

CANE STUBBLE SHAVER.—P. G. Kleinpeter, Plaquemine, Iberville Parish, La.—This invention consists in the use of a horizontal knife, which is attached to the landside of an ordinary plow to cut the stubbles while the plow is forced through the ground.

MOISTENING AND DUMPING MACHINE FOR MINES.—Geo. Marts, Pottsville, Pa.—This invention relates to hoisting water and coal from mines, and dumping the same into chutes.

TIRE BENDER.—Wm. Willhide, Fetterman, West Va.—The object of this invention is to provide a simple, convenient, and effective apparatus for the purpose of bending tires and other metallic bars.

GRAIN SWEATER, DRYER, AND CLEANER.—Wm. Hull and C. W. Hammond, Baltimore, Md.—This invention relates to that class of machines for cleaning grain, etc., in which a hollow rotating cylinder is employed, provided with oblique or "worm" flanges, partitions, or deflections for moving the grain longitudinally with the cylinder as the latter rotates.

LOW-WATER DETECTOR.—G. B. Massey, New York city.—This invention relates to a new safety attachment to steam boilers whereby an alarm will be instantly given as soon as the water sinks below a certain desired level, and it has for its object to construct an apparatus which will operate with certainty at low as well as high pressure.

RAILROAD-CAR JOURNAL BOX.—J. B. Collin, Altoona, Pa.—This invention relates to a new journal box for railroad cars, which is so arranged that it can be conveniently opened or closed, but not spontaneously drop open during the motion of the car, and so that the oil, flowing over at the back of the box, cannot reach the wheel, and so that the packing within the box cannot be thrown forward against the lid to force the same open.

COTTON AND HAY PRESS.—Joseph K. Davis, Monticello, S. C.—This invention relates to that class of cotton and hay presses in which the bale is formed at the top of the press, the platen being worked upward by means of two vertical screw rods. Such presses must of necessity have doors through which to get into the upper end of the press box, as well as a cover which can be removed when occasion requires.

WAGON BRAKE.—Milton Satterlee, Foreston, Ill.—This invention relates to that class of wagon brakes in which a lever is employed to throw a shoe or drag under one or both of the hind wheels, or remove it therefrom; and this improvement consists in a peculiar construction of such shoe, whereby it not only better adapts itself to the inequalities of the ground, but, also, prevents the sliding or sluing of the wagon on ice, or other smooth surface.

ICE MACHINE.—D. L. Holden, New Orleans, La.—This invention relates to that class of ice machines in which chimogene gasoline, rigoline, and other kindred substances are sprayed into a freezing chamber, or into freezing pipes, and consists in a new and improved construction of the spraying apparatus, whereby the cleaning and repairing are greatly facilitated, together with a new apparatus for purifying the gasoline, and during the process, and a new and improved arrangement and combination of all the parts, whereby the whole is greatly simplified, and its cost and expense of running reduced, while its effectiveness is increased.

CONSTRUCTION OF VESSELS.—W. A. Farley, St. Andrew's Bay, Fla.—This invention consists in producing patterns of two different curves taken from two radii; the one obtained by taking two thirds the measurement of the beam of the required vessel, and the other from a radius of one half the said measurement. Also, in the use of the said pattern, in a manner to obtain the required curves for any part of the sides and bottom of the vessel, by one pattern.

HAT POUNCING MACHINE.—John Rosencranz, Boston, Mass.—This invention consists of one or more pairs of conical rollers, and a vibrating brushing or rubbing device, arranged and adapted for imparting a rotary motion to the hat, by passing the brim through the rollers, which press it, and move it against the brushing apparatus for brushing and finishing the brim.

TRACK SIGHTER.—Geo. W. Plumb, Milford, Conn.—The object of this invention is to provide a simple and efficient instrument whereby the rails of railroads may be sighted for adjusting and trueing without the labor and delay of placing the head down upon the rail, which is not only tedious but injurious to the physical condition of the sighter, when the rails are hot in warm weather.

