted
849	Day, A. J.	Northam Ironworks, Southampton
2283	Deacon, Harold O.	Upper Park, Loughton, Essex
2216	Dearden, H. G.	<i>c/o</i> The Commonwealth Dominion Line, Ltd., 9 and 11, Fenchurch Avenue, London, E.C.
1913	DeMeo, Giovanni B.	Ingegnere, Via XX Settembre 41, Genoa, Italy
658	*Denny, James (Past President).	Engine Works, Dumbarton
67	Denny, P.	Crosslet, Dumbarton
2915	De Ritter, Sydney	1, Agnes Street, Burdett Road, London, E.
2859	Dewar, James M.	Messrs. Cammell, Laird & Co., Ltd., 3, Central Buildings, Westminster, S.W.
2745	Dewar, Peter	<i>c/o</i> African Lakes Corporation, Ltd., Chinde, East Africa
1167	Dewrance, J.	165, Great Dover Street, S.E.
1540	Dibb, W. J. (B.D., Engr. R.N.R.).	Chichester Lodge, Devonshire Road, S. Lambeth, S.E.

* Life Member by Election.

† Address wanted.

NO.	NAME.	ADDRESS.
1575	Dick, D. T.	116, Hampton Road, Forest Gate, E.
1517	Dick, J. B.	21, Terrace Road, Plaistow, E.
1893	Dickinson, John T.	18, Greenholm Rd., Eltham, Kent
2739	Dickinson, W. E.	57, Birchdale Rd., Forest Gate, E.
973	Dingle, F. C.	"Lyne Regis," 68, Hill Lane, Southampton
2141	Dingle, P. E.	"Hazelwood," Regent's Park, Southampton
2148	Dodd, T. G.	Lloyd's Register of Shipping, 1123, Dime Savings Bank Building, Detroit, Michigan, U.S.A.
2025	Doherty, P. S.	90, Ritherdon Rd., Balham, S.W.
1914	Doig, E. J. (Engr. Sub-Lieut., R.N.).	37, Courtland Avenue, Ilford, Essex
2968	Dommett, W. E. (Lieut., R.N.V.R.).	Admiralty Overseer, <i>c/o</i> Arm- strong, Whitworth & Co., Avia- tion Dept., Gosforth, Northum- berland
240	Don, T.	35, Meeching Road, Newhaven, Sussex
1960	Donald, W.	Messrs. Hanna, Donald and Wilson, Paisley
1597	Donaldson, D.	1, Lloyd's Avenue, E.C.
912	Double, F. W.	112, Orford Road, Walthamstow, N.E.
2997	Douglas, Coventry P.	"Lincluden," Raynes Park, London, S.W.
1240	Doust, R.	57, Kent Road, Gravesend, Kent
2605	Dowden, Percy P. (Sergt., A.S.C.)	"Lincluden," Raynes Park, London, S.W.
1784	Downs, C. S.	6, Clarence Lawn, Dover
2333	Drake, Francis	8, Brockley Rise, S.E.
1881	Drewry, H. K.	<i>c/o</i> Messrs. Buck & Hickman, Ltd., 3, Cross Street, Manchester
173	Drewry, T.	58, Claremont Rd., Forest Gate, E.
3023	Driver, Shavak C. M.	Khatwadi Back Road, Girgaum, Bombay
2900	Driver, Wm. A.	16, St. Vincent St., South Shields
2623	Duck, R. E.	Myrtleberry, Whitechurch, Glam.
2215	Ducoster, Francis	Viale Elena 24, Naples, Italy

NO.	NAME.	ADDRESS.
2795	Duff, John B., B.Sc.	15, Buckingham Avenue, Birkenhead
2794	Duff, Peter	Messrs. J. Gordon Alison and Co., Ltd., Birkenhead
1992	Dumbell, Wm. T.	35, Crosby Road, Seaforth, Liverpool
1217	Dunbar, A.	Prince's Wharf South, Melbourne, Australia
1604	Duncan, Geo. G. C.	"Hillside," Hivenhoe, Essex
2242	Duncan, R. N.	Companhia Frigorifica e Pastoral, Barretos, Sao Paulo, So. America
3049	Duncanson, James Hall	c/o Irrawaddy Flotilla Co., Ltd., Box 129, Rangoon, India
1198	Dunlop, John	7, Grange Road, Pendleton, nr. Manchester
2717	Dunlop, Thos.	Strathclyde, St. James' Road, Southampton
2872	Dunn, Frank W.	15, Elmfield Road, Balham, London, S.W.
2951	Dunn, John	67, Cleveland Road, Sunderland
2726	Dunn, Robt. J.	c/o Norton, 17, Park Gate, Roker, Sunderland
944	*Durstun, Sir A. J. K.C.B. (E. Vice-Adml., R.N.). (Past President).	"St. Andrews," Westcombe Park Road, Blackheath, S.E.
1984	Durntall, W. P.	"Glengair," Sydney Road, New Southgate, London, N.
2476	Dye, C.	Northwold, Stoke Ferry, Norfolk
2175	Dykes, John	Lloyd's Register of Shipping, Tower Buildings, Liverpool
2318	Earnshaw, V. R.	Awanui Wireless Station, Kaitaia, Auckland, New Zealand
1884	Earnshaw, Wm. (Engr.-Lieut., R.N.).	4, Watson Street, Wellington, N.Z.
2208	Easthope, James	50, Lauderdale Gardens, Hyndland, Glasgow
294	Edgar, George (Sr.)	Earl Russell Hotel, Lawrence Hill, Bristol

* Life Member by Election.

NO.	NAME.	ADDRESS.
2001	Edgar, Geo. Jnr.	Messrs. Port Talbot Graving Dock and S.S. Co., Dry Docks, Port Talbot, S. Wales
2759	Elderton, Alfred J. (Engr. Lieut. R.N.)	222, St. Vincent's Road, Dartford, Kent
743	Elkin, W.	23, Birkbeck Road, South Ealing, W.
1228	Elliot, John	37, Newport Road, Cardiff
1323	Elliott, Jas.	Resident Engr., Hong Kong Hotel, Hong Kong, China
1759	†Elliott, John	Address wanted
536	Elliott, R., B.Sc.	Woodleigh, Thorold Road, Bitterne Park, Southampton
2977	Ellis, Wm. E.	43, Billiter Buildings, London, E.C.
690	Elmslie, J. E.	113, Drakefield Rd., Balham, S.W.
2582	Esmond, E. G.	22, Chester Road, Forest Gate, E.
2073	Esplen, James J.	22, Billiter Street, E.C.
2425	Esplin, W. J.	Union Steam Ship Co., Ltd., Port Chalmers, N.Z.
2659	Evans, Daniel	Messrs. Evans, Deakin & Co., Edward & Mary St., Brisbane, Australia
1737	Evans, E. H.	17, Chelmsford Road, Leytonstone, London, Essex
1748	Evans, F. S.	18, Palace Grove, Bromley, Kent
1653	Evans, J. H.	53, Boyne Road, Lewisham, S.E.
1952	Eversfield, F. F.	"St. Bees," Cumberland
1742	Fadden, J. B.	Senior Engr. Surveyor, Marine Board Offices, Melbourne, Australia
249	Fairles, G. W.	Bank House, Alexander Road, Parkstone, Dorset
2763	Fairley, Jas. W.	c/o B.I.S.N. Co., Victoria Docks, London, E.
1717	Falcon, J.	The Oaks, Hermon Hill, Wanstead, Essex
2035	Fallon, Alexander	Silverton, nr. Exeter, Devon
555	Farenden, W. E.	Kilsby, Berrylands Road, Surbiton, Surrey

† Address wanted.

NO.	NAME.	ADDRESS.
2526	Farmer, E. C.	"Hillside," Barnsole Road, Gillingham, Kent
2555	†Farmer, W. D.	Address wanted
2172	Farminer, A. E.	Lloyd's Register of Shipping, 71, Fenchurch Street, London, E.C.
2279	Farquaharson, D. C.	"Edenside," Cupar, Fife, Scotland
400	Fawdon, H. W., (Sen. Engr. R.N.R.)	The Gables, Rancliffe Road, East Ham, Essex
2477	Fenwick, Walter	168, Balmoral Road, Gillingham, Kent
2498	Ferguson, Chas. M.	11, Queen Victoria Street, E.C.
2368	Ferguson, Jas.	14, Boundary Road, East Ham, E.
1946	Ferguson, John H.	Almirante Lynch, Circulo Naval, Valparaiso, South America
2495	Ferguson, T. R.	160, Third Avenue, Ottawa, Canada
1699	Fergusson, Wm. L.	115, Bute Road, Cardiff
2466	Ferrier, D. G.	G.T.P.S.S. Co., Vancouver, B.C.
2713	Fielden, B. P.	19, The Drive, Ilford, E.
1906	Findlay, Alex.	Thorndean, Helensburgh, Scotland
2918	Finlayson, Alexr.	British Engrs. Club, Box 296, Calcutta
2926	Finlayson, J. D.	c/o Messrs. Butterfield & Swire, Shanghai
561	Finneev, P. J.	97, Church St., Old Charlton, S.E.
1722	Fitch, E. L.	7, South Place, Finsbury, E.C.
2000	Fitch, J. R. M.	Lawford Iron Works, Manningtree
1188	†Fitzgerald, J. C.	Address wanted
1908	Flanagan, Matthew	4, Grange Terrace, Leeds
422	*Flannery, Sir J. F., Bart., M.P. (Past President).	9, Fenchurch Street, E.C.
2572	Fleming, R. H. (R.D., R.N.R.)	38, Howard Road, Shirley, Southampton
1695	Fleming, T.	26, Courtland Avenue, Ilford, E.
1758	Flockhart, J. A.	"Ingleneuk," Myers Road West, Gt. Crosby, Liverpool
2575	Florence, G. L.	16, The Circus, Greenwich, S.E.

* Life Member.

† Address wanted.

NO.	NAME.	ADDRESS.
2079	Flower, C. A.	<i>c/o</i> Messrs. Houlder Bros. & Co., Ltd., 146, Leadenhall Street, London, E.C.
2308	Ford, A. F.	Messrs. The P. & O. S. N. Co., Aden
509	Ford, William	Glendorgal, Malford Grove, South Woodford, Essex
2704	Forrest, H. R.	9, Broadway Mansions, Winchmore Hill, London, N.
2746	†Forrester, W. G.	Address wanted
3082	Forster, Herbert C.	Lloyd's Register of Shipping, 17, Wind Street, Swansea
2681	Foster, Thos.	"Glenview," Dalnottar Road, Old Kilpatrick, Scotland
3065	Fotheringham, J.	18, Alexandra Park Road, Muswell Hill, London, N.
2171	Fowell, Ridley	Huntcliffe, Cults, Aberdeen
2254	Fowler, W. P.	45, Croft Avenue, Sunderland
1177	(Engr. Sub-Lieut., R.N.R.) Fowles, Robt.	"Ovingdene," St. Margaret's Road, Wanstead Park, N.E.
2816	Fowling, Charles	101, Lewisham High Road, New Cross, S.E.
2094	H. (Engr. Lieut. R.N.). Fox, Leonard M.	Windsor Lodge, Upper Richmond Road, Putney, S.W.
2622	Frank, A. E.	Elton, Granville Avenue, West Hartlepool
1515	Fraser, Alex. G.	Benrines, Singlewell Road, Gravesend. Kent
609	Fraser, J. D.	Port Trust, Karachi, India
2883	Freeman, Sterry B.	Messrs. Alfred Holt & Co., India Buildings, Liverpool
2309	French, Harold H.	<i>c/o</i> Messrs. Turner, Morrison & Co., P.O. Box 68, Calcutta
1679	French, J. H.	8, Fillebrook Road, Leytonstone, N.E.
2878	Friedenthal, R.	6, Powis Road, Ashton-on-Ribble, Lancs.
3007	Froude, Walter H.	44, Stanbury Avenue, Fishponds, Bristol
2766	Fulton, David W.	149, Great Western Road, Glasgow

† Address wanted.

