

THE ENGINEERING ASSOCIATION

OF

NEW SOUTH WALES.

(Established 1870.

Incorporated 1884)

SESSION, 1894-5.

PART I.

MINUTES OF PROCEEDINGS.

ANNUAL GENERAL MEETING,

11TH OCTOBER, 1894.

MR. A. D. NELSON, VICE-PRESIDENT, in the Chair.

DEATH OF MR. W. SCOTT.—The Chairman referred in feeling terms to the death of Mr. Scott, one of the Association's oldest members, and earnestly requested all members who could make it convenient to attend the funeral, which was to take place on Saturday morning, the 13th instant.

*ANNUAL REPORT AND BALANCE-SHEET.—On the motion of the Chairman, seconded by Mr. G. Boulton, the Report and Balance-Sheet were unanimously adopted.

ELECTION OF OFFICERS AND COUNCIL.—The Chairman stated that the next business was the election of Officers and Council for the ensuing year, and that it was necessary to appoint two scrutineers. On the motion of Mr. G. Boulton, seconded by

* This Report and Balance-Sheet was published in Vol. IX.—ED.

Mr. G. Fischer, Messrs. H. B. Howe and J. S. Fitzmaurice were elected to fill this position. The ballot was then taken, and the Chairman announced that the following named gentlemen had been elected to fill the respective offices, viz.—

PRESIDENT :

A. D. NELSON.

VICE-PRESIDENTS :

W. D. CRUICKSHANK. GEORGE MASSEY.

HON. SECRETARY AND EDITOR :

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

HON. TREASURER :

JOHN SANDS (*re-elected*).

COUNCIL :

R. POLLOCK

G. FISCHER

NORMAN SELFE

L. C. AULDJO

HECTOR KIDD

A. M. HOWARTH.

The President (Mr. A. D. Nelson) thanked the members for the honour conferred in electing him, and earnestly requested them to give him their hearty co-operation to make the ensuing year a success.

PAPER—"THE RISE AND PROGRESS OF LIFT CONSTRUCTION," by Mr. Norman Selfe. The President called on Mr. Selfe to read his paper, and at its termination Mr. R. Morse, seconded by Mr. T. Raw, moved that a hearty vote of thanks be accorded the author for his very interesting contribution, and that the discussion be adjourned for a fortnight.

The motion was agreed to, and the meeting then terminated.

25TH OCTOBER, 1894.

MR. A. D. NELSON, PRESIDENT, in the Chair.

The following Candidate was balloted for and duly elected :—

STUDENT :

EDWARD CHAMBERS.

DISCUSSION ON MR. NORMAN SELFE'S PAPER—"The Rise and Progress of Lift Construction in New South Wales." Mr. R. Morse, the mover of the adjournment, opened the discussion, and was followed by Messrs. T. Dickinson, J. Napier, and J. S. Fitzmaurice, after which the author replied to the various criticisms on his paper, and thanked the members for their attention.

The meeting then terminated.

14TH MARCH, 1895.

MR. A. D. NELSON, PRESIDENT, in the Chair.

The following Candidate was balloted for and duly elected :—

MEMBER :

HERBERT M. FORD.

PRESIDENTIAL ADDRESS.—The President then proceeded to read his address, which outlined the previous year's work of the Association, and then dealt extensively with "the law of fixtures." Several cases in which verdicts had been given were cited by the President, proving the difficulty in defining "a fixture," and he suggested that in technical cases the Judge should have a man—or, to go further, a special jury of business men—with a technical knowledge of the case being heard, to whom he could apply for information. In concluding, the President referred to the "Boiler Inspection Bill," and expressed a hope that every effort would be brought to bear on Parliament to have this Bill passed.

A hearty vote of thanks was accorded Mr. Nelson on the motion of Mr. R. Pollock, seconded by Mr. W. D. Cruickshank.

Mr. G. Mansfield (visitor), in supporting the motion, stated that if the Association decided to take any steps to have matters relating to the law of fixtures put upon a better basis, he felt sure the architects would give their support.

The meeting then terminated.

18TH APRIL, 1895.

MR. A. D. NELSON, PRESIDENT, in the Chair.

CORRESPONDENCE.—A letter from Major W. F. Bridges was read, intimating that Major-General Hutton had been pleased to make arrangements for the members of the Association to visit the fortifications on Saturday, the 27th instant.

DONATION TO THE LIBRARY.—The President announced that Alderman John Taylor had presented the Association with the mechanical works originally the property of Messrs. P. N. Russell & Co. On the motion of Mr. J. Elder, seconded by Mr. H. J. Vale, a hearty vote of thanks was accorded Mr. Taylor for his gift.

The meeting then terminated.

9TH MAY, 1895.

MR. A. D. NELSON, PRESIDENT, in the Chair.

The following Candidates were balloted for and duly elected :—

MEMBERS :

JOHN GRESLEY EALES
GEORGE McRAE.

STUDENT :

R. J. N. FRANKI.

INSPECTION OF THE ENGINEERING SECTION OF THE TECHNICAL COLLEGE —The President announced that the members of the Association were invited to inspect the Engineering Section of the Technical College on Saturday, the 11th instant, and expressed a hope that a large number would avail themselves of this opportunity.

