Facts for the Ladies.

I have used one of Wheeler & Wilson's Sewing Machines (No. 2,762) nearly fourteen years, making cloaks for the last eleven years, and doing all other kinds of sewing down to book muslin. It is nowin perfect order, has never had any repairs, and I have not broken a needle since I can remember. I appreciate my machine more and more every day, and would not exchange it for any machine that I know. M. Budlene. Utica, N. Y.

Recent American and Koreign Latents.

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

HORSE HAY RAKE.-James M. Colson, Morrill, Me.-This invention has for its object to furnish an improved horse hay rake which shall be simple in construction, easily operated, strong, durable, not liable to get out of order, and effective in operation.

GRASS-SEED SEPARATOR .- D. B. Dixon, Unionville, Mo.-This invention has for its object to furnish an improved device for separating and preserving the seed of timothy or Hungarian grass, when being fed to horses or

RAILROAD CAR WHEELS AND AXLES .- Frederick Sturneyk, Saint Paul ${\bf Minn.-This\ invention\ has\ for\ its\ object\ to\ improve\ the\ construction\ of\ rail-leading}$ road wheels and axles so as to almost entirely overcome the friction between the wheels and the rails when the cars are passing around a curve in the track.

PLOWS.-Robert Dickie and Hugh K. Johnston, Bunker Hill, Ill.-This in vention relates to improvements in plows, and consists in attaching the beam to the plow in a novel manner, for adjusting it horizontally, for varying the breadth of the furrow, and vertically, for varying the depth.

FERRULE FOR PAINT BRUSHES .- Wm. B. Burtnett, New York city .- This nvention relates to improvements in the metal ferrules used for confining the but ends of the bristles and the handles together, and it consists in an improved ferrule, made of sheet metal, by stamping up in dies.

COMBINED SHAFT'S AND POLE .- John G. Burchfield and S. W. Brock, Ni antic, Ill.-This invention relates to improvements in buggies and other light wagons, and consists in an arrangement of shafts so that they may be used as a pole, also, by slightly shifting them, thereby saving the expense of a separate pole and the labor of detaching one and attaching the other.

MEDICAL COMPOUND .- Lewis L. Gebhart, M.D., New Providence, Ind. This invention has for its object to furnish what has been long sought for, viz: an agent that would not only be beneficial in its local action, when applied to the surface of the body, but, at the same time would be taken up by the general circulation, both of the blood vessels and the nerves.

PAINT BRUSHES.-Wm. B. Burtnett. New York city.-This invention re lates to improvements in attaching the bristles and handles together, and consists in securing a handle having a disk on the end, of the size of the upper end of the ferrule, which is larger than the end receiving the bristles, by means of a screw or pin, passing through a conical plug, $\boldsymbol{d}_{\boldsymbol{r}} iven$ in at the center of the bristies in the same way the handles are in the common construction of brushes, the said disks being also glued or cemented to the ferrules and the ends of the bristles.

TUBING CLAMP.-Wm. H. Downing, Pioneer, Pa.-This invention relates to improvements in tubing clamps or clutches, used for attaching the hoisting chains to oil-well tubing, for hoisting it out of the wells, and consists in the application to a circular hub on the top of a bifurcated block, adapt. ed to receive the tube below the enlarged coupling joint, and for attachment to the hoisting chain of a ring, with an opening, arranged to be set to coincide with the bifurcation, for the reception of the tube, and for turning of the ends to confine the tube therein,

COMBINATION SCRUB BRUSH .- E. K. Wood, De Witt, Iowa .- This inven tion relates to a new and useful improvement in a scrub brush, with which is combined a water can and rubber dryer or wiper, to the head of which the brush, water can, and dryer are attached.

SEED PLANTER.-Levi Smith, Chester Center, Mass.-This invention re ates to important improvements in machines for planting seeds, more especially designed for planting corn, but applicable to other kind of seeds.

HAND CORN PLANTER.-Hugh Dyer, Fort Scott, Karsas.-This invention has for its object to furnish an improved hand corn planter, simple in construction, and effective, reliable, and uniform in its operation.

MACHINE FOR MAKING TILES, AND ALSO MOLDS FOR THE SAME.—Joseph Christen, New Orleans, La.—This invention relates to a new and useful im provement in a machine for forming tiles for roofs and floors, and for orna mental work for building and other purposes, from clay, cement, or plaster of Paris.

Scales.-George W. Dickinson, Charleston, Ill.-This invention has for its object to furnish a simple, convenient, accurate, and reliable scale, for weighing light or heavy articles.

ROTARY PUMP.-George W. Heald and L. D. Sisco, Baldwinsville, N. Y .-This invention relates to a new and useful improvement in rotary pumps, whereby they are made more useful and more durable than they have hitherto been, and consists mainly in connecting a lifting or suction pump thereto, for priming or filling the same.

COTTON PICKERS .- D. M. McRae, Webberville, Texas .- This invention relates to improvements in machinery for picking cottonfrom the plants, and consists in a set of saws mounted on a truck, and geared with the driving wheels, to run in the tops of the plants (the lateral parts of which are brought within the range of the saws by gatherers in front) and de. tach the cotton, and convey it to a brushing roller above, which detaches the cotton from the savvs, and delivers it into a receptacle behind

INDELIBLE WRITING FLUID.-Charles Hebel, Louisville, Ky.-This invention relates to a new and useful improvement in an indelible writing fluid, or ink, designed more especially for use in banks and for filling up notes, checks, bonds, etc.

