

MINUTES OF PROCEEDINGS.

20TH MARCH, 1890.

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

THE following candidates were balloted for and duly elected :—

MEMBERS :

DUNCAN SALMOND
GEORGE ASHCROFT
W. A. CHETTLÉ
THOMAS ANDREW.

The PRESIDENT announced the election by the Council of Mr. Lawrence Hargrave as Librarian, and Mr. W. E. H. Nicolle, as Secretary.

DONATION.—The President reported that the Council had been offered some valuable original certificates of the first screw propeller trials made by the Admiralty, which had been accepted for the Association, and he thanked Mr. T. Andrews, the donor, on behalf of the Association.

ANNUAL VOLUME.—The President announced that Volume III. of the Society's Proceedings had been completed, and available for issue to members.

PRESIDENT'S ANNUAL ADDRESS.—The President then proceeded to read his Annual Address to the members, and in concluding he thanked them for the honour they had done him by re-electing him as President, and he explained that his recent illness had prevented him from dealing with many subjects mentioned in his address as fully as he otherwise would have done.

Mr. R. Pollock moved a vote of thanks to the President, which was seconded by Mr. Hargrave, and supported by Mr. W. D. Cruickshank, who took the opportunity of making some explanatory statements *re* the inspection of land boilers, alluded to in the address. The vote of thanks was unanimously accorded by the meeting, and suitably acknowledged by the President.

VOTE OF THANKS TO THE EDITOR.—Mr. H. E. Dickenson drew attention to Vol. III. of the Proceedings, which he considered a creditable production by the newly-appointed Editor (Mr. H. V. Ahrbecker), and he moved “that a vote of thanks be accorded to Mr. Ahrbecker for his editorial services and trouble in producing such creditable work.” Mr. G. Fischer, in suitable terms, seconded the motion, which was carried by acclamation, and duly acknowledged by Mr. Ahrbecker.

10TH APRIL, 1890.

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

PROPOSED MECHANICAL EXHIBITION.—The President stated that a proposal had been made by the Council to consider the advisability of holding another Exhibition, similar to those previously held under the auspices of the Association, and it was decided to submit the matter to the general meeting for discussion; owing, however, to the small attendance, he would postpone the consideration of the question until the next meeting.

DEPARTURE OF MR. HY. BRODERICK FROM AUSTRALIA.—The President announced that Mr. Broderick, one of the oldest members of this Association, was on the eve of leaving Sydney for a time, and he (the President) considered the Association might mark its esteem for him by assembling on board the steamer on the day of his departure for the purpose of wishing him *bon voyage* and a safe return.

PAPER ON “The Prevention of Damage to River Banks by Flood-waters, and the Regulation of River Channels,” by W. Seymour Wells. In the absence of Mr. Wells, who is stationed

at Mudgee, as Road Superintendent, and was unable to attend the meeting, Mr. H. E. Dickinson, Member of Council, kindly undertook to read the paper. A discussion followed, in which Messrs. Shellshear, Henson, Fischer, Dickinson, the President, and the Secretary took part.

8TH MAY, 1890.

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

The following candidate was balloted for and duly elected :—

MEMBER :

J. W. ASHCROFT.

PROPOSED MECHANICAL EXHIBITION.—The President announced that the question of holding another Scientific and Mechanical Exhibition, similar to the two former ones held by this Association, had been introduced in the Council, and after consideration, it had been resolved to submit the project to the General Meeting, in order to obtain an expression of opinion and decision by the members. Mr. Norman Selfe was of opinion that the time was premature for any movement of the kind, owing to the depressed state of trade generally, and also on account of the recent disastrous floods in the country. Mr. H. Davies moved, “that the question be deferred for consideration for a period of six months.” Mr. R. Pollock considered the time was unfavourable for the success of the project, and moved, “that the matter be again submitted and considered in twelve months’ time.” Mr. Van de Velde was in favour of dealing with the matter at once. Mr. Diamond seconded Mr. Davies’ motion; and Mr. W. D. Cruickshank, after referring to the former Exhibitions, which he explained had been held with a view to strengthening the Society’s financial position, seconded Mr. Pollock’s motion. The amendment, “that the question be submitted and considered in twelve months’ time,” was put to the meeting and carried. The original motion by the Council was then put and negatived.

PAPER.—Mr. C. Van de Velde read a paper on “The Van Rysselberghes’ Hydro-dynamo System of Electric Lighting.” The discussion was opened by Mr. G. Fischer, and followed by Messrs. Norman Selfe, Fitzmaurice, and Shellshear. The hour being late, Mr. H. E. Dickinson moved, seconded by Mr. Selfe, the adjournment until the following Thursday, which was agreed to.

15TH MAY, 1890.

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

DISCUSSION ON MR. VAN DE VELDE’S PAPER.—The President called on Mr. H. E. Dickinson, the mover of the adjournment, to open the discussion, which was continued by Messrs. Cruickshank, Ashcroft, Fitzmaurice, Tournay-Hinde, and the President; also, by two visitors, Messrs. Webb and Callender. At the close of the discussion, Mr. Van de Velde replied to the various points raised, and stated that he hoped on a future occasion to bring the matter again before the Association, when he would be able to exhibit the apparatus.