PUMP.—Chalkley Griscom, Lewis Griscom, and J. P. Griscom, Mahanoy Plain, Pa.—This invention relates to a new pump, to be used for mining and other purposes, and its object is to throw a continuous stream and to keep the water at an uninterrupted flow, so that when the column of water is once started, it will continue to move as long as the pump is in motion.

FEED ATTACHMENT TO CARDING MACHINES.—James Lawton, Glenham, N. Y.—This invention relates to a new attachment to carding machines, which is to be a substitute for the ordinary strap heretofore in use.

HOD ELEVATOR.—Thomas M. Pelham, New York city.—This invention relates to improvements in hod-elevating platforms, such as are used by builders for elevating and returning the hods containing bricks, mortar, and other substances, and has for its object to provide an arrangement whereby the persons who take the hods from the platform after being elevated may do so without requiring to step on the platform in shouldering the hods, as they must now do, as the elevators are at present constructed, by which serious accidents occur by the falling of the platforms owing to the slipping of the hoisting gear, breaking of the ropes, and other causes. The invention also has for its object to provide an arrangement whereby a greater number of hods may be carried up in the same space or on platforms of equal size to others now in use.

WATER DOORS FOR FURNACES.—Joseph Phillips and Davis Keeley, Phoenixville, Pa.—This invention relates to a new and useful improvement in doors for puddling, blast, and other furnaces, and consists in producing a circulation of water in a serpentine channel through the door by means of partitions.

MITER VISE.—Charles W. Wilson, Norfolk, Va.—This invention relates to an improvement in means for fastening miter joints, more especially designed for use in making picture frames, but applicable to other purposes.

MACHINE FOR CUTTING SHEET METAL.—John A. Wells, Holly Springs, Miss.—This invention relates to a new and improved machine for cutting circles from tin and other sheet metal.

HYDRAULIC DREDGING MACHINE.—R. S. Elliott, St. Louis, Mo.—This invention relates to improvements in machinery for dredging river bottoms and the bottoms of other water ways used for navigation, and is intended for removing bars of sand and other similar matter from navigable channels.

BURIAL CASE.—J. A. Danbridge, Buffalo, N. Y.—In carrying out this invention the cases are constructed preferably of wood, and are covered with a metallic covering, formed by electro-plating upon wax or any other substance that can be easily molded into ornamental designs of raised figures, and to connect the said ornamental covering the back is filled with a cement impervious to wet, which will adhere to both wood and metal, and when so filled apply them to the exterior, thus uniting them together and protecting the cases from penetration by moisture, or the same may be applied to metallic cases as commonly constructed by the ordinary process of electro-plating or to cases of other substances capable of electro-plating.

MACHINE FOR FASTENING THE BOTTOMS TO POLYGONAL SHEET-METAL CANS.—Reuben Brady, New York city.—This invention relates to a new machine for crimping the turned-up edges of sheet-metal plates to the sides of polygonal sheet-metal vessels so as to thereby securely fasten such plates or bottoms to the vessels.

STEERING APPARATUS.—Henry Edward Skinner, London, England.—This invention relates to a new steering apparatus, which, while it is of very simple construction, will develop much power, and give full control of the rudder. The invention consists in the application of two screws working one within the other.

HIGH AND LOW-WATER INDICATOR.—G. B. Massey, New York city.—This invention relates to a new alarm attachment to steam boilers, which will be operated when the water is a certain distance above as well as when it is below the proper height, and which will also, when it is operated, indicate whether it is put in action by high or low water.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING SEPT. 28, 1869.

Reported Officially for the Scientific American

SCHEDULE OF PATENT OFFICE FEES:

Table with 2 columns: Description of fee (e.g., On each caveat, On filing each application for a Patent, etc.) and Amount (e.g., \$10, \$15, \$20, etc.).