SHEET METAL CANS .- Franz Albaum, Greenpoint, N. Y .- This invention relates to a new manner of securing the tops and bottoms in sheet metal cans, with the object of supporting the same firmly, and permitting their rapid application

Cooking Steve.-John M. Goodfellow, Troy, N. Y.-This invention con sists in providing, in the upper part of the fire-box of a cooking stove, a bridge extending lengthwise of the box, which bridge forms the front side of an air chamber lying horizontally over the oven, and is perforated with a number of holes made for the purpose of letting out jets of heated air from the said chamber directly upon the smoke and gases rising from the firebox, so that the same may be more thoroughly consumed; the fire-box being also provided with perforated doors so as to let in air in jets for a similar purpose. The invention also consists in the attachment to the stove of a hot water-tank combined with heating chambers; also in providing flue strips for conducting air into the central parts of air chamber

COMBINED GANG PLOW AND CULTIVATOR .- Sterling C. Thornton, Macomb, Texas.-This invention consists of sundry improvements in a machine that may serve the purpose either of a gang plow, or, the position of two of the plows having been changed, of a cultivator, said improvements tending to reduce resistance and strain, experienced by the draft animals in drawing the plows through the earth, to their minimum, and to increase the general efficiency of the apparatus.

Time Leck.—Lewis A. Haines, Wakefield, Md.—This invention consists in the combination of a lock with a clockwork in such a manner that the lockbolt may be withdrawn from the keeper at any hour to which the clockwork may be set and not a moment sooner, the lock mechanism being also constructed with peculiar safeguards against burglary.

METALLIC SEAL .- Alexander B. Small. New Orleans, La-This invention is an improvement on "Mears and Houlton's "Seal for Railroad Freight Cars, etc." patented July 14, 1867, and consisting of a soft metal disk, and a wire that is first passed through staples attached to the door and doorframe of the car, after which, either the ends of the wire are bent, and then inserted in holes extending partly through the soft metal disk, or the branches of the wire are passed entirely through the disk, after which, in either case, the disk is struck with a proper die and compressed upon the wires with force enough to hold them firmly.

BUCKET FOR THE PROPELLING WHEELS OF VESSELS .- A. C. Loud, San Francisco, Cal.-There are certain well-known obstacles which prevent the perfect working of the paddle-wheels and screws, as commonly constructed, of steam vessels. One of these is the lifting of water by the buckets or blades as they emerge, the fluid thus lifted not only retarding the wheel, but also hanging as a dead weight on the vessel and making friction as it is dragged over the surface of the body of water in which the vessel is sailing. Moreover, the striking of the ordinary paddles against the water produces jars, which extend over, and injure the ship, besides annoying the passengers. These obstacles it is the object of this invention to overcome. To this end the inventions consists in buckets or blades constructed of parallel bars, with spaces between them, or of perforated plates, or of bars formed into lattice-work, or in any other manner in which a bucket or blade may be produced which shall present a series of openings through which water may pass, alternating with a series of surfaces against which water may react.

GAGE FOR CUTTING BIAS PIECES .- Samuel T. Taylor, New York city .-This invention consists in the combination of a straight wand with sliding cross-pieces placed at right angles to the wand, in sockets at the ends of the same, and with a cord which connects those extremities of the crosspieces that are on the same side of the wand, by which arrangement the cord may be set at any desired angle with the wand, on moving the crosspieces to the requisite extent.

HAY RAKER AND LOADER.-Gilbert G. Park, Xenia, Nebraska.-This in-Vention has for its object to provide an apparatus for raking and loading hay in such manner that the hay will not be disturbed while on the said apparatus by wind or other obstacles.

GIN FOR LINTING COTTON.-George W. Payne, Memphis, Tenn.-This in $wention \ relates \ to \ a \ new \ arrangement \ of \ machinery \ for \ removing \ the \ short$ lint from cotton seed that has already been ginned, and also for ginning cotton seed as it comes from the field.

Coupling for Heating Cars by Steam.—Samuel A. Appold, Baltimore, ${\tt Md.-}{\tt This}$ invention has for its object to connect the steam heating system of pipes of one car with the steam heating system of pipes of another car, by a universally-jointed and expansible coupling placed beneath the bump ers, and so constructed that it may accommodate itself to the curves and irregularities of railways, and to the inequalities in speed which produce variations in the intervals between the cars of a moving train.

BOAT-DETACHING TACKLE BLOCK .- N. M. Ray, Surrey, Maine .- This inven tion relates to a new and useful improvement in the mode of detaching boats from vessels, and consists in a tackle block provided with a pivot hook and tripping device, by means of which the ends of a boat may be simultaneously detached from the davits by people on board the vessel.

SHOW CASE.-J. A. Holmes, Shopiere, Wis.-This invention relates to improvements in show cases, and consists in the application to them whether made round, octagonal, or of other form, and revolving or not, of reflecting mirrors arranged in angles of ninety degrees or less for repeating the reflections of the articles to be exhibited which are placed between the reflecting mirrors.

ADJUSTABLE RAILROAD CAR SEATS .- J. I. Pease, Stockbridge, Mass. This invention has for its object to furnish an improved seat for railroad cars which shall be so constructed that its back and head and foot rests may be swung or inclined into such a position that the passenger may re cline or sleep comfortably upon it.

