

Recent American and Foreign Patents.

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

EXTENSION LADDER.—William Kean, Chicago, Ill.—This invention has for its object to furnish an improved ladder, which shall be so constructed that a man upon the top of the ladder, when raised against the wall of a house, can raise and lower himself as he may wish, making it very convenient and useful for firemen, painters, etc., and which shall, at the same time, be simple in construction and conveniently operated.

THILL COUPLING.—W. B. Meloney, M. D., Smyrna, Del.—This invention has for its object to furnish an improved thill coupling, simple in construction, cheap in manufacture, safe in use, durable, and not liable to get out of order, or to be injured by water or mud, and which will admit of the application of a rubber anti-rattling attachment, without interfering with the convenient attachment and detachment of the thills.

WHEELS AND AXLES FOR RAILROAD CARS.—W. Hudgin, M. D., Athens, Ga.—This invention has for its object to furnish an improvement in the construction of wheels and axles for railroad cars, which will enable cars to be readily and quickly adjusted to run upon a wider or narrower track, as may be required.

FLOORING CLAMP.—David Nevin, Georgetown, Colorado Territory.—This invention relates to a new implement for pressing boards together before nailing the same to the floor beams. The invention consists in a new construction of stock, which is made self-fastening to the beams, and in the connection therewith of a sliding spring clamp and operating lever.

ANIMAL TRAP.—James Caswell Parrish, Petersburg, Va.—This invention consists mainly in a peculiar arrangement of a vertical rotary cylinder, provided with a coiled spring, the same being set each time an animal is entrapped, and the animal itself operating the cylinder by depressing or withdrawing a stop.

TRUSS BRIDGE.—John A. McKay, Auburn, Ind.—The object of this invention is to render truss bridges more firm under heavy pressure or concussion; and it is accomplished by the use of a metallic socket or cap of peculiar construction, which rests on the upper chords, and holds the ends of the cross counterbraces; and also in part by the construction of the side braces, and the attachment of their ends to the chords.

IRON ABUTMENT FOR BRIDGES.—Jacob S. Goshorn, Fort Wayne, Ind.—The object of this is to provide an improved method of constructing iron abutments or piers for bridges, by which they can be made substantial and durable, with less expenditure of time, labor, and money, than heretofore; and so that, when the plates are broken by ice or other cause, new plates can readily be inserted in place of the old ones, without the necessity of taking any part of the pier to pieces.

MACHINE FOR CUTTING CORN STALKS.—John Wood, Pella, Iowa.—This invention consists in the combination, with a suitable frame, of two wheels, armed with radial blades, which, when the machine is drawn over a row of standing stalks, cuts off the same; and also in a drag to be placed beneath the wheels when the machine is moving over the highway.

BRAKE FOR RAILROAD CARS.—Charles W. Tierney, Altoona, Pa.—This invention relates to a new automatic mechanism for applying brakes to the wheels of railroad cars, and has for its object to make the apparatus self-acting in such reliable manner that the collisions of the cars produced by a slackening of the speed of a locomotive on a train in motion, will at once cause the application of all the brakes.

ÆOLIAN CHIME.—Heinrich Herrmann, New York city.—This invention relates to a new chime, which is made of glass belts that are suspended from the branches of trees, or otherwise exposed to the air, provided with very tight clappers, that will be swung to and fro by the action of the wind. The bells are properly timed, and will, when the clappers are moved by the air, produce a series of harmonious, but more or less indefinite sounds, very pleasant to the ear.

HYDRAULIC APPARATUS FOR SHIPS.—Edward A. Inglefield, 10 Grove End Road, St. John's Wood, England.—This invention has for its object to obtain occasional power from the inflow of external water, employing constantly a moderate power for removing, by bilge pumps or other convenient means, the water which has done its work in entering the vessel.

FAUCET FOR DRAWING BEER.—Theo. W. Bartholomew, New York city.—This invention consists in the application to faucets of conical rubber sleeves, which serve as linings for the faucets in the barrel heads. The rubber prevents the splitting of the barrel heads, and the bending of the faucet, by invidious application of the latter.