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

- List of patent entries starting with 95,179. Includes items like PRESERVING FISH, SASH BALANCE, PERMUTATION LOCK, BASE-BURNING STOVE, BABY JUMPER AND ROCKER, MINERS' SAFETY LANTERNS, BASKET, EMBROIDERING MACHINE, HARVESTER GUARDS, HARVESTER, LIQUID METER, MACHINE FOR FASTENING BOTTOMS TO CANS, HARVESTER RAKE, BED BOTTOM, MACHINE FOR MITERING PRINTERS' RULES, PLOW WHEEL, VISE, RAILWAY-CAR JOURNAL BOX, LET-OFF MECHANISM FOR LOOMS, LOOM HARNESS, METHOD OF CONSTRUCTING PILES FOR RAILROAD RAILS, YARN-TENSION DEVICE FOR KNITTING MACHINES, MANUFACTURE OF WHITE LEAD, BURIAL CASE, HOOP-SKIRT FASTENING, SEAL LOCK FOR BAGS, CAN OPENER, COAL STOVE, LATH MACHINE, FEEDING MECHANISM FOR CARDING ENGINES, MEDICAL EXTRACT, BOOT AND SHOE, MANUFACTURE OF SHOES, CHURN, HYDRAULIC DREDGING MACHINE, CORN HARVESTER, CONSTRUCTION OF VESSELS, RAT TRAP, STUMP EXTRACTOR, CURTAIN FIXTURE, MODE OF HANGING WINDOW SHADES, AUGER HANDLE, HARNES MECHANISM FOR LOOMS, PUMP, BEDSTEAD, HEADBLOCK FOR SAW MILLS, DIRECT-ACTING STEAM ENGINE, COMPOUND FOR BUILDING PURPOSES, RAILWAY-RAIL CHAIR, WHIP SOCKET, GANG PLOW, HARNES MECHANISM FOR LOOMS, DOOR FASTENER, SPRING CURTAIN ROLLER, RUFFLE, HAY TEDDER, SHOULDER BRACE, PEDDLERS' WAGON, FEEDING ATTACHMENT FOR CARDING ENGINE, MACHINE FOR DRESSING STONE, WASHING MACHINE, MUFF, SEED PLANTER, POTATO DIGGER.

- List of patent entries starting with 95,243. Includes items like SAIL LATCHET, CLOTH AND HAT BRUSH, LOW-WATER DETECTOR FOR BOILERS, HIGH AND LOW-WATER INDICATOR, WASHING MACHINE, PRESS, GRATE FOR STOVES AND FURNACES, PLOW, MILL PICK, MODE OF FASTENING BUTTONS ON SHOES, HORSESHOE-NAIL CLINCHER, FERNERY, HOT-AIR FURNACE, INSTRUMENT FOR SETTING BUTTON HOOPS, VISE, MOP HEAD, STOP VALVE, TRAVELER FOR SPINNING RING, HOD ELEVATOR, FURNACE DOOR, IMPLEMENT FOR SIGHTING RAILROAD TRACKS, POLISHING MACHINE, WASH-BOILER TUBE, WINDOW, HORSE HAY RAKE, GRAIN-CLEANING MACHINE, HAT-POUNCING MACHINE, THREAD GUIDE FOR SPOOLS, PLUG TOBACCO CUTTER, COAL STOVE, BASE-BURNING FIREPLACE STOVE, CONDENSER, LAUNDRY STOVE AND HEATING FURNACE, SHAFT COUPLING, STEERING APPARATUS, AXLE SKEIN, FEED MEASURE FOR STOCK, HOT-AIR FURNACE, NUMBERING MACHINE, RAILWAY CAR SEAT, ROLL FOR SPLITTING RAILROAD RAILS, STEAM VALVE, APPLE CORER, CORN-PLOW FENDER, WHEELBARROW, BOLT FEEDER, HINGE, BRAZIER, TURBINE WATER WHEEL, BRAN DUSTER FOR FLOUR MILLS, MACHINE FOR CUTTING SHEET METAL, PROCESS OF OBTAINING WROUGHT IRON DIRECTLY FROM THE ORE, MACHINE FOR MAKING SHINGLE BOLTS, CHUCK, MEDICAL COMPOUND, MITER VISE, MODE OF PROTECTING PLASTERED WALLS AGAINST DAMPNESS, HARVESTER, SAWING MACHINE, GRAIN SCREEN, HARVESTER, OX-YOKE BOW, HOE, PROCESS FOR UTILIZING THE SULPHUR FUMES FROM COPPER ORES, MEASURING FAUCET, MEAT CHOPPER, ELECTRIC CLOCK, THILL-COUPLING, SOAP OR DETERGENT COMPOUND, LUBRICATOR FOR JOURNAL BOXES, ROLLER JAW-TEMPLE FOR LOOMS, HORSE RAKE, CLOTHES-LINE HOLDER, EXTRACT OF HOPS, EXTENSION CRIB, DEVICE FOR FITTING AXLE-SPINDLES TO SKEINS, BUTTON-HOLDING ATTACHMENT FOR SEWING MACHINES, PORTABLE FIRE ESCAPE, FASTENING FOR ATTACHING THE ENDS OF BANDS, CLAMPS, ETC., STEAM GAGE, MILK CAN, VELOCIPED, ICE-BREAKING BOAT, SLED BRAKE, COTTON AND HAY PRESS.