HARNESS MOTION FOR LOOMS .- A. R. Field, Central Falls, R. 1 .- This in vention relates to improvements in harness motion for looms, and consists in a novel arrangement of differential gears for turning two sets of tappe shafts on their own axes while being carried around the shafts of drums on which they are mounted, between which drums the looms are mounted

HAY AND COTTON PRESS.-Grey Utley, Charlotte, N. C.-This invention has for its object to improve the construction of the improved hay and cotton press patented by the same inventor May 12, 1868, and numbered 77,852, so as to make it more convenient and satisfactory in use, and more effective in operation.

COMBINED HARROW AND ROLLER.-J. M. Blankenbeker, Powers' Station Ind.-This invention has for its object to furnish an improved harrow which shall be so constructed that the ground may be harrowed and rolled or harrowed, rolled, and cultivated, as may be desired, and which shall, at the same time, be simple in construction, and easily adjusted and operated

REED ORGAN PIPES.-C. W. Small, Worcester, Mass.-This invention relates to improvements in the construction and arrangement of the pipes used in melodeons, organs, and the like instruments for the purpose of soft ening the sound and increasing the volume, and it consists of a pipe made of wood or other suitable material, having the reed placed at one side near one end, and terminating at the other end in a hollow spherical en largement, with a mouth in one side to emit the sound.

TRACTION ENGINE .- M. P. Hall, Hinsdale, N. Y.-This invention has for its object to furnish a simple and convenient engine to take the place of animal power for various farm purposes, for towing canal boats, and other uses, where the continuous, untiring exertion of power is required, and which will apply the power in the most natural and direct manner.

CHUCKS FOR CUTTING SCREWS ON GAS PIPES OR TUBES .- W. T. Cole, New York city.—This invention relates to a new and useful improvement in chucks for holding gaspipe and other tubing whilescrew threads are being cut thereon, and for other purposes, the mechanism being such that the pipe or article is released as soon as the thread is cut without stonning the machine or lathe, and also such that the driving power is used for fastening

Inventions Patented in England by Americans.

[Compiled from the "Journal of the Commissioners of Patents."] PROVISIONAL PROTECTION FOR SIX MONTHS.

2.092.—PRODUCTION OF IRON AND STEEL.—. J. E. Sherman, Bucksport, Me

July 25, 1870. 2,094.-Washine Machine.-H. Greaves, Newark, N. J. July 25, 1870.

2,100.-VEGETABLE PARCHMENT OR PARCHMENT PAPER.-C. Campbell Buffalo, N. Y. July 26, 1870.

2,102.—MANUFACTURE OF RAILWAY WHEELS ALSO IN THE MOLDS AND HE CONVERTING FURNACES TO BE USED IN THE MANUFACTURE OF RAILWAY WHEELS.—J.S. TARIF, FAIRIAVEN, N.Y. JULY 26, 1870.

2,112.—HEATING WATER FOR STEAM BOILERS.—C. L. Hutson, Commerce Mo. July 27, 1870. 2,115.—INKING APPARATUS FOR PRINTING PRESSES.—I. L. G. Rice, Cambridge, Mass. July 28, 1870.

2,124.—Device for Guiding Covered Wire to be Secured upon a Fabric or Substance in a Sewing Machine.—W. T. Cook, New York city. July 25, 1870.

2,153.— Lubricating Packing for Railway Carriage Journals.—W H. Jewell, New York city. Aug. 2, 1870. 2.159.—PRESERVING WOOD FROM DECAY.—A. B. Tripler, New Orleans, La August 2, 1870.

Caveats are desirable if an inventor is not fully prepared to apply for a patent. A Caveat affords protection for one year against the issue of a patent to another for the same invention. Patent Office fee on tiling a Caveat, \$10. Agency charge for preparing and fourth the documents from \$10 to \$12. Address MUNN & CO., \$7 Lark Row, New York.

Inventions Examined at the Patent Office .--- Inventors can have a careful search made at the Patc nt Office into the novelty of their inver tions, and receive a report in writing as to the probable success of the application. Send sketch and description by mail, inclosing fee of \$5 Address MUNN & CO. 37 Park Row New York.

Official List of Latents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING August 23, 1870.

Reported Officially for the Scientific American

SCHEDULE OF PATENT OFFICE FEES	
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f Canada and Nova Scotia pay \$500 on application.	

For copy of Claim of any Fatent issued whan so years.

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The full Specification of any patent issued since Nov. 20, 1866, at which time and Fatent Office commenced wirning them.

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Official Copies of Drawingsof any patent issued since 1886, we can auxily at a reasonable cost, the price appending 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 assisting Patent Solicitors. No. 32 Park Row. Panisonal St. 1885.

106,531.—Knitting Machine.—W. H. Abel, Bennington

Vt., assignor to himself and J. E. Crane, Lowell, Mass. 106,532.—COAL SIFTER.—Sanford Adams, Boston, Mass. 106,533.—SHEET METAL CAN.—Franz Albaum, Greenpoint

106,534.—MACHINE FOR RULING SLATES.—Franklin Ames,

North Bridgwater, Mass.

106,535.—HARVESTER.—V. S. Barber (assignor to Nixon & Co.). Alliance, Ohio.

106.536.—MACHINE FOR SAND PAPERING MOLDINGS.—Joseph Barker (assignor to himself and Philip Myers), Chicago, Ill. 106,537.—MOTIVE POWER.—Charles Batcheller, Polk county

106,538.—Pruning Shears.—George Bergner, Washington

106.539.—Combined Harrow and Roller.—J. M Blanken

106,540.—COMBINED HARROW AND ROLLER.—5. M. Diament beker, Powers' Station, Ind.
106,540.—METHOD OF PUTTING FACE-DRESS ON MILLSTONES.