NO.	NAME.	ADDRESS.
458	Gale, J.	P. & O. Dockyard, Mazagon, Bombay
437	Gale, W.	Burleigh Place, Addlestone, Surrey
2712	Gammon, R. W.	39, Wortley Road, Plashet Grove, East Ham, E.
1896	Gander, Jas. S.	<i>c/o</i> The Anglo Saxon Petroleum Co., Ltd., Winchester House, Singapore
177	Gardiner, W.	58, Durham Rd., Manor Park, E.
2993	Gardner, Robert Haswell	35, Dunstan Road, Child's Hill, London, N.W.
1644	Gardner, W.	45, Leadenhall Street, E.C.
2987	Gardner, Wilfrid A.	35, Granville Avenue, West Hartlepool
2170	Gardner-Smith, H.	"Headingley," Benhill Wood Road, Sutton, Surrey
2395	Garnham, W. T	<i>c/o</i> Sociedad Explotadora de Tierra del Fuego, Puerto Bories, Punta Arenas, Chile
1325	Gates, W.	2, Morpeth Avenue, South Shields
1064	Gatheridge, T. R.	43, Plantagenet Street, Cardiff
2961	Geach, George E.	63, Basildon Road, Plumstead, S.E.
1416	Gerard, Thomas	28, Claremont Road, Forest Gate, E.
1501	Gerrie, A. B.	5, Marine Place, Aberdeen
1887	Gibbons, W. G.	<i>c/o</i> Messrs. John Snencer & Sons, Newburn Steel Works, Newcastle-on-Tyne
2761	Gibson, J. Hamilton	Messrs. Cammell, Laird and Co., Ltd., Birkenhead
1372	Gilbert, C. H.	Carisbrooke, Sidcup, Kent
2410	Gilby, Hy.	6A, Flint Street, Singapore
1269	Gilby, J. N.	18, Bargery Road, Catford, London, S.E.
2144	Giles, E. W.	B.I.S.N. Co., Bombay
2463	Gillet, J. N.	34, Chesterfield Road, St. Andrew's
501	Girdwood, Adam	39, Kilmaure Road, Edinburgh
451	Girdwood, J. F.	<i>c/o</i> B.I. Engineers' Club, Calcutta, India
62	Girvin, J.	High St., Carrickfergus, Ireland

NO.	NAME.	ADDRESS.
1104	Glassford, H.	B. I. Engineers' Club, Calcutta
2743	Glasspool, J. H.	Chief Engineer, T.G.R. Steamers, San Fernando, Trinidad
1524	Goldsbrough, T.	31, Clive St., Grangetown, Cardiff
2767	Goddard, J. Alan	"Marbury," Lyndhurst Avenue, Low Fell, Gateshead-on-Tyne
2259	Gordon, John S.	27, Belmont Park, Lee, London, S.E.
2938	Gordon, Wm.	90, Clapham Road, Lowestoft
2200	Graham, A. T.	Malabar, Sketty, Swansea
2630	Graham, Jas. W.	Messrs. The Hong-Kong & Wham- poa Dock Co., Hong-Kong
3039	Graham, John	37, Baring Street, South Shields
1337	Graham, W. A.	Hillside, Newhaven, Sussex
2684	Grant, Andrew	Messrs. Sprostons, Ltd., Wismar, British Guiana
2251	Grant, John	51, Wood End Lane, Erdington, Birmingham
2315	† Grant, John	Address wanted
1284	Grant, Thos. F.	P.O. Box 205, Kimberley, S. A.
2153	Gravell, John	Hampton House, Teddington, M'sex
1833	Gray, A. H.	Western Engr. & Foundry Co., Ltd., Fremantle, W. Australia
2788	Gray, Geo. Macfar- lane	Board of Trade Office, Cork
2358	Grayson, H. M.	Royal Liver Buildings, Liverpool
2525	Grearson, J. T.	36, Hatherley Gardens, East Ham.
1358	Green, D. Percy (Engr. Capt., R.N.)	H.M.S. <i>Lion</i> , c/o G.P.O. London
1395	Green, E. W.	Blackwall Yard, London, E.
5	Greer, D.	55, Leyspring Rd., Leytonstone, E.
2866	Greig, George T.	42, Wanstead Park Avenue, South Wanstead, Essex
2691	Greig, Kenneth E.	Cornhill, Quarry Bay, Hong-Kong
2545	Grieve, C. J. K.	Post Box No. 20, Kuala Lumpur, Federated Malay States
2296	Grieve, John	71, Marlborough Avenue, Broom- hill, Partick, Glasgow
3042	Griffith, H. I.	"Glendur," Ray Park Avenue, Maidenhead, Berks

† Address wanted.

NO.	NAME.	ADDRESS.
2127	Grubb, J. R.	<i>c/o</i> Shakespeare, 20, Asquith Avenue, Park Road North, Birkenhead
2487	Gruchy, P. J.	1, Stopford Road, Jersey, C.I.
2325	Guy, Wm. J.	Uplands North, Grange Road, Ryton-on-Tyne
3079	Gwynne, J. Wm.	2, Parade, Barry, S. Wales
2825	Hadland, Victor	42, Clarendon Road, Bedford
2371	Haig, Robt.	324, The Bourse, Philadelphia, U.S.A.
2275	Haigh, W.	369, East India Dock Road, E.
2258	Hake, G. A.	200, Ferry Road, Leith
980	Hale, C. W. (Ch. Eng. R.N.R., ret.).	26, Alexandra Road, Redland, Bristol
253	Halket, J. P.	Glengall Iron Works, Millwall, E.
2887	Hall, Henry M.	SS. <i>Kurichow</i> , <i>c/o</i> Messrs. Butterfield & Swire, Hong Kong
2392	Hall, J. Cochar	P.O. Box 768, Durban, South Africa
2865	Hall, Robt.	Harbour Office, Hong Kong
2598	Hammond, John C.	Ovenwood, Edenbridge
2931	Hanick, John	Dalhousie Jute Mills, Baidyabete P.O. Bengal
1551	Hannah, J.	<i>c/o</i> Mackie, 555, Crow Road, Jordanhill, Glasgow
1357	Hardecastle, C. V. (Engr. Comdr. R.N.).	Navigation School, H.M. Dockyard, Portsmouth
1911	Hardy, William	"Ulidia," Dromalane, Newry
1973	Hare, L. R. G.	Messrs. Jas. Howden & Co., Ltd., 9, Billiter Square, E.C.
2875	Hargreaves, Herbert	Resident Engineer, Messrs. The St. Vincent Coaling Co., Ltd., Cape Verde Islands
2494	Harold, H. F. (Engr. Lieut.-Comdr. R.N.).	H.M.S. <i>Assistance</i> , 2nd Battle Squadron, G.P.O. London
339	Harrap, G. T.	5, Budge Row, Cannon St., E.C.
2906	Harrison, A. J.	292, Beverley Road, Hull
2570	Harrison, R. D. (R.F.).	The Briars, Longfield, Kent

NO.	NAME.	ADDRESS.
1983	Harvey, F. (Chief Engr., SS. "Kia Ora").	c/o Messrs. Shaw, Savill & Albion Co., Ltd., 34, Leadenhall Street, London, E.C.
2624	Harvey, Fredk.	"Marchburn," Riding-Mill-on-Tyne
2340	Harvey, H. C. J.	22, Chalsey Road, Brockley, Lon- don, S.E.
3072	Harvey, John B.	"Lyndale," Leid Street, Sandown, Isle of Wight
2983	Harwood, Chas. B.	3, Woodstock Gardens, Goodmayes, Essex
337	Haslam, Sir A. S.	Breadsall Priory, Derby
3012	Hawley, Wm. P.	North Guards, Whitburn, Sunder- land
6	Hawthorn, J. G.	41, East India Dock Rd., Poplar, E.
2335	†Haxton, Robert	Address wanted
2953	Hayles, William	7, Borthwick Rd., Leytonstone, N.E.
695	Haynes, F. G., (Engr. R.N.R.).	Naval Forces, Port Johnson, N.E. Lake Nyassa, British Central African Protectorate
2223	Heck, John S.	Lloyd's Register of Shipping, 89, State Street, Boston, Mass, U.S.A.
2924	Hegg, Thos. John	85, Woodford Rd., Forest Gate, E.
2323	Henderson, Alex. J.	76, Bank St., Bootle, Liverpool
2811	Henderson, James	Chief Inspector, Machinery De- partment, Brisbane, Queensland
1705	Henderson, J. S.	B.I. Engineers' Club, Wodehouse Road, Bombay
1495	Henderson, W.	37, Romilly Road, Cardiff
2057	Henderson, Wm.	22, Alexandra Terrace, Bedford Road, Birkenhead, Cheshire
2632	Hendry, A. S.	Messrs. Butterfield & Swire, Shanghai, China
2560	Henry, J. W. (Wr. Engr., R.N.).	84, Richmond Road, Cardiff
1993	Hepworth, A. H.	74, Fairlop Rd., Leytonstone, N.E.
2202	Heron, A. C.	Lloyd's Register of Shipping, Sydney, N.S.W.
2218	Heron, Crawford	"Armada," Mumbles, Glam.

† Address wanted

NO.	NAME.	ADDRESS.
3066	Heron, George	"Arisaig," 718, Kampong Bahru Road, Singapore, S.S.
1585	†Hesketh, J. E.	Address wanted
1193	Higgins, A.	111, King Henry's Rd., Hampstead, N.W.
1256	Highet, Wm. (R.D. Sen. Engr. R.N.R.).	B.I. Engineers' Club, Bombay
2626	Hindman, G. H. (Chief Engr., "Investigator").	c/o Supt. Royal India Marine, Bombay
1900	Hoar, H. S. (Engr.-Lieut.-Comdr, R.N.).	28, Harthill Avenue, Allerton, Liverpool
176	Hodgson, S.	74, Cornwall St., W. Hartlepool
2840	Hogg, James	41, Winstanley Road, Waterloo, Liverpool
1944	Holliday, Thos.	42, Lawson Street, Maryport, Cumberland
2922	Hollings, G. W.	"Burnside," Wallsend-on-Tyne
2426	Hollingum, H. J.	"Clova," St. John's Road, Knutsford, Cheshire
2583	Hollins, G. O. (Chief A.E., R.N.).	H.M.T.B.D. <i>Grasshopper</i> , G.P.O., London, E.C.
228	Holman, H. W.	4, Lloyd's Avenue, London, E.C.
2473	Holthusen, L. C. (2nd Lieut., 13th Essex Rgt.).	102, Claremont Road, Forest Gate, E.
2089	Holt, Chas.	56, Coburg Street, Gateshead
1803	Horsnell, T.	47, Galveston Rd., East Putney, S.W.
371	Houfe, W. W.	c/o Messrs. Butterfield & Swire, French Bund, Shanghai, China
3077	Houldin, Hiram R.	19, Botanic Road, Edge Hill, Liverpool
1785	Houston, P. T.	57, Gracechurch Street, E.C.
3036	Houston, Wm. C.	31, Clarendon Gardens, Ilford, Essex
2092	Hovenden, F.	Victoria Chambers, Working St., Cardiff
1858	How, H. G.	B.I. Engineers' Club, 2, China Bazaar St., Calcutta
1459	Howarth, C. A.	258, Kenmure Street, Pollokshields, Glasgow

† Address wanted.

