

MINUTE OF THE PROCEEDINGS

AT THE

Quarterly Meeting

HELD

ON FRIDAY 5TH SEPTEMBER, 1890

PRESIDED OVER BY

Mr. G. W. MANUEL

PRESIDENT.

THE HONORARY SECRETARY reported that since the Annual General Meeting of the Institute, held in March—when the Annual Statement was submitted, embracing the whole of the work done and in progress—the business of the Institute had been somewhat modified and further systematised by a division of labour. The Council looked to overtake the growing, and, at times, pressing claims made upon it, through its individual members, each one of whom was expected to bear his own share of the work.

That, by the appointment of various Committees and Conveners, formed, as far as may be, consistent with the tastes and desires of the members so appointed, it had been sought to ease the burdens resting upon the shoulders of a few, and re-distribute these; thus accomplishing the work with greater facility and pleasure to all.

That, it rested with him to leave the Reports of the different departments with the Conveners as far as possible, and content himself with merely making a formal Report bearing upon the increase of the Membership Roll, and drawing up Reports, where necessary, for the assistance of the Conveners.

He reported that, at the date of the General Business Meeting, held in November, 1889, the Membership Roll stood as follows :—

Members.	Honorary Members.	Associate Members.	Associates.	Graduates.	=	TOTAL.
160	8	9	9	4	=	190

At the Annual Meeting held in March, 1890 :—

228	17	17	16	5	=	283
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and at the present time :—

288	23	28	27	7	=	373
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thus showing a very satisfactory increase of the Roll. Progressing at the same steady rate in the future, he pointed out that the Institute bid fair to become a strong and representative body.

Mr. J. H. THOMPSON (Convener—Property Committee) reported that there had been several additions made to the property of the Institute since the Annual Meeting held in March. A bust of Mr. A. BELDAM, the first President, had been presented; a case of Asbestos goods, showing the material in its crude as well as its manufactured state; Bottles containing test pieces of iron and steel, with and without zinc attached; besides several other articles of interest.

That the coal testing apparatus had been in frequent use, and had been found of very great interest and service to members. An additional room had been rented for the purpose of keeping some of the Institute's property, where also the experiments in connection with the coal tests were carried on.

It was further reported that several members had volunteered to present objects of interest to the Institute for the purpose of stocking a Museum, and it was suggested that, in view of this being carried out, the Premises Committee should arrange for ample accommodation, as, with a membership already embracing all the Continents, a very valuable collection might be made, which would prove attractive to all, and especially so, to many of the junior members.

Mr. J. D. CHURCHILL (Convener—Premises Committee) reported that, in consequence of the difficulty he had experienced in forming a Committee, comparatively little had been done towards laying plans for other than the temporary premises in which the meetings of the Institute were held at present. He expressed a desire that other members would volunteer to join the Premises Committee, in order to meet with him and others of the Committee, for consideration of various questions connected with suitable and adequate premises.

He reported that enquiries had been made, and various proposals and sites had been under consideration, and that an actual foundation plan had been proposed.

At a Special Meeting called for the purpose, it was considered by a majority that Stratford was the most convenient locality for the Docks, and that, if a suitable site adjacent to the stations could be obtained, it should be carefully considered, at the same time suitable sites in other districts should not be shut out.

Mr. R. ADAM (Convener—Library Committee) reported that considerable progress had been made in the way of furnishing an efficient Library for the Institute.

That by the generosity of Mr. A. BELDAM a bookcase had been obtained and was already fully stocked with good and useful volumes, besides leaving out a fair number which would suit for a Circulating Library, as soon as such might be decided upon. That the number of books of which we were in possession at the beginning of the current year, as per list submitted along with the Annual Report, was 177 volumes.

That in addition to the books belonging to the Institute, were those in the Loan Collection and Campbell Memorial case, as per list submitted with the same Report, viz. :—154 volumes.

That now the number of books belonging to the Institute, which had been presented by members and friends, stood at 219, being an increase of 42 volumes since the current session began.

That the Campbell Memorial case had also been added to by 22 volumes, bringing the number up to 176 volumes.

That the money which had been presented to the Library Fund, including the amount received from Mr. BELDAM for the case, as submitted with the Cash Statement at the Annual Meeting, amounted to £11 10s.