J. S. Braley. J. A. Schmitt, and P. L. Schmitt, Utica, Mo.
106,541.—SCYTHE.—H. C. Brown, Barkhamsted, Conn.
106,542.—COMBINATION OF SHAFTS AND POLE.—J. G. Burchfield and S. W. Brock, Niantic, Ill., assignors to S. W. Brock.
106,543.—LET-OFF MECHANISM FOR LOOMS.—M. C. Burleigh, Somersworth. N. H.

Somersworth, N. H. 106,544.—PAINT BRUSH.—W. B. Burtnett, New York city. 106,545.—FERRULE FOR PAINT BRUSHES.—W. B. Burtnett, New York city. 106,546.—SEEDING MACHINE.—Alphonso Button, Dunkirk,

N.Y.

106,547.—DEVICE FOR PROPELLING CANAL-BOATS.—J. B. Calnan, New Haven, Conn., assignor to himself and V.P. Parkhurst, Tentyleter, Mass.

106,548.—WHEEL PLOW.—H. C. Carr, Bordentown, N. J.

106,549.—HYPCH HOOK.—G. W. Chandler (assignor to himself and Calvin Searle), Mason, N. H.

106,550.—TILE MACHINE.—Joseph Christen, New Orleans La.

106,551.—Chuck for Holding Pipes and Tubes while

Being Screw-Theradeb.—W. T. Cole, New York city.
106,552.—DISH STAND.—W. F. Collier, Worcester, Mass.
106,553.—ROASTING FURNACES FOR ORES.—John Collom

Empire City, Colorado Territory. Antedated August 15, 1870. 106,554.—Horse Hay Rake.—J. M. Colson, Morrill, Maine. 106,555.—AUTOMATIC BUGGY BRAKE.—L. T. Conant, New

Lisbon, Ohio.

106,556.—PLOW.—W. G. Coombs, New Gloucester, Maine.

106,557.—BOTTLE STOPPER.—J. T. Cree, Worcester, Mass.

106,558.—VENTILATING WINDOW FOR RAILROAD CARS.—

Samuel Darling, Providence, R. I.

106,559.—PLOW.—Robert Dickie and H. K. Johnston, Bunker

Hill, Ill. 106,560.—Weighing Scales.—G. W. Dickinson, Charleston,

106,561.—Machine for Manufacturing Watch Cases.— T. B. Dill, Boston, Mass.
106,562.—Grass-Seed Separator for Mangers.—D. B.

Dixon, Unionville, Mo. 106,563.—Tubing Clamp.—W. H. Downing, Pioneer, Pa.

106,564.—EARTH CLOSET.—J. A. Drake (assignor to himself and M. E. B. Clark), New Orleans, La.
106,565.—EARTH CLOSET.—J. A. Drake (assignor to himself and M. E. B. Clark), New Orleans, La.
106,566.—EARTH CLOSET.—J. A. Drake (assignor to himself and M. E. B. Clark), New Orleans, La.
106,566.—EARTH CLOSET.—J. A. Drake (assignor to himself and M. E. B. Clark), New Orleans, La.
106,567.—SPINDLE BOLSTER.—W. F. Draper, Hopedale,

106,568.—HAND CORN PLANTER.—Hugh Dyer, Fort Scott, Kansas. 106,569.—Manufacture of Inflammable Gases for Fuel, 100,009.—MANUFAUTURE OF INFLAMMABLE MASES FOR E ETC.-William Elmer, New York city. Antequated August 12, 1870. 106,570.—TRUSS.—T. M. Fell, Glastonbury, Conn.

106.571.—Harness-Operating Mechanism for Looms.—A. R. Field, Central Falls, R. I. 106,572.—COFFEE-POT.—William Funk and G. W. Port, Warrensburg, Mo. 106,573.—MEDICAL COMPOUND.—L. L. Gebhart, Providence

Ind. 105,574.—Vapor Burner.—Ernest Gillert, St. Louis, Mo.

106,575.—CHUIN DASHER.—Briest Officer, St. Louis, Mo. 106,576.—CHUIN DASHER.—W. H. H. Gorham and B. H. Williams, Greenwich, Ohlo. 106,576.—WASHING MACHINE.—Allen Greeg (assignor to himself and Perry Gregg), Springborough, Ohlo. 106,577.—TRACTION ENGINE.—M. P. Hall, Hinsdale, N. Y. 106,578.—HEAD BLOCK FOR SAW MILLS.—J. W. Handshy, Tangsylle Ohlo.

Tanesville, Ohio. 106,579.—WHEEL CULTIVATOR.—E. D. Hatch, Oconomowoc Wis. 106,580.—Guard for Roofs.—S. R. Hathorn, Worcester

Mass. 106,581.—ROTARY PUMP.—G. W. Heald and L. D. Sisco Baldwinsville, N. Y. 106,582.—Ink or Writing Fluid.—Charles Hebel, Louis ville, Ky.
106,583.—Potato Digger.—Leonard Henderson, Manson,

N.C. 106,584.—Dressing and Tanning Skins.—H. A. Hibbard,

Augusta, Mich. Antedated August 11, 1870.

106,585.—Coating Metal Arricles with India-Rubber.

-Constantine Hingher, New Brunswick, N. J.

106,586.—Show Case.—J. A. Holmes, Shopiere, Wis.

