

V. R. H. asks: How can I make india rubber...

A. H. asks: Is nickel plating a success...

P. G. asks if the dry heat of the Turkish...

F. A. asks: 1. How can I melt old compo...

S. B. asks how to recover diamonds from...

E. would like to know the rule for find...

H. D. asks: 1. Is an engine shop the...

S. L. F. says: Can you refer me to any...

C. C. asks how to take off window glass...

R. C. asks: Will a railway head, con...

O. S. says: I have a small sailing boat...

O. says: We had a new engine cylin...

I. asks: What is the effective power...

C. says: The joint between the cylinder...

J. H. H. says: I am using a horizontal...

T. E. C. asks: How much resistance is r...

A. W. I. says: I differ from J. E. E. in...

W. E. H. says, in reply to S. N. G., who...

A. M. asks for an explanation of the wo...

C. F. B. says: In filing hand saws, the...

Also enquiries from the following: F. J. H. Jr., R. D. L., P. A. M., M. P. J., Z. S., P. R., Y. Z., E. B., J. L. McL., P. A. S., T. P. P.

[OFFICIAL.] Index of Inventions FOR WHICH Letters Patent of the United States WERE GRANTED FOR THE WEEK ENDING July 22, 1873, AND EACH BEARING THAT DATE. [Those marked (r) are reissued Patents.]

Table listing inventions and their patent numbers, including items like Abdominal supporter, Axle and sleeve for vehicles, Bag holder, Banjo, Basket, Baskets, Beer and yeast, Belt tension apparatus, Bevel, Boiler, Boilers, Bolt heading machine, Boot soles, Boring machine, Breast cup, Bridge, Bridge, Broaching machine, Buckle, Bureau drawers, Can, Car wheel, Car window stop, Car ventilator, Carbuiter, Carpet cleaner, Carriage, Carriage seat, Cartridge, Chair, Chimney, Clasp for suspenders, Cloth finishing machines, Clothes line reel, Clothes pounder, Clothes reel, Coating metals, Compound for cleaning metals, Connecting rod, Corset, Cradle, Cradle, Cradle, Culinary apparatus, Cultivator, Cultivator, Curling iron, Doors, Dovetail machine, Drilling machine, Electrotype etching plate, Engine, Engine, Engine, Faucet attachment, Faucet, Fire escape, Fire extinguisher, Fire plug, Fires by steam, Furnace breast plate, Furnace for melting metals, Furnace for roasting ores, Furnace, gas, L. Stevens, Furnace, gas, L. Stevens, Furnace, metallurgical gas, Furnace, puddling, Furnaces, hot air flue for heating, Furniture leg, Gage, carpenters, Gage cock, Game board, Gas, manufacture of, Gas, vapor, Gate, Gearing, Grafting, Grain dryer, Griddle grater, Harrow, Harvester, corn, Harvester rake, Harvester rake, Hat pressing machinery, Hatchway, Heater, kerosene, Huge seat, Hoisting machine, Hoop, skirts, tape for, Ice cream freezer, Inhaler, Iron, restoring tinned sheet, Journal bearing, Kettle lifter, Knife, L. Eddy, Ladder, Lamp, Lantern, Lantern, Last block holder, Lathe, potters', Leather, artificial, Leather, imitation, Leather, artificial, Lock, combination, Locks, seal for, Locomotive head light, Loom picking mechanism, Lubricator, Magnesia, milk of, Medical compound, Milling machine, Music notation, Ores, treating, Packing for piston rods, Paddle wheels, feathering, Paint for roofing, Paint vessel and package, Paper file, Paper stock, fiberous.

