

volumes devoted to the historical side of furniture, we have never seen any book which goes into the question of the construction of furniture so thoroughly.

ENGLISH AND AMERICAN LATHES. By Joseph G. Horner, A.M.I.M.E. London: Whittaker & Company. New York: The Macmillan Company. 1900. Quarto. Pp. 166, 300 illustrations. Price \$7.

The author states that the reason for the publication of this book is the growing importance of the American lathe trade in England, and the consequent interest with which the distinctive features of the lathes of both countries are regarded.

ONE THOUSAND OBJECTS FOR THE MICROSCOPE. With a Few Hints on Mounting. M. C. Cooke, M.A., LL.D., A.L.S. London and New York: Frederick Warne & Company. 1900. 16mo. Pp. 179, 12 plates. Price \$1.

The earlier editions of this book are well known to microscopists, and the former editions consisted only of what is now Part II. The author has now introduced an introductory section dealing with the manipulation of microscopes, mounting of objects, etc.

UP-TO-DATE DOMESTIC AND INDUSTRIAL APPLICATIONS OF ELECTRICITY. Popularly Explained. By Alpha. London: S. Rentell & Company, Limited. 1900. 16mo. Pp. 90.

F. BERGER'S FRENCH METHOD. (1900.) By François Berger. New York. 1900. Author's edition. 12mo. Pp. 190. Price 75 cents.

MÉLIE. By Jules Lemaitre. Translated by François Berger. New York. 1900. Author's edition. 12mo.

In the preface to his book, the author has in no very gentle terms attacked his foremost competitors in his particular field. His accusations may or may not be well founded; at all events, they should find no place in the preface of a text-book.

THE SEPARATE SYSTEM OF SEWERAGE. Its Theory and Construction. By Cady Staley and George S. Pierson. New York: D. Van Nostrand Company. 1900. Third edition, revised and enlarged. 8vo. Pp. 324. Price \$3.

The subject of sewerage of towns is attracting more attention than formerly. Various plans have been employed, and many of them are objectionable. The moderate cost of the separate system makes it possible to carry out a system of sewerage in many cases where the expense of the combined system would make the construction of sewers impossible.

A TEXT BOOK OF MECHANICAL DRAWING AND ELEMENTARY MACHINE DESIGN. By John S. Reid and David Reid. New York: John Wiley & Sons. 1900. 8vo. Pp. 389, 301 illustrations. Price \$3.

The volume before us is one of the best we have ever seen on mechanical drawing. The illustrations are admirable and the methods for obtaining proportions, etc., are also extremely valuable.

ENCYCLOPEDIA OF MEXICAN MINING LAW. A Digest of Mexican Mining Code. Also a Glossary of Mining Terms. By Richard E. Chism. City of Mexico. 1900. 18mo. Pp. 170. Price \$2 in United States currency.

The mining laws of Mexico are complicated, and the author has done a signal service to all those who are engaged in any way in mining, in bringing together the various laws, etc., in alphabetical form.

AMERICAN FOUNDRY PRACTICE. By Thomas D. West. New York: John Wiley & Sons. 1900. 12mo. Pp. 408. Price \$2.50.

The tenth edition of American Foundry Practice is now before us. It is an eminently practical book, and a large sale of a technical book of this kind is sufficient

guarantee of its value. The latest American practice is described. It is filled with illustrations and tables.

THE KNIGHT OF THE GRIP. New York: David Williams Company. 1900. 16mo. Pp. 179. Price 60 cents.

The book comprises a series of papers relating to the personal methods and experience of the traveling salesman, and is reprinted from The Iron Age.

TO INVENTORS.

An experience of over fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Issued for the Week Ending

OCTOBER 16, 1900,

AND EACH BEARING THAT DATE.

[See note at end of list about copies of these patents.]