106,587.—Atomizing Tube.—T. J. Holmes, Malden, Mass.

106,588.—Liquid Measure and Funnel.—Joseph Huff, 106,589.—Machine for Repairing Boiler Flues.—John Hughes, Bloomington, Ill.
106,590.—FURNITURE FASTENING.—L. A. Johnsen, Candor

106,591.—Last.—Nathaniel Jones, Syracuse, N. Y.

106,592.—Screw Cutting Machine.—Edward Kaylor, Pitts-

106.593.—Earth Closet.—Christian Kieffer and J. R. D Seeds, Wilmington, Del. 106,594.—Grain Drill.—S.L. King and Wm. Ogden, Owego 106,595.—STAY FOR CARRIAGE.—George G. Larkin, Portland, 106,596.—Pen Holder.—Robert B. Lawrence, Wheeling, W

106,597.—SIEVE.—R. J. Mann, Dallas City, Ill.

106,598.—LOW-WATER AND HIGH-PRESSURE ALARM.—G. B. Massey (assignor to Massey Low-Water Detector Company), New York 105,599.—Churn.—Riley T. McCormick, Greencastle Junction, 106,600.—Motive Power for Driving Street Cars.—P. E. McDonnell, Lyons, Ill. 106,601.—COTTON PICKER.—Daniel M. McRae, Webberville, 106,602.—SEEDING MACHINE.—Daniel E. McSherry, Dayton, 106,603.—MACHINE FOR BENDING VOLUTE SPRINGS.—Reuben 106,603.—MACHINE FOR BENDING VOLUTE SPRINGS.—Reuben Miller, Pittsburgh, Pa. 106,604.—HORSE HAY RAKE.—Joseph Mills, Milan, Ind. 106,605.—FRUIT BASKET.—Richard Mitchell, Smyrna, Del. 106,606.—APPARATUS FOR THE MANUFACTURE OF NITROGLYCERIN.—George M. Mowbray, North Adams, Mass. 106,607.—APPARATUS FOR THE MANUFACTURE OF NITROGLYCERIN, NITRO-BENZOLE, ETC.—Geo. M. Mowbray, North Adams, Mass. Mass. 106,608.—Cabin Table.—Henry J. Nichols, Searsport, Me. 106,609.—Base-Burning Stove.—Benjamin Nott, Albany, 106.610.—Automatic Passenger Register for Vehicles. -Charles Ottinger, Philadelphia, Pa. 106,611.—Hay Loader.—Gilbert G. Park, Xenia, Nebraska. 106,612.—Piano.—S. W. Parker, Somerville, Mass. 106,613.—Gin for Linting Cotton.—G. W. Payne, Memphis, 106,614.—Lubricator for Loose Wheels.—S. E. Peart, McKeesport, Pa. 106,615.—RAILWAY CAR SEAT.—J. I. Pease, Stockbridge, Mass. 106,616.—Production of Colors for Dyes, Inks, etc. FROM ANILINE.—Robert Pinkney, London, England.

106,617.—MATERIAL FOR PASTE FOR BOOK BINDERS AND OTHERS.—Isaac L. Plumer, Chelsea, assignor to J. S. Chase, Harwich, 106,618.—Wagon and Buggy Brace.—Nicholas Ramseyer, Farmersville, Ill. 106,619.—BOAT-DETACHING APPARATUS.—N. M. Ray, Surrey 106,620.—PADDLE WHEEL.—James Rees, Pittsburgh. Pa. 106,621.—SPINDLE BOLSTER.—I. P. Richards, Whitinsville, assignor to George Draper & Son, Hopedale, Mass.
106,622.—GRAIN THRASHER, ETC.—Henry Ries, Norwalk, 106,623.—Wash Boiler.—Henry R. Robbins, Baltimore Md. 106,624.—Process of forming Smooth Tops on Glass JARS.—Frederick Rohrbacher and Ferdinand Hormann (assignors to S. B. Rowley), Philadelphia, Pa. 106,625.—PRESERVING WOOD.—A. J. Sheldon, Buffalo, N. Y. Antelated August 12, 1870.

106,626.—MANUFACTURE OF FERTILIZERS.—Thomas Sim, (assignor to himself and J. L. Hutchinson) Baltimore, Md.

106,627.—MACKLINEFOR DECORTICATING AND DRYING GRAIN. -Evan Skelly, Plaquemine, La. 106,628.—REED ORGAN PIPE.—Chas. W. Small, Worcester, 106,629.—VAPOR CHANDELIER.—C. E. Smith and H. J. Rice, Columbus, Onio.

106,630.—VAPOR-BURNING STREET LAMP.—C. E. Smith and H. J. Rice, Columbus, Ohio. 106,631.—SEED PLANTER. — Levi Smith, Chester Center, 106,632.—Preserving Meat.—Lewis H. Spear, Peekskill, 106,633.—FOLDING CHAIR.—Alexander W. Stewart, Boston, 106,634.—WINDOW FRAME.—Adam W. Stine, Crestline, Onio. 106,635.—Railway-Car Axle.—Frederick Sturneyk, St. Paul, Minn. 106,636.—Stack for Puddling, Boiling, and other Fur-NACES.—William Swindell, Allegheny City, Pa. 106,637.—CURTAIN FIXTURE.—Albert E. Tripp, Springfield, Ohio. 106,638.—HAY AND COTTON PRESS.—Grey Utley, Charlotte, 106,639.—LIFTING JACK.—A. M. Waters, Cuyahoga Falls, 100,059.—IJITING JACK.—A. M. Waters, Cuyanoga Faiis, assignor to himself and Henry E. Mariner, Akron, Ohio.
106,640.—Fence.—Isaiah M. West, Wilmington, Ohio.
106,641.—LOGOTYPE.—Wm. H. Wilkinson, Southwick, Mass. Antelated August 12, 1870.
106,642.—HOISTING MACHINE.—W. C. Williamson (assignor to Williamson Brothers), Philadelphia, Pa.
106,643.—COMBINATION OF OCHERS FOR PAINT.—D. S. Wood, Tiskilwa III. Tiskilwa, Ill.

