

NEW BOOKS, ETC.

TEXTILE WORLD'S DIRECTORY OF THE MILL TRADE AND BUYERS OF TEXTILE FABRICS. Boston: Guild & Lord, 1897. Pp. 360. Price, paper \$2, boards \$3.

This book contains a large amount of information concerning the textile industry and collateral branches. It contains a complete directory of the textile establishments in the country. Detailed information concerning each material, the variety of goods manufactured, the capacity, etc., is given. All the materials in the town and city are grouped together according to location, and are also alphabetically arranged in another part of the book. The unique feature of the directory is the textile maps of the principal manufacturing States. The volume also contains lists of dry goods merchants, lists of manufacturing clothiers and other consumers buying from first hands, and has also a list of the builders of the machinery and supplies.

NOTES ON QUALITATIVE ANALYSIS. By W. P. Mason. Easton, Pa.: The Chemical Publishing Company. Pp. 56. Price 80 cents.

We have, in this little monogram, the course of study arranged by a professor of chemistry for his students in the Rensselaer Polytechnic Institute. It is compact, well arranged, and has some valuable tables.

SCIENTIFIC AMERICAN BUILDING EDITION

JULY, 1897.—(No. 141.)

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No. 1. Perspective elevation, in colors, and floor plans of a Colonial residence at Overbrook, Pa. A unique design. Mr. Thomas P. Lonsdale, architect, Philadelphia, Pa.

No. 2. Colonial house at Richmond Hill, N. Y., recently erected at a cost of \$4,200. Perspective view and floor plans. An attractive and pleasing design. Architects, Messrs. Haugaard Brothers, Richmond Hill, N. Y.

No. 3. A residence, in the Colonial style, recently erected at Larchmont, N. Y., for Mr. William Murray, at a cost of \$7,700 complete. Two perspective elevations and floor plans. A pleasing design, with excellent interior arrangement. Mr. Frank A. Moore, architect, New York City.

No. 4. A cottage at Prohibition Park, Staten Island, recently erected for Mr. August Mayer at a cost of \$3,250 complete. A very attractive design for a modern cottage of small dimensions. Perspective elevation and floor plans. Mr. John Winans, architect, Prohibition Park, Staten Island.

No. 5. "Wyandank," the country residence of Lieut. Morton at Southampton, Long Island. A most excellent design in the Colonial style. Two perspective elevations and floor plans. Mr. James B. Lord, architect, New York City.

No. 6. A modern dwelling at Binghamton, N. Y., recently erected for Mr. William Mannis at a cost of \$3,000 complete. A good example of a suburban house. Two perspective elevations and floor plans. Messrs. T. Q. Lacey & Son, Binghamton, N. Y., architects.

No. 7. A Colonial residence at Ardmore, Pa., recently erected for Dr. Louis O. Lunson. Perspective elevation and floor plans. Messrs. Boyd & Boyd, architects, Philadelphia, Pa.

No. 8. A Colonial residence at Bensonhurst, Long Island, recently erected for Mr. Thomas A. Ritson. Two perspective elevations and floor plans. A handsome design. Architects, Messrs. Parfitt Brothers, Brooklyn, N. Y.

No. 9. A residence at West Chester, Pa., recently erected for Dr. S. Hagerty. Perspective elevation and floor plans. A design with many excellent features. Mr. Edward S. Paxson, architect, Philadelphia.

No. 10. A residence at Attleboro, Mass., erected for E. P. Claflin, Esq., at a cost of \$5,500 complete. An artistic and pleasing design. Messrs. George F. Barber & Company, architects, Knoxville, Tenn.

No. 11. Perspective and interior view of the Walhalla of Rathenon on the Danube. A costly reproduction of the Parthenon at Athens. This temple was erected at a cost of about \$6,000,000, and is devoted entirely to the display of busts of distinguished Germans.

No. 12. Design for a "cozy corner."

No. 13. View of the library of Mr. Henry L. Hotchkiss, New Haven, Conn.

No. 14. Miscellaneous Contents: Fatalities to workmen.—Scaffolding.—Lime water in freezing weather.—How to make a cheap greenhouse.—Making floors warm.—Inexpensive country homes.—Improved sash lock, illustrated.—An improved door hanger, illustrated.—A novel wood working machine, illustrated.—Gray bricks.—Dixon's silica graphite paint.—A convenient gage for carpenters and builders, illustrated.

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Notes & Queries

HINTS TO CORRESPONDENTS.

Names and Address must accompany all letters or no attention will be paid thereto. This is for our information and not for publication. References to former articles or answers should give date of paper and page or number of question. Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that some answers require not a little research, and, though we endeavor to reply to all either by letter or in this department, each must take his turn. Buyers wishing to purchase any article not advertised in our columns will be furnished with addresses of houses manufacturing or carrying the same. Special Written Information on matters of personal rather than general interest cannot be expected without remuneration. Scientific American Supplements referred to may be had at the office. Price 10 cents each. Books referred to promptly supplied on receipt of price. Minerals sent for examination should be distinctly marked or labeled.

(7178) A. L. B. asks how to give photographs a glass finish. A. Apply the prints face down while wet to the smooth varnished side of a ferrottype plate, which should be rubbed with powdered talc, squeezing it by rolling a rubber roller over the back, having blotting paper between the print and paper. When dry it will have a high polish and drop off the sheet. The polish is called glass finish. To mount such prints without losing the gloss, make the following mounting solution: Soak 1 oz. refined gelatine in cold water for an hour, then drain off and squeeze out the water as much as possible; put the gelatine in a jelly pot and place the latter in a pan of hot water on the fire; when the gelatine has melted stir in slowly 2 1/2 oz. pure alcohol, and bottle for use. This glue will keep indefinitely, and can be melted for use in a few minutes by standing the bottle in a basin of hot water. As it contains a very small percentage of water, it hardly affects the gloss of the prints and dries almost immediately.

INDEX OF INVENTIONS For which Letters Patent of the United States were Granted JULY 13, 1897.

AND EACH BEARING THAT DATE. (See note at end of list about copies of these patents.)

Table listing various inventions such as 'Advertising apparatus, automatic', 'Air compressor', 'Arc light holder', etc., with their respective patent numbers and dates.

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Large table listing various mechanical parts and machinery such as 'Burner', 'Butter mould', 'Camera', 'Carriage', 'Cotton chopper', etc., with their respective prices.