

tisement in the column specified, by parties able to supply the wants:

- Where can I obtain English steel stamps with two shears?
Who manufactures dynamite?
Who makes engines for propelling steam plows?
Where can felt cloth be obtained, suitable for rubbing crayon marks from blackboards?

OFFICIAL.

INDEX OF INVENTIONS

FOR WHICH

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

October 23, 1877,

AND EACH BEARING THAT DATE.

[Those marked (r) are reissued patents.]

A complete copy of any patent in the annexed list including both the specifications and drawings, 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.

Table listing various inventions such as Hat-pouncing machine, Hatchways door for elevator, Hay loader, Hay rake, Health lift, Hinge, Hinges, Horse detacher, Horses, Horseshoe, Hydrant, Hydrocarbon oil to buildings, Ice making, Jewelry, Keyring, Knobs to metal, Labels, Lamp chimney, Lamp globes, Lathe for clothes pins, Leather-rounding machine, Lighting device, Lightning conductor, Lightning rods, Link, Link, spring shackle, Liquids, vessel for holding, Lock bolt and seal, Mail bag crane, Matches, dipping, Mattress, Metal, machine for retooling, Milk pail stool, Miller's paint staff, Millstones, Mosquito net canopy, Motor, spring, Nail assorter, Nail plate feeder, Oil tank, Ore separators, Organ action, Organ, reed, Paper box, Paper-damping apparatus, Paper-damping machine, Paper, fixing water colors, Paper, embossing and perforating, Paper, finishing printed, Paper-perforating machine, Paper-printing surfaces, Pavement, Photographic paper, Pick eyes, Pictures upon fabrics, Pipe and bar cutter, Pipes from mortar, Plane, bench, Plane, bench, C. H. Hawley, Planting machine, Planter, corn, Planters, attachment for, Plastic materials, die for, Printing machine, Printing press, oscillating, Propelling vessels, Pruning implement, Pulp from wool, Pump, double action, Railway switch, Range, E. C. Frost, Refrigerator, Sal ammoniac, manufacture of, Sand pump, Scales for weighing, Screen, fire, Screw, wood, Seeding machine, Sewer trap, Sewing machine, Shaft hangers, bearing for, Shoe lacing fastening, Shoe tip metal, Shutter worker, Soap composition, Speed measure, Spoon, camp, Steam boiler, Steam engine, reciprocating, Steam trap, Steel, mould for casting, Switches, locking, Syringe, A. Berger, Table slide, extension, Tanning, De Cordova, Targets, glass ball for, Teeth, plate for artificial, Telegraph, printing, Thrashing machine, Time movement, transmitting, Tobacco cutter, Tobacco-making machine, plug, Toy, automatic, Track clearer, Truck for moving buildings, Trunk fixture, Valve, T. F. Rowland, Vehicle axle skein, Vehicle dash board, Vehicle seats, lazy back for, Ventilator and chimney cap, Violins, attachment for, Washing machine, G. Buchanan, Water closet hopper and seat, Water rate, Water meter, Water meter, rotary, Waterwheel, G. W. Earl, Weather strip, Wheel, endless track, Wire-barking machine, Wire rods, rolling, Wire stretcher, Wrench, pipe, Zinc-smelting furnace.

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DESIGNS PATENTED.
10,279.—CARPETS.—Arthur Martin, Paris, France.
10,280.—CARPETS.—W. A. Pardoe, Yonkers, N. Y.
10,281.—PICTURE FRAME.—Ulysses Racine, New York, N. Y.
10,282.—PENCIL CASE.—J. D. Cobb, London, England.
10,283.—HAND WHEELS FOR VALVE.—Albert H. Jarecki, Erie, Pa.
10,284.—UMBRELLA HANDLE.—F. Julius Kaldenberg, New York, N. Y.
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