

[OFFICIAL.]

INDEX OF INVENTIONS

FOR WHICH

Letters Patent of the United States were Granted in the Week Ending

June 15, 1880,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A printed copy of the specification and drawing of any patent in the annexed list, also of any patent issued since 1866, will be furnished from this office for one dollar. In ordering please state the number and date of the patent desired, and remit to Munn & Co., 37 Park Row, New York city. We also furnish copies of patents granted prior to 1866; but at increased cost, as the specifications not being printed, must be copied by hand.

Table of inventions including items like Hatchway guard, Hay rake, Head block, Hides, machine for ascertaining the area of, J. S. Wentworth, etc.

Table of inventions including items like Toy, whistling, J. Chaskel, Truck frame, spring, J. Roemer, Truck, piano, W. F. Beck, etc.

Table of inventions including items like Chain link, ornamental, D. A. Beam, Lamp bracket, F. R. Seidenstecker, etc.

Table of inventions including items like Boots, L. B. Mantonya, Cigars, Muhn & Brandfass, etc.

Table of inventions including items like Air engines, J. A. Woodbury et al., Colored glass windows, J. A. Farze, etc.

Table of inventions including items like Railway switch, J. S. Williams, Rivets, manufacture of, M. Bray, etc.

Table of inventions including items like Tools for mechanics, carpenters, etc., T. Tallman & McAdadden, etc.

Table of inventions including items like The construction of canvas canoes, W. P. Stephens, etc.

Table of inventions including items like Agents wanted for the enlarged pictorial edition of a fool's errand, etc.

Table of inventions including items like 14 stop organs, sub bass and oct. completer, etc.

Table of inventions including items like To business men, the value of the Scientific American as an advertising medium, etc.

Table of inventions including items like Take solid comfort, reader's cot chair, etc.

Table of inventions including items like Perfect newspaper file, the Koch patent file, etc.

Table of inventions including items like Munns & Co., publishers, 37 Park Row, New York, etc.

Table of inventions including items like Take solid comfort, reader's cot chair, etc.

Table of inventions including items like Perfect newspaper file, the Koch patent file, etc.

Table of inventions including items like Munns & Co., publishers, 37 Park Row, New York, etc.

Table of inventions including items like Take solid comfort, reader's cot chair, etc.

Table of inventions including items like Perfect newspaper file, the Koch patent file, etc.

Advertisement for Catalogues Free to Any Address, featuring gears and models.

CIVIL, MECHANICAL, AND MINING ENGINEERING at the Rochester Polytechnic Institute, Troy, N. Y.

SCIENTIFIC AMERICAN SUPPLEMENT. Any desired back number of the SCIENTIFIC AMERICAN SUPPLEMENT can be had at this office for 10 cents.

AGENTS WANTED.—SEND 50 CENTS for sample, and receive by return mail my Patent Butter Tongs for handling roll butter without soiling the hands or butter.

WANTED—A PARTNER WITH CAPITAL IN A valuable invention. Address G. D. ROBERTSON, Vienna, Dorchester Co., Md.

FOR SALE—PAT. POWER MORTISING CHISELS. Address J. D. BAXTER, Mechanicsville, N. Y.

Horse Dumping Hay and Grain Rake. The most simple, durable, and thorough working Rake on the market.

ICE-HOUSE AND REFRIGERATOR.—Directions and Dimensions for construction, with one illustration of a cold house for preserving fruit from season to season.

A FIRM OF WIRE WEAVERS AND manufacturers in Canada, finding that they can, when under full work, overstock the country with goods.

THE BOARD OF WATER COMMISSIONERS, of the City of Yonkers, invite sealed proposals for a pumping engine of 3½ million gallons capacity.

WANTED—A THOROUGHLY COMPETENT man who understands steam and pipe and machine work, to act as salesman and to estimate on work in the South.

Advertisement for Tools for Mechanics, Carpenters, Amateurs, Jewelers, etc.

THE CONSTRUCTION OF CANVAS Canoes.—By W. P. Stephens. Complete descriptions and working drawings of two handsome and durable boats.

AGENTS WANTED for the Enlarged Pictorial Edition of A Fool's Errand.

The Invisible Empire. Two Great Books in One Vol.; Brilliantly Illustrated. "A thrilling book indeed."

14 STOP ORGANS, SUB BASS and Oct. Completer, 4 Reeds, \$65. Pianos, \$125 and upwards, sent on trial.

To Business Men. The value of the SCIENTIFIC AMERICAN as an advertising medium cannot be overestimated.

TAKE SOLID COMFORT. NEVER EQUALLED for piazza, lawn, mount in, beach, or steamer.

READER'S COT CHAIR. Never equalled for piazza, lawn, mount in, beach, or steamer.

PERFECT NEWSPAPER FILE. The Koch Patent File, for preserving newspapers, magazines, and pamphlets.

MUNN & CO., Publishers, 37 Park Row, New York.

BECKER'S PATENT WASHING MACHINE IMPROVED. \$15.00 worth sold in ten months.