

METHOD OF SECURING CUTTERS TO ROTARY DISKS.—Jonah Newton, of New York city, has applied for an extension of the above patent. Day of hearing May 31, 1869.

WATER METER.—Henry R. Worthington, of Greensburg, N. Y., has petitioned for an extension of the above patent. Day of hearing, June 28, 1869.

MACHINE FOR PUNCHING METAL.—George Fowler, of Seymour, Conn., has petitioned for the extension of the above patent. Day of hearing, June 7, 1869.

Business and Personal.

The Charge for Insertion under this head is One Dollar a Line. If the Notices exceed Four Lines, One Dollar and a Half per line will be charged.

India-rubber articles of every description for inventors and others, furnished by W. G. Vermilye, 6 Park Place, New York.

W. Knight, M.D., of Demerara, British Guiana, wants to purchase paper-pulp machinery of the most approved construction. Address as above.

"Broughton's" Lubricators are more economical of oil, and every way better than any others in the market. Address, for circulars, H. Moore, 41 Center st., New York, Manufacturer.

A Civil and Mechanical Engineer, having had 15 years experience, desires an engagement. Address Engineer, Crooks' Hotel, Chatham st., New York.

Manufacturers of stationary and portable engines please send circulars with lowest cash prices to S. Noyse, Lock Box 18, New Orleans.

Wanted—A small second-hand iron planer, either hand or power. Address Melone & McCune, Mt. Gilead, Morrow county, Ohio.

The magnetic needle threader is sold by M. C. Munson, Washington, D. C. price 25 cents. It consists of a small horseshoe magnet, with grooves and perforations for the needle eye. An emery cushion and eyelet point also attached.

For sale—The best propelling wheel for canal boats or boats of shallow or swift waters. Address H. T. Fenton, Waterst., Cleveland, O.

200 bars 1-in. octagon tool steel, best quality, for sale.—The lot at 14 cents per lb. Sweet, Barnes & Co., Syracuse, N. Y.

Rare chance for agents. D. L. Smith, Waterbury, Conn.

The Tanite Emery Wheel.—For circulars of this superior wheel, address "Tanite Co.," Stroudsburg, Pa.

Money Plenty—To patent and introduce valuable inventions for an interest in them. National Patent Exchange, Buffalo, N. Y.

H. C. Sandusky & Co., General Agents for the sale of patents. Rights, territory, and patented articles sold on commission, 12 Mill st. opposite Postoffice, Lexington, Ky.

Peck's patent drop press. For circulars, address the sole manufacturers, Milo Peck & Co., New Haven, Ct.

Mill-stone dressing diamond machine, simple, effective, and durable. Also, Glazier's diamonds. See advertisement.

Keuffel & Esser's, 71 Nassau st., New York, the best place to get first-class drawing materials.

Agency Wanted—by a responsible party, who has good store room. Best reference. C. E. Roberts, 138 Lincoln st., Boston, Mass.

Saw Gummers, improved upsets, and other saw tools, manufactured by G. A. Prescott, Sandy Hill, N. Y. Send for a circular.

Mechanical Draftsman Wanted—A thoroughly competent man, on iron-bridge work. Bring specimens and testimonials. Salary \$3 to \$4 per day. J. H. Linville, 425 Walnut st., Philadelphia, Pa.

Gear-cutting Engine for sale. A new machine with large index table. Also, worm arrangement with full set change gear, accurately adjusted. Address Wm. M. Hawes & Co., Fall River, Mass.

One hundred horse power Corliss steam engine for sale in good order. Address W. B. Le Van, Machinist, 24th and Wood sts., Philadelphia.

Etching on saw blades—A cheap and rapid process wanted, to take the place of stamping name, etc. Must be small and neat throughout, and duplicate of each other. Woodrough & McParlin, Cincinnati, Ohio.

"Broughton's" Oilers are the best. Manufactory 41 Center st.

Inventors' and Manufacturers' Gazette—a journal of new inventions and manufactures. Profusely illustrated. March No. out. \$1 per year. Sample copies sent. Address Saltiel & Co., Postoffice box 448, or 37 Park Row, New York City.

