

Table listing various items and their prices, including Hanger, Harbor defense, Harvester, Hasp lock, Hat and cap, Hat bodies, Hay rake, Hedge fastening, Hinge, Hoist, Holder, Hook, Horseshoe, Hose carriage, Ice cutting machine, Ice machine, Ingots cast in moulds, Inhaler, Insecticide, Ivory, Jack, Jack straws, Jewelry, Kitchen utensil, Knife, Lace, Last, Lacing hook, Lamp, Lamps and dies, Lands, Last, Lifting jack, Lock, Mail chest, Malting cereals, Manure hook, Marble, Matchsticks, Matches, Meat and lard press, Mechanical movement, Medical compound, Medicinal tonic, Mill, Mitt, Mortise lock, Mowing machine, Musical instrument, Muzzle, Necktie fastener, Nuts, Opera chair, Optometer, Ore concentrator, Ore, Ozone, Packing can, Pad press, Padlock, Pall, Paper, Piano, Planter, Plover, Plock, Power, Protector, Pump, Pump piston, Pump strainer, Railway semaphore, Railway switch, Rake, Reclining chair, Refrigerating apparatus, Refrigerator, Rein hook, Ring, Rock drilling machine, Room, Safety pin, Sash fastener, Sash weights, Saw fling machine, Saw mill, Saws, Scraping machine, Scraper, Sewing machine, Sewing machine shuttle, Sewing machine trimmer, Sewing machines, Sheet metal vessel, Sheller, Shirt, Shoe, Sifter, Sled brake, Smoking pipe, Socket wrench, Soldering machine, Soldering machine, automatic, Spark extinguisher, Spike extractor, Spring, Spring for keeping pitmen off dead centers, Sprinkler, Stacks, Stalk cutter, Staple, Starch, Starch machinery, Starch washing apparatus, Starch, the refuse of, Steam engine, Steam pipe hanger, Steamer and heater, Stone, Stone composition, Stone, manufacture of artificial, Stone, hot blast, Store, petroleum cooking, Stove, Stoves, Steam discharging apparatus, Supporter, Swinging gate, Switch, Table, Tacking machine, Target, Teeth, Telegraph line, Telegraph quadruplex, Telegraph, sextuplex, Telephone line signal call, Telephone transmitter, Thrasher and separator, Thrashing machine feeder, Ticket case, Tile, Tiller, Tire, Tobacco, Toy or child's carriage, Trace fastening for single trees, Traction engine, Trap, Tree protector, Trimmer, Turn table, Turene, Umbrella, Valve, Valve, safety, Valve, slide, Vapor burner, Vat, Vehicle running gear, Vehicle seat, Vehicle seat, Vanormack, Vehicle spring, Vehicle wheel, Ventilator, Wagon, Wagon platform spring, Wash paper trimming machine, Washing machine, Water gauge for closed vessels, Wheel, Wick trimmer, Wind engine, Windmill, Window, colored glass, Wire, machine for ornamenting, Wire splicing tool, Wood, preserving, Wrench.

Table listing various items and their prices, including English Patents Issued to Americans, Cans, Covers for pamphlets, Door knobs, Electric light for railroads, Electric telegraph apparatus, Furnaces, Hooks for steam pipes, Lampwicks, Mowing machine, Mowing machine, W. F. Cochrane, Paper fasteners, Syringes, Telegraph instrument, Torpedoes, Tubes for paint, Easy Lessons in Amateur Photography, How to Make Pictures, The Photographic Amateur, SCOVILL MANUFACTURING CO., PUBLISHERS, NEW YORK CITY, SUPERIORITY PROVED THE SIMPLEST & BEST SEWING MACHINE IS THE LIGHT-RUNNING NEW HOME, Perfect in every particular. 200,000 sold yearly. NEW HOME SEWING MACHINE CO., Chicago, Ill., Orange, Mass., or Atlanta, Ga., FARM LAW, BY HON. EDMUND H. BENNETT, MINERAL WOOL, DROP FORGINGS OF IRON OR STEEL, BEECHER & PECK, NEW HAVEN CONN., CHEAP for Cash—a nearly new ten-horse Engine, WE ARE ANXIOUS TO PURCHASE A SECOND-HAND ENGINE, MONEY made with my Rubber Stamp Apparatus, AGENTS can now grasp a fortune, ON THE SPACE PROTECTED BY A Lightning Conductor, CATALOGUES FREE TO ANY ADDRESS, PATENTS, MESSRS. MUNN & CO., in connection with the publication of the SCIENTIFIC AMERICAN, Factory Sites Given!, HEADACHES AND THEIR TREATMENT, HOW TO SOFTEN HARD WATER, PATENTS, MESSRS. MUNN & CO., Solicitors of Patents, BRANCH OFFICE—Corner of F and 7th Streets, Washington, D. C.

