

THE ENGINEERING ASSOCIATION

OF

NEW SOUTH WALES.

Established 1870.

Incorporated 1884.

SESSION 1895-6.

PART I.

MINUTES OF PROCEEDINGS.

ANNUAL GENERAL MEETING,

17TH OCTOBER, 1895.

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

The following candidate was balloted for and duly elected:—

MEMBER.

WILLIAM BELL.

ANNUAL REPORT AND BALANCE SHEET. On the motion of the President, seconded by Mr. Dickinson, the Report and Balance Sheet were unanimously adopted,

ELECTION OF OFFICERS AND COUNCIL.—The President 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. R. J. Thorpe, Messrs. H. J. Vale 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 :

HECTOR KIDD. A. M. HOWARTH.

HON. SECRETARY AND EDITOR :

HENRY V. AHRBECKER.

HON. TREASURER :

JOHN SANDS.

COUNCIL :

W. D. CRUICKSHANK	R. POLLOCK
G. FISCHER	L. C. AULDJO
H. B. HOWE	GEO. MASSEY.

The President (Mr. A. D. Nelson) thanked the members for his re-election, and earnestly requested their co-operation during the ensuing Session.

Discussion * on Mr. A. M. Howarth's Paper—"A PROPOSED SUB-AQUEOUS VIADUCT ACROSS SYDNEY HARBOUR, FROM DAWES POINT BATTERY TO MILSON'S POINT."

The Meeting then terminated.

12TH MARCH, 1896.

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

The following candidates were balloted for and duly elected :—

MEMBERS.

FRANK CLEMENT LEE

WILLIAM BOWRY.

* This discussion was published in Vol. X.—ED.

PRESIDENTIAL ADDRESS.—The President then proceeded to read his address. Having given a resumé of the year's work of the Association, he dealt very fully with the extensive operations that were going on in the Illawarra district, more especially in connection with the Smelting Co. of Australia. The concluding portion of the address dealt extensively and minutely with the wealth of iron deposits in the colony, and statistics were quoted to prove that iron could be manufactured locally, at a reasonable price, if sufficient encouragement was given by the Government, who were the largest consumers.

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

The meeting then terminated.

9TH APRIL, 1896.

MR. R. POLLOCK in the Chair.

The following candidate was balloted for and duly elected :—

MEMBER.

WILLIAM KENWOOD

PAPER by MR. HECTOR KIDD.—“A DESCRIPTION OF THE IMPOUNDING RESERVOIR AND COOLING TOWER FOR THE WATER SUPPLY AT THE CHILDERS SUGAR FACTORY, QUEENSLAND.” Owing to the absence of the author, the paper was read by Mr. Cruickshank.

On the motion of the Chairman, seconded by Mr. Howarth, the discussion was adjourned to the next meeting.

The meeting then terminated.

14TH MAY, 1896.

MR. R. POLLOCK in the Chair.

The following candidates were balloted for and duly elected :—

MEMBERS.

G. S. STOWE.

ALBERT E. LEA.

Discussion on MR. KIDD'S PAPER.—“ A DESCRIPTION OF THE IMPOUNDING RESERVOIR AND COOLING TOWER FOR THE WATER SUPPLY AT THE CHILDERS SUGAR FACTORY, QUEENSLAND.” The discussion was opened by Mr. Howarth, and followed by Messrs. Cruickshank, Auldjo, Norman Selfe, and Fitzmaurice Mr. German, in the absence of the author, replied.

The meeting then terminated.

11TH JUNE, 1896.

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

The following candidates were balloted for and duly elected :—

MEMBERS.

JOSEPH H. D. BREARLEY.

ROBERT WHITTAKER.

PAPER by MR. J. B. HENSON—“ COOK'S RIVER: ITS CONDITION AND DESTINY.” The paper, owing to the author being detained in Newcastle, was read by Mr. Nelson. At its conclusion a hearty vote of thanks was accorded the author, and on the motion of Mr. Kidd, seconded by Mr. Howarth, the discussion was adjourned to the next meeting.

The meeting then terminated.

9TH JULY, 1896.

MR. W. D. CRUICKSHANK in the Chair.

The Chairman announced that the Council of the Association had been considering the question of holding a Scientific Exhibition during the year 1897, and had decided, with the co-operation of the Electric Club of N.S.W., whose representatives were present at the meeting, in favour of the project. He also stated that this matter would be brought up for discussion at the next meeting.

The meeting then terminated.

13TH AUGUST, 1896.

MR. H. B. HOWE in the Chair.

The following candidate was balloted for and duly elected :—

MEMBER.

WILLIAM B. DICK.

ELECTION OF AUDITORS.—The Chairman then announced that the next business was the election of two Auditors.

On the motion of Mr. Fischer, seconded by Mr. Jas. Elder, Messrs. H. J. Vale and E. A. Holden were appointed auditors for the year.