FOUNTAIN BLACKING BRUSH.—Albert D. Pentz, New York city.—This invention relates to a new and useful improvement in brushes for blacking boots and shoes, and consists in a fountain or chamber in the back of the polishing brush from which the liquid blacking is expressed by means of a valve and pressure on the supply brush.

DENTAL PREPARATION.—Edward G. Kearsling and Leonzo Kearsling, Spring Valley, N. Y.—This invention relates to a new and useful improvement in metallic preparations for dentists' use in filling decayed teeth, and it consists in the use of platina covered with gold.

MACHINE FOR DEGERMINATING MALT.—Karl Sauter, New York city.—This invention has for its object to construct a machine whereby the germs sprouting from grain, during the conversion of the same into malt, can be conveniently broken off and separated from the grain, so that they will not enter the still during the process of brewing.

SELF-CLOSING COCK.—William Dalziel, New York city.—This invention has for its object to prevent the waste of water or other liquid, drawn from reservoirs or other limited supply. The invention consists in providing the cock, through which such liquid is drawn, with a self-acting apparatus, whereby, after a certain quantity of the liquid has been drawn, the cock will invariably be closed.

SCAFFOLD.—Samuel Hollabaugh and T. W. Letts, Mount Union, Pa.—This invention relates to improvements in builders' and painters' scaffolds, of that class whereon the workman raises himself and the platform while on it, and it consists in a long frame or platform, mounted at each end on a pole, to slide up and down on it, and having a crank and pinton at each end, gearing into a toothed rack on the pole, for raising it or letting it slide down. The poles are to be arranged at the upper ends for splicing on additional pieces, to extend them for high buildings, and the platform is made two stories high, with a ladder connecting one with the other, for enabling the workmen to work over a greater area of space without moving it than they could otherwise do.

CLOVER STRIPPER.—John M. Hull and Albert C. Stifer, Alquina, Ind.—This invention relates to improvements in machines for stripping and gathering the seeds from the clover standing in the field, and it consists in a combination with a large box suspended from a truck and provided with fingers at the front of the bottom, resembling, in some respects, the guard fingers of a mower, to project into the clover and gather the tops into the angles between them; of a cutter and rake arranged to cut the heads and rake them back into the box, said cutter and rake working close to the fingers when moving backward, but rising upward when moving forward, to pass over the clover heads. The invention also comprises an adjusting apparatus for raising or lowering the front of the case.

WELL MOUSE, OR DEVICE FOR ENLARGING WELLS.—Thomas Donnelly, Pittsburgh, Pa.—This invention consists in a series of notched or serrated vertical bars, hinged at their upper ends to the head of a stem or stock. When put into a well, the bars may be forced outward by a collar which slides on the stem, thus enlarging the hole.

HAY AND COTTON PRESS.—Jacob L. White, Hernando, Miss.—This invention relates to a press in which the follower moves upward in the box in order to compress the bale, and consists chiefly in the arrangement of toggles at the ends of the press box, in combination with a horizontal frame loosely inclosing said box.

PRINTING PRESS ATTACHMENT.—Alexander L. Bevans, Flushing, N. Y.—This invention relates to improvements in printing presses, and consists in an improved card guide and holding and discharging attachment, applicable to the Gordon card printing press.

CANCELING STAMP.—Gottlieb Rost, Union Hill, N. J.—This invention relates to improvements in the construction and arrangement of self-inking and revolving hand canceling stamps, for stamping letters, bills, notes, and the like.

TANNING.—W. C. Stone, Derby Line, Vt.—This invention relates to an improved process for tanning hides and skins.

APPLICATIONS FOR EXTENSION OF PATENTS. MACHINE FOR SPLITTING WOOD.—William L. Williams, New York city, has petitioned for an extension of the above patent. Day of hearing, March 29, 1871.

BIT STOCKS.—Lydia Moore, Wilmington, Vt., has petitioned for an extension of the above patent. Day of hearing, March 27, 1871.

Official List of Patents. ISSUED BY THE U. S. PATENT OFFICE.

