

ANNUAL REPORT

AND

BALANCE SHEET

FOR THE

YEAR ENDING SEPTEMBER 30TH, 1892.

Your Council have much pleasure in presenting to you the Twenty-Second Annual Report for the year ending September 30th, 1892, from which it will be seen that in spite of the depressed state of trade, which has necessitated a number of members resigning, the number now on the roll remains about the same as last year. During the year 13 new members, one associate member, and two students have been elected, and four students transferred to the list of members, bringing the total on the roll up to 167.

An examination of the Balance Sheet attached will show that the finances continue to remain in a sound condition, but the Council must again express their regret that but little notice has been taken of their appeal to members in the last three Annual Reports calling their attention to more regular payment of their subscriptions. This neglect on the part of members is extremely unsatisfactory to the Council, who are

using every effort to advance the interest of the Association, and, unless they meet with the financial co-operation of the members during the coming year, it will be necessary to again draw on the amount placed at fixed deposit to meet the heavy expenses which will be incurred in publishing Vol. VII of the *Proceedings*, and they trust that members will respond to this request, and thus prevent the objectionable course of having to draw on the Society's funds.

During the year three members have been written off the books in consequence of non-payment of subscriptions.

The Council desire to express their thanks to the members who contributed such a number of valuable and instructive papers upon which very interesting discussions ensued.

During the year 14 meetings, with an average attendance of 36 members, have been held, at which the following papers were read and discussed :—

At the October Meeting, paper on "Underground Electric Light Mains," by Mr. J. O. Callender.

November 12th.—Discussion on same.

November 19th— " "

March 24th.—Paper by Mr. Alfred Blechynden on "A Review of Marine Engineering during the Past Decade," read by Mr. W. D. Cruickshank.

April 21st.—Paper on "The Electric Lighting of Sydney and Suburbs," by Mr. A. W. Tournay-Hinde.

May 5th.—Discussion on same.

Discussion on Mr. A. Blechynden's paper.

May 12th.—Paper on "The Ganges Canal, Upper India," by Mr. F. A. Franklin.

Discussion on Mr. A. W. Tournay-Hinde's paper.

May 19th.—Discussion on Mr. A. W. Tournay-Hinde's paper.

June 9th.—Discussion on Mr. Franklin's paper.

Paper on "The Priestman Oil Engine," by Professor D. C. Selman.

July 14th.—Discussion on same.

Paper on "Notes on the Comparative Advancement made in Marine Engines and High Duty Pumps," by Mr. Norman Selfe.

August 11th.—Discussion on above.

August 25th.—

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Paper on "The Automatic Hydraulic Governor," by Mr. A. J. Duncan (Melbourne), read by Mr. G. Fischer.

September 8th.—Discussion on same.

Paper on "Notes on the Use of Iron and Steel in Building Construction," by Mr. J. W. Ashcroft.

September 22nd.—Discussion on same.

Proposed Exhibition.—Owing to the delay in procuring the sanction of the Sydney Council for the use of the Exhibition Building, and the short period (two months) granted, your Council, after due consideration of the above and in view of the general depression, did not deem it advisable to proceed in this matter.

Resignation of President.—With regret the Council were compelled to accept the resignation of Mr. G. Fischer, as, by reason of his departmental work, he found that he was unable to devote the necessary time to the Presidential duties. The Council appointed Mr. R. Pollock (Vice-President) to the Presidency.

Owing to their removal from Sydney, Messrs. W. Shellshear and J. B. Henson have been compelled to tender their resigna-

tion as Members of the Council, which your Council accepted with regret.

Annual Reunion.—At the September General Meeting, 1891, it was resolved to hold the Annual Gathering, and at the following Council Meeting this matter was very fully discussed, and it was ultimately decided not to hold one in consequence of the depressed state of business.

Donations.—It is with great pleasure that your Council announce the receipt of a very valuable addition to the library, viz. : volumes LXXIX. to CVI. of *The Proceedings of the Institution of Civil Engineers, London*, and desire to express their thanks to the Council of that Society for their donation. They also wish to thank Mr. R. Laidley for presenting Mr. Scott-Russell's works on *Naval Architecture* to the Association.

Your Council desire to express their thanks to the Council of the Electric Club for the kind invitations to their various meetings.

Excursions.—On November 7th, at the invitation of Mr. A. Johnston, the members were afforded an opportunity of inspecting the Long Bay Suspension Bridge, about 50 members availed themselves of it, and expressed pleasure at the design and manner in which the work was being carried out.

On November 28th, by the courtesy of His Excellency the Naval Commander-in-Chief, a very pleasant afternoon was spent examining H.M. ships "Mildura" and "Karrakatta," about 70 members attended, and were escorted through the vessels by the officers in charge, who explained the various novel features of the machinery, guns, &c. Your Council desire to express their thanks to J. P. Franki, Esq., Manager of Mort's Dock and Engineering Company, Limited, for his kindness in placing his steam launch at the disposal of members on that occasion.

On February 13th, a courteous invitation was extended to the members by J. W. Gibson, Esq., of the firm of Messrs. Gibson, Battle and Co., to inspect the pumping plant supplied and erected by them at Manly. On arrival at Manly, members were met by Mr. Gibson and driven to the pumping station at Curl Curl Creek; after examining the machinery, dam, and reservoir, general satisfaction was expressed by members at the very efficient manner in which the work had been carried out. Mr. Gundlach, of Messrs. Harper and Harper (designers of the system), kindly explained the various features of the scheme and afforded every information.

On July 7th, a series of very interesting experiments with a Priestman Oil Engine were witnessed by a large number of members at the Technical College, on the kind invitation of Professor D. C. Selman.

On July 16th, at the invitation of J. F. Carson, Esq., a large number of members visited Arncliffe to inspect the Sewerage Outfall Works being carried out by him for the Government. Members were most hospitably received, and were accompanied over the works by that gentleman and the Government Inspector. The whole of the details of the scheme being fully and clearly explained to them.

At the August General Meeting it was announced that a hearty invitation had been received from J. P. Franki, Esq., manager Mort's Dock and Engineering Company, Limited, to inspect the machinery, hull, &c., of the new pilot steamer now in course of construction for the New South Wales Government and the various other works in progress. About 120 gentlemen availed themselves of the opportunity, and were received at the works by Mr. Franki and his officers, who conducted the visitors through the various shops, and offered the necessary information. Universal satisfaction was expressed at the superior quality of the designs and workmanship of the work

in hand, and at the same time members regretted that works, having such facilities, were not able to find employment for the full compliment of men, and it was hoped that before long a general improvement in trade would arise. After having partaken of refreshments the party returned to town.

During the year, owing to the untiring energy of our Hon. Editor (Mr. H. V. Ahrbecker), Volume VI was issued, and at an early date Volume VII. will be placed in the hands of members.

The exchange of the Association's *Proceedings* has increased during the past year, and, as will be seen by the list of donations, has resulted in some valuable additions to the library, for which the Council take this opportunity of returning their thanks.

