

THE ENGINEERING ASSOCIATION

OF

NEW SOUTH WALES.

(Established, 1870.)

Incorporated 1884.)

SESSION. 1891-2.

PART I.

MINUTES OF PROCEEDINGS.

ANNUAL GENERAL MEETING,

15TH OCTOBER, 1891.

MR. G. FISCHER, VICE-PRESIDENT, in the Chair.

*ANNUAL REPORT AND BALANCE SHEET.—On the motion of Mr. W. Shellshear, seconded by Mr. J. Sands, the Report and Balance Sheet were unanimously adopted.

Mr. J. I. Haycroft drew the members' attention to that portion of the Report which made reference to the non-payment of Subscriptions, and stated that he wished to move the following resolution :—"That the Council take the necessary steps to enforce By-law Section V, paragraph 5, in respect to members who are more than two years in arrears."

Mr. G. Clark seconded the motion.

Mr. W. Shellshear considered that it would be unwise to carry this motion, as there were several members in arrears who, if time were allowed, would eventually pay, and suggested that the matter should be left to the discretion of the Council

Mr. W. E. H. Nicolle supported Mr. Shellshear's remarks.

*This Report, with Balance Sheet, is published in Vol. VI.—Ed.

Mr. Haycroft asked to be allowed to amend his resolution, as follows:—"That the Council, in the exercise of their discretion, take the necessary steps to enforce By-law Section V, paragraph 5, in respect to members who are more than two years in arrears." The motion on being put to the meeting was carried unanimously.

ELECTION OF OFFICERS AND COUNCIL.—The Chairman announced that the next business was the election of Officers and Council for the ensuing year, and requested the members to appoint two scrutineers. On the motion of Mr. Nicolle, seconded by Mr. Seaver, Messrs. Haycroft and Clark were appointed scrutineers. The Chairman then vacated the chair, which was temporarily filled by Mr. T. W. Seaver. The ballot resulted in the unanimous election of the gentlemen nominated to fill the respective offices, viz.—

PRESIDENT :

G. FISCHER.

VICE-PRESIDENTS :

R. POLLOCK.

J. B. HENSON.

HON. SECRETARY AND EDITOR :

H. V. AHRBECKER (*re-elected*).

HON. TREASURER :

JOHN SANDS (*re-elected*).

OTHER MEMBERS OF COUNCIL :

W. D. CRUICKSHANK.

L. HARGRAVE.

A. D. NELSON.

W. E. H. NICOLLE.

W. SHELLSHEAR.

L. C. AULDJO.

Mr. G. Fisher returned thanks for the honor conferred upon him, and resumed the chair.

PAPER.—"Underground Electric Light Mains," by Mr. J. O. Callender. Mr. Callender then read his paper on the above subject, and illustrated his remarks by lantern diagrams,

and samples of the various leads and conduits. On the motion of Mr. Kingsbury, seconded by Mr. Haes, this discussion was adjourned for a fortnight. On the motion of Mr. Nicolle, seconded by Mr. Haycroft a unanimous vote of thanks was accorded Mr. Callender for his very interesting paper.

The meeting then terminated.

12TH MARCH, 1891.

MR. A. D. NELSON in the Chair.

DISCUSSION ON MR. CALLENDER'S PAPER.—The Chairman called on Mr. H. H. Kingsbury, the mover of the adjournment, to open the discussion, but owing to that gentleman not being prepared, Mr. Whiffen was asked to take his place. Mr. Whiffen stated that he had not yet had time to read the paper, and suggested that the discussion should be adjourned for one week. Mr. O. Haes supported this proposal, and on it being put to the meeting, was adopted.

The Chairman, in closing the meeting stated that he desired to take this opportunity to place on record a few remarks, as it would be unfair on his part to vacate the chair which he had had the honor of filling for the past three years, without expressing his satisfaction with the manner in which the Council had assisted him in his duties. He had filled many positions as Director of various companies, etc., but he had never been connected with a body of men who got through work in less time than the Council of this Association, and this was evidence that they were keenly looking after its interests. He trusted that during the present year the Council and President would work as well together, and a successful result. In this matter a great deal rested in the hands of the members, as it was an impossibility to do anything without their active co-operation. He would be very pleased to see

some of the younger members coming forward and making themselves known.

The meeting then terminated.

19TH NOVEMBER, 1891.