The manufacture and introduction of sheet and cast metal small wares is made a specialty by J. H. White, Newark, N. J.

The Magic Comb will color gray hair a permanent black or brown. Sent by mail for \$1.25. Address Wm. Patton, Treasurer Magic Comb Co., Springfield, Mass.

For coppered iron castings address J. H. White, Newark, N. J.

W. J. T.—We think the patent asbestos roofing manufactured by H. W. Johns, of this city, is the best substitute for tin or slate. It is cheap and easily applied.

Tempered steel spiral springs. John Chatillon, 91 and 93 Cliff st., New York.

For solid wrought-iron beams, etc., see advertisement. Address Union Iron Mills, Pittsburgh, Pa., for lithograph, etc.

Iron.—W. D. McGowan, iron broker, 73 Water st., Pittsburgh, Pa.

Machinists, boiler makers, tanners, and workers of sheet metals read advertisement of Parker Brothers' Power Presses.

Diamond-pointed or edged tools for mining, working stone, or other hard substances. See advertisement, page 217.

Winans' boiler powder, N. Y., removes and prevents incrustations without injury or foaming; 12 years in use. Beware of imitations.

The paper that meets the eye of all the leading manufacturers throughout the United States—The Boston Bulletin. \$4 a year

Recent American and Foreign Patents.

Under this heading we shall publish weekly notes of some of the more prominent home and foreign patents.

STOVE.—John H. Roelker, Evansville, Ind.—The object of this invention is to improve the construction of cooking stoves in such a manner that when the "fire bottom" burns out and has to be thrown away, the whole of it need not be thus rendered useless, but the burnt portion can be removed and another piece, of similar construction, substituted in its place, while the hearth and other portions, not destroyed, remain undisturbed.

GIG SAW.—Isaiah B. Arthur, Sidonsburgh, Pa.—This invention has for its object a new and improved arrangement of the parts by which a gig saw is put in motion, whereby the machine is rendered easier of operation than heretofore.

DEVICE FOR CONVERTING ROTARY INTO RECIPROCATING RECTILINEAR MOTION.—Chas. F. Hadley, Chicopee, Mass.—The nature of this invention consists in the arrangement of means whereby a rotary may be converted into an even and continual reciprocating rectilinear motion, forming a substitute for the crank.

MOP HEAD.—John Fahrney, Boonsboro, Md.—The object of this invention is to provide for public use a neat, simple, and durable mop head, to which the mop can be instantaneously attached without the necessity of stooping or touching it with the hands, even though the mop, at the time, be lying on the floor or in the wash tub.

COMBINED WHIP SOCKET AND LINE HOLDER.—Joseph R. Finney, Youngstown, Ohio.—The object of this invention is to provide a neat, cheap, and convenient device which shall serve both as a whip holder and rein holder, being attached, for that purpose, to any convenient part of the carriage.

FLEXIBLE HARROW.—Charles Lane and Jesse M. Healy, Jamestown, N. Y.—This invention relates to a new harrow, which is composed of parallel bars, connected by means of jointed bolts so as to produce a flexible harrow which will adapt itself to uneven ground much better than a solid or stiff harrow, and which will be easier handled, and occupy less room, when packed away, than the ordinary harrows now in use.

TOILET MIRROR.—L. H. Rogers, Boston, Mass.—This invention relates to a new toilet mirror of that class, in which a portion can be swung out to reflect into the main mirror the reverse of the figure placed between the two, and the invention consists in a novel manner of connecting the main with the reflecting mirror, whereby the latter can be swung any desired distance from the main mirror, and turned in any desired direction, or placed above the main mirror, as may be required.

DOUBLE COOLER.—Judson Van Duzer, Otisville, N. Y.—This invention relates to a new cooler which can be used for two kinds of liquids at once, so that, for example, beer and water, or any other two kinds of liquor can, at the same time, be cooled therein. The invention consists in arranging around the main cylindrical ice and water receptacle, and within the outer shell, an annular vessel, which is to contain the second kind of liquid, so as to keep it cool and fresh.

