



# ANNUAL REPORT OF COUNCIL

AND

## BALANCE SHEET

FOR THE

YEAR ENDING SEPTEMBER 30TH, 1894.

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IN presenting to you the Twenty-Fourth Annual Report for the year ending September 30th, 1894, your Council have pleasure in stating that, notwithstanding the prevailing depression, the number of resignations has not been so great as might have been anticipated—the total number now on the roll being one hundred and forty. During the year fourteen resignations were accepted, three written off by death, and nine struck off, making a total reduction of twenty-six on last year's roll. During the same period six new members and one student have been elected.

\* It is with regret that your Council have to record the deaths of three of the Association's members, viz., Messrs: Harry Hudson, Jun., James Grant, and Albert Leahy.

**BALANCE SHEET.**—An examination of the Balance Sheet will show that the finances of the Association have been heavily drawn on, by reason of the recent litigation, loss in the realization on debentures, and the general working of the Society.

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\* The memoirs of the deceased gentlemen appear in Volume VIII. of the Society's Transactions.

ARREARS.—In consequence of the repeated unsuccessful application to members for the payment of their arrears, your Council much regret to state that they were compelled to take legal action for the recovery of same, and trust that members will, in future, give punctual attention to the payment of their subscriptions, without which it is impossible for your Council to uphold, with credit, the prestige of the Association. The sum of £50 10s. 3d. has been written off the Society's books, made up as follows:—Subscriptions, £38 1s. 3d.; Entrance Fees, £2 2s.; and Re-union Arrears, £8 5s.

The Council desire to express their thanks to the various members who have contributed papers during the session.

During the year nine meetings, with an average attendance of thirty-seven members, have been held, at which the following papers were read and discussed.—

At the October 12th Meeting.—Discussion on Mr. Morse's paper on "Railway Brakes."

\* Paper by Mr. Sinclair on "Refrigeration and Ice-making Machinery," with a description of the Linde system. Illustrated.

October 26th.—Discussion on same.

March 10th.—Paper by Dr. John Storer, entitled, "Some Improvements in Treating Minerals for the Wet Extraction of Gold and Silver." Illustrated.

Paper by Mr. T. Dickinson, entitled, "Notes on Hydraulic Power Supply."

June 14th.—Discussion on Dr. Storer's paper.

Discussion on Mr. Dickinson's paper.

July 12th.—Paper by Mr. Nangle on "Bricks and Brick-making in and around Sydney."

August 9th.—Discussion on same.

Paper by Mr. Walter Reeks, on "Double-ended Screw Ferry Steamers." Illustrated.

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\* This paper was published by request in Volume VIII, of the Society's Transactions,

September 13th.—Discussion on Mr. Reeks' paper.

Discussion on Mr. Dickinson's Paper.

EXCHANGE OF PROCEEDINGS.—Your Council are pleased to notice the following valuable exchange of proceedings and additions to the Association's Library effected during the year:—

The Proceedings of "The Institution of Electrical Engineers," London."

The Proceedings of "The American Inst. of Electrical Engineers."

The Proceedings of "The American Inst. of Mining Engineers."

The Proceedings of "The Inst. of Naval Architects," England.

The Proceedings of "The Columbian Congress of Civil Engineers."

The Index to the New South Wales Patents, 1878-1893.

EXCURSIONS.—By the courtesy of the Railway Commissioners of New South Wales and Messrs. Hudson Bros., Ltd., the members of the Association were afforded an opportunity of inspecting the new cable traction plant at North Sydney, on April 14th. About seventy members were present, and, in the absence of Mr. Geo. Downe, Tramway Superintendent, were courteously received and escorted through the power house by Messrs. Windon and Henry Hudson, and after partaking of the latter gentleman's hospitality, the party returned to town, having spent a pleasant and instructive afternoon

On Saturday, April 28th, by the courtesy of the Railway Commissioners of New South Wales, an inspection was made by a large number of members, of the Eveleigh Railway Workshops. Messrs. W. Thow and Henry Howe received and escorted the members through the various departments.

On the evening of May 3rd about eighty members availed themselves of the kind invitation of Mr. Watkin Wynne, manager of "*The Daily Telegraph*" Newspaper Company, to inspect the working of the Mergenthaler Linotype Machines at the company's offices. Much interest was evinced at the high rate of speed and accuracy with which the types were set.

On the invitation of Dr. John Storer and the Parke and Lacey Company, about one hundred members inspected the working of the Storer-Lacey Filtration Plant at the Company's

Ore Crushing Works, Ultimo, on May 19th. The general opinion was that this apparatus was a decided acquisition to all gold-saving appliances where the cyanide or chlorination processes were in use.

On July 21st, by the courtesy of Mr. S. Hordern, about sixty members paid a visit to Messrs. Anthony Hordern and Son's Emporium, to inspect the Electric Lighting and Hydraulic Plants. The visitors were hospitably received by Messrs. May (manager) and Norman Selfe (consulting engineer for the work) and conducted round the various places of interest in this vast establishment.

ANNUAL VOLUME.—At the July meeting, Volume VIII. of the Association's Transactions for the year 1892-3 was published and distributed to members present. The Council again desire to tender their sincere thanks to our Hon. Editor, Mr. H. V. Ahrbecker, for his exertions and the satisfactory manner in which the volume has been completed.

As will be seen from the Balance Sheet, a considerable reduction has been made in the cost of its production; nevertheless the volume compares favourably with previous issues.

The Council desires to record a considerable increase in the list of exchanges during the past year, as will be seen by the list of donations, for which they tender their best thanks.

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