12TH JUNE, 1890.

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

THE following Candidates were balloted for and duly elected:—

MEMBERS :

C. S. CANDSELL.

J. PICKERING.

L. BENNETT.

W. H. SPEECHLEY.

EXCURSION TO THE RYDE AND CHATSWOOD RESERVOIRS.—The President announced that an excursion was to take place on the following Saturday, the 14th instant, to view the Reservoirs in connection with the North Sydney Water Supply Works, and expressed a hope that there would be a good attendance.

PAPER.—Mr. G. Fischer read a paper on "Electric Traction." At its conclusion Mr. Callender, a visitor, exhibited specimens of the Callender type of bitumen insulated electric cables, and explained their advantages and mode of manufacture. The hour being late, Mr. H. E. Dickinson moved, seconded by Mr. J. Fitzmaurice, the adjournment of the discussion for a fortnight, which, on being put to the meeting, was carried.

10TH JULY, 1890.

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

The following candidates were balloted for and duly elected :—

MEMBERS :

R. J. THORPE.

T. W. SEAVER.

E. S. NIXON.

STUDENT :

C. W. J. WILLIAMSON.

DISCUSSION ON MR. G. FISCHER'S PAPER.—The President stated that a number of views of electric motors, cars, &c., were to be shown on the screen by the aid of the lantern, illustrative of some of the remarks of the speakers. These views were then shown and described by Messrs. Fischer, Dickinson and Fitzmaurice. The President then called upon Mr. Dickinson, the mover of the adjournment, to continue the discussion in which also the following gentlemen took part :—Messrs. Fitzmaurice, Cruickshank, Nixon, Howe and Shellshear Members; and Messrs. Kingsbury and Ballou, visitors. The hour being late, Mr. Shellshear moved, seconded by Mr. Henson, that the discussion be further adjourned until the 17th instant.

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

17TH JULY, 1890.

SPECIAL MEETING.

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

ADJOURNED DISCUSSION ON MR. FISCHER'S PAPER ON "ELECTRIC TRACTION."—The President invited members to continue the discussion; but there being no response, he made a few brief remarks on the subject, and then called on Mr. Fischer to reply to the various criticisms on his paper, after which the subject was declared closed.

Paper on "Sanitary Engineering and the Public Health," by Mr. J. M. Smail. At the close of the reading of the paper, the hour being late, Mr. Trevor Jones in suitable terms proposed a vote of thanks to the author, and also moved that the discussion be adjourned until the next meeting. Messrs. Dickinson and Henson seconded the motions respectively, which were then carried. Mr. Smail, in acknowledging the vote of thanks, stated that, with the approval of the Water and Sewerage Board, he would have much pleasure in showing any of the members models of the various sanitary appliances now in use.

The meeting then terminated.

14TH AUGUST, 1890.

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

PATENT FIRE ESCAPE.—The President called attention to a New Fire Escape, invented by Mr. Paddle, which that gentleman had brought to the rooms to exhibit, and invited the members to examine it at the close of the meeting.

DISCUSSION ON MR. SMAIL'S PAPER ON "SANITARY ENGINEERING AND THE PUBLIC HEALTH."—The President called on Mr. Trevor Jones, the mover of the adjournment, to open the discussion in which the following gentlemen also took part: Messrs. Henson, Cracknell, and Haycroft, members, and Mr. Foxall, a visitor.

Mr. Smail having replied to the remarks on his paper, then described some models illustrating the working of the system adopted in connection with the house-drainage to the main sewers, and now being enforced by the Water and Sewerage Board. The President thanked Mr. Smail for his explanation of the models.

LAUNCH OF 600-TON BARGE.—The President announced that a 600-ton Hopper Barge was to be launched by the Atlas Engineering Co., at 8 o'clock on Saturday, and that Mr. J. R. Thompson, the manager, had invited any members interested to be present.

PAPER ON "DELTA METAL," BY MR. WALTER REEKS.—At the close of the reading of the paper, Messrs. Cruickshank, Hargraves, and Houghton, made some brief remarks on the metal, and after a vote of thanks had been accorded the author, the proceedings terminated.

11TH SEPTEMBER, 1890.

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

DONATION.—The President announced having received a large-framed photograph from Mr. Lawrence Hargrave of that gentleman's last improved flying-machine, and that the Council had thanked the donor for his gift.

APPOINTMENT OF AUDITORS.—On the motion of Mr. R. Scott, seconded by Mr. Thorpe, Messrs. J. R. Haycroft and J. Elder were appointed Auditors for the year.

PAPER "ON THE DANGERS ARISING FROM THE USE OF CLAY IN DAMS, EMBANKMENTS, &c.," BY MR. ANGUS MACKAY.—The discussion was opened by Mr. Shellshear, who was followed by Messrs. Henson, Seaver, Haycroft, Poole, Salmond, and Dr. Storer. Mr. Mackay having replied to the various comments on his paper, was accorded a vote of thanks.

The meeting then terminated.