POTATO MASHER.—William Zeiger, Elmore, Ohio.—This invention relates to a new device for mashing boiled potatoes, so that the same will be thoroughly and properly transformed into a pasty substance without any difficulty or inconvenience. The apparatus is a cylindrical shell, with a hopper-shaped upper end; a grinder is arranged within the cylinder, carrying cutters in the hopper, stationary cutters being arranged in the latter. As the cylinder is turned, the potatoes will be cut into small pieces in the upper, and ground or mashed in the lower part of the vessel, so as to be discharged through a proper spout in the desired state. The stationary cutters are made removable, so that the whole apparatus can be taken apart for cleaning purposes.

TEA-POT.—C. H. Reynolds and George Z. Clark, Croton Falls, N. Y.—The object of this invention is to provide means for removing the leaves of tea from the entrance to the spout of the teapot, and it consists in arranging a spring scraper in the inside of the pot.

LIFTING JACK.—James Dampman, Lebanon, Pa.—This invention has for its object to furnish a simple, convenient, and effective lifting jack, by means of which weights may be quickly and readily raised, and held till secured or made ready to be again lowered to their places.

TRACE CARRIER.—James H. Harris, Vermont, Ill.—This invention relates to an attachment to harnesses for holding and carrying the traces or tugs when the team is detached from the wagon or carriage, and consists in a ring, which, in connection with a plate and hooks, forms a portion of the harness fastening.

CHURN.—William M. Rumrill, Roanoke, Ind.—This invention has for its object to furnish an improved churn dasher, which shall be so constructed and arranged as to bring the butter quicker and in greater quantities than in ordinary churns, and at the same time gathering it as it is developed from the cream.

THILL SHIFTER.—S. Jennings, Patterson, N. Y.—This invention has for its object to furnish an improved means of connecting the thills to the sleigh, which shall be strong, durable, and simple in construction, and at the same time so constructed that the thills may be shifted from a side to a central draft, or the contrary, with one hand, while the horse is attached or even while he is in motion.

COTTON PRESS.—C. W. Miller, Monticello, Ark.—The object of this invention is to provide a simple, effective, and easily operated press for baling cotton and other analogous matter for which it may be found applicable.

FORMER FOR MAKING UPHOLSTERING CONE SPRINGS.—William A. Goodale, Colton, N. Y.—This invention has for its object to furnish an improved machine for forming or turning upholstering cone springs, which shall be simple in construction and effective in operation, forming the springs quickly and accurately.

BUNG CUTTER.—Benjamin and Frederick Geyler, Cincinnati, Ohio.—This invention relates to improvements in cutter heads, whereby they may be readily adjusted to cut them of any desired size, and the cutting tools may be fed up to the work with facility.

WELT KNIFE.—M. J. Ferren, Stoneham, Mass.—This invention relates to improvements in welt knives designed to provide an adjustable cutter which may be changed in its position, as may be required, and also be readily removed for sharpening or other purposes.

KNITTING MACHINE.—Wm. Franz and Wm. Pope, Christine, Ohio.—This invention relates to improvements in knitting machines, by which it is designed to provide a convenient and simple arrangement whereby a part of the needles of a rotary knitting machine may be thrown out of action to admit of narrowing and widening for forming the heels and toes of stockings, or for knitting other flat fabrics or fabrics in strips, also an improved method of forming the heels and toes of stockings.

FASTENING FOR OPEN HORSE COLLARS.—Mr. John A. Meyer, Dutch Creek, Washington Co., Iowa, has invented a simple device for strengthening, keeping in form and place, and fastening horse collars. It is a tempered steel spring encircling the collar, to be placed either inside the collar rim, or on the outside in the hames. The upper ends of the spring are formed into hooks for the reception of a strap or link when the collar is in use. The collar can thus be fastened or unfastened instantly, without the use of strap and buckle, and when the collar is removed the spring keeps it in shape, preventing the liability to break. It may be applied to collars now in use and can be made by any ordinary blacksmith. Its cost is slight, but its advantages great. Those interested may address the patentee as above.

