

## NEW BOOKS

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*Book of Standards.* National Tube Company, Pittsburgh, Pa. 559 pages, 4 in. x 6½ in. Price, \$2.

This book is strictly a pipe handbook, is printed on thin paper so that it is not quite  $\frac{5}{8}$  in. thick, and is a handy size for pocket use. Several pages are devoted to a descriptive article covering the main process of manufacturing both welded and seamless tubes. There are a number of pages which give weights, dimensions, threads per inch, test pressures, sections of joints, specifications, etc., of the various kinds of pipes and tubings. Several pages describe, illustrate and contain tables in regard to lap-weld and seamless tubes, upset and expanded, wrought pipe bends, butted and strapped joints, etc. Considerable prominence is given to strength of tubes and cylinders under internal fluid pressure and collapsing pressures. Considerable attention is devoted to the mechanical properties of solid and tubular beams, of usual and unusual shapes. Chapters are included giving information in regard to water, gas, steam and air. It has not been the intention to go very deeply into these various subjects, only in-so-far as they concern tubular products. There is a large collection of tables, such as fifth roots and fifth power, decimals of a foot for each  $\frac{1}{64}$  of an inch, etc. Several pages are devoted to area and weight factors for tubes and pipes. A table showing properties of tubes and round bars is given with an explanatory article. The Metric system is included with conversion methods for most of the more commonly used measures, including temperatures. A table of wire and sheet metal gages as adopted by the Association of American Steel Manufacturers is given. A glossary of terms used in the pipe and fittings trade will also be found.