95,329.—BED BOTTOM.—John Decamp, Cincinnati, Ohio.
 95,330.—MEDICAL COMPOUND.—N. T. Drake, High Point, N. C.
 95,331.—TRIP-HAMMER SAW-SET.—William Duesler, St. Joseph, Mo.
 95,332.—BUCKLE.—E. F. Eaton, Northford, Conn. Antedated Sept. 17, 1869.
 95,333.—FEATHERING PADDLE-WHEELS.—Primus Emerson, Carondelet, Mo.
 95,334.—BLANK FOR HARVESTER GUARD-FINGERS.—Jerome Fassler, Springfield, Ohio.
 95,335.—PROPELLER WHEEL.—C. T. Finlayson, Albany, Oregon, assignor to himself and A. C. Lond, San Francisco, Cal.
 95,336.—FERTILIZER ATTACHMENT.—C. C. Foster, Odessa, Del.
 95,337.—CLAMP.—G. W. Goulden, Waverly, N. Y.
 95,338.—CULTIVATOR.—T. J. Hall, Bryan, Texas.
 95,339.—BRICK KILN.—William Hallam, Cheltenham, Mo.
 95,340.—STOVE-PIPE DAMPER.—Robert Ham, assignor to P. P. Stewart, Troy, N. Y.
 95,341.—MACHINE FOR GRINDING AND POLISHING SCHOOL SLATES.—H. W. Harper, Berlinsville, Pa. Antedated March 29, 1869.
 95,342.—MACHINE FOR GRINDING AND POLISHING SLATE.—H. W. Harper, Berlinsville, Pa. Antedated March 29, 1869.
 95,343.—MACHINE FOR GRINDING AND POLISHING SLATE, STONE, MARBLE, ETC.—H. W. Harper, Berlinsville, Pa. Antedated March 29, 1869.
 95,344.—METHOD OF MANUFACTURING TYPE-WHEELS.—B. B. Hill, Springfield, Mass.
 95,345.—CARTRIDGE LOADING MACHINE.—Martin V. B. Hill, Bridgeport, Conn.
 95,346.—EDUCATION VENTILATOR FOR RAILROAD CARS.—M. T. Hitchcock, Springfield, Mass.
 95,347.—ICE MACHINE.—D. L. Holden, New Orleans, La.
 95,348.—HARROW.—W. R. Hollingsworth, Mount Pleasant, Iowa.
 95,349.—WINDOW SHADE FIXTURE.—G. B. Holzach, New Orleans, La.
 95,350.—SAWI HOLDER.—R. B. Huganin, Cleveland, Ohio.
 95,351.—GRAIN DRYER.—William Hull and C. W. Hammond, Baltimore, Md.
 95,352.—CULTIVATOR.—Almon Hunt, Macomb, Ill.
 95,353.—ROTATING HOOK FOR SEWING MACHINES.—Jakob Husnik, Tabor, Austria, assignor to Heinrich Pollack and Albert E. Schmidt, Hamburg, Germany.
 95,354.—WASHING MACHINE.—J. J. Kendall, Troy's Store, N. C.
 95,355.—MACHINE FOR WIRING BLINDS.—Jefferson Kindleberger and W. A. Arnold (assignors to "The Inventor's Association of San Francisco, Cal."), San Francisco, Cal.
 95,356.—ORNAMENTAL TRANSFER.—Philip Kneipp (assignor to J. S. Earle & Sons), Philadelphia, Pa.
 95,357.—BLACKING FOUNT.—Carl Kunstler, Brooklyn, N. Y.
 95,358.—MANUFACTURE OF CAST STEEL.—Louis La Breche-Viger, Montreal, Canada, assignor to W. W. Averell, Bath, N. Y.