106,644.—Combined Scrubbing Brush, etc.—E. K. Wood, De Witt, assignor to N. J. Eaton, Montana, Iowa.

106,645.—ADJUSTABLE FRUIT LADDER.—Samuel Wright, Hilsborough, Mo.

106,646.—TABLE.—G. E. Young, Providence, R. I., assignor to C. A. Young, and S. W. Young. Antetated August 19, 1870.

106,647.—METHOD OF PREVENTING DECAY IN THE TIMBERS OF BRIDGES, BUILDINGS, ETC.—Augustus Allen, Cass county, Mich.

106,648.—STEAM COUPLING FOR RAILROAD CARS.—S. A. Appeals Baltimore. Md. pold, Baltimore, Md. 106,649.—Manufacture of Shears.—W. B. Barnard and A. J. Barnard. Waterville, Conn. 106,650.—Stove Leg.—D. L. Bates, Dayton, Ohio. 106,651.—Wooden Pavement.—G. A. Beidler, Philadelphia, 106,652.—Jacket for Heating Pipes.—Michael Ber, New field, Pa. 106,654.—Bread Toaster.—Alanson Brown, Rochester, N.Y.
106,655.— SAW-MILL Dog.—John S. Brown, Seabrook, N. H.
106,656.—GRAIN FORK.—William W. Bryan, Schaghticoke, N.Y.
106,738.—SUSPENSION RING.—D. M. Somers, Brooklyn, N.Y.,
106,739.—RAILWAY CAR SEAT.—W. Horace Soper, Baltimore, 106.657.—HEEL BURNISHER.—Moses Burnham, 2d, Wenham, Mass. 106,658.—APPARATUS FOR GAGING OR REGULATING THE Flow of Water or other Fluids.—Edme Augustin Chameroy, Paris France. 106,659.—Extension Step Ladder.—H. D. Chance, Llewel-106,660.—Baling Press.—M. D. Cheek, Memphis, Tenn. 106,661.—PIANO.—C. F. Chew, Geoge St., Chalk Farm road, England.
106,662.—STEAM GENERATOR. — Jonathan M. Clark, New 106,745.—Culinary Apparatus. — John Van, Cincinnati, Vorkeity York city. 106,663.—FRUIT Box.—Chas. Colby and H. C. Ward, Benton Harbor, Mich. 106,664.—Mucilage Holder.—Chas. C. Converse, Brooklyn, 106,665.—HAND STAMP.—W. F. Corne, New York city. 106,666.—Bed Bottom.—A. W. Cramer, Honesdale, Pa. 106,667.—Bronzing Machine.—Samuel Crump, Brooklyn, 106,668.—Nut Lock.—David Cumming, Jr., Brooklyn, N. Y. Antedated Aug. 11, 1870. 106,669.—SLIDE VALE FOR STEAM ENGINE.—Francis Curtis, Newburyport, Mass. 106,670.—PORTABLE GATE FENCE.—John W. Curtis, Bath, N. Y. 106,671.—MACHINE FOR CUTTING HOOPS.—W. H. Davis (assignor to himself and Joseph Harlan), Lexington, Ind. 106,672.—Stop-motion for Braiding Machines.—E. W. 106,672.—STOP-MOTION FOR BRAIDING MACHINES.—E. W. Dean, Norwich, Conn.

106,673.—PUM-ROD CONNECTION FOR DEEP WELLS.—H. De Zavala, New York city. Antestated Aug. 11, 1870.

106,674.—REVOLVING ROAD SCRAPER.—E. M. Doty, J. L. Little, and P. A. Schmidler (assignors to E. M. Doty), Springfield, Ohio. Ancestated Aug. 13, 1870.

106,675.—SPINNING MACHINE. — William Duffner, Petersburg, Ind. 106,676.—MACHINE FOR VARNISHING AND DRESSING LOOM HARNESS.—E. J. Ellis, Lewiston. Me. 106,677.—HARROW.—G. M. Ellis, Huntertown, Ind.

106,678.—HUB FOR CARRIAGE WHEELS.—J. M. Emmerich, 106,679.—CARPET DUSTER. — Thomas Ferry, Wilmington Del. 106,680.—HAIR BRUSH.—S. M. Firey, Clear Spring, Md. 106,681.—UMBRELLA. — Samuel Fox, Stockbridge Works, Deepcar, near Sheffield, England. Patented in England, September 21, 1868. 106,682.—Ballot Box. — Gilbert Adolphe Frebault, Paris, 106,683.—Steam Pump. — Alexander Friedmann, Vienna 106,684.—COMBINED MOP HEAD AND WRINGER.—Wm. Gage Buffalo, N. Y.