NO.	NAME.	ADDRESS.
1854	Howe, H. L.	30, Lake House Road, Wanstead, Essex
1283	Howell, W. S.	47, Cowley Road, Ilford, Essex
1379	Howie, Jas.	8, Eleanor Rd., Stratford, E.
2350	Hudson, C. J.	Lloyd's Register of Shipping, 17, Battery Place, New York, U.S.A.
2400	Hudson, Chas. (Engr. Lieut. R.N.).	22, Peahill Gardens, Sydenham, S.E.
1455	Hudson, G. C.	132, Woodville Road, Thornton Heath, Surrey
1338	Hudson, G. W. (Engr. Rear-Admiral, R.N.).	"Graspan," 224, Nelson Road, Gillingham, Kent
2643	Hudson, Henry	30, Conway Road, Southgate, London, N.
2546	Hudson, Wm.	2, Washington St., Beverley Rd., Hull
2169	Hughes, Chas. R. (Engr. R.N.R.).	71, Fenchurch Street, E.C.
1786	Hughes, Thomas	Solway, Buarth Rd., Aberystwyth
2992	Hull, Mark	c/o Indo-China Steam Navigation Co., Hong Kong
1381	Hulme, D.	19, Acland Street, Limehouse, E.
2356	Hume, J. Howden	195, Scotland Street, Glasgow
1596	Hunter, E. L.	33, Kent Road, Gravesend, Kent
2343	Hunter, J. G.	Lloyd's Register of Shipping, Cardiff
3067	Hunter, John	Richmond Villa, Harton, South Shields
1800	Hunter, J. Y.	Temora, West Cults. Aberdeen
2879	Hunter, Peter H.	"The Anchorage," Millport, Bate- shire
2642	Hunter, Robt.	Institution of Engineers and Ship- builders, Hong-Kong, China
2240	Hunter, Summers (Past President).	Northumberland Engine Works, Wallsend-on-Tyne
2710	Hunter, Summers, Junn.	1, Manor Terrace, Tynemouth
1694	Hutchings, Henry	193, Goldhawk Rd., Shepherd's Bush, W.
1937	Hutton, S.	SS <i>Itonus</i> , A 23, c/o J. Ross, Alex- andria, Egypt

NO.	NAME.	ADDRESS.
993	Inglis, G.	67, Capel Road, Forest Gate, E.
1246	Inglis, John, LL.D. (Past President).	Point-house Shipyard, Glasgow
2736	Inglis, Peter	3, Fulbar Street, Renfrew
2059	Inman, James	Toureen Terrace, Passage West, Co. Cork, Ireland
2220	Innes, James	14, Cross Shore Street, Greenock, Scotland
2290	Irving, John	Engine Works, Dumbarton
1713	Irwin, E. B.	37, Crofton Road, Ealing, London, W.
2205	Isakson, Albert	2, Bredgrand, Stockholm
2747	Isbister, John D.	Association of Engineers, Singa- pore
2214	Jaboolee, K. R.	Khatwadi Back Road, Girgaum, Bombay
1918	Jack, Joseph	Rua Infanteria Dezaseis, No. 59, Estrella, Lisbon
2903	Jackson, D. H.	Marborough, Milngavie, Scotland
2536	Jackson, Jas. P.	82, Loraine Mansions, Widdenham Road, Holloway, N.
3021	Jackson, Lyndon	"Leaholm," Rancliffe Road, East Ham, London, E.
1687	James, F. W. (Engr. R.N.R.).	c/o Messrs. Butterfield & Swire, Hong-Kong, China
2682	Jamieson, John	223, Berkeley St., Glasgow
1425	Jarvis, T. H.	Engr., B.I.S.N. Co., Bombay, India
2535	Jeffery, E. J. (C.E.A., R.N.).	H.M.T.B. No. 16, Dartmouth
3085	Jeffery, Samuel	1, Hampden Road, Hornsey, N.
2432	Jemsetji, D.	Karachi Port Trust, Karachi, India
1656	Jenkins, D.	26, Loudoun Sq., Cardiff
2540	Jessel, Wm.	51, Francis Street, Leeds
1977	Jobling, A.	47, Herongate Road, Manor Park, E.
2134	Johnson, H. G.	65, Southwold Mansions, Elgin Avenue, London, W.
2974	Johnson, Herbert P.	12, The Avenue, Wallsend-on-Tyne, Northumberland

NO.	NAME.	ADDRESS.
2843	Johnson, Lionel I.	4, Oxford Road, Linthorpe, Middlesbrough
2427	Johnson, R. L. G.	Engineers' Institute, Nanking Rd., Shanghai
1463	Johnson, T. Allan	Clive Hall, Canton, Cardiff
2641	Johnston, Alex.	Southfield, Townhead, Coatbridge, N.B.
2145	Johnston, Jas.	Pitt Street, Sydney, N.S.W.
2524	Johnston, Walter	36, Bank St., Hillhead, Glasgow
2168	Jones, A. P.	16, Rue Beauvau, Marseilles, France
2203	Jones, Arthur L.	16A, Harima Machi, Kobe, Japan
2384	Jones, Daniel G.	"Kingswood," Yorwerth Avenue, Aberystwyth
2213	Jones, F. H.	Chief Engineer SS. <i>Patrick Stewart</i> , Manora, Karachi, India
1688	Jones, F. M. (Engr. R.N.R.).	Abergavenny, Dorset Place, Wey- mouth
3034	Jones, Fred. Percival (Engr.-Lieut., R.N.).	5, John Street, High Street, Merthyr Tydfil, Wales
2554	Jones, G. Lloyd	Belmont, Ember Lane, Esher
2322	Jones, Gerald M.	"Sahtoo," Kohinoor Avenue, Bushey, Herts
2963	Jong, John de	c/o Buck & Hickman, Ltd., 3, Cross Street, Manchester
2391	Jordan, A. E.	Salvage Association, 68, Broad St., New York, U.S.A.
810	Jordan, W.	3, Landguard Road, Southampton
2434	Kairis, A. Z.	85B, Odos Mauromichali, Athens, Greece
2499	Kay, Wm. B. (E.R.A., R.N.).	9, College Avenue, Gillingham, Kent
2608	Kehoe, J. J.	32, Surbiton Road, Southchurch, Southend-on-Sea
3003	Keith, James	"Dunottar," Shoot-up-Hill, Cricklewood, N.W.
2013	Kelly, J. R.	24, Victoria Road, Barrow-in-Fur- ness

NO.	NAME.	ADDRESS.
1560	Kelly, S.	B.I. Engineers' Club, 2, China Bazaar Street, Box 296, Calcutta
1915	Kelly, Thos. Daniel	19, Wilbury Crescent, Hove, Sussex
3032	Kelt, James (Chief Engr.).	c/o Reid, Newfoundland Co., St. John's, Newfoundland
2289	Kemnal, J. H. R.	Kemnal Manor, Chislehurst, Kent
1234	Kennedy, R. S.	Glengall Iron Works, Millwall, E.
2243	Kerr, J.	Lloyd's Register, Lloyd's Bank Chamber, Middlesborough
2192	Kerr, W.	2, Rue Racine, Nantes, France
2363	Kharas, N. C.	Marine Engineer, Kimari, Karachi
2530	†Kidby, E.	Address wanted
107	Kidd, G. W.	Taymouth, St. Mary's Avenue, Wanstead, N.E.
1276	Kidd, Hector	"Craiglea," Cremorne Road, Cremorne, North Sydney, Australia
2813	Kidd, John M.	Assist. Government Surveyor of Ships, Penang, S.S.
2821	Kilpatrick, David	"Aberhill," Buranda Street, S. Brisbane, Queensland
2051	King, B. N.	"Wishford," Frederica Road, Winton, Bournemouth
2548	King, J. Foster	121, St. Vincent St., Glasgow
2697	Kingdom, Robert	"Brentwood," Fearnville View, Roundhay, Leeds
2873	Kinsman, H. C.	Strathlene, Beveridge Road, Kirkcaldy, Fife
104	Kirkwood, R. A.	B. I. Engineers' Club, Calcutta
2019	Kluge, Thos. E.	13, Curzon St., Mayfair, W.
2980	Knight, J. MCrae	"Craiglyn," Milford Haven
2286	Knowles, J. H.	9A, Ajax Road, Port Chalmers, N.Z.
2937	Knox, Harry B.	
2697	Knox, H. B.	Allen Street, Freemantle, Western Australia
2899	Kode, John E.	425, Longmarket Street, Petermaritzburg, S. Africa
2750	Kverndal, B.	72, Jerningham Road, New Cross, S.E.

† Address wanted.

NO.	NAME.	ADDRESS.
2618	Kyle, A. R. (Engr.-Lient., R.N.).	Banksville, Welholme Rd., Grimsby
2121	Laing, Geo. A.	<i>c/o</i> W. Smith, 8, Murray Place, St. Andrew's, Fife
2858	Laird, Roy M.	Birkenhead
2431	Lakdavalla, R. D.	Hydraulic Engineer, Kimari, Karachi, India
3051	Laker, J. Wm. E. (R.I.M.).	India Expeditionary Force D, Room 190, <i>c/o</i> India Office, London, S.W.
2317	Lambert, John. (R.D., Engr. R.N.R.).	Lloyd's Register, Alexandra Blds., Hong-Kong, China
3001	Lander, John	Carbis Bay, Cornwall
1889	Lang, C. R.	Mowen, Newlands, Glasgow
275	Lang, John, (Sen. Engr. R.N.R.).	107, Cranbrook Park Road, Ilford, E.
2041	Lang, W. Veysey	12, Queen's Gardens, Muswell Hill, N.
2444	Lapper, R. G.	H.M.Y. <i>Euphrosyne</i> , Vila, New Hebrides
2445	Lapper, W. J.	Engineer-in-Charge, Marine Dept., Forcados, Central Province, Nigeria
2730	Larter, W. Hulbert	73, Cambridge Mansions, Battersea Park, S.W.
605	Latta, J. G.	77, Billiter Buildings, E.C.
1367	Law, G. H. (Ch. Engr., H.M.H.S. Carisbrook Castle.)	92, Boleyn Road, Forest Gate, E.
2523	Lawrence, A., B.Sc.	71, Fenchurch Street, E.C.
2120	Lawrie, P.	3, Lixmount Avenue, Trinity, Edinburgh
1091	Lawrie, W.	73, Castellain Mansions, Maida Vale, London, W.
2512	Lebeda, A. J.	10, Pasture Road, Harchills Ave., Leeds
2547	Ledger, A. H.	Lucknow, Shaftesbury Avenue, Thorpe Bay
1775	Lees, Robert Crawford	Kanknarrah Jute Mills, Bhatpara P.O., E.B.S. Ry., Bengal
2777	Leith, Jas.	Chief Engr., B.I.S.N. Co., Bombay

NO.	NAME.	ADDRESS.
1899	Lennox, John	Engine Dept., China Navigation Co., Messrs. Butterfield & Swire, Hong-Kong
2685	Leslie, John	42, Garmoyle Road, Sefton Park, Liverpool
255	Leslie, J. L.	Supt. Engr., B.I.S.N. Co., Calcutta
7	Leslie, Robert (R.N.R.)	Holyrood, Ostend, Burnham-on-Crouch, Essex
542	†Leslie, W.	Address wanted
2367	†Liddle, Jas. A.	Address wanted
2186	Lightfoot, Jon.	123, Hornby Road, Bootle, Liverpool
2657	Lindberg, A. J.	<i>c/o</i> Institution of Engineers and Shipbuilders, Hong Kong
2182	Linn, J. B.	Messrs. Turner, Morrison and Co., 40, Churchgate Street, Bombay
2119	Lloyd, R. D.	127, Temple Road, Prenton, Birkenhead
172	Lockie, J.	2, Custom House Chambers, Leith
2676	Lockie, Thos. C.	8, Albany St., Kelvinside North, Glasgow
2768	Logan, Robert L.	63, Margery Park Road, Forest Gate, E.
2758	Lord, G. S. D. (Engr. Lieut. R.N., ret.)	Institute of Marine Engineers, The Minories, Tower Hill, London, E.
2344	Lougher, A. D. (Engr.-Lieut., R.N.R.)	197, Mackintosh Place, Cardiff
2984	Love, Henry	6, Hoxton Square, Hoxton, London, N.
1988	Low, Jas. G.	1b, Grand Parade Mansions, Highgate, N.
2826	Low, Percy A.	Oriel House, Farringdon Street, E.C.
2606	Lund, Richard	78, Queen Victoria Street, E.C.
1561	Lyddon, R. B.	King's Norton, nr. Birmingham
2692	MacAffer, Malcolm	134, Kenmure Road, Pollokshields, Glasgow
243	Macartney, Jas.	64, Pitt Street, Sydney, N.S.W.