MR. G. FISCHER, PRESIDENT, in the Chair.

DISCUSSION ON MR. CALLENDER'S PAPER.—The discussion was opened by Mr. Whiffen, who dealt very fully with the Crompton Bare Wire System. The discussion was continued by Professor Threlfall, Messrs. Tournay-Hinde, Fitzmaurice, Dymond, Mahoney, and the President. Mr. Callender having replied to the various comments, the meeting terminated.

24TH MARCH, 1892.

MR. R. POLLOCK, VICE-PRESIDENT, in the Chair.

The following candidates were balloted for and duly elected :—

MEMBERS :

W. A. JONES

R. L. GUNDLACH.

ASSOCIATE :

J. W. GIBSON.

STUDENT :

K. S. CLIFT.

The Chairman announced that the Council had, with regret, received a letter from Mr. G. Fischer, in which he tendered his resignation as President in consequence of his departmental duties.

PAPER "A Review of Marine Engineering during the past decade," by Mr. Alfred Blechynden, of Barrow-in-Furness.—Read by Mr. W. D. Cruickshank.

Mr. Cruickshank said that such papers as the one he was about to read should receive special attention from the members of this Association if they wished to keep up with modern practice. At the conclusion of the reading of the paper, the Chairman called on Mr. Hector Kidd to open the discussion. Mr. Kidd, in his remarks took exception to certain statements of the author on feed heaters. The hour being late, it was resolved on the motion of Mr. L. C. Auldjo seconded, by Mr. A. D. Marshall to postpone the further discussion of the paper until the 21st proximo.

The meeting then terminated.

21ST APRIL, 1892.

MR. R. POLLOCK, PRESIDENT, in the Chair.

Owing to the inclemency of the weather there was but a small attendance of members, and it was considered desirable to further postpone the discussion on Mr. Blechynden's paper until the next meeting.

PAPER "The Electric Lighting Sydney and Suburbs," by Mr. A. W. Tournay-Hinde.—The President said that as there were a number of gentlemen interested in electrical matters present, he would call on Mr. Tournay-Hinde to read his paper. After the paper was read, Mr. F. A. Franklin moved, "that the discussion be adjourned until the 5th proximo, and that the paper be printed and circulated among the members to enable them to give this important question their consideration." Mr. W. D. Cruickshank seconded the motion and also proposed a vote of thanks to the author, which was accorded by acclamation, and the motion declared carried.

VOLUME VI OF PROCEEDINGS.—The President announced that Volume VI had been published, and asked members to make application for same.

The meeting then terminated,

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5TH MAY, 1892.

Mr. R. POLLOCK, PRESIDENT, in the Chair.

The following candidate was balloted for and duly elected:—

MEMBER:

J. R. PADDLE.

DISCUSSION ON MR. BLECHYNDEN'S PAPER, "A REVIEW OF MARINE ENGINEERING DURING THE PAST DECADE."—The President called on Mr. L. C. Auldjo, the mover of the of the adjournment, to continue the discussion. Mr. Auldjo, having commented on several points in the paper, was followed by Messrs. A. D. Marshall and A. Christie. The last named gentleman gave some very interesting data in connection with under-fired multitubular (Colonial type) boilers, the results of an evaporative test carried out at Mort's Dock Company's Works by Mr. H. V. Ahrbecker and himself. Mr. Ahrbecker having given the analysis of the coal used, the discussion was continued by Mr. J. S. Fitzmaurice and the President, after which, the President called on Mr. W. D. Cruickshank to reply. Mr. Cruickshank said he was very pleased that Mr. Blechynden's paper had given rise to so much discussion. The author had condensed a vast amount of information in his paper, which would prove of great advantage to all engineers, whether on land or sea. After referring to the remarks of the various speakers he concluded by saying that in his opinion the reading and subsequent discussion of such papers must do a great deal of good, as it brought our members into contact with the latest standard practice.

DISCUSSION ON MR. A. W. TOURNAY-HINDE'S PAPER "THE ELECTRIC LIGHTING OF SYDNEY AND SUBURBS."—The President called on Mr. F. A. Franklin, the mover of the adjournment, to open the discussion. Mr. Franklin having concluded his remarks, was followed by Mr. W. D. Cruickshank. The hour being late, it was unanimously agreed, on the motion of Mr. O. Haes, seconded by Mr. J. O. Callender, to postpone the