EXTENSION TABLE.—Lambert Freeman, New York city.—This invention has for its object to furnish a simple and convenient extension table which shall be so constructed that it may be extended much or little, as may be desired, and which will be firmly supported however much it may be extended, and whether extended at one or both ends.

GATE.—E. J. Wolfgang and J. W. Kenreigh, Salem, Ohio.—This invention has for its object to furnish a simple and convenient gate, which shall be so constructed and arranged that it may be easily and readily opened and closed by those passing through, without being necessary for them to get out of the carriage.

REELS FOR HARVESTERS.—J. R. Jones, Clarksville, Iowa.—This invention relates to improvements in reels for harvesters, and consists in an arrangement whereby the beaters may be readily changed from one position to another for acting on the grain to straighten it or incline it to the right direction, when it leans in any direction tending to make it cut disadvantageously.

FLOUR SIFTER.—James Coyle, Boston, Mass.—This invention relates to improvements in flour sifting apparatus, such as are used for sifting and pulverizing the flour previous to cooking.

PRINTERS' GALLEY.—Edwin Hutchins, Hartford, Conn.—This invention relates to improvements in printers' galleys, and consists in providing a rest for the same, whereby the bottom thereof will be presented to, and maintained in the same plane with the top of the table to receive the type.

GRAIN BINDING MACHINE.—G. B. Shafer, Delta, Ohio.—This invention relates to improvements in grain-binding attachments for reaping machines, whereby it is designed to provide an attachment, the moving parts of which may be operated from the driving gear of the reaper, to bind up the bundles of grain as they are delivered to it, and discharge them when so bound.

CORN PLANTER.—Daniel P. Leach, Franklin, Ind.—This invention has for its object to furnish a simple, cheap, effective, and accurate corn planter, which shall be so constructed and arranged that it may be easily adjusted to do its work, as the circumstances of the case may require.

NEW PUBLICATIONS.

PLANCHETTE; OR THE DESPAIR OF SCIENCE. Being a full Account of Modern Spiritualism, its Phenomena, and the various Theories regarding it. With a Survey of French Spiritualism. Boston: Roberts Brothers.

This, as its title tells, is a book devoted to the peculiar manifestations of present and past times, which have been called witchcraft, second sight, inspiration, possession, spirit manifestations, etc., etc. It contains an array of facts, the most inexplicable of any that have ever presented themselves to scientific investigation, with the opinions of various writers and thinkers upon the subject.

HOW TO READ CHARACTER. A new Illustrated Hand-Book of Phrenology and Physiognomy, for Students and Examiners, with a Descriptive Chart. New York: S. R. Wells, publisher, 389 Broadway.

TREATISE ON THE POWER OF WATER AS APPLIED TO DRIVE FLOUR MILLS, AND TO GIVE MOTION TO TURBINES AND OTHER HYDROSTATIC ENGINES. By Joseph Glynn, F.R.S., Member of the Institute of Civil Engineers of London. Third edition. Revised and Enlarged with numerous Illustrations. New York: D. Van Nostrand.

This is an eminently practical and useful little book to every one that needs any information upon the subject of which it treats.

HANSBREITMANN'S PARTY. With other Ballads. By Chas. G. Leland.

A volume of these rollicking and sprightly laughter-provoking poems has been issued on heavy tinted paper, by T. B. Peterson & Brothers, Philadelphia. Price, seventy-five cents.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING MARCH 23, 1869.

Reported Officially for the Scientific American.

Table with 2 columns: Description of patent and Fee. Includes SCHEDULE OF PATENT OFFICE FEES: On each caveat, \$1; On filing each application for a Patent (seventeen years), \$15; On issuing each original Patent, \$20; On appeal to Commissioner of Patents, \$20; On application for Release, \$20; On application for Extension of Patent, \$20; On granting the Extension, \$50; On filing a Disclaimer, \$10; On an application for Design (three and a half years), \$10; On an application for Design (seven years), \$15; On an application for Design (fourteen years), \$30.

In addition to which there are some small revenue-stamp taxes. Residents of Canada and Nova Scotia pay \$500 on application.

For copy of Claim of any Patent issued within 30 years, \$1. A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from upward, but usually at the price above named.