106,685.—Wood-molding Machine.—A. S. Gear, New Haven, 106,686.—APPARATUS FOR COOLING BEER.—Wm. Gee, New 106,687.—THILL COUPLING.—W. S. Geer, Marshall, Mich. 106,688.—Cooking Stove.—J. M. Goodfellow, Troy, N. Y. 106,689.—Vapor Burner.—Benjamin D. Greene, Sturgis, 106.690.—Construction of Ditches.—Tobias K. Grube, Napoleon, Ohio.

106,691.—TIME LOCK.—L. A. Haines, Wakefield, Md.

106,692.—Parlor Organ.—E. Hamlin, Winchester, Mass., assignor to Mason & Hamlin Organ Co. 106,693.—CORN PLOW.—Henry Harrier, Indianapolis, Ind 106,694.—MACHINE FOR CUTTING BLIND SLATS.—J. W. Helder (assignor to himself and Luther Trescott), Shannon. III. 106,695.—CHURN.—F. M. Hindman and Nicholas Hiatt, Sidney, Iowa.
106,696.—Blotting Pad.—G. C. Hinman, Boston, assignor to L. L. Tower. Somerville, Mass.
106,697.—Flour Bolt.—J. H. Jones, Yellow Springs, Iowa. Antedated Aug. 12, 1870. 106,698.—BALE TIE.—W. A. Jordan, New Orleans, La., assignor to E. P. Jones. 106,699.—MANUFACTURE OF GAS FOR ILLUMINATION, ETC.— Joshua Kidd, New York city. Patented in England January 5, 1864.

106,700.—Machine for Treating Ramie and other Textile Plants.—Emile Lefranc and Joseph Nagona, New Orleans, La.

106,701.—ADDING Machine.—F. 'I. Leilich (assignor to himselfand Michael Leilich), Frederick, Md.

106,702.—POTATO PLOW.—Augustus Leonard, Newell's Run,
Ohio. Onto. 106.703.—Baling Press.—Conrad Locher, Oroville, Cal. 106,704.—BUCKET FOR PADDLE WHEELS.—A.C. Loud (assignor to himself and W. J. Miller), San Francisco, Cal.
106,705.—PRUNING SHEARS.—Enoch J. Marsters, Shaw's Flat, 106.706.—Fruit Corer.—Enoch J. Marsters, Shaw's Flat, Cal. 106.707.—STRAW CUTTER. — Albert P. Massey, Cleveland, 106.708.—Hot-Air Furnace.—John McCoy, Burlington, N. J., assignor to himself and Carbon Stove Co.
106.709.—Drain Tube.—James McMillan, Perinton, N. Y. 106,710.—MANUFACTURE OF PAPER PULP FROM WOOD.—H.
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106,711.—REDUCING AND BLEACHING PAPER STOCK.—H. B.
Meech, FortEdward, N. Y.
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Blebrid Monte, mery New York cit. -Richard Montg mery, New York city. 106,714.—FIRECRACKER HOLDER.—Charles Most, Bergen City, 106,715.—WATER-POWER WHEEL.—John Nipp, Jr., Raleigh, 106,716.—HAND STAMP.—M. P. Norton (assignor to Helen M. Ingalls), Troy, N. Y.
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106,718.—SOLAR TIME INSTRUMENT.—F. M. Pannetrat, Paris, France.
106,719.—FRUIT BASKET.—S. D. Payne, Kasota, Minn.
106,720.—Machine for Bending Wire Screw Eyes.—N.
N. Perry, Chester, Conn.
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106,723.—CAN OPENER.—A. C. Platt, Sandusky, Ohio.
106,724.—MACHINE FOR VARNISHING AND LABELING FRUIT CANS AND OTHER CYLINDRICAL PACKAGES.—A. C. Platt, Sandusky, Ohio.
106,725.—SKATE.—A. C. Platt, Sandusky, Ohio.
106,726.—BED BOTTOM.—George Richardson, Milwaukee, 106,727.—PUMPING ENGINE.—Louis C. Rodier, Springfield, Mass.
106,728.—Cultivator.—John Root, Hartland, N. Y. 106,729.—CIRCULAR SAW MILL.—T. H. Russell, Northfield, Vt. Antelated August 17, 1870.

106,730.—BINDING ATTACHMENT FOR SEWING MACHINES.— W. Sawyer, Boston, Mass., assignor to F. Draper & Co., Cambridge, 106,731.—Fifth-wheel for Carriages.—Henry Sayler, 106,731.—FIFTH-WHEEL FOR CARRIAGES.—Henry Sayler, Saint Paris, Ohio.
106,732.—Breeching Attachment for Horses.—Wm. F. Schatz, Columbus, Ohio.
106,733.—CULTIVATOR.—N. S. Shields, Rockford, Ill.
106,734.—METALLIC SEAL.—Alex. B. Small, New Orleans, La.
106,735.—Pocket Sun Dial.—D. L. Smith, Waterbury, 106,736.—VAPOR BURNER.—Willard H. Smith, New York city. 106,737.—Means for Adjusting Car Wheels to Differ-Md. 106,740.—Stock or Blank for Bracelets.—I. B. Staples, Attleborough, Mass. 106,741.—GAGE FOR CUTTING BIAS PIECES OF CLOTH.—S. T. Taylor, New York city.

106,742.—HARROW.—Cornelius Thayer and L. L. Thomas,
Otego, N. Y.