† Address wanted.

NO.	NAME.	ADDRESS.
1513	McAlister, A. M. (R.N.R.)	101, Sinclair Drive, Langside, Glasgow
1347	McArthur, J. D.	Las Palmas, Grand Canary (Grand Canary Coaling Co., Ltd.)
2698	McClintock, E. E.	73, Cleveland Rd., North Shields
1721	McCowan, A.	New Zealand Chrs., 483, Collins St., Melbourne, Australia
2201	McCracken, J.	Chief Engr. Messrs. Jardine Matheson & Co., Hong-Kong
720	Macdonald, Alex.	10, Rodway Road, Bromley, Kent
881	Macdonald, Archi- bald	"Stanmore," 1000, Yoker Road, Yoker, Renfrewshire
1481	Macdonald, D.	Consulting Engineer, Hong-Kong, China
1948	Macdonald, Duncan	Marine Engineers' Institute, Shanghai
1932	MacDonald, J.	Grange Bank, 99, Balfour Road, Ilford, E.
968	Macdonald, Jas.	49, Greenbank Road, Sefton, Liver- pool
2604	†Macdonald, John	Lansdowne Jute Mills, Dakindhari, Belgarkia, P.O., nr. Calcutta
2106	MacDougall, A. G.	Asiatic Petroleum Co., Tank In- stallation Pulo-Bukom, Singapore
2338	MacDougall, Colin	B.I. Engineer's Club, Bombay
2078	McDougall, Hugh	Engineers' Inst., Aitken St., Wel- lington, N.Z.
2727	Macfarlane, Jas.	Fairlie Bank, Crow Road, Partick, Glasgow
2876	Macfarlane, Wm.	c/o Marine Engineers' Institute, Shanghai, China
3061	MacFarquhar, James	54, Ainslie Gardens, Hyndland, Glasgow
2030	McGavin, J. S.	Messrs. Butterfield & Swire, Hong- Kong
1975	McGibbon, J. E.	50, Cotswold Gdns., East Ham, E.
2080	McGibbon, W. C.	2, Carlton Court, Glasgow
2437	McGregor, Robt.	Cons. Engr., 11, Broadway, New York, U.S.A.

† New Address wanted.

NO.	NAME.	ADDRESS.
27	McIndewar, A. (R.N.R., ret.).	13, Holmhead Crescent, Cathcart, Glasgow
2470	McIntyre, W. (Chief. Engr., SS. "Bulimba").	<i>c/o</i> B.I. Engineers' Institute, Shanghai, China
2662	McIver, Charles	"Elmbank," Carmyle, Glasgow
1212	Mackay, Chas.	B.I. Engineers' Club, Calcutta
2342	McKay, John	51, Hahnemann Road, Walton, Liverpool
2522	McKechnie, J. A.	Marine Engineers' Institute, Nan- king Road, Shanghai, China
2274	Mackenzie, D. Rod.	Messrs. Jardine, Matheson & Co., Hong-Kong, China
471	McKersie, J.	B. I. Engineers' Club, Calcutta
1959	Mackie, D. D.	Supt. Engineer, Singapore
2564	Mackie, Duncan D.	Winchester House, Singapore
1996	Mackie, Jos. S.	<i>c/o</i> Amazon Telegraph Co., Caixa 270, Para, N. Brazil
1531	Mackinlay, Coll.	B. I. Engineers' Club, Box 296, Calcutta
2348	McKinnon, Wm.	<i>c/o</i> Messrs. Jardine, Matheson, Hong Kong
2303	Mackirdy, John H.	2, Hare Street, Calcutta, India
2305	McKirdy, John H.	<i>c/o</i> Lloyd's Register of Shipping, Dundee, Scotland
1298	Maclean, C. W.	"Latrobe," Currum, Victoria, Australia
2054	Maclean, Duncan	Engineers' Association, Singapore
2331	Maclean, Jas. B.	<i>c/o</i> Messrs. Blandy Bros., 16, Mark Lane, London, E.C.
199	MacLean, N. K.	20, Park Road, Southend-on-Sea
1191	MacLean, T. M.	20, Park Road, Southend-on-Sea
2015	MacLennan, Alexr.	Manager, The Federated Engineer- ing Co., Ltd., Kuala Lumpur, Federated Malay States
2424	MacLeod, John	5, Bayhead Street, Stornoway, Lewis, Scotland
115	McLachlan, J.	43, Chobham Road, Leytonstone, N.E.
409	McLachlan, J.	Thistle Works, Paisley, Scotland
1626	McLaren, John	Consulting Engineer, 110, Fen- church Street, E.C.

NO.	NAME.	ADDRESS.
1150	McLaren, W.	6, Marquess Road, Canonbury, N.
3031	McLean, John Chalmers	22, Dempster Street, Greenock, Scotland
2769	McLellan, Thos.	Woodside Lane, North Finchley.
1805	McLeod, J. W.	"Phippsmore," The Crosspath, Radlett, Herts
2330	McNair, F.	25, Harrowby Road, Seaforth, Liverpool
2114	McNaught, J. (R.D., R.N.R.)	c/o Espfen & Sons, Ltd., Consulting Engineers, 20c and 21c, Produce Exchange Annexe, New York, U.S.A.
2385	McNaught, Wm.	Box 296 B. I. Engineers' Club, Calcutta
1593	McNaughton, J.	72, Avondale Road, Sefton Park, Liverpool
3029	MacNicoll, Donald	7, Kingsland Drive, Cardonald, Glasgow
1934	McNiven, J. L.	"Bellfield," Eddleston, Scotland
1469	McPhee, Anderson	Marine Depot, Schutte & Koerting Co., Twelfth St., Philadelphia, Pa., U.S.A.
2450	McPherson, C. A.	La Maisonette, Spring Road, Shol- ing, Hants
2895	McPherson, Wm.	"Palmyra," Obelisk Road, Wools- ton, Southampton
2482	Macrae, Alex.	5, Newton, Stornoway, Scotland
2849	MacTaggart, H. H.	Station Ironworks, Loanhead, Mid- lothian
2211	McTaminey, Chas. (Engr.-Lieut., R.N.R.)	R.F.A. <i>Servitor</i> , c/o G.P.O., Lon- don
1969	Madden, G. A.	46, Springhill Gardens, Shawlands, Glasgow
2047	Maggs, Chas. J.	Messrs. Sprostons, Ltd., George- town, Demerara
38	Maginnis, A. J.	28, Chapel Street, Liverpool
2798	Malcolm, Duncan A.	China Navigation Company's <i>Kiau</i> , Hankow, China
2370	Mallett, T. W.	119, Jamaica Rd., Bermondsey, S.E.

NO.	NAME.	ADDRESS.
2985	Scott, Archi, junr.	20, Prince's Street, Pollokshields, Glasgow
3002	Scott, David C.	119, Watland's View, Porthill, Stoke-on-Trent
2083	Scott, David D.	B.I. Engineers' Club, Calcutta
2930	Scott, E. Kilburn	Osborne House, Bedonwell Hill, Belvedere, Kent
1994	Scott, G. M.	5, Greenhill Crescent, Harrow, W.
455	Scott, J.	273, Rosebery Gardens, Crouch End, N.
2731	Scott, John	1, West Avenue, Barrow-in-Furness
2799	Scott, Joseph R.	"E," Milburn House, Newcastle-on-Tyne
2800	Scott, Keith S. M.	"E," Milburn House, Newcastle-on-Tyne
236	Scott, Robt. A. (Engr.-Comdr., R.D., R.N.R.).	"Oaklands," Fort Road, Newhaven, Sussex
2655	Scott, Ralph	349, Rectory Road, Gateshead-on-Tyne
1949	Scott, Thos. J.	"Greenbank," Heysham, Morecambe, Lancs.
2226	Scott, Walter	32, Prince of Wales' Rd., Norwich
737	Scott, Wm.	10, Forster Road, Beckenham, Kent
1553	Scullard, G. A.	c/o Messrs. Bland & Co., Gibraltar
282	Seabrook, A. W.	Chyanporth, Lannoweth Road, Penzance
1067	Seabrook, J. A. (Engr.-Lieut., R.N.).	Naval Base, Kingstown, Ireland
638	Seabury, E.	Garth, Broxbourne, Herts
2359	Seal, G. E.	Milford Haven, New Quay, Cardiganshire
2103	Seaton, W. T.	Board of Trade Office, 79, Mark Lane, E.C.
2886	Seaward, T. A.	"Barfine," 40, Africa Gardens, Gabalfa, Cardiff
2668	Seitz, P. J. H.	Messrs. Schmidt's Superheating Co., Ltd., 28, Victoria St., S.W.
2164	Sellex, J. E.	Lloyd's Register, Regent Quay, Aberdeen
2491	Shale, John F.	Marine Board, Brisbane, Queensland
2163	Shallcross, L. G.	10, Westfield Avenue, Gosforth, Newcastle-on-Tyne

NO.	NAME.	ADDRESS.
1979 1368	†Shand, G. A. A. Shanks, Jas.	Address wanted 73, Wallwood Road, Leytonstone, N.E.
1499	Sharp, A. E.	P. & O. S. N. Co., 122, Leadenhall Street, E.C.
1111	Sharp, W. E.	52, Gracechurch Street, London, E.C.
2842	Sharpe, Herbert H.	16, Harrington Chambers, 24, North John Street, Liverpool
1873	Shaw, J. H.	Seafield, Craigendoran, Helens- burgh
2902 833	Shaw, W. M. Shearer, George	Devonport Hotel, Middlesborough <i>c/o</i> Institute of Marine Engineers, The Minories, Tower Hill, London, E.
1643 2561	Shearman, F. Shepherd, Forbes D.	Holme Tower, Penarth 3, Bernard Street, Leith
1867 2224	Sheppard, Fred E. Shilston, Richard D.	32, De Vere Gardens, Ilford, E. Lloyd's Register, 201, Tower Buildings, Liverpool
3008	Shiner, Walter C.	836, Cardero Street, Vancouver, B.C.
1207	Shirra, Jas.	Clermistine Avenue, Boundary Street, Roseville, Sydney, N.S.W.
10	*Shorey, F. W.	20, Forest Drive, Leytonstone, N.E.
1490	Sibun, W.	Lloyd's Register of Shipping, 201, Tower Buildings, Liverpool
2935	Silley, G. F.	Lloyd's Register of Shipping, Temple Chambers, 6, Old Post Office Street, Calcutta
1437 1930	Silley, J. H. Sillifant, J.	75, Mark Lane, E.C. Thomas Street, Hyde Park, South Australia
2970	Simpson, George	30, Victoria Daine, Scotstoun, Glasgow
97	Sinclair, J. (R.D. Engr. R.N.R., ret.).	3, Waldegrave Gardens, Upminster, Essex

† Address wanted.

* Life Member.

