

tor of the United States from the State of Utah." Speech of Hon. Philander C. Knox, of Pennsylvania, in the Senate of the United States, Thursday, February 14, 1907. 19 pages, 8-vo. Washington, 1907.

U. S. Department of Agriculture. Farmers' Bulletin No. 277. The Use of Alcohol and Gasoline in Farm Engines, by Charles Edward Lucke and S. M. Woodward. 40 pages, illustrations. Washington, Government Printing Office, 1907.

University of Illinois Bulletin, vol. 4, No. 3, October 1, 1906. Chemical and biological survey of the waters of Illinois. Report for the year ending August 31, 1906, by Edward Bartow. Water Survey Series, No. 3. 30 pages, illustrations, plates, 8-vo. Urbana, University, n. d.

*Investigation of the Thermal Conductivity of Concrete and the Effect of Heat upon Its Strength and Elastic Properties*, by Ira H. Woolson.

Authorized reprint from the copyrighted proceedings of the American Society for Testing Materials, vol. 6, 1906. 25 pages, illustrations, 8-vo. Philadelphia, 1906.

*Water Powers of Peru, their Development and Possible Applications. Utilization of the colossal hydraulic power of Lake Titicaca.*  
Abstract from the "Engineering Magazine." 8 pages, 8-vo.

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## Sections.

MECHANICAL AND ENGINEERING SECTION.—Stated meeting held Thursday evening, December 19, at 8 P.M. Mr. Charles Day in the chair. Present, forty-eight members and visitors.

The chairman introduced Mr. Axel Welin, A. I. N. A., London, England, who described and illustrated with the aid of lantern pictures, a series of inventions in connection with the operation of life boats on shipboard. The subject was freely discussed and the speaker's communication was referred for publication. Adjourned

WM. H. WAHL, *Sec'y pro tem.*

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# The Franklin Institute.

(Proceedings of the annual meeting held Wednesday, January 15, 1908.)

HALL OF THE INSTITUTE,  
PHILADELPHIA, January 15, 1908.

PRESIDENT WALTON CLARK in the chair.

Present, 204 members and visitors.

The President presented the following report of the Board of Managers covering the operations of the Institute for the year 1907:

*Members of the Franklin Institute:*

The Board of Managers has briefly to report that the work of the Insti-