Table listing patent numbers and names of inventors, including names like Parer, apple, W. A. C. Caks, Peasary, O. M. Muncester, Plano, G. C. Manner, Pile driver, C. H. Smith, Pinchers, shoemaker's, W. H. Hanna, Pipe, molding, A. W. A. Logen, Planing machine, metal, R. Harper, Planing machine, metal, G. C. Larned, Planter, cotton seed, J. L. Sloumb, Plow, wheel, J. C. Pearl, Port stopper fastening, J. Carver, Press, balling, W. M. Conner, Printing press, rotary, C. Montague, Printing press inking, G. W. Prouty, Propelling vessels, G. W. Dow, Pump, rotary, J. E. Gillespie, Pump or engine, rotary, W. P. Maxson, Punching washers, die for, R. Humphrey, Reel, R. Simon, Refrigerator and water cooler, H. W. B. Hervey, Roller and planter combined, O. Knudson, Ruler, parallel, G. Blunck, Ruler and blotter combined, R. M. Austin, Saccharine fermentation, J. A. Morrell, Sad iron, W. I. Hubbell, Sash cord fastener, Harris & Hewitt, Sash fastener, T. P. Cohn, Sash fastener, Cole & Davis, Sash fastener and weather strip, E. J. Sprague, Sash holder, G. W. Richardson, Sash holder, G. A. Sturges, Saw, S. Cook, Saw, J. Crookes, Saw mill, B. Berndt, Saw, scroll, J. W. Rowlingson, Sawing machine, A. T. Nichols, Sawing machine, scroll, M. Hansen, Seeding machine, G. F. Stroud, Separator, grain, O. J. Everson, Sewing machine, D. M. Smith, Sewing machine folding cover, S. J. Pusey, Sewing machine brake, D. T. Peck, Sharpening machine, S. F. Emerson, Signal, flash light, Mitchell & Mayo, Silk machine for spreading, J. Sauti, Soda water, etc., cooler for, W. Gee, Soda water apparatus, J. Matthews, Sole channeling machine, C. C. Ballou, Spinning machine roller clearer, C. B. Brown, Staves, jointing, E. & B. Holmes, Steam trap, Maxim & Hawes, Steel wire, hardening, A. Benjamin, Stove, base burning, J. Easterly, Stove, cooking, C. H. Douglas, Stove platform, Bingham & Ewing, Stove pipe drum, A. W. Foote, Strap, shawl, F. H. Willis, Stump extractor, T. Herbig, Sugar, manufacture of, J. A. Morrell, Telegraph, printing, G. M. Phelps, Thrashing machine, R. B. Martindale, Top, spinning, J. Spencer, Toy, R. G. Messenger, Truck, F. H. Abeel, Tuck marker, F. L. Tileston, Twisting machine stop mechanism, A. J. Milstead, Umbrella, C. Lusby, Valve, stop, G. W. Eddy, Vehicle wheel, C. Anderegg, Vehicle wheel, J. Q. Bryer, Vessels, camel for raising sunken, H. H. Siebe, Vest supporter, Martin & Mapes, Washing machine, J. Glines, Washing machine, H. C. Grover, Washing machine, W. R. Walton, Watch, calendar, D. J. Mozart, Watch cases, spring joint for, J. Gordon, Watch, push top for, J. C. Dueber, Water closet disinfecting, J. M. B. Baker, Water wheel, E. R. Percy, Weather strip, F. Siering, Well points, perforating drive, C. L. Travis, Windmill, C. A. Taylor, Wool of burrs, etc., cleaning, T. Crossley.

APPLICATIONS FOR EXTENSIONS. Applications have been duly filed, and are now pending for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned: 25,874.—BRONZING MACHINE.—G. H. Babcock. Oct. 8. 25,883.—GLASS COFFIN.—J. R. Cannon. Oct. 8. 25,978.—TACKLE BLOCK.—I. E. Palmer. Oct. 15. 25,984.—BIT STOCK.—N. Spoford. Oct. 15.

EXTENSIONS GRANTED. 24,963.—FLOUR PACKER.—S. Taggart. 24,915.—CASTING COPPER CYLINDERS.—F. Adams. 24,923.—ELEVATOR.—A. Betteley. 24,952.—MEAT CUTTER.—J. G. Perry.

DISCLAIMERS. 24,963.—FLOUR PACKER.—S. Taggart.

DESIGNS PATENTED. 6,776 to 6,778.—NEUBAS.—H. Boot, Philadelphia, Pa. 6,779.—HANDLE TIP.—G. W. Bunnell, West Meriden, Ct. 6,780.—HAND BELL.—E. G. Cone, East Hampton, Ct. 6,781 to 6,783.—CHAIN S.—V. Draper, N. Attleboro', Mass. 6,784.—CARPET.—J. Powell, Kidderminster, England.

TRADE MARKS REGISTERED. 1,371.—SAWS.—E. C. Atkins & Co., Indianapolis, Ind. 1,372.—SCARFS, ETC.—Brownson Bros., Chicago, Ill. 1,373.—MEDICINE.—D. Dick, New York city. 1,374.—MINERAL WATER.—C. & E. E. Dunbar, Waukesha Wis. 1,375.—STOVE POLISH.—Fletcher & Co., Lynn, Mass. 1,376.—BRANDY.—H. Imhorst, New York city. 1,377.—STEEL AND IRON.—Leng & Ogden, New York city. 1,378.—TOBACCO.—Loewenthal & Co., Chicago, Ill. 1,379.—SOAPSTONE PACKING.—Sellers Bros., Phila., Pa. 1,380.—STEEL AND IRON.—Sweet & Co., Syracuse, N. Y. 1,381.—HEATERS.—Gold Heating Co., New York city. 1,382.—STEAM GAGE.—Ulca Steam Gage Co., N. Y.

SCHEDULE OF PATENT FEES: On each caveat... \$10 On each Trade-Mark... \$25 On filing each application for a Patent (17 years)... \$15 On issuing each original Patent... \$20 On appeal to Examiners-in-Chief... \$10 On appeal to Commissioner of Patents... \$20 On application for Reissue... \$30 On application for Extension of Patent... \$50 On granting the Extension... \$50 On filing a Disclaimer... \$10 On an application for Design (3 1/2 years)... \$10 On an application for Design (7 years)... \$15 On an application for Design (14 years)... \$30