NO.	NAME.	ADDRESS.
3054	Sinclair, James	<i>c/o</i> Messrs. Butterfield & Swire, Hong Kong, China
117	Sinclair, R.	P. & O. S. N. Co., Tilbury Docks, Essex
2393	Sinclair, Wm.	Bay View Rd., Fivedock, Sydney, N.S.W.
2509	Skipper, C. N.	28, Abbotsford Road, Goodmayes, Essex
128	Slater, C.	13, Cambridge Road, Seven Kings
2162	Slebe, J. B.	167, Nassaukadi, Amsterdam
2854	Sleight, J. W.	"Homefield," Legsby Avenue, Grimsby
338	Sloggett, G.	35, Stacey Road, Cardiff
2587	Sloper, D. W.	Greenfield Avenue, Dinas Powis, Cardiff
2018	Smail, David	45, Hope Street, Glasgow
1856	Small, George	<i>c/o</i> A.U.S.N. Co., Ltd., Sydney, Australia
1494	Smart, D.	51, Argyle Road, Ilford
2734	Smart, William	Supt. Engineer, Messrs. The Union, S.S. Co. of New Zealand, Dunedin, N.Z.
1635	Smart, A. W.	2, Stuart Street, Cardiff
2897	Smith, Arthur C. (E.B.A., R.N.).	31, Ockington Road, Islington, N.
2677	Smith, Aubrey B.	10, Oswald Road, Chorlton-cum- Hardy, Manchester
2740	Smith, David (Engr. Sub-Lieut., R.N.R.).	39, Roselea Drive, Dennistoun, Glasgow
2133	Smith, F. A.	Whetstone Croft, Woodlands, Broughton-in-Furness
2334	Smith, F. W.	<i>c/o</i> Cold Storage Co., Ltd., Borneo Wharf, Singapore, S.S.
2364	Smith, Harry	42, Lytton Road, Leytonstone, N.E.
2556	Smith, Harry	H.M.S. <i>Kale</i> , <i>c/o</i> Admiralty, London
2023	Smith, Jas.	35, Souter St., Jacob's Circle, Bom- bay
1590	Smith, J. D.	B. I. Engineers' Club, Calcutta
3059	Smith, John Smart	47, Parliament Street, London, S.W.

NO.	NAME.	ADDRESS.
303	Smith, J. T. <small>(R.D. Ch. Engr. R.N.R., ret.).</small>	23, Union Street, Greenock
3045	Smith, John Troup	Maggyknockater, Dufftown, Banffshire
2472	Smith, J. W.	4, Copenhagen Rd., Gillingham, Kent
98	Smith, P. <small>(R.D. Ch. Engr. R.N.R., ret.).</small>	55, Osborne Rd., Forest Gate, E.
1441	Smith, Percy	20, Windsor Road, Ilford, E.
646	Smithson, A. E.	21, West Bute Street, Cardiff
1600	Soar, M.	Housley Pk., Chapelton, Sheffield
2732	Somerscales, A. N.	6, Dock Street, Hull
2161	Sonne, H. J.	Amaliegade, 36, Copenhagen
2755	Sorabji, C.	Engineer, <i>c/o</i> Doobash Wadi, Tardeo, Bombay
2724	Soutar, John	Lawrence Jute Mill, Chackasi, Calcutta
2558	†Southron, G. C.	Address wanted
2390	Sowter, H. K.	1, Selwyn Road, Upton Manor, London, E.
2447	Sparks, Harold	28, King St., Rockferry, Birkenhead
958	Speedy, W.	2, Lydeard Road, East Ham, London, E.
1254	Speedyman, J.	51, King's Rd., Leytonstone, N.E.
1657	Speers, W.	19, Ryder Street, Canton, Cardiff
1863	Speirs, Andrew	<i>c/o</i> Messrs. Jardine, Matheson & Co., Shanghai
440	Speirs, Robt.	5, Hampton Terrace, Mt. Florida, Glasgow
2616	Speirs, John R.	9, The Avenue, Hornsey, London, N.
2831	†Spencer, J. A.	Address wanted
1829	Spiers, D.	Box 296, B.I. Engineers' Club, Calcutta
939	Spiers, H. J. <small>(R.D. Ch. Engr. R.N.R., ret.).</small>	2, Bournville Road, Catford, S.E.
1819	Spiers, J. H.	19, St. Margaret's Road, Wanstead
2357	Spink, C.	7, King's Bench Street, Hull

† Address wanted.

NO.	NAME.	ADDRESS.
2206	Spyer, Arthur	Messrs. Babcock & Wilcox, Oriol House, Farringdon Street, E.C.
2898	Stafford, W. P.	213, Coatsworth Road, Gateshead-on-Tyne
2347	Stalio, Luigi	Castello 3848, Venice
1995	Stark, H. R.	4, Bankshall Street, Calcutta
1107	Stark, J.	13, Princes Gardens, Glasgow
3064	Stark, Wm.	9, Walmer Terrace, Bellahouden, Glasgow
2361	Starkey, A. E. (R.D., Engr. Comdr., R.N.R.).	24, Elgin Drive, Liscard, Cheshire
2068	Steele, Wm. I.	67, Coventry Road, Ilford, E.
2957	Steers, Arthur	SS. <i>Vatella</i> , c/o Anglo-Saxon Petroleum Co., Ltd., St. Helen's Court, London, E.C.
1616	Steeves, A. G.	7, Rumford Street, Liverpool
1740	Stephens, J. W. T.	200, Victoria Street, Alexandra Park, N.
2909	Stephens, Wm. M.	Tulloch Forbes, Aberdeenshire
2042	Stericker, J.	5, Berkeley Drive, Seaforth, Liverpool
1736	Stevenson, A. M.	"Bellbine," Shirehall Rd., Hawley, nr. Dartford
1572	Stevenson, H.	Tod's Marine Engr. Academy, 119, Queen Street, Cardiff
1802	Stevenson, W.	Norbrook, Dumbarton
2847	Stewart, A. C.	Marine Engineers' Institute, Shanghai
2355	Stewart, Chas.	113, St. Vincent Street, Glasgow
36	Stewart, Jas.	Proctor House, Newcastle-on-Tyne
2104	Stewart, John	3, Castle Arcade, West Street, Durban
2329	Stewart, John H.	Inst. of Engineers and Shipbuilders, Shanghai
3037	Stewart, Robt. John	South African Iron Works, 23, Rose Street, Cape Town, South Africa
2955	Stienlet, V. H.	50, St. Ronan's Road, Monkseaton, Northumberland
467	Still, W.	Brackendale. Fladgate Road, Leytonstone, N.E.

NO.	NAME.	ADDRESS.
2686	Stirling, A. G.	12, Water Street, Georgetown, Demerara, B.G.
2160	Stoddart, E. J.	79, Elgin Road, Croydon, S.E.
2420	†Strain, Jas.	Address wanted
1760	Stratton, J. M.	Engine Dept., Union Castle Line, Blackwall, E.
1259	Strong, R. H.	2, Stuart Street, Cardiff
1824	Stuart, Robt.	B.I. Engineers' Club, Calcutta
1904	Stuart, Thos. R.	Polesworth, Tamworth
2280	Sturgeon, F. L.	22, Westbourne Avenue, Hull
2411	Styles, Jas. A.	21, Richards Tee., Roath, Cardiff
932	†Sumner, Jas.	Address wanted
1627	Sumner, Orlando (Sen. Engr. R.N.R., ret.)	Bedford Chambers, Covent Garden, W.C.
2381	Sutherland, J. (Engr.-Lieut., R.N.).	12, St. Peter's Rd., Buckie, Scotland
2478	Sutherns, H.	"Gresford," James St., Llanelly
1868	Sutton, A. L.	San Nicholas Iron Works, P.O. Box 350, Manila, P.I.
2693	Swanston, Marshall (4th Seaforths).	30, Dacre Road, Upton Manor, E.
1057	Tait, A.	First Irrigation Trust, Mildura, Victoria, Australia
2140	Taphouse, Ernest L.	92, Locksley Street, Limehouse, E.
2122	Taphouse, F. G.	66, Derby Lane, Stoneycroft, Liverpool
712	Tatam, F. R.	Inglehurst, Hadley Wood, Barnet, N.W.
3053	Taylor, Benjamin Haigh	Westby House, Hayes Lane, Alderley Edge, Cheshire
2255	†Taylor, Edward	Address wanted
2272	†Taylor, F. W.	Address wanted
2749	Taylor, Geo. H.	Consulting Engineer, 9-11, Fenchurch Avenue, London, E.C.
14	Taylor, J.	Cardross Rd., Oxhill, Dumbarton
2923	Taylor, J. F.	Sudan Government Steamers, Khartoum Dockyard, Sudan North
2462	Teare, Henry	11, Rosebery Avenue, Egremont, Cheshire

† Address wanted.

NO.	NAME.	ADDRESS.
2115	Tessier, Louis	Casilla Correo, No. 5, Zarate F.C.C.A., Argentine, South America
701	†Thackrah, J.	Address wanted
2699	Thickins, E. W.	29, London Street, Maindee, Newport, Mon.
258	Thom, J.	51, Charterhouse Street, E.C.
1809	Thomas, Edgar	Le Bheos Avenue, Uplands, Swansea
1865	Thomas, James	Rhyd-y-garm South Road, Porthcawl, S. Wales
1999	Thomas, W. S.	6, Weverley Avenue, Fairview, Dublin
1578	Thompson, J. H.	c/o B.I. Engineers' Club, Calcutta
2861	Thompson, Robt.	155, Fenchurch Street, E.C.
2952	Thompson, Wm. Semelle	"Thornbank," Dundee, Scotland
2650	Thomson, C. L.	Standard House, Titaghur, Calcutta
2762	Thomson, Edward A.	2, Falkland Avenue, Church End, Finchley, London, N.
2346	Thomson, G. H. S.	19, Summerside Street, Bonnington, Leith
2687	Thomson, J. B.	Messrs. Carmichael & Clarke, Hong-Kong
1122	Thomson, John A.	c/o General Post Office, Auckland, N.Z.
1798	Thomson, R. E.	29, Hunter Street, Malvern, Melbourne
3028	Thorburn, John	135, Boundary Road, East Ham, London, E.
2707	Thornton, T. R.	18, Commercial Street, Shipley, Yorks
1828	Timpson, F. M.	4, Coventry Road, Ilford
762	Tod, John	Cheriton, Bishops Road, Whitechurch, Glam.
2614	Tod, T.	"Hope View," London Road, Northfleet, Kent
1371	Tomkins, J. A. (Sen. Eng. R.N.R., ret.).	c/o <i>Mining and Engineering Review</i> , 90, William Street, Melbourne, Victoria

† Address wanted.

NO.	NAME.	ADDRESS.
2988	Toro, Ignacio	c/o Messrs. Armstrong, Whitworth, Ltd., Elswick Works, Newcastle-on-Tyne
547	Tough, Alex.	7, Clavering Road, Wanstead Park, N.E.
2962	Trew, A. J. Owen	44, Melrose Avenue, Wimbledon Park, Surrey
1685	†Trigg, F. A.	Address wanted
2435	Trolley, John	Engr.-in-Charge, St. Thomas's Hospital, S.W.
2678	Trollope, Jas. T.	34, Thanet Road, Erith, Kent
2032	Trotman, Wm. Henry	43, Kirkland Avenue, Higher Tranmere, Birkenhead
2625	Tsutsumi, Masayoshi	Mercantile Marine Bureau, Department of Communication, Tokio, Japan
1754	Tucker, W. T. (Engr. R.N.R.).	Union SS. Co. of New Zealand, 175, West George Street, Glasgow
2517	Turnbull, D.	Superintendent, The Shanghai Dock & Eng. Co., Ltd., Shanghai
105	Turnbull, M. (Ch. Engr. R.N.R., ret.).	Thistledene, Forest Glade, Leytonstone, E.
2415	Turnbull, Matthew	6, Ordnance Road, Southampton
1747	Turner, Jas.	5, Consular Road, Tientsin, China
2194	Turpin, James C.	Messrs. Trewent & Proctor, 43 & 44, Billiter Bldgs., E.C.
2451	Twaddle, T. W.	Supt. Engineer, Hedjuff, Aden
156	Tyler, J. J.	35, Heigham Road, High Street, East Ham, Essex
2267	Tyson, David	10, Brockenhurst Gardens, Mill Hill, N.W.
2438	Vakeel, B. A.	77A, Malabar Hill, Bombay
1025	Vicary, W. J.	122, Altmore Av., East Ham, E.
2663	Vickerman, E. G.	194, Westbourne Avenue, Hull
2489	Vine, G. A. (Sen. Engr. R.N.R.).	15, Devonshire Road, Redland, Bristol
2464	Vine, Wm. H.	15, Devonshire Road, Redland, Bristol

† Address wanted.

