

ANNUAL REPORT OF THE ELECTRICAL SECTION FOR THE YEAR 1901.

To the Committee on Sectional Arrangements.

The Electrical Section held eight meetings during the year 1901, a number of which were fruitful of valuable papers.

The interest of the membership in the work of the Section and the general activity of the Section's affairs are noted with satisfaction. A number of the papers presented during the year have appeared in the *Journal*.

Following is a list of communications presented :

Mr. Carl Hering. "Three-Phase Electric Traction in Europe."

Dr. Joseph W. Richards. "Secondary Reaction in Electrolysis."

Mr. Charles Wirt. "Theatre Dimmers and Stage Lighting."

Mr. W. J. Hammer. "Recent European Electrical Progress."

Mr. Edwin S. Church. "Minting Machinery and Appliances."

Dr. A. E. Kennelly. "The Edison Storage Battery."

Mr. C. J. Reed. "Polarization in Batteries."

Mr. Paul M. Lincoln. "The Parallel Operation of Alternating Current Generators."

Mr. A. J. Wurts. "Development of the Nernst Lamp in America."

Subjects for discussion were communications by Messrs. Hering, Kennelly, Eglin and others on "The Electrical Arts at the Pan-American Exposition," and a paper by Mr. C. J. Reed on "Electro-Chemical Action."

The prospects of the Section for the immediate future are most satisfactory.

WILBUR M. STINE,

Chairman Executive Committee.

ANNUAL REPORT OF THE MINING AND METALLURGICAL SECTION FOR THE YEAR 1901.

To the Committee on Sectional Arrangements.

The proceedings of the Section have been duly conducted by the following officials :

President, F. Lynwood Garrison.

Vice-Presidents, Arthur Falkenau and Spencer Fullerton.

Secretary, G. H. Clamer.

Conservator, Dr. Wm. H. Wahl.

Membership.—The total membership shows increase of two over 1900.

Meetings.—The Section held nine meetings during the year.

Work of Section.—The papers presented were of unusual interest, as was also a discussion on the subject of "Moulding Machines and Foundry Practice," and a discussion pertaining to products of mining and metallurgical interest, as exhibited at the Pan-American Exposition, to each of which an evening was devoted. All communications were considered of sufficient importance to be published in the *Journal*.

Following is the list of papers presented :

Dr. John A. Mathews, } "The Constitution of Metals and Binary Alloys."

Mr. Wm. Campbell, }

Mr. Richard L. Humphrey. "The Inspection and Testing of Cements."