

These drawings are from four folios of Fulton's original drawings now in the New Jersey Historical Society's possession. The work throws much light upon the nineteen years which Fulton spent in Europe, and it brings us into intimate touch with the personal life and the private character of the inventor. Judged from the standpoint of strict originality, we consider that Fulton's work in the development of submarines and submarine mining was far superior to his work in the development of the steamboat, a fact which the letters published in this book and in various magazines of the past few months abundantly substantiate. The book is a most valuable contribution to historical engineering literature.

THE PRINTING ART. Edited by Henry Lewis Johnson. Vol. XIII. March, 1909—August, 1909. Cambridge, Mass.: The University Press, 1909. 4to.; 376 pp.

The Printing Art is one of the most welcome visitors to the Editor's table, bringing as it does the very essence of good typography reproduced in concrete and useful form. There is hardly a mechanical process which is not adequately represented in the beautiful volume before us. The Printing Art has done more for American typography than anything else which this century has produced so far. Each number is filled with actual examples of properly printed illustrations and text. The latter is of the very best, and the illustrations are largely taken from work which has been actually executed and is therefore of double value. In the bound volume before us all the advertisements including the cover are bound in. This is a very wise precaution. We do not see how anyone who is binding this beautiful publication would "strip it," as a great deal of the practical value of the book is in the advertisements and inserts. There is no bad printer that this book will not improve, and there is no good printer who cannot be assisted by it. The printing art is young, and the time is not far distant when the public taste will actually demand the very highest resources of plate making and printing, and this publication will go a long way toward furnishing a clearing house for the dissemination of fairly up-to-date ideas. We cannot comment too favorably on some of the examples of job printing, particularly the programme title pages, many of which are superb. We shall preserve this volume for reference with a good deal of pleasure.

SHEET METAL WORK. By William Neubcker. Chicago: American School of Correspondence, 1909. Large 8vo.; 270 pp.; fully illustrated with diagrams. Price, \$3.

This is one of the best publications of the American Correspondence School that we have seen for some time. The author is evidently a thoroughly practical workman but from his experience as a teacher has more facility for telling what he knows than most good workmen possess. His explanation of the methods adopted especially in laying out patterns is thoroughly practical and clear. Just as much elementary descriptive geometry is included as is necessary for the understanding of the underlying principles, but no apprentice who desires to improve himself need be alarmed by that term if he knows nothing of the subject as it is given in a disguised and practical form on the lines of "reading without tears." Methods are given for the layout of every conceivable form of sheet metal from simple stove-pipe bends, joints and changes of diameter to the most ornate cornice work, and we cannot imagine a workman being confronted with a problem to which he cannot find an analogy in this book. The form of the book is homologous as to printing and binding with the School's library and contains the usual foreword with no particular reference to this volume, but the diagrams are more than usually limited to those essential and applicable to the text.

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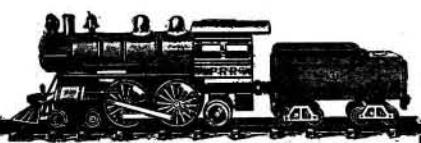
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