NO.	NAME.	ADDRESS.
2640	† Von Rieppel, Dr. Anton	Address wanted
2592	Wadsworth, E. R.	International Export Co., Nanking, China
1093	Walker, A.	Netherby, Walm Lane, Crickle- wood, N.W.
755	Walker, A. O. (Engr. R.N.R., ret.).	The Residence, Blackwall Tunnel, Poplar, E.
2552	Walker, Chas. A.	L.C.C. School of Engineering, Poplar, E.
2184	Walker, H.	9, Gladstone Terrace, Gateshead-on- Tyne
3071	Walker, Harold Clark	32, Hamilton Road, Golders Green London, N.W.
2417	Walker, Kennedy	"Linden," Blake Hall Road, Wan- stead, Essex
2845	Walker, Robert J.	"Beamsley," Hawthorn Gardens, Monkseaton, Northumberland
2455	Walker, Wm.	97, Balfour Road, Ilford, Essex
2332	Wallace, John (R.D. Ch. Engr. R.N.R.).	9, Woodhouse Grove, Manor Park, Essex
3081	Wallace, John	6, Lloyd's Avenue, London, E.C.
1266	Wallau, F. P.	"Iona," Westridge Road, South- ampton
1779	Wallis, T. Seabrook (2nd Lieut., R.E.).	"Stalheim," Plaistow Lane, Bromley, Kent
2789	Walton, Wm.	59, Albert Road, Hythe, Kent
2672	Ward, Herbert J.	The Mill House, Farningham, Kent
2666	Ward, John	Garmoyle, Dumbarton
2505	Warham, A. E.	4, Bradda Mount, Douglas, I. of Man
2817	Warren, Frank L.	155, Fenchurch Street. E.C.
2377	Warren, George	65, Victoria Avenue, Chard, Somers- set
2542	Watson, A. R.	Bellevue, Port Chalmers, N.Z.
1184	Watson, Clement (Wr. Engr., R.N.).	74B, Portsderm Road, Maida Vale, London, W.
1394	Watson, G. C.	5, Birdhurst Road, Croydon, S.E.

† Address wanted.

NO.	NAME.	ADDRESS.
1468	Watson, J. M.	70, Browning Road, Manor Park, E.
2508	Watson, John	17, Willowbank, Birkenhead
2916	Watson, J. W.	107, Courtland Road, Ilford, E.
2084	Watson, Robert	Messrs. The Burmah Oil Co., Ltd., Duneeadaw, Rangoon
2460	Watson, W. T.	Govt. Inspector of Factories, etc., Davies Road, Lahore, Punjab, India
1998	Watson, Wm.	G.E. Rly., Power House, Stratford Station, E.
504	Watt, Robt. (Sen. Engr. R.N.R.).	135, Wrotham Road, Gravesend, Kent
2537	Watts, Frank	146, Belgrave Road, Wanstead, Essex
2797	Webb, Walter H.	Messrs. the Liverpool Refrigeration Co., Ltd., Colonial House, Liver- pool
1443	Weir, Andrew	Brooke House, 110, Wanstead Park Avenue, Manor Park, E.
2031	Weir, Archd.	464, Crow Road, Jordanhill, Glas- gow
49	*Weir, James	Holm Foundry, Cathcart, Glasgow
2920	Weir, Peter	c/o E.I. Lines, Karachi, India
1888	Weir, William	Holm Foundry, Cathcart, Glasgow
1617	Welbury, W.	"Glenroy," Roundhay, Leeds
2405	Welch, John	Fotheray, James Watt Terrace, Barrow-in-Furness
2578	Wells, G. James	15, Ashburnham Gardens, Up- minster, Essex
2928	Whatmore, Alfred	13, West India Road, London, E.
2580	Wheeler, H. B.	Venn, Parkstone Road, Poole
2241	White, A. F.	Darley House, Lomaha Street, Georgetown, Brit. Guiana
2002	White, G. D. S.	"Ridgeview," Cockfoster Road, Hadley Wood, Herts
2401	White, Wm. A.	"Crabtree," Fulham, S.W.
2894	White, Wm. C.	The Manse, Stonebridge, Clones Co. Monaghan, Ireland

* Life Member by Election.

NO.	NAME.	ADDRESS.
3013 2939	Whyatt, Leo. S. Wigley, W. J.	Parkestone House, Parkeston, Essex 18, Laburnum Gardens, Low Fell, Gateshead-on-Tyne
1910 2990	Wiles, A. J. Wilkinson, E. Graham	66, Portswood Road, Southampton <i>c/o</i> International Export Co., Ltd., Hankow, China
1663	Williams, Chas.	Bristol Waterworks, Blagdon, Bristol
2752 2771	Williams, Ernest T. Williams, George H.	"Ailsa Craig," Aberystwyth 3, Sandringham Drive, New Brigh- ton
2090	Williams, H. A. (R.D., R.N.R.)	36, Mount Stuart Square, Cardiff
2715 2058	Williams, Jas. H. Williamson, A. S.	36, Waddon Road, Croydon Lloyd's Register of Shipping, 42c, Sagarimatsu, Nagasaki, Japan
2233 528	Williamson, J. C. G. Williamson, R.	25 de Mayo, 158, Buenos Ayres, Argentine Mount Stuart Shipbuilding and Engineering Co., Cardiff
2966	Williamson, Richard	Shipyards, Workington
2380 1050	Willis, Jos. W. Wilson, A.	97, Albany Street, Leith <i>c/o</i> Mr. A. S. Dagwell, 4, Blaydes Street, Newland, Hull
2541 2429 899 3024	Wilson, G. C. Wilson, George M. Wilson, John Wilson, John Alexr.	62, Sevmour Road, Shanghai 12, Bulwer Road, Leytonstone, N.E. B.I. Engineers' Club, Calcutta Bartolome Mitre, 250, Buenos Aires, Argentine
2870	Wilson, John H. S.	25, Stanley Street, Fairfield, Liver- pool
2568 2500	Wilson, R. J. Wilson, T. W.	24, Victoria Crescent, Eccles 162, Shakespeare Crescent, Manor Park, Essex
2311	Wilvers, Edgar	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
2406	Wimshurst, Jas. E.	Cons. Engr., 108, Fenchurch Street, E.C.
2846	Windram, Albert E.	23, Alderney Road, Mile End, E.

NO.	NAME.	ADDRESS.
2617	Winship, L. T.	31, Castleton Road, Goodmayes, Essex
157	Winterburn, W. G.	438, Dallas Road, Victoria, B.C.
2651	Winton, John	16, Gate Street, Holborn, W.C.
3016	Wood, Fred.	"Elmleigh," Balmoral Road, Doncaster
1762	Wood, G. H.	148, Wanstead Park Avenue, Manor Park, Essex
1659	Wood, John	c/o International Cold Storage Co., Ltd., The Docks, Southampton
2006	Woodcock, John G.	44, Dyson Road, Leyton, Essex
2278	Woodeson, W. A.	"Novar," Chowdene Bank, Low Fell, Gateshead
2209	Woods, Arthur R. T.	"The Red Cottage," West Hill, Harrow, W.
1780	Wootten, E. G.	52, Wellesley Road, Ilford, Essex
1536	Wright, J.	75, Union Street, Greenock
2996	Wright, Norman L.	2, Hillside Villas, Crompton, Plymouth
2562	Wright, T. T.	Inst. of Engineers & Shipbuilders, Hong-Kong
2479	Wyse, M. N.	North Western Hotel, Karachi, India
2917	Yamada, Shinkichi	c/o Yokohama Dock Co., Ltd., Japan
2708	Yates, Francis B. (Engr.-Lieut., R.N.).	32, Kirkland Avenue, Bebington Road, Birkenhead
1757	Young, A. S.	"Rowan Villa," 328, Central Park Road, East Ham, E.
1606	Young, John	c/o Asiatic Petroleum Co., Ltd., Shanghai, China
1326	Younger, A. Scott, B.Sc.	19, St. Vincent Place, Glasgow
2492	Younger, John	B.I. Engineers' Club, Calcutta, India
3047	Yorke, Norman Macgregor	9, Berthwin Street, Cardiff, Wales

NO.	NAME.	ADDRESS.
3022	Yorke, Walter Macgregor	16, Ryde Street, Cardiff, Wales
2265	Yuill, M.	Rising Sun Petroleum Co., Ltd., Kanagawa Installation, Japan
2679	Zulver, C.	27, Fox Lane, Palmers Green, London, N.

* ASSOCIATE MEMBERS.

NO.	NAME.	ADDRESS.
2439	Baker, J. Ross	49, Romilly Road, Cardiff
2718	Barry, T. C.	21, Wanlip Road, Plaistow, E.
1317	Baskett A. Scott	Church View, Coconada, Madras
1741	Bates, R. C.	2, Champion Terrace, Old Charlton, Kent
2362	Batt, Wm. E.	9, St. Leonard's Maisonettes, Way- mouth, Dorset
1016	Beale, J. E.	33, Marine Parade, Sheerness-on- Sea, Kent
2065	Bowie, Jas.	Chief Engr., Messrs. Decauville Co., Railway Engrs., P.O. Box 362, Calcutta
2069	Bray, P. R. (R.F.)	Bank of British West Africa, 17, Leadenhall Street, E.C.
1327	Broadbent, D. R.	Royal Societies' Club, St. James' Street, S.W.
2910	Brooks, John J.	Marine Engineers' Institute, Shanghai, China
1943	Bugg, E. A.	82, Earlsall Rd., Eltham Pk., Kent
2934	Cassie, John J.	Association of Engineers, Singapore
2126	Cole, Fred J.	Escombe Terr., Point, Natal, S.A.
2465	Cole, George V.	Engineer, Christ's Hospital, Horsham, Sussex
2725	Colquhoun-McIn- tyre, P. J.	9, Mt. Stuart Road, Rothsay, Bute
1860	Crossley, James B.	c/o B. I. Engineers' Club, P.O. Box 28, Bombay
1942	Currie, N. N.	Engineer, Hackney Union, N.
1797	Day, H. F. L.	The Northam Ironworks, Southamp- ton, Hants
1957	Downie, Fairbairn (Capt., 1st London Scottish).	Ministry of Munitions, Nassau Street, Dublin

* Several in this List are due for promotion and ought to make application for transfer.

NO.	NAME.	ADDRESS.
26	Ellis, T. H.	165, Great Dover St., S.E.
2619	English, Alfred E.	SS. <i>Sherard Osborn</i> , c/o Eastern Telegraph Co., Zanzibar
3074	Evans, I. W. J.	59, Alexandra Road, Canton, Cardiff
2076	Faucher, W. D. Le	Divi P. Project, P.O., Avinigedda, Kistna District, India
2741	Filmer, Chas. V.	96, Brockley Road, Brockley, S.E.
3018	Frogley, John A.	80, Gough Street, Poplar, London, E.
2919	Gordon, David	School of Engineering, Poplar, London, E.
2776	Hayes, Alexander	165, Strand, London, W.C.
2112	Holmes, W. Jas.	50, Hartington Street, Barrow-in-Furness
2070	Ingersoll, C. T.	SS. <i>York Castle</i> , c/o Union Castle M.S.S. Co., Cape Town, South Africa
2075	Jones, Thos. G.	"Ohlendorffs," North Woolwich Road, Victoria Docks, E.
2245	Lewis, C. V.	136, Norbury Crescent, Norbury, S.W.
2764	Lisle, T. Orchard	c/o The Rudder Publishing Co., 254, West 34th Street, New York City, U.S.A.
3004	Lockhead, Wm. S.	c/o New Zealand High Commissioner, Westminster, S.W.
2779	†Macdonald, John	Address wanted
2588	McColl, Hugh	B. I. Engineers' Club, Box 28, Bombay
2612	Newlands, A.	SS. <i>Varela</i> , B.I. Engineers' Club, Box 28, Bombay
2459	Nunn, George H.	Hedjuff, Aden

† Address wanted.