That since then various amounts had been received, bringing up the total amount received to £18 11s. ; of this amount a good portion had been expended in the purchase of books, specially recommended for reference or reading.

That the necessity for an extension of premises pressed upon the Library Committee, the present bookcases being full to overflowing, and many books which deserved an honoured place in the case, had been left out to mourn the fact, that in place of standing on end, as they ought to, for the convenience of would-be readers, they occupied more ignominious positions, having to lie closely packed in the cupboards.

The Library Committee trusted that when the new premises were being arranged for, the claims of our silent friends, "our books," would not be forgotten.

Mr. L. P. COUBRO (Convener—Papers and Discussions Committee) reported that there was no dearth of Papers for the current or ensuing session. A difficulty had been experienced in fixing definite dates for reading them, hence the arrangements had not been intimated so far in advance as desirable.

That the subjects on which it was proposed to treat as near as might be in the order for reading, were "Water Jet Propulsion," by Mr. RUTHVEN; "Propellers," by Mr. DREWRY; "Boilers," by Mr. MANUEL; "Ventilation for Steamships," by Mr. D. G. HOEY; "Copper Pipes," by Mr. W. J. N. BRETT (Associate); "Electricity" (Lectures), by Mr. J. McF. GRAY; besides several other Papers in preparation.

It had been decided that, partly owing to the great expense in connection with the publishing of the Papers, and partly in consideration of the desire expressed by many members for fixed dates, on which impromptu discussions could be held fortnightly, if not more frequently, only one Paper per month should be read. The Committee had kept this in view in making arrangements.

Mr. W. W. WILSON (Convener—Issue of Transactions) reported that all the Papers, which had been printed and published to date, had been issued. In some cases the Papers posted to members had been returned, owing to change of address. Notification of change of address should be given, so that such mishaps should not take place. It was desirable that Papers should be published as soon as possible after being read, that they might be in the hands of the members before many weeks had elapsed. It was urged upon all members taking part in a discussion, either by correspondence or otherwise, that their Remarks should be given to the Honorary Secretary, at as early a date as possible, so as to expedite the work of printing.

It was further reported that from sixty to seventy copies of the First volume of the Transactions had been bound, and orders were still being received for binding copies for members in the same style as the specimen copy on the table, or, for the whole volume complete. Several Papers had to be re-printed to meet these orders.

The attention of members was called to the number of Papers that had been published, that they might give notice in the event

of the non-receipt of any of those published after the date of their election, and to which they were therefore entitled.

Mr. F. W. SHOREY (Convener—Reading Room) reported that, by the courtesy of the Publishers, covers had been obtained for most of the Papers which were placed on the Reading Room table, comprising the following:—*The Marine Engineer, Steamship, Shipping World, The Engineer, Engineering, The Practical Engineer, The Mechanical World, Iron, Fairplay, Iron and Coal Trades' Review, Industries, Illustrated London News, Graphic, The Bailie, Pen and Pencil*, and other papers occasionally. It was urged that members should leave the various papers in their respective covers, or replace them before leaving the Reading Room, as otherwise disorder ensued, and the work of the Committee was materially increased. The old numbers of most of the papers named, as soon as a volume had been made up, had been handed over to the Campbell Memorial Library by a resolution of the Council, the Trustees having agreed to bind them and add them to the collection for the use of members, on the same terms as the rest of the volumes in that collection.

Members were reminded that the Reading Room is open every evening, from 5 to 10 o'clock, for their use and convenience.

Mr. J. G. HAWTHORN (Convener—Press Notices and Cuttings) reported that the Scrap Book was being filled up with cuttings, from papers, containing records or notices of events, discoveries and enquiries, regarding any matters of interest to engineers.

A very full report of each day's proceedings at the enquiry in connection with the "City of Paris" had been recently added; and the Committee would be glad to receive from Members, communications which they considered would be worth preserving, as useful for reference, or sufficiently interesting to raise a discussion on.

Mr. S. C. SAGE (Convener—Recreation) was unable to be present, and, in his absence, it was reported that arrangements would be entered upon, in the course of a few weeks, for a Social Meeting of members and friends, on somewhat similar lines to the *Conversazione* held last year, in the Town Hall, Stratford.

Mr. R. BRUCE (Convener—Finance) was also unable to be present, and, in his absence, it was reported that meantime there were no funds to finance, as no scheme had yet been formulated by the Committee to meet the proposals of the Premises Committee.