 95,359.—PITMAN-JOINT FOR HARVESTERS.—S. T. Lamb, New Albany, Ind.
 95,360.—RAILWAY CAR COUPLING.—John Larimore and J. M. Williams, Connerville, Ind.
 95,361.—HORSE RAKE.—A. S. Lazier, North Parma, N. Y.
 95,362.—CLOTH-HOLDING GUIDE FOR SEWING MACHINES.—D. R. Lewis, Manchester, Iowa.
 95,363.—HINE FOR BLINDS.—T. C. Lord, Chicago, Ill.
 95,364.—BASE BURNING STOVE.—H. C. March, Limerick Station, Pa.
 95,365.—BLEACHING PAPER STOCK.—G. E. Marshall, Laurel, Ind.
 95,366.—HOISTING AND DUMPING APPARATUS.—George Martz, Pottsville, Pa.
 95,367.—HAND PLOW.—Le Roy McWhinney, Winterset, Iowa.
 95,368.—SEALING BOXES, ETC.—H. D. Mears, New York city.
 95,369.—READING DESK.—John Moessinger, New York city.
 95,370.—CARRIAGE WHEEL.—W. F. Moody, Auburn, N. Y.
 95,371.—SCREW CUTTING DIE.—J. O. Morse, Englewood, N. J.
 95,372.—HARVESTER.—Frederick Nishwitz, Brooklyn, N. Y.
 95,373.—HARVESTER.—Frederick Nishwitz, Brooklyn, N. Y.
 95,374.—CLAY TEMPERING MACHINE.—G. E. Noyes (assignor himself and E. N. Gray), Washington, D. C.
 95,375.—COMBINED GRAIN DRILL AND LAND ROLLER.—Henry D. Palmer, Volena township, Mich. Antedated September 22, 1869.
 95,376.—COMPOUND FOR THE CURE OF CHOLERA MORBUS.—John Pool, Hermon, N. Y.
 95,377.—MEDICATED SOAP.—W. P. Pugh, High Point, N. C.
 95,378.—COMPOSITION FOR ROOFING, PAVEMENTS, ETC.—Evander W. Ranny, New York city.
 95,379.—AUGER.—T. M. Richardson, Stockton, Me.
 95,380.—NEWSPAPER FILE.—John Robson, Chicago, Ill.
 95,381.—CHAFING-IRON FOR WAGONS.—Edward P. Roche, (assignor of one half to E. A. Potter), Bath, Me.
 95,382.—SAFETY VALVE FOR STEAM GENERATORS.—Ferdinand Rochow, New York city.
 95,383.—CASTER WHEEL FOR HARVESTERS.—Isaac S. Russell, New Market, Md., and Henry R. Russell, Woodbury, N. J.
 95,384.—WAGON BRAKE.—Milton Satterlee, Foreston, Ill.
 95,385.—SPRING WAGON.—Francis Scherb, San Francisco, Cal.
 95,386.—PLOW.—Henry Selick, Lewistown, Pa.
 95,387.—STEAM GENERATOR.—Noah Shaw, Eau Claire, Wis.
 95,388.—MOLDING PIPE.—Frederick Shickle, St. Louis, Mo., assignor to Shickle, Harrison & Co.
 95,389.—COUNTING REGISTER.—Gerard Sickels, Boston, Mass.
 95,390.—METALLIC ROOF.—John Siddons, Rochester, N. Y.
 95,391.—APPARATUS FOR SHARPENING AND GUMMING SAWS.—Wm. S. Spratt, Cincinnati, Ohio.
 95,392.—VICE.—W. X. Stevens, East Brookfield, Mass.
 95,393.—HINGE FOR GATES.—Job Sweet, Decatur, Mich.