NO.	NAME.	ADDRESS.
2860	Palmer, Frank E.	142, Caledon Road, High Street N., East Ham, Essex
2994	Patterson, Chas.	Eildon Bank, 22, Dudley Terrace, Leith, Scotland
2761	Peers, Geo. A.	51, Eastlake Rd., Everton, Liverpool
3038	Pollock, Sibbald	Fire Station, Aberdeen, Scotland
2528	Rees, H. L.	6, Tennyson Street, Toxteth Park, Liverpool
1356	Reid, W.	The Nook, Cardiff Road, Dynas Powis, nr. Cardiff
2398	Reynolds, S. V.	180, Clement's Road, East Ham, London, E.
2199	Roberts, T. J.	Loco. Dept., S.W. African Rail- ways, Kectmanskoop, South West Africa
1712	Robertson, D. J.	7, Torus Road, Derby Lane, Stoney- croft, Liverpool
1964	†Robson, J. B.	Address wanted
1951	Roper, Geo. A.	Huston Road, Kelvingrove, Bris- bane, Queensland
2714	Ruhe, Henry	46, Brougham Street, Greenock
1939	Scott, H. P.	14, Bedford Street, Poplar, E.
2637	Seiple, Wm.	Engr. R.M.S. <i>Empress of Japan</i> , Vancouver, B.C.
2257	Shackleton, E.	56, Lyndhurst Grove, Peckham, S.E.
2029	Shipton, H. J.	60, Mitcham Road, Central Park, East Ham, E.
2740	Smith, David (Engr.-Sub-Lieut., R.N.R.)	57, Roselea Drive, Dennistoun, Glasgow
2457	†Spence, A. T.	Address wanted
2077	Stumpe, M. H.	112A, Weitbourne Grove, Bayswater
2784	Thomas, John Kers- lake	Ireland Island, Bermuda
1985	Thomas, R. Gwynne	B.I. Engineers' Club, Calcutta
2052	Thomson, Jas. R.	30, St. George's Road, Golders Green, N.W.
452	Trenow, H. C.	Carn Brae, Massetts Road, Horley, Surrey

† Address wanted.

NO.	NAME.	ADDRESS.
680	Turner, Sir Samuel	Chaseley, Rochdale, Lancs.
2803	Vaughan, M.	26, Felbrigge Road, Seven Kings, London, E.
3086	Walker, Lawrence	Offices of the High Commissioner for New Zealand, 13, Victoria Street, London, S.W.
1848	Walker, Robt.	28, Victoria Street, Westminster, S.W.
2125	† Webb, Wm. F.	Address wanted
2488	Whitehead, H. S.	Marine Engineers' Institute, Nan- king Road, Shanghai
2932	Wilson, T. S.	62, Dene View, Wallsend-on-Tyne
2480	Writer, P. H.	Contractor Bldgs., Girgaum Road, Bombay
2123	Zographos, Peter	c/o P. Tsimpis, Place Caraiskaki, Piræus, Greece

† Address wanted.

* ASSOCIATES.

NO.	NAME.	ADDRESS.
2082	Alltree, W. G.	7, Berwick Road, Shrewsbury
3030	Anderson, Francis David	8, York Avenue, Jordan Hill, Glasgow
2336	Bertram, Oliver	78, Wellesley Road, Ilford, Essex
2516	Brown, Stanley	183, Windermere Terrace, Boun- dary Road, East Ham, Essex
2436	Brown, S. W.	22, Cann Hall Road, Leytonstone, N.E.
2785	Call, Donald F.	124, Jesmond Avenue, Toller Lane, Bradford, Yorks
2270	Cameron, Duncan (R.N.R.).	H.M.S. <i>Paris</i> , c/o G.P.O.
3035	Chick, Thos. Wm.	Barrodene Cottage, Grosvenor Road, Weymouth
2407	Crichton, John A.	Netlev Castle, Netley Abbey, Hants
2808	Croall, L. J.	14, Lonsdale Road, Leytonstone, N.E.
1962	Donald, R. P.	56, Canal Street, Paisley
1991	Forbes, Wm.	31, St. Andrew's Road, Glasgow
1953	Fraser, C. B.	49, Bridge Street, Mile End, E.
2105	Gosling, Wm.	26, Claremont Road, Portsmouth
2288	Griffiths, R. St. A. (E.R.N.D.)	The Cranes, West Tilbury
2453	Hulbert, Walter	8, Woodford Rd., Forest Gate, E.
2589	Hutchison, Geo. O.	339, Burdett Road, Limehouse, E.
2049	†Isaacs, A. W.	Address wanted
1935	†Jamieson, C. E.	Address wanted

* Several in this List are due for promotion and ought to make application for transfer.

† Address wanted.

NO.	NAME.	ADDRESS.
2458	Jenkins, J. R.	4, Dibble Road, Smethwick, nr. Birmingham
1986	Jewitt, J. G.	Ballengeich Colliery Ingagane, Newcastle, Natal, South Africa
2737	Jones, Ernest H.	H.M.R.F.A. <i>Burma</i> , c/o G.P.O., London
2449	Jones, Thos.	2, Morley Road, Lewisham, S.E.
1047	Kendall, H.	118, Elgin Road, Seven Kings, Essex
2638	King, John S.	8, Victoria Street, Sheerness
2577	Lamb, D. P.	491, Dumbarton Road, Dalmuir
2097	Lawson, Jas. W.	c/o Jardine, Matheson & Co., Hong Kong
2652	Macdonald, John	c/o B.I.S.N. Co., Calcutta
3000	Manson, Robt. F.	163, Broomhill Drive, Partick, Glasgow
2700	Marsden, Jas. (2nd Sportsman's Batt.)	"Inglewood," Hawkwood Road, Boscombe, Hants
2864	Moir, F. G. L.	5, Billiter Street, E.C.
2828	Montgomery, Thos. J.	75B, Queen Victoria Street, E.C.
1706	Morton, J. M.	Messrs. Clover, Clayton & Co., Ltd., Birkenhead
1842	Moyes, A. Barclay	11, Douglas Terrace, Stirling
2313	Neall, Alfred G.	48, St. Leonard St., Bromley-by-Bow, E.
457	Parsons, Robt.	42, Kensington Avenue, East Ham, London, E.
2775	Richardson, O. E.	40, Pitfield Street, London, E.
2804	Sellex, Edward M.	28, Argyle Road, Ilford, Essex
1941	Smith, Herbert	"Hazeldene," 109, Brudenall Road, Tooting, London, S.W.
1869	Smith, Walter	"Houghton," Forest Glade, Leytonstone, N.E.

NO.	NAME.	ADDRESS.
2132	Tainsh, John, Jr.	Hartford House, Linden Terrace, Whitley Bay, Northd.
1650	Tillett, R. J.	"Colne," Cleveland Rd., Lowestoft, Suffolk
1614	† Walker, G. E.	Address wanted
2940	White, Rbt. (London Scottish).	41, English Street, Dumfries, Scot- land
2279	Williams, H. B.	24, Tipthorpe Road, Lavender Hill, Battersea, S.W.
2958	Wilson, James	4, Grange View, Chapeltown, Leeds
2307	Wishart, Leonard S.	67, Wanlip Road, Plaistow, E.

† Address wanted.

* GRADUATES.

NO.	NAME.	ADDRESS.
2639	Allan, A. (R.N.).	9, Queen's Drive, Whitley Bay
2596	Ayre, George	c/o Messrs. Mackinnon Mackenzie, Calcutta, India
3044	Banner, E. F.	122A, Sebert Road, Forest Gate, Essex
2836	Beckett, Francis G.	187, Thorold Road, Ilford, E.
2389	Blake, Alfred Basil (Asst. Engr., R.N.R.).	H.M.S. <i>Teutonic</i> , G.P.O., London, E.C.
2306	Boyle, J. D.	4, Garrioch Drive, Kelvinside No., Glasgow
1302	Bromley, E. W.	45, Berners Street, Ipswich
3063	Brown, Ernest George (A.E., 5th Div. Supply Col.).	11D, Charles Street, Woolwich, S.E.
2664	Brown, G. A. M. B.Sc. (Lieut. R.E.).	59, Carmunnock Road, Mt. Florida, Glasgow
2805	Candy, Thos. M.	46, Hertford Road, Bootle, Lancs.
2513	Carter, B. C.	"The Oaks," Wolverhampton
2885	†Cordon, Cecil I.	Address wanted
2146	Craig, Robt. K.	Woodside Farm, Hatfield, Herts
2647	Cruickshank, C. J. (Queen's Own Glasgow Yeomanry).	11A, St. Margaret's Road, Wan- stead, Essex
2620	Dodds, T. E. (1st Coy.).	R.M. Academy, Woolwich, S.E.
2045	Duncanson, Frank, B.SC.	15, Harold Road, Sunderland
2502	Findlay, J. T.	9, Cedars Park, Sunderland
2645	Fraser, C. S.	c/o McCaskill, 8, Dremoyne Avenue, S. Govan, Glasgow
2514	Garvie, Ian, B.sc.	Mansfield, Gourock

* Several in this List are due for promotion and ought to make application for transfer.

† Address wanted.

NO.	NAME.	ADDRESS.
2911	Grearson, B. W.	36, Hatherley Gardens, East Ham, E.
3041	Hawthorn, F. H.	"Toledo," Blakehall Crescent, Wanstead, Essex
3040	Hawthorn, G. A.	"Toledo," Blakehall Crescent, Wanstead, Essex
2108	Hawthorn, Jas. E.	"Toledo," Blake Hall Crescent, Wanstead, N.E.
2518	†Heesem, J. M.	Address wanted
2688	Hind, Albert E.	97, Venner Road, Sydenham, London, S.E.
2709	Hunter, H.	1, Manor Terrace, Tynemouth
2780	Jackson, Russell	3, Percy Gardens, Tynemouth
2474	Jenkins, R. P.	123, Edridge Road, Croydon, S.E.
2737	†Jones, E. H.	Address wanted
2452	Jones, H. Norman	45, Terrace Road, Upton Manor, Essex
2131	Jones, Walter C.	57, Browning Road, Manor Park, E.
2936	Kelly, Hugh Cyril	37, Locksley Street, Limehouse, London, E.
3019	Langhorne-Thorn- ton, David	18, Commercial Street, Shipley, Yorks
2579	Lawson, John D.	c/o Messrs. Barclay Curle (Engineers), Glasgow
2486	Locke, H. B. (2nd Lieut., R.G.A.)	Sec.-Lieut. R.G.A., Penlee Batt., Cawsand, Cornwall
2506	London, John T.	1D, Oxford and Cambridge Mansions, Hyde Park, W.
2649	Malpass, C. E.	Annasville, Dumbarton
2369	McKelvie, T.	38, Hotspur Street, Tynemouth
2095	McVey, Chas. C.	Cam-nethan, Blythswood Road, Renfrew

† Address wanted.