Communication from Council *re* the holding of an Engineering Exhibition.

The Chairman reported that the question of holding an Engineering and Electrical Exhibition during the year 1897 had been discussed by the Council and also by a sub-committee appointed by the Councils of the Engineering Association and Electric Club, and it had been decided that it was desirable to hold the Exhibition by the two Societies conjointly. The matter had also been laid before the Electric Club at their last meeting, and a resolution was carried confirming the holding of the Exhibition, and it now only rested with the members of the Association to finally decide the matter.

After a brief discussion, in which Mr. G. Fischer, J. Sands, N. Selfe, and the Chairman took part, it was resolved, on the motion of Mr. Fischer, seconded by Mr. Norman Selfe, "That it was desirable to hold an Exhibition next year in conjunction with the Electric Club, and that the Council should take all necessary steps therefor."

Discussion on Mr. Henson's Paper—"COOK'S RIVER: ITS CONDITION AND DESTINY." Mr. Smail discussed the paper at some length. No other members being desirous of speaking on the Paper, the Chairman declared the discussion closed.

PAPER ON "MONIER STRUCTURE," by Mr. A. E. Cutler.

Mr. A. E. Cutler then read a very interesting Paper on Monier Structures, and illustrated his remarks with diagrams and drawings. At the conclusion, Mr. Selfe moved and Mr. Smail seconded, "That a hearty vote of thanks be accorded Mr. Cutler for his valuable contribution to the Society's proceedings."

This was carried by acclamation.

On the motion of Mr. Selfe, seconded by Mr. Smail, the discussion was adjourned until the next monthly meeting.

THISTLE MILKING MACHINE.—Mr. Wm. B. Dick read a short and descriptive paper on the Thistle Milking Machine, and exhibited the machine at the meeting. At the conclusion a hearty vote of thanks was accorded the author by acclamation for his interesting paper, on the motion of Mr. J. Sands, seconded by Mr. J. S. Fitzmaurice.

SECTION I.

AMENDMENT OF BY-LAWS.

The Secretary moved that the amendment proposed to Section I, by the Council, be confirmed. Mr. Howarth seconded.

Mr. N. Selfe moved, as an amendment, that all the words after Australia be struck out, as he considered them superfluous and dictatorial. Mr. Fischer seconded. Mr. Smail supported the amendment of Mr. Selfe, and expressed the opinion that the Association should aim at strictly professional advancement. The Secretary in reply explained that the amendment proposed by Council was practically taken from the Rules of the American Institute of Electrical Engineers, and if such an Association, whose members numbered some thousands, saw fit to have meetings for social intercourse included in the statement of their objects, he could not understand what objection there could be to the Engineering Association adopting a similar course.

The amendment of Mr. Selfe was then put to the meeting and declared lost.

Mr. Fischer suggested that the words "means for social intercourse" should be put at the end of the section. Mr. Fitzmaurice assented. The Chairman then put the motion, which read as follows:—

"The Engineering Association of New South Wales was first established, and has since been incorporated by Act of Parliament, for the general advancement of Engineering and Mechanical Science, and more particularly those branches of Civil and Mechanical Engineering which tend to develop the resources of Australia, by means of meetings for the reading and discussion of professional papers, for social intercourse, and the circulation, by means of publication among its members and associates, of the information thus obtained."

The motion was carried.

SECTION II.

ADDITIONAL SUB-SECTION.

Mr. Fischer moved, and Mr. Brierley seconded, "That the proposed addition to Section II be omitted." Mr. Fitzmaurice (the Secretary) moved as an amendment "That the proposed section be confirmed," and explained that the proposal was made in deference to the expressed wishes of several members of the Association. Mr. Cutler seconded. Mr. Selfe thought the initials proposed would be misleading. This opinion was endorsed by Messrs. Fischer and Smail.

The amendment was then put and declared lost, and Mr. Fischer's motion, on being put to the meeting, was declared carried.

SECTION V.

Mr. Fischer moved, and Mr. Selfe seconded, "That the amendment as suggested by Council be confirmed." This was carried unanimously. The Chairman then moved "That the By-laws as amended be confirmed," which was also carried unanimously.

The meeting then terminated.

10TH SEPTEMBER, 1896.

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

The following candidates were balloted for and duly elected:—

MEMBERS :

CHARLES WILKIN
WILLIAM MILNE.

ASSOCIATE :

GEO. EDWARD DEAN.

ALTERATION TO RULES AND BY-LAWS.—The alterations passed at the meeting held on the 13th August were adopted on the motion of Mr. G. Fischer, seconded by Mr. H. B. Howe.

PAPER—"THE MERGENTHALER LINOTYPE MACHINE," by Mr. Harry Franks. The President then called on Mr. Franks to read his paper. At its conclusion, a hearty vote of thanks was accorded him on the motion of Mr. H. Kidd, seconded by Mr. H. B. Howe.

The meeting then terminated.
