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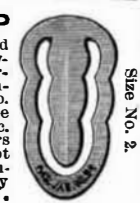
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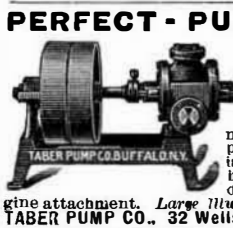


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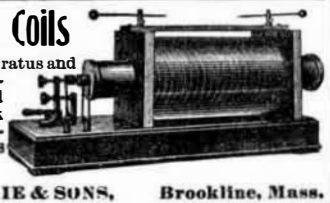


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**APPENDICITIS AND OTHER DISEASES ABOUT THE APPENDIX.** By Bayard Holmes, B.S., M.D. New York: D. Appleton & Co., 1904. 12mo.; pp. 350. Price, \$2.

The organs of the head and the thorax, from their extremely delicate nature and their inclosure within bony or membranous substances, are risky subjects for surgical manipulation. But the dozen organs of the abdomen are not so open to these objections, and may be examined and subjected to palpation with comparative ease. Dr. Holmes treats, in this volume, of surgical practice as applied to what he terms "the most mournfully interesting and unique structure in the body." There are many illustrations. Those representing the ideal manikin, with luminosities to indicate the centers of disease, are particularly good.

**BALANCE. The Fundamental Verity.** By Orlando J. Smith. New York: Houghton, Mifflin & Co., 1904. 12mo.; pp. 286. Price, \$1.25.

Mr. Smith takes the physical law, "to every action an equal reaction," and restates it in relation to the psychic realm. As every physical transformation includes exact equivalence and compensation, so, he holds, do the transactions and interactions of the ethical life carry with them recompense and retribution. Of course he admits that our present existence seldom sees justice completed; but from this very fact he argues the reality of a future existence, in order that the supreme law of equivalence may be fulfilled. Not the least noteworthy part of the work is the appendix, composed of criticisms of the author's position by prominent thinkers, together with the author's own replies.

**THE LION'S SKIN.** By the Hon. John S. Wise. New York: Doubleday, Page & Co., 1905. 12mo.; pp. 404. Price, \$1.50.

This is a historical novel of a very unusual type. Instead of being a novel with a historical setting, it is rather a history embellished with an interesting story. It describes political conditions during the Reconstruction Period. Very little authentic has been written concerning this period, but we are informed that the present work of Mr. Wise is largely autobiographical, which makes it particularly valuable as a history. Many personal experiences and observations are recounted, and a new light is thrown on the trying conditions of that time. The purpose of weaving a story into the history is evidently to make the latter

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more vivid. The historical data are thus brought to the attention of many readers who are not interested in history as such.

**MODERN THEORY OF PHYSICAL PHENOMENA.** By Augusto Righi, Professor of Physics in the University of Bologna. Translated by Augustus Trowbridge, Professor of Mathematical Physics in the University of Wisconsin. New York: The Macmillan Company, 1904. 12mo.; pp. 161. Price, \$1.10.

This book gives an elementary treatment of the electron theory as it stands to-day. Its author is a well-known Italian investigator and contributor to electrical science, and he is well qualified to discuss and explain the theory, both because of his deep insight into electrical phenomena, and of his ability to explain intricate physical processes without the aid of mathematical formulæ. The book was written with the object of interesting the greatest possible number of readers in this new and important branch of physics, and the English translation will, no doubt, aid in causing it to do this. Electrolytic Ions and Electrons; Electrons and the Phenomena of Light; Mass, Velocity, and Electric Charge of the Ions and of the Electrons; Nature of the Cathode Rays; Radio-Activity, and the Electrons and the Constitution of Matter are all discussed in a lucid manner.

**MANUFACTURING COST.** By H. L. C. Hall. Detroit: The Bookkeeper Publishing Company, Ltd., 1904. 16mo.; pp. 191. Price, \$3.

This book forms one of the volumes of the "Office Library Series." It gives full information along general lines of the manufacturing cost of different classes of goods and the various systems used in different businesses in manufacturing and marketing goods. The manager of any large business or factory will, no doubt, find many useful hints in its pages.

**LOCI IN MECHANICAL DRAWING.** By Alex. MacLay. Manchester: The Technical Publishing Company, Ltd., 1904. 8vo.; pp. 120. Price, \$1.

The present volume forms Part III. of this work, and is on Piston Acceleration. The aim of this part is to introduce the student of drawing to a class of Loci which are neither geometrical nor mechanical, according to the distinction drawn in Part I., viz., between points supposed to move under purely geometrical conditions, on the one hand, and point paths in mechanisms on the other. Curves of velocity and acceleration are here discussed and worked out in connection with

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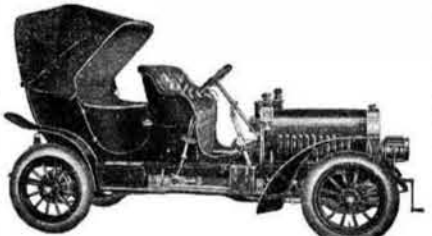
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piston motion in engine mechanisms of the slider crank order. As the problems thus arising are generally considered more suitable for advanced than elementary students, and also on account of the nature of the subject, the graphical has been made to go hand in hand with the mathematical in the present instance, thus presenting a kind of exercise of great value to drawing students. Several different methods have been shown for arriving at the same result, the work being as complete and explicit as it is possible to make it.

**THE COPPER HANDBOOK.** By Horace J. Stevens. Published by the Author at Houghton, Mich., 1904. 8vo.; pp. 778. Price, \$5.

The revised, fourth edition of this manual of the copper industry of the world will be found extremely useful to all who are in any way connected with this great mining business. The present edition is more complete than any former edition in a number of ways. The statistical tables have all been revised and brought up as near to the close of 1903 as possible. The chapter devoted to detailed descriptions of 3,311 copper mines and copper mining companies throughout the world is very complete, and all these descriptions have been brought up to date. The descriptions have been amplified, and the number of mines and mining companies is one-half greater than heretofore. Besides the descriptions mentioned, the book contains several complete chapters on the history of copper, the geology of this metal, and the chemistry, mineralogy and metallurgy relating to it. The book also has a complete index and glossary of mining terms.

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