106,743.—COMBINED GANG PLOW AND CULTIVATOR.—S. C. 106,746.—HOT AIR FURNACE.—John Van, Cincinnati, Ohio. 106,747.—CALK FOR BOOT AND SHOE.—J. L. Wager and A. L. Scudder, Sanford, N. Y. 106,748.—Skate.—E. P. Waggoner, Syracuse, N. Y. 106,749.—Walls for Buildings.—James Weathers (assignor to himself and V. P. Harris), Greensburg, Ind. 106,750.—COAL STOVE.—J. R. Webber, Morris, Ill. 106,751.—SEED PLANTER AND FERTILIZER.—D. P. Webster, Boston, Mass. 106,752.—Shuttie for Sewing Machine.—W. W. Wells, Webster, Iowa. 106,753.—VAPOR BURNER.—Joseph White (assignor to himself and J. B. Wickersham), Philadelphia, Pa. 106, 754.—Bit Stocks.—Charles P. Whitman, Charlemont. Mass.

106,755.—SHAFT COUPLING.—S. H. Whitmore (assignor to C. C. Burroughs and James Milliken), Decatur, Ill.

106,756.—SHAFT COUPLING.—Seth H. Whitemore (assignor to C. C. Burroughs and J. Milliken), Decatur, Ill.

106,757.—WEATHER STRIP.—Henry W. Wicker, Norwich, Conn. 106,758.—COMBINED FORK AND BAND CUTTER.—M. Wenger, 17,100 teacock Post Office, Pa. 106,759.—DEVICE FOR REMOVING LIME FROM HARD WATER.

4,104.—BUGGY TOP.—A. M. Cory, New Providence, N. J.—Patent No. 97,479, dated December 7, 1869; antedated November 20, 1869.

4,105.—CHERRY STONER.—George Geer. T. G. Hadley, and William Hamilton, Galesburg, 111., assignees of George Geer.—Patent No. 63,715, 4ated April 9, 1867.

4,103.—STONE PAVEMENT.—Charles Cuidet, New York city.—Patent No. 83,814 dated Jan. 12, 1869. -Patent No. 58,14, dated Jan. 12, 1899.

4,107.—APPARATUS FOR CRUTCHING SOAP.—Geo. M. Leslie,
Northumberland, Pa., assignor to himself and Jesse Oakley, New York
city.—Patent No. 44,42, dated Sept. 6, 1864.

4,108.—BRICK MACHINE.—The United States Brick Machine Co., Chicago, Ill., assignees of B. M. Gard and E. R. Gard.—Patent No. 100,136, dated Feb. 22, 1870. DESIGNS. 4,298.—LAMP STAND.—J. S. Atterbury and T. B. Atterbury, Pittsburgh, Pa. 4,299.—CLOCK FRONT. — John H. Bellamy, Charlestown, Mass. 4.300 and 4.301.—"Persian Cloak."—T. Dolan, Philadelphia, 4,000 and 4,001.—"FERSIAN CLOAR. —1.Doian, Finiadeiphia, Fa. Two Patents.
4,302.—JOINING WOOD.—C. B. Knapp, Waterloo, Wis.
4,303.—HAIR PIN.—G. W. Manson (assignor to C. M. Vandervoort and W. F. Fishrer), New York city.
4,304.—Ash Pall.—John Merry, New York city. EXTENSIONS. PEGGING JACKS.—Alfred Bailey, of Amesbury, Mass.—Letters Patent No. 15,406, dated July 29, 1856. ROTARY KNITTING MACHINE.—S. W.!Park, of Albany, N.Y., and E. S. Ells, of Fremont, N.Y.—Letters Patent No. 15,492, dated Aug. 5, 1856. SEWING MACHINE.—Extended by an Act of Congress.—John Bachelder, of Boston, Mass.-Letters Patent No. 6,439, dated May 8, 1849; reissue No. 617, dated November 2, 1858. APPLICATIONS FOR THE EXTENSION OF PATENTS. MACHINE FOR PARING APPLES, POTATOES, ETC. - Elizabeth V. Pratt, North Beverly, Mass., has petitioned for the extension of the above patent. Day of hearing Oct. 26, 1870. BURGLAR-PROOF SAFES .- William H. Butler and Sarah A. Holmes, New York city, have petitioned for an extension of the above patent. Day of hearing Nov. 2, 1870. PLATFORM SCALES.-Francis M. Strong and Thomas Ross, Vergennes, Vt., have petitioned for an extension of the above patent. Day of hearing Nov 9.1870. CURRYCOMB.-Elliott P. Gleason, New York city, and Alvah Crosman North Providence, R. I., have petitioned for an extension of the above patent. Day of hearing Nov. 9, 1870. HARVESTING MACHINE .- William N. Whiteley, Springfield, Ohio, has ap plied for an extension of the above patent. Day of hearing Nov. 9, 1870. GREAT VALUE ATEN ROBABLY no investment of a small sum of money brings a greater return than the expense incurred in obtaining a patent, even when the lavention is but a small one. Larger by the small sum of money apatent, even when the lavention is but a small one. Larger by the small state of the small small one. Larger by the small small one, if the small small one, are well small sma 37 Park Row, New York, Have been engaged in the business of Soliciting Patents for nearly twenty-five years, and have the most extensive facilities for transacting such business, of any concern in the world. M. & Co. have examined and reported more than 50,000 INVENTIONS, And prepared the papers for more than 25,000 APPLICATIONS

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4,103.—Spring Mattress.—E. L. Bushnell, Poughkeepsie, N. Y.-Patent No. 95,984, dated Oct. 19, 1869.

-Kasson Frazer, Syracuse, N. Y