95,394.—COMBINED ROTARY CULTIVATOR AND HARROW.—Henry T. Taplin, South New Market, N. H.
 95,395.—BREECH-LOADING FIREARM.—A. L. Varney, Watertown, assignor to A. B. Ely, Newton, Mass.
 95,396.—GRINDING MILL.—David Weimer, Gettysburg, Ohio.
 95,397.—HARVESTER DROPPER.—Wm. N. Whitely, Springfield, Ohio.
 95,398.—TIRE BENDER.—William Willhide, Fetterman, West Va.
 95,399.—COAL STOVE.—S. H. Williams, Baltimore, Md.
 95,400.—DISH-WASHING MACHINE.—L. R. Witherell (assignor to himself and Charles F. Calkins), Galesburg, Ill.
 95,401.—CHURN Dasher.—Travis P. York, Terre Haute, Ind.
 95,402.—BRIDGE.—Edward William Young, New Street, Spring Gardens, Great Britain. Patented in England, February 19, 1868.
 95,403.—PAINT COMPOUND.—James Gould, Lexington, Mass.
 95,404.—STEAM ENGINE SLIDE VALVE.—Thomas Adams, London, England.

REISSUES.
 83,182.—PRINTING CERTAIN TEXTILE FABRICS AND YARNS.—Dated October 20, 1868; reissue 3,647.—American Print Works, Fall River, Mass., assignees of John Lightfoot.
 86,273.—PUMP DEVICE FOR STEAM AND OTHER ENGINEERY.—Dated January 26, 1869; reissue 3,645.—Charles Edward Blake, San Francisco, Cal.
 56,525.—COOKING STOVE.—Dated July 24, 1866; reissue 3,649.—Esek Bussey, Troy, N. Y.
 63,802.—GAS BURNER.—Dated April 16, 1867; reissue 3,650.—Benjamin Collins, New York city, assignee, by mesne assignments, of Richard B. Locke and Wm. B. Ulrich.
 67,682.—DETACHABLE SAW TEETH.—Dated August 13, 1867; reissue 3,651.—Henry Disston and Hamilton Disston, Philadelphia, Pa., assignees by mesne assignments, of Joseph W. Strange.
 74,060.—WASHER FOR LOCK NUTS.—Dated February 4, 1868; reissue 3,652.—D. Elliot and E. Seely, New York city.
 33,560.—BREECH-LOADING FIREARM.—Dated October 22, 1861; reissue 3,653.—Alfred B. Ely, Newton, Mass., assignee of Francis J. Vitum and Edgar M. Stevens.
 72,031.—MACHINE FOR REFITTING VALVES.—Dated December 10, 1867; reissue 3,654.—Charles F. Hall, for himself and Charles S. Hall, assignee of Charles F. Hall Brooklyn, N. Y.
 33,202.—BEDSTEAD.—Dated April 14, 1863; antedated October 14, 1862; reissue 3,655.—David Manuel, for himself, Dedham, and Frederick K. Ballou, assignee, by mesne assignments, of David Manuel Foxborough, Mass.
 67,900.—ADJUSTABLE STOVE-PIPE SHELF.—Dated August 20, 1867; reissue 3,656.—O. B. Insted, Beloit, Wis.
 79,907.—MILK CAN.—Dated July 14, 1868; reissue 3,657.—H. W. Shepard, Mannsville, N. Y., assignee of George A. Huggins.