NO.	NAME.	ADDRESS.
2416	Miller, H. V.	29, Terrace Rd., Upton Manor, E.
1852	Miller, Lionel A.	29, Terrace Rd., Upton Manor, E.
2706	Mungo, James	"Oakdene," Priory Road, St. Denys, Southampton
2397	Ness, Alex., junr.	36, Gordon Avenue, Southampton
2838	†Raitt, Alfred G.	Address wanted
2705	Riddell, Alex. M.	133, Barking Road, Canning Town, E.
2130	†Robertson, A. E.	Address wanted
2857	Rutherford J. Leslie	55, Warren Road, Leyton, Essex
2807	Rutherford, N. G. (Sergeant, K.R.R.)	55, Warren Road, Leyton, Essex
1970	†Slack, Harold J.	Address wanted
2856	*Tanner, C.P., B.sc. (Engr. Sub.-Lieut., R.N.)	6, Ardgowan Terrace, Glasgow
2256	Taylor, Wm. H.	7, Ladysmith Av., East Ham, E.
2806	Timpson, Allan F. C. (H.L.I.)	4, Coventry Road, Ilford
2539	Walker, Alan J. (R.N.Y.R.)	11, Great George St., Glasgow
2702	Watt, James	210, Townhill Road, Dunfermline, Scotland

† Address wanted.

* It is with great regret that Mr. C. P. Tanner's name is noted amongst those lost in H.M.S. *Indefatigable* (North Sea Fight).

COMPANIONS.

NO.	NAME.	ADDRESS.
2559	Abbott, S. H.	Messrs. Suter, Hartmann & Co., 18, Billiter Street, E.C.
2597	Bailey, F. J.	18, Billiter Street, E.C.
1186	Ballantyne, R.	"Kenwyn," 8, Whittingame Drive, Kelvinside, Glasgow
1919	Beldam, Cyril A.	1 & 2, Gracechurch Street, London, E.C.
2960	Berkeley, Arthur	Townley House, West End Lane, N.W.
2155	Billington, Charles	Heimath, Longport, Staffs.
2154	Bost, W. D. Ashton	Adelphi House, Paisley
2098	Bradshaw, G. A.	20, Kildowan Road, Goodmayes, Essex
2221	Brier, Henry	1, Miskin Road, Dartford, Kent
2765	Brodie, James	41, Museum Street, London, W.C.
1287	Brown, A.	26, Grosvenor Road, Ilford, Essex
2576	Capps, Arnall B.	12, The Esplanade, Lowestoft
1878	Chaplin, A. G. S.	Dalhousie, Warwick Rd., Bishop's Stortford
1877	Chaplin, E. W.	12, St. Helen's Place, E.C.
1472	Clark, Robt.	255, Cromwell Road, S.W.
2469	Colsell, Robt.	4, Lloyd's Avenue, E.C.
1477	Cory, J.	Sea View House, Penarth, S. Wales
2943	Cumberland, Elliott	6, Lloyd's Avenue, London, E.C.
2665	Dampney, John B.	Messrs. J. Dampney & Co., Ltd., Merchants' Exchange, Cardiff
1771	Dickson, T. W.	Brassfounder, Plumbers Row, Whitechapel, E.
2149	Dodd, T. J.	16, Leslie Road, Pollokshields, Glasgow
1770	Dore, James	"The Hut," Woodford Green, E.
1351	Dove, E. J., J.P.	5, St. Nicholas Buildings, Newcastle-on-Tyne
2345	Duffus, Alexr. S.	79, Mark Lane, E.C.
1242	Duncan, J. T.	Oaklands, Llandaff, S. Wales

NO.	NAME.	ADDRESS.
626	Fish, F.	<i>c/o</i> Messrs. Buck & Hickman 2-4, Whitechapel Road
2884	Folkard, George H.	21, Great St. Helens, London, E.C.
2109	Garnham, F. M.	8, West Bank, Stamford Hill, London, N.
2198	Garvey, H. A.	65, South John Street, Liverpool
1363	Gracie, Jas.	82, Victoria Street, E.C.
1304	Grisdale, J.	"Holly Nook," Sarisbury, nr. Southampton, Hants.
1450	*Gunn, Sir John (Past President).	Shipowner, Cardiff
569	Hay, G., J.P.	Broadway, Stratford
2351	*Hislop, A. R.	Wellington, N.Z.
2694	Hollis, Henry E.	87, Union Street, Glasgow
357	Hodgkinson, Comr., R.N.	B.I.S.N. Co., 122, Leadenhall St., E.C.
1312	*Inchcape, The Rt. Hon. Lord, G.C.M.G. K.C.I.E. (Past President).	122, Leadenhall Street, E.C.
2300	Irwin, F. J.	37, Corfton Road, Ealing, W.
2005	Jacobs, John I.	10, Mark Lane, E.C.
2602	Leahy, Frank G.	Warwick Lodge, Peckham, London, S.E.
1950	Lees, J.	93 and 94, Gracechurch St., E.C.
2443	Linley, Joseph A.	199, Melrose Avenue, Cricklewood, N.W.
2967	Meeking, H. J.	Leadenhall Chambers, 4, St. Mary Axe, London, E.C.
1649	†Menzies, J.	Address wanted
2949	Moir, David	129, Colworth Road, Leytonstone, N.
2567	†Moore, H. A. H.	Address wanted

* Life Companion by Election.

† Address wanted.

NO.	NAME.	ADDRESS.
2285	Nuttall, Harry, M.P.	Raynor Croft, Bowdon, Cheshire
3027	Offord, Dudley E. J.	36, Russell Street, Southsea
1568	Peace, Sir Walter K.C.I.E.	"The Yarrows," Camberley
102	Perkins, T.	6, Billiter Street, E.C.
2292	Putnam, Thomas, J.P.	Messrs. The Darlington Forge Co., Ltd., Darlington
1413	Radcliffe, Henry, J.P.	Druidstone, near Cardiff
1980	Richardson, A. T.	253, Stanstead Rd., Forest Hill, S.E.
2066	Ross, Arthur, F.I.C., F.C.S.	1, Glengall Road, Old Kent Road, S.E.
2802	Ross, Harold A.	1, Glengall Road, Old Kent Road, S.E.
3083	Schofield, Walter C.	59 $\frac{1}{2}$, Southwark Street, London, E.C.
2818	Selley, Sidney V.	3, Billiter Avenue, E.C.
1603	†Skinner, W. R.	Address wanted
2671	†Stephens, Arthur	Address wanted
2565	Strong, W. T.	50, Fenchurch Street, E.C.
2193	Sumner, Leonard	Butt Hill, Prestwich, nr. Man- chester
873	*Sutherland, Sir T. G.C.M.G. (Past President).	7, Buckingham Gate, London, S.W.
2790	Taylor, H. L.	41 $\frac{1}{2}$, Union Street, Aberdeen
1981	Taylor, Wm. B.	116, Cannon Street, E.C.
2553	Thatcher, T. H.	Messrs. The Atlas Preservative Co., Ltd., Windmill Lane Wharf, Deptford, S.E.
2250	Tomlinson, F.	Messrs. The Broughton Copper Co., Ltd., Manchester
1480	Travis, A. W.	56, Exchange, Cardiff

* Life Companion by Election.

† Address wanted.

NO.	NAME.	ADDRESS.
1793	Veness, G. T.	"Caversham," Thundersley, Essex
2228	Walker, C. S. Glen	Messrs. The Manganese Bronze Co., Caxton House, Westminster, S.W.
1733	Weir, John	281, Victoria Dock Road, Custom House, E.
2791	Wiggins, Harold P.	102, Minories, London, E.C.
1388	Williams, A. S.	18, Moorgate Street. E.C.
923	Willock, F. G.	109, Hope Street, Glasgow
1678	Wooding, P. E.	"Woodleigh," 51, Seymour Gar- dens, Ilford, Essex

PROBATIONARY.

NAME.	GRADE.	ADDRESS.
Anderson, Donald M.	Member	7, Princes's Street, Sydney, N.S.W., Australia
Bailey, Henry C. (E.R.A., R.N.).	Member	c/o The Victoria Machinery Depot, Ltd., Victoria, B.C.
Carnaghan, Jas.	Member	Lloyd's Register of Shipping, Dundee, Scotland
Christie, Jas. McLean	Companion	63, Minster Road, Cricklewood, London, N.W.
Cooper, Charles	Member	Lloyd's Register of Shipping, Sunderland
Cordock, Thos. Chas.	Member	c/o M.S.S. Co., Port Chalmers, New Zealand
Dickinson, Jas. B.	Member	Meadow Hill, Berwick-on-Tweed
Field, Thos.	Member	Lloyd's Register of Shipping, Newcastle-on-Tyne
Gillman, Chas. H.	Member	Steamers' Dept., Khartoum North, Sudan, Egypt
Heck, Wm. Dennis	Member	Lloyd's Register of Shipping, 342, Argyle Street, Glasgow
Henderson, Joseph	Member	P.O. Box 805, Johannesburg, S. Africa
Hill, Wm. Cowan	Member	Engineers' Institute, Singapore, S.S.
Jones, Owen Thos.	Member	"Altus," Holyhead

NAME.	GRADE.	ADDRESS.
McKay, David Bain	Member	170, High Street, Montrose, Forfar
Macpherson, John	Member	c/o Transport Board, Union Chambers, Wellington, N.Z.
Marwood, Frank Seward	Member	31, Crockerton Road, Upper Tooting, London, S.W.
Milliken, George	Member	40, Mansfield Road, Ilford, Essex
Mitchell, John McLeod	Member	c/o Eastern & Australian SS. Co., Sydney, N.S.W., Australia
Morrison, Alexr.	Member	Lloyd's Surveyor, Dunedin, N.Z.
Muir, Robert	Associate Member	"Boblanie," Rangemore Road, Inverness, Scotland
Nickson, John Edward	Associate Member	132, Worsley Road, Winton, Patricroft, nr. Manchester
Park, Henry C.	Member	10, The Avenue, Hornsey, London, N.
Platt, John E.	Member	Combwell Farm, Thinswell, Hawkhurst, Kent
Ramsay, David	Companion	4, St. Mary Axe, London, E.C.
Sim, John	Member	View Bank, Rhynu, Aberdeenshire
Suffield, Charles	Member	The United States Metallic Packing Co., Ltd., 116, Fenchurch Street, London, E.C.
Thompson, Joseph	Member	12, Grassmere Street, Gateshead-on-Tyne, Northumberland

NAME.	GRADE.	ADDRESS.
Thompson, Joseph	Member	Azopardo, 1345, Buenos Aires, Argentine
Thompson, Wm. Robert	Associate	45, Lewisham Hill, London, S.E.
Tity, Cawasji Framji	Member	Taher Buildings, Charni Road, Girgaum, Bombay
Walker, Archibald	Member	Bank Chambers, Lambton Quay, Wellington, New Zealand
Young, Robert Lang	Member	17, York Avenue, Jordan Hill, Glasgow

INSTITUTE OF MARINE ENGINEERS INCORPORATED.

SESSION



1915-16.

President: SIR ARCHIBALD DENNY, BART., LL.D.

Vol. XXVII.

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INSTITUTE OF MARINE ENGINEERS INCORPORATED.



SESSION

1915-16.

President : SIR ARCHIBALD DENNY, BART., LL.D.

Hon. Treasurer : A. H. MATHER.

Hon. Secretary : JAS. ADAMSON.

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Vice-Chairman : H. A. RUCK-KEENE.

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A. E. BATTLE.
JOSEPH BLACKETT.
B. P. FIELDEN.

E. W. GREEN.
J. G. HAWTHORN.
G. A. MANNELL.
THOS. McLELLAN.

ALFRED ROBERTSON.
W. T. SEATON.
J. H. SILLEY.
F. M. TIMPSON.

Conveners of Committees :—

JAS. ADAMSON, Awards.
ROBT. BALFOUR, Employment.
JOHN CLARE
ALF. ROBERTSON } Experimental.
A. H. MATHER, Finance.
J. G. HAWTHORN, Junior Section.
A. E. BATTLE, Library and Reading
Room.
H. A. RUCK-KEENE } Papers.
W. T. SEATON

E. W. GREEN, } Property.
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B. P. FIELDEN, } Social and Annual
THOS. McLELLAN, } Dinner.
JAMES ADAMSON, Titanic Engineering
Staff Memorial Fund.
J. A. MANNELL, } Issue of
F. M. TIMPSON, } Transactions.

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