In addition to the offers made at the annual Business Meeting, in connection with the premises, and which were as undernoted :—

£ s. d.		£ s. d.	
* Mr. H. E. Lester	10 0 0	Alderman Kidd	10 10 0
Mr. L. P. Coubro	10 0 0	Mr. H. W. White	5 0 0
Mr. J. D. Churchill	10 0 0	* Mr. G. W. Manuel	10 0 0

The following-named offers had been received :—

£ s. d.		£ s. d.	
* Mr. A. W. Robertson	10 0 0	† Mr. John Tait P	1 0 0
* Messrs. Rait & Gardner	10 0 0	Mr. David Phillips P... ..	10 0 0
Mr. W. C. Roberts... ..	5 5 0	Messrs. Dewrance	5 5 0
The Editor of "The Marine Engineer"	25 0 0	Mr. A. Beldam P	25 0 0
† Mr. Jas. Weir (Glasgow) P	10 0 0	A Friend per Mr. Churchill P	25 0 0
† Mr. Peter Denny, L.L.D. (Dumbarton) P	50 0 0	Mr. J. D. Churchill (addi- tional) P	10 0 0
† Mr. W. Brock (Dumbar- ton) P	25 0 0	Mr. Boaz P	10 0 0
		Mr. E. L. E. Melsom P	5 0 0
		Mr. A. Harris P	5 0 0

These offers being all spontaneous, it might be considered that, when a move was made with a well-planned scheme to raise the money necessary for the erection of a Building—or purchase of an existing one, capable of meeting the requirements of the case—not much difficulty would be experienced, especially as the Institute was not local in its action but universal in its operations, reaching already, not only to various sea-ports in the United Kingdom and the several Continents, but the Antipodes.

Mr. R. LESLIE (Honorary Treasurer) reported that the Funds were in a satisfactory condition, and a good Balance in the Bank. He considered that the amounts promised towards the Building Fund should be lodged in the bank without delay, to form a nucleus around which other amounts would be sure to gather. Members were desired to forward their subscriptions as soon as convenient after they became due. By attention to this the books could be easier kept and the work would also be minimised to both the office-bearers who were specially interested in keeping the work from falling into arrears, as well for their own sakes as the sake of the best interests of the Institute and its members.

It was proposed and seconded, that, as Cardiff had now a fairly representative membership in the Institute, arrangements should be made for the next Paper, on "Water Jet Propulsion," by Mr. J. R. RUTHVEN, to be read simultaneously at London and Cardiff on the date fixed, viz., Tuesday, September 26th, and that

* With an additional £10, if required, for preliminary details.
P Received since the Meeting.

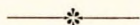
† Received.

Mr ELMS, who was present with another one or two of the Cardiff members, should be asked to make the necessary arrangements. The proposal was agreed to with acclamation. Mr. ELMS in responding said he would be pleased to give all the assistance he could, to arrange for a meeting in Cardiff on the date named, although the subject was one with which he was not much acquainted. The reading of the Paper itself would serve to bring together many who were deeply interested in the progress of the Institute in Cardiff, and might lead to other meetings being held, which would tend to establish the Institute in a port which he considered, in common with the Cardiff contingent, to be one of the most important in the Kingdom.

The meeting closed with a vote of thanks to the President, which was duly responded to.



P R E F A C E.



THE LANGTHORNE ROOMS,
BROADWAY, STRATFORD,
14th October, 1890.

A meeting of the Institute of Marine Engineers was held here this evening, presided over by Mr. L. P. Coubro', when the Paper read by Mr. John R. Ruthven, on "Water Jet Propulsion," on Tuesday, 16th September, was further discussed.

At the meeting held on 16th September, the chair was occupied by Mr. G. W. Manuel, President.

The proceedings of both evenings are given in detail in the pages which follow.

The subject introduced by Mr. Ruthven is of considerable interest, and many points raised in, and during, the discussion were productive of valuable comments and hints.

A plan of the "Waterwitch," showing the water outlets, and a table showing the comparative results of trials made with Water Jet as against Twin-Screw Propellers, are given, and serve to illustrate the principles and comparative economy of the system advocated by the author.

JAS. ADAMSON,
Honorary Secretary.