DESIGNS.
 3,667.—BUST OF ALEXANDER VON HUMBOLDT.—Henry Berger, New York city.
 3,668.—CARPET PATTERN.—Jonathan Crabtree (assignor to James Bromley & Brothers) Philadelphia, Pa.
 3,669.—STOVE.—Addis E. Chamberlain and John B. Crowley, Cincinnati, Ohio, assignors to Addis E. Chamberlain, O. N. Bush, and F. V. Chamberlain.
 3,670.—RAILWAY CAR VENTILATOR CASE OR SHELL.—M. T. Hitchcock, Springfield, Mass.
 3,671.—CAP OF A FRUIT CAN.—Julius I. Livingston, Pittsburgh, Pa.
 3,672.—CLOCK CASE.—George B. Owen, Winsted, Conn.
 3,673.—FACE-PLATE OF A LATCH.—Emery Parker, New Britain, Conn.
 3,674.—HARNES MOUNTING.—James Patterson Robbins, Philadelphia, Pa.
 3,675.—STOVE.—Watson Sanford, New York city.
 3,676.—PLATE OF A STOVE.—Robert Scorer and Robert Ham, Troy, N. Y.
 3,677.—CARPET PATTERN.—Isaac Starr, Jr., Philadelphia, Pa.
 3,678.—TRADE MARK.—Geo. W. Tucker, Manchester, N. H.
 3,679.—FIREPLACE HEATER.—Samuel L. Utter, Brooklyn, N. Y.
 3,680.—STOVE.—Samuel L. Utter, Brooklyn, N. Y.
 3,681.—STOVE.—Nicholas S. Vedder, Troy, and Thomas S. Heister, Lansingburg, N. Y., assignors to John H. Herron & Co., Pittsburgh, Pa.
 3,682 to 3,684.—FLOOR OILCLOTH.—John T. Webster, New York city, assignor to Page, Wilder & Co., Hallowell, Me. Three patents.
 3,685.—FELT BORDER.—John T. Webster, New York city, assignor to "Crossley Company," Bridgeport, Conn.
 3,686.—REFLECTOR.—August Wilhelm, Philadelphia, Pa.

EXTENSIONS.
 CORRUGATED BEAM.—Richard Montgomery, New York city. Letters Patent No. 13,599, dated September 25, 1855.
 GANEO PLOW.—Thomas J. Ball, Bryan, Texas.—Letters Patent No. 12,791, dated May 1, 1855.

Inventions Patented in England by Americans.
 (Compiled from the "Journal of the Commissioners of Patents.")
 PROVISIONAL PROTECTION FOR SIX MONTHS.
 2,386.—SEWING MACHINE.—C. Lockman, Hamilton, Canada. August 10, 1869.
 2,590.—RAILWAY CHAIR.—F. Nicklin and R. Willis, Troy, N. Y. September 2, 1869.
 2,595.—STEAM BOILER.—H. W. Lüders, Philadelphia, Pa. September 3, 1869.
 2,600.—TRANSMITTING POWER BY MEANS OF AIR OR FLUID.—R. Spear, New Haven, Conn. September 3, 1869.

2,632.—REAPING AND MOWING MACHINE.—William Allen, Auburn, N. Y. September 6, 1869.
 2,632.—MEANS FOR UTILIZING THE FORCE OF THE WAVES.—F. Ellerhausen, Ellersburg, Nova Scotia. September 7, 1869.
 2,634.—TELEGRAPHIC APPARATUS.—George Little, Rutherford Park, N. J. September 7, 1869.

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