The full Specification of any patent issued since Nov. 20, 1866, at which time the Patent Office commenced printing them, \$1.25. Official Copies of Drawings of any patent issued since 1836, we can supply at a reasonable cost, the price depending upon the amount of labor involved and the number of views.

Full information, as to price of drawings, in each case, may be had by addressing MUNN & CO., Patent Solicitors, No. 37 Park Row, New York.

- 88,002.—MANUFACTURE OF SHEET IRON.—George Atkins (assignor to George W. Westerman, Robert Fox, and Robert May), Sharon, Pa.
88,003.—MANUFACTURE OF BREECH-PLATES FOR GUNS.—Walter Baker, Hion, N. Y.
88,004.—BREWING.—Edward Beanes, Cordwalles (near Maidenhead), Great Britain.
88,005.—AUTOMATIC BOILER FEEDER.—Julius Boden, Columbia, Pa.
88,006.—ELECTRO-HEATING APPARATUS.—W. Leigh Burton, Richmond, Va. Antedated March 12, 1869.
88,007.—FIFTH-WHEEL FOR VEHICLES.—E. G. Cameron, Tiffin, Ohio.
88,008.—VALVE FOR BOTTOMS OF VESSELS.—Luther S. Chase and Zebina H. Chase, New Bedford, Mass.; said L. S. Chase assigns his right to Z. H. Chase.
88,009.—HAY RAKER AND LOADER.—Robert Chestnut (assignor to himself and George Kelley), Richmond, Ind.
88,010.—TRIPPING MECHANICAL DETENTS.—Stephen Chester, New York city, and Charles T. Chester, Englewood, N. J. Antedated March 4, 1869.
88,011.—COOKING STOVE.—Orson E. Clark, Waterford, Mich.
88,012.—PROJECTILE.—Wm. A. Cobb, Orange, Mass.
88,013.—CAR.—Henry W. Connor, Troy, N. Y.
88,014.—FLOUR SIFTER.—James Coyle, Boston, Mass.
88,015.—LIFTING JACK.—James Dampman, Lebanon, Pa.
88,016.—APPARATUS FOR BUTTER MAKING.—Frederick P. Devel, Tecumseh, Mich.
88,017.—WRENCH.—L. R. Dexter, Whitefield, N. H.
88,018.—ROAD SCRAPER.—E. L. Dorsey, Winslow, Ind.
88,019.—ROLLER FOR EXTRACTING COCKLE FROM WHEAT.—Wm. G. Douglas, Warrenton, Va.
88,020.—MOLD FOR CASTING PIPE.—Jacob Edson, Boston, Mass.
88,021.—BRIDLE BIT.—Alfred B. Ely, Newton, Mass.
88,022.—BOOK HOLDER.—Freeman Emmons, Danvers, Mass.
88,023.—STRAW CUTTER.—Samuel F. Estell, Richmond, Ind.
88,024.—WELT KNIFE.—Myron J. Ferren, Stoneham, Mass.
88,025.—CULTIVATOR PLOW.—Simeon B. Forbes, Steubenville, Ohio.
88,026.—MACKEREL LATCH.—Charles S. H. Foster, Deer Isle, Me.
88,027.—KNITTING MACHINE.—William Franz and William Pope, Crestline, Ohio.
88,028.—EXTENSION TABLE.—Lambert Freeman, New York city.
88,029.—LAST MACHINE.—Roscoe R. Frohock, Boston, Mass.
88,030.—BUNG CUTTER.—Benjamin Geyler and Frederick Geyler, Cincinnati, Ohio.
88,031.—MAKING CONE SPRINGS.—William H. Goodale, Colton, N. Y.
88,032.—FAUCET.—Daniel W. Green (assignor to William Brundage), Port Chester, N. Y.
88,033.—CIGAR AND CIGARETTE.—Thomas Griffin, Roxbury, Mass.
88,034.—CULTIVATOR.—Anthony Grohmann, South Saginaw, Mich.
88,035.—MACHINE FOR CONSTRUCTING VEGETABLE MEMBRANE.—Stuart Gwynn, New York city.