English Patents Issued to Americans. From February 17 to February 21, 1882, inclusive. Cans, manufacture of, H. K. & F. B. Thurber & Co., New York city. Covers for pamphlets, manufacture of, E. L. Miller et al., Washington, D. C. Door knobs, attaching, B. H. Lockwood, Stamford, Conn. Electric light for railroads, E. F. Starr, Philadelphia, Pa. Electric telegraph apparatus, C. N. Talbot, N. Y. city. Furnaces, E. J. Mallett, Jr., New York city. Hooks for steam pipes, I. N. Doremus, Paterson, N. J. Lampwicks, G. Beck, Waco, Texas. Mowing machine, C. W. Levalley, St. Paul, Minn. Mowing machine, W. F. Cochrane et al., Indianapolis, Ind. Paper fasteners, I. W. Heysinger, Philadelphia, Pa. Syringes, F. Wilhoft, New York city. Telegraph instrument, W. A. Shaw, Brooklyn, N. Y. Torpedoes, apparatus for propelling, W. F. Johnston et al., New York city. Tubes for paint, etc., F. R. Grout, Chicago, Ill.

Advertisements. Inside Page, each insertion --- 75 cents a line. Back Page, each insertion --- \$1.00 a line. (About eight words to a line.) Engravings may head advertisements at the same rate per line, by measurement, as the letter press. Advertisements must be received at publication office as early as Thursday morning to appear in next issue.

Easy Lessons in Amateur Photography. How to Make Pictures. By HENRY CLAY PRICE. The Photographic Amateur. By J. TRAILL TAYLOR. SCOVILL MANUFACTURING CO., PUBLISHERS, NEW YORK CITY.

Advertisement for 'NEW HOME' sewing machine, featuring an illustration of the machine and text: 'SUPERIORITY PROVED THE SIMPLEST & BEST SEWING MACHINE IS THE LIGHT-RUNNING NEW HOME. Perfect in every particular. 200,000 sold yearly. NEW HOME SEWING MACHINE CO., Chicago, Ill., Orange, Mass., or Atlanta, Ga.'

FARM LAW. BY HON. EDMUND H. BENNETT. This paper, which was read by the author before the State Board of Agriculture of Massachusetts, full of important information regarding points of law not generally known, and with which not only farmers but every person in business should be acquainted. It tells how to buy a farm or other property, how the deed should be drawn, what constitutes farm boundaries, what a deed of a farm or property legally includes, what rights the owner has in the roadway, what the law is in regard to fences, the law as concerns the impounding of cattle, the farmer's liability for trespasses of his animals, the question of liability for and protection against dogs, the law in regard to water-rights and drainage, what constitutes trespassing on the farm or property, the law in regard to the ownership of fruit hanging over the boundary line between two properties, or over the fence, About Having Hay—what the laborer is entitled to if no bargain is made; what he forfeits by leaving before his time expires, etc.; laws on the subject. The Employer's Liability for his Men—illustrated by examples and with the legal aspects of each. About Fires—The liability of a hunter who fires a farmer's woods, the right of the farmer to burn brush on his land, the right of the neighbor to be communicated to his neighbor's premises; how far he is liable to his neighbor for damages arising from fires through lightning or spontaneous combustion; the liability of railway companies for damages arising from fires communicated by locomotives. Ways Over the Farm—Various examples of right of way, and the laws on the subject. Warnings of Seeds—The two phases of the question that are of special interest to farmers and others, and their legal aspect. By making himself thoroughly familiar with the various law points, which are carefully and fully considered in this paper, all farmers and property-owners will be prepared to save himself thousands of dollars in the way of lawyer's fees and the expense of long and vexatious litigation. Contained in SCIENTIFIC AMERICAN SUPPLEMENT, Nos. 166 and 174. Price 10 cents each. To be had at this office, and from all newsdealers.

Advertisement for 'FEED WATER PURIFIER' for steam boilers, featuring an illustration of the device and text: 'FEED WATER PURIFIER FOR STEAM BOILERS. U.S. & FOREIGN PATENTS. SPRAY WATER PURIFIER FOR STEAM BOILERS. U.S. & FOREIGN PATENTS. DISINFECTANT, CIRCULARS, APPLICABLE TO ALL KINDS OF BOILERS, HALVES, & SONS, BUREAU, N.Y.C.'

HOW TO SOFTEN HARD WATER.—Description of Dr. Clarke's simple process for softening hard waters, and at the same time purifying the water. This paper is of much value and interest. Contained in SCIENTIFIC AMERICAN SUPPLEMENT, No. 270. Price 10 cents. To be had at this office and from all newsdealers.

FACTORY SITES GIVEN! To any person or firm desiring to locate at Brewsters, N. Y. Lots are situated near junction of New York and New England, Harlem, and New York City and Northern railways; excellent location for dwellings in the vicinity. The railroad companies as well as the citizens are desirous of encouraging any enterprise which promises healthy growth. Several factory sites along the Croton River are also offered. For full particulars, address E. W. ADDIS, Chairman Village Committee.

HEADACHES AND THEIR TREATMENT. By Dr. F. A. Simmons. An interesting and valuable paper, showing the various causes, immediate and remote, that give origin to headaches. The study of conditions of system shown to have a practical bearing on treatment. Proper mode of treating the various forms of headache. Contained in SCIENTIFIC AMERICAN SUPPLEMENT, No. 258. Price 10 cents. To be had at this office and from all newsdealers.