PAPER ON "REFRIGERATION," by Mr. L. C. Auldjo. The President then called on Mr. Auldjo to read his paper, and at its conclusion a discussion ensued, in which Messrs. Norman Selfe and W. D. Cruickshank took part. On the motion of Mr. T. Irons, seconded by Mr. G. Fischer, the further discussion was adjourned to the next monthly meeting. On the motion of Mr. R. Pollock, seconded by Mr. T. Irons, a unanimous vote of thanks was accorded Mr. Auldjo for his valuable paper.

On the motion of Mr. W. D. Cruickshank, seconded by Mr. R. Thorpe, it was decided to form a committee for the purpose of inviting persons who were interested in the subject of refrigeration. The arrangements to be made by the Council.

LAND BOILER INSPECTION.—The President, in the course of some remarks on the subject of land boiler inspection, said he thought it was the duty of the Association to endeavour to get this Bill passed into law. Messrs. Norman Selfe, L. C. Auldjo, G. Fischer, A. M. Howarth, T. Irons, R. Thorpe and J. S. Fitzmaurice having spoken in favour of the Bill, the proceedings terminated.

13TH JUNE, 1895.

MR. A. D. NELSON, PRESIDENT, in the Chair.

The following candidate was balloted for and duly elected:—

STUDENT:

PERCY OSWALD PICKBURN.

DISCUSSION ON MR. AULDJO'S PAPER ON "REFRIGERATION."—
The discussion was opened by Mr. W. D. Cruickshank, and followed by Messrs. Norman Selfe, J. Wildridge, T. Irons, R. D. Postle, Thomas, and the President, Mr. A. D. Nelson, after which the author replied to the various questions and criticisms on his paper.

The President, in closing the meeting, drew attention to the coming sheep sales to be held in Sydney, at which there was certain to be a large attendance of pastoralists, and threw out a suggestion that some member should read another paper on refrigeration, and that invitations be issued to the pastoralists.

The meeting then terminated.

11TH JULY, 1895.

MR. W. D. CRUICKSHANK, VICE-PRESIDENT, in the Chair.

The following candidates were balloted for and duly elected :—

MEMBERS:

JOHN ANDERSON.
CHARLES FORTIER.
WILLIAM HOLMES NISBET.
CHARLES E. STOCKWELL.
ALBERT W. WHITE.

STUDENT:

ALBERT JOHN LODDER.

CORRESPONDENCE.—A letter was read from the Superintendent of the Technical College acknowledging receipt of the Association's Proceedings, and intimating that members of the Engineering Association may, on making themselves known at the College, have access to the library.

VISIT TO THE NEW SOUTH WALES FRESH FOOD AND ICE CO.—
The Chairman called attention to the proposed visit of members on Saturday, the 13th inst., and hoped there would be a good attendance.

PAPER, "HOT WATER CIRCULATION," by Mr. J. Napier.—The paper was read by the author, and was followed by a discussion, in which Messrs. Norman Selfe, L. C. Auldjo, A. M. Howarth, and J. S. Fitzmaurice took part. Mr. Napier replied to the various criticisms, and was accorded a vote of thanks on the motion of Mr. L. C. Auldjo, seconded by Mr. A. Christie.

The meeting then terminated.

8TH AUGUST, 1895.

MR. R. POLLOCK in the Chair.

The following Candidates were balloted for and duly elected :—

STUDENTS :

ALBERT WILSON

AUGUSTUS KEATING.

PAPER ON "ROOF COVERINGS," by Mr. James Nangle. The Chairman then called on Mr. Nangle to read his paper, and at its conclusion a discussion ensued, in which Messrs. R. Pollock, G. Fischer, A. M. Howarth, and J. S. Fitzmaurice took part. The author having replied to the various criticisms on his paper, he was accorded a vote of thanks, on the motion of Mr. Fischer, seconded by Mr. Howarth.

The meeting then terminated.

19TH SEPTEMBER, 1895.

MR. A. D. NELSON, PRESIDENT, in the Chair.

The following Candidate was balloted for and duly elected :—

MEMBER :

RICHARD MANNING.

DEATH OF MR. JAMES RICHMOND.—The President in feeling terms referred to the death of Mr. Richmond and the loss thereby sustained by the Association.

DONATION TO THE LIBRARY.—The President announced that the Royal Scottish Society of Arts had presented the Association with fifty-six volumes of their Transactions, which would form a very valuable addition to the library.

APPOINTMENT OF AUDITORS.—On the motion of Mr. R. Pollock, seconded by Mr. A. Christie, Messrs. H. J. Vale and E. A. Holden were appointed to audit the books of the Association for the past year.

PAPER ON "A PROPOSED SUB-AQUEOUS VIADUCT ACROSS SYDNEY HARBOUR, FROM DAWES' BATTERY TO MILSON'S POINT," by Mr. A. M. Howarth. The President then called on Mr. Howarth to read his paper, which proved of a most interesting character. At its conclusion the author was accorded a hearty vote of thanks, on the motion of Mr. W. D. Cruickshank, seconded by Mr. G. Fischer, and the discussion thereon adjourned to the next monthly meeting.

The meeting then terminated.