Table listing inventions and their patent dates. Includes items like Abrasive material, Alarm mechanism, Alkaline salts, Almond huller, Ammunition case, Animal trap, Armature for electric supply meters, Axle, carriage, C. H. Fuller, Bag, See Ice bag, Baling press, G. H. Denny, Baling press, G. H. Denny, Bearing, cushioned, F. J. Rabboth, Bearing, lubricating, K. Keyssner, Bed warmer, W. G. Ralston, Bedstead, invalid, D. Moulton, Beer cooler, J. A. Sandell, Belt, conveyor, J. K. Proctor, Bench vice, H. Smith, Bicycle handle bar, M. J. Flynn, Bicycle pump, automatic, C. J. Dowling, Bleaching compound, H. Wachter, Blow out or fuse box, magnetic, E. M. Hewlett, Board, See Game board, Boiler, See Typewriter, Steam boiler, Boiler stand, adjustable range, W. H. Shepard, Boiler tube cleaner, R. Thompson, Bookcase, J. E. Knobel, Boring and turning machine, W. W. Hulise, Bottle attachment, J. H. Peters, Bottle washing apparatus, W. T. Miller, Box, See Cigar box, Paper box, Shipping box, Box, for paper, cardboard, etc., A. B. Cowles, Box forming machine, W. S. Stuckenberg, Brake, See Motor controlling brake, Vehicle brake, Wagon brake, Brake, M. Altmeppen, Bread cutter, S. W. Long, Broom, antiseptic, G. Kulman, Brush, fountain, J. S. Casey, Bubble blowing and whistling device, combined, W. McGiven, Buckle, J. W. Bowman, Burner, See Gas burner, Hydrocarbon burner, Stubble burner, Vapor burner, Button, collar, W. S. Yost, Cage rest, automatic, M. Horst, Cake cutter, C. J. Mathys, Calculator, L. B. Thomas, Camera, roll holding, A. O. Graf, Can, See Oil can, Roving can, Can heater, W. A. Mansel, Can opener, J. G. Brown, Canvas stretcher, A. P. Tait, Car buffer, H. F. Ball, Car construction, H. S. Bryan, Car coupling attachment, J. A. Shuping, Car fender, J. W. McKean, Car stand, expansion, E. P. Peck, Car ventilator, J. Clarke, Carbonating apparatus, F. G. Felter, Carburizer for explosive engines, H. C. Ray, Carline, H. W. Gays, Carriages, control apparatus for electric, H. F. Eaton, Cart, motor, W. A. Mansel, Cartridge loading machine alarm, C. M. Willis, Case, See Ammunition case, Bookcase, Cash register, P. Kenny, Caster, Nickel & Wainwright, Chair, See Typewriter chair, Check register, J. W. Howland, Chisel gage, C. E. Harz, Chopper, See Cotton chopper, Cigar box, cylindrical, C. Hoffritz, Cigar bunch shaper, Phillips & Lacroix, Clamp, See Dental cervical clamp, Cleaner, See Boiler tube cleaner, Clevis, H. G. Atwell, Clock, repair, J. Jensen, Clutch, F. Konley, Coffee mill, G. H. Droge, Coffin support, F. E. Messler, Coke handling apparatus, J. R. Rishberger, Coke loading machine, J. W. Seaver, Collar supporter, apparatus, E. W. Balding, Comminator, surface steam, W. Perkins, Condenser, surface steam, W. A. Schmid, Contact device, E. Thomson, Conveyor, J. O. Adams, Conveyor ropeway, A. S. Hallidie, Cooler, See Beer cooler, Copying machine, press, J. A. Jones, Corkscrew making machine, W. R. Clough, Corn sheller, J. Q. Adams, Cotton chopper, W. R. White, Cotton opener, G. Raetz, Cotton picker, pneumatic, W. H. Mevers, Coupling, See Pipe coupling, Shaft coupling, Cradle, mechanically operated, J. Cytron et al., Crane support, W. Seaver, Crate, folding, E. W. Stevens, Crate, folding, T. B. Whalen, Cream separator, C. S. Bischoff, Cultivator, disk, R. L. Hill, Cultivator, wheel, W. L. Beall, Cultivator, wheel, M. G. Graham, Curtain support, M. Goudreau, Cutter, See Bread cutter, Cake cutter, Photograph cutter, Thread cutter, Cutter head, S. J. Shimer, Cutter setting gage, Davis & Samson, Cutting or sawing, etc., machine for, W. J. Read, Cycle change speed gear, L. Stillman, Cycle, motor, L. & A. Clapelle, Cylinder lubricator, F. W. Bittman, Dental articulator, T. G. Lewis, Dental cervical clamp, C. G. Capewell, Dental rubber dam holder, J. A. W. Lundborg, Dental vulcanizer and celluloid press, Hartwig & Feltmann, Dish drainer, M. A. Osburn, Disinfecting composition, H. S. Blackmore, Door, A. D. Caywood, Door mechanism, H. Rowntree

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