Advertisement for 'TOOLS' including taps, dies, vises, and files, featuring an illustration of various tools and text: 'TAPS & DIES, VISES, FILES, LATHES, & STOKES. TAPERS for Mechanics, Carpenters, Amateurs, Jewellers, Model Masters, Blacksmiths, etc. Send for Catalogue, and state what kind of Tools you require. TALLMAN & McFADDEN, 607 Market St., Philadelphia, Pa.'

Advertisement for 'Silver Finish' saw blades, featuring an illustration of a saw blade and text: 'GET THE BEST AND CHEAPEST. TRADE MARK. Silver Finish. J. A. FAY & CO., Cincinnati, Ohio, U.S.A. Exclusive Agents and Importers for the United States, of the CELEBRATED PERIN BAND SAW BLADES, Warranted superior to all others in quality, finish, uniformity of temper, and general durability. One Perin Saw outwears three ordinary saws. MASTER MECHANIC WANTED, to take charge of the Machinery of a large Manufacturing Establishment near New York. Must understand steam, and have a knowledge of draughting and be handy on repairs. Address for two weeks, B. C. D., Box 773, New York.'

Advertisement for 'VARIABLE BALL ENGINE CO. ERIE PA.' featuring an illustration of an engine and text: 'CUT OFF ENGINE, 25 TO 50 % SAVED IN FUEL, SIMPLE IN DEVICE, ECONOMICAL, DURABLE MANUFACTORY.'

RATIONAL AESTHETICS and not the exaggerated, are represented in DEMOREST'S MONTHLY. THE APRIL number is a gem. Price, twenty cents; to be had of all Booksellers and Newsdealers. W. JENNINGS DEMOREST, Publisher, 17 East 14th Street, New York.

PATENTS SOLD. Joint Stock Companies formed. Stock placed for Incorporated Companies. Good investments always on hand. Highest references given. Circulars free. E. L. REECE ARDS & CO., BROKERS, 733 BROADWAY, New York.

Advertisement for 'MINERAL WOOL' featuring illustrations of various mechanical parts and text: 'MINERAL WOOL. This fireproof and indestructible material successfully prevents loss of heat by radiation, keeps frost from water pipes, deadens sound, checks spread of fire in walls, partitions, floors of dwellings. 25 cts. per cubic foot. U. S. MINERAL WOOL CO., 16 Cortlandt St., N. Y. PATENT EYE AND SPINDLE, PATENT ROLLER AND OR TIGHT BUSH, PATENT MILL, MUNSON BROTHERS, BIRMINGHAM, ENGLAND, AND ALL FINESTINGS, UTICA N.Y. U.S.A.'

DROP FORGINGS OF IRON OR STEEL. BEECHER & PECK, NEW HAVEN CONN. CHEAP for Cash—a nearly new ten-horse Engine. C. H. WARRINGTON, West Chester, Pa. WE ARE ANXIOUS TO PURCHASE A SECOND-HAND ENGINE, diameter from 12 to 22 in., stroke 24 to 36 in., and one or two Boilers, diameter 42 in., length 26 feet. Address O. ARBOUR & BRO., Post Office Box 177, Baton Rouge, La.

MONEY made with my Rubber Stamp Apparatus. E. A. BROWN, Buffalo, N. Y. AGENTS can now grasp a fortune. Address RIDGELY & CO., 10 Barclay St., N. Y.

ON THE SPACE PROTECTED BY A Lightning Conductor. An important contribution to electrical science, by Mr. W. H. Preece, in which the author shows by the aid of diagrams the amount of space that will be protected by a lightning-rod of any given dimensions. Illustrated with five figures. Contained in SCIENTIFIC AMERICAN SUPPLEMENT, No. 258. Price 10 cents. To be had at this office and from all newsdealers.

Advertisement for 'GEARS AND PARTS OF MODELS' featuring an illustration of gears and text: 'CATALOGUES FREE TO ANY ADDRESS. GEAR AND PARTS OF MODELS. GOODNOW & NIGHTMAN, BOSTON, MASS.'

PATENTS. MESSRS. MUNN & CO., in connection with the publication of the SCIENTIFIC AMERICAN, continue to examine Improvements, and to act as Solicitors of Patents for Inventors. In this line of business they have had thirty-five years' experience, and now have unequalled facilities for the preparation of Patent Drawings, Specifications, and the prosecution of Applications for Patents in the United States, Canada, and Foreign Countries. Messrs. Munn & Co. also attend to the preparation of Caveats, Copyrights for Books, Labels, Reissues, Assignments, and Reports on Infringements of Patents. All business intrusted to them is done with special care and promptness, on very reasonable terms. A pamphlet sent free of charge, on application, containing full information about Patents and how to procure them; directions concerning Labels, Copyrights, Designs, Patents, Appeals, Reissues, Infringements, Assignments, Rejected Cases, Hints on the Sale of Patents, etc. We also send, free of charge, a Synopsis of Foreign Patent Laws, showing the cost and method of securing patents in all the principal countries of the world. MUNN & CO., Solicitors of Patents, 261 Broadway, New York. BRANCH OFFICE—Corner of F and 7th Streets, Washington, D. C.