FOR THE WEEK ENDING FEB. 7, 1871. Reported Officially for the Scientific American.

SCHEDULE OF PATENT FEES. On each caveat \$10. On filing each application for a Patent, (seventeen years) \$25. On issuing each original Patent \$50. On appeal to Examiners-in-Chief \$10. On appeal to Commissioner of Patents \$20. On application for Reissue \$50. On application for Extension of Patent \$50. On granting the Extension \$50. On filing a Disclaimer \$20. 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) \$20.

For Copy of Claim of any Patent issued within 90 years \$1. A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from \$1 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 such case, may be had by addressing MUNN & CO., Patent Solicitors, 37 Park Row, New York.

- 111,503.—COFFEE-POT.—Niven Agnew, Delaware, Canada.
111,506.—ADJUSTABLE SHUTTLE BINDER.—N. J. Allen and James C. Moody, Brunswick, Me.
111,507.—SPARK ARRESTER.—T. A. Andrews, Jr., Philadelphia, Pa.
111,508.—FENCE.—Hugh M. Barber, Franklin Station, Ohio.
111,509.—FAUCET.—Thomas W. Bartholomew, New York city.
111,510.—CORN PLANTER.—Leander Becker, Jackson Township, Pa.
111,511.—APPARATUS FOR OILING FELLS, SPOKES, ETC.—P. E. Bomby, Espy, Pa.
111,512.—LAMP FOR COAL-OIL STOVES.—John Bowles (assignor to himself and Samuel Bard), Augusta, Ga.
111,513.—OSCILLATING BALANCE STEAM VALVE.—John C. Bromley, Rock Island, Ill.
111,514.—PAPER-COLLAR BOX.—Lee Churchill, Troy, N. Y.
111,515.—HINGE FOR GATES.—Charles B. Clark, Buffalo, N. Y.
111,516.—BROILER.—Levi H. Colborne and David H. Lowe, New York city.
111,517.—COOKING STOVE.—John B. Crowley and Adais E. Chamberlain (assignors to Chamberlain & Co.), Cincinnati, Ohio.
111,518.—SELF-CLOSING COCK.—William Dalziel, New York city.
111,519.—CLOTHES DRIER.—Alfred Day, Skowhegan, assignor of one-half right to Francis Lyford, Augusta, Me.
111,520.—ASPHALT CEMENT FOR PAVEMENTS, DRAIN PIPES, ETC.—E. J. De Smet, New York city.
111,521.—MAIL BAG FASTENING.—D. F. Dodge, Lowville, N. Y.
111,522.—CARRIAGE CURTAIN KNOB.—W. B. Douglass, Newark, N. J., assignor to Frederick Baumgartner, Brooklyn, N. Y.
111,523.—MACHINE FOR WARPING YARN.—George Draper, Hopedale, Mass.
111,524.—SASH HOLDER.—Henry W. Drott, Cumberland, Md.
111,525.—FUNNEL.—L. P. Edwards, Hamilton, Pa.
111,526.—WATER HEATER FOR STEAM BOILERS.—David C. G. Field, Lowell, Mass.
111,527.—STEAM GENERATOR.—Loyal C. Field, Galesburg, Ill.
111,528.—BEDSTEAD FASTENING.—Sebastian Goetz, Reed's Mills, Ohio.
111,529.—INVERTIBLE TROUGH.—Francis J. Goldsmith, Concord, assignor of one-half his right to Peter F. Young, Painesville, Ohio.
111,530.—FEED GRINDER.—Myron Gore, Ottawa, Ill.
111,531.—LAMP.—F. T. Grimes, Liberty, Mo.
111,532.—MACHINE FOR BORING POSTS.—Jesse R. Group, Idaville, Pa.
111,533.—LEATHER-PUNCHING AND CUTTING MACHINE.—E. E. Hardy and Napoleon Dubrul, Joliet, Ill.
111,534.—CARTRIDGE SHELL EJECTOR FOR REVOLVING FIRE-ARMS.—G. H. Harrington, Worcester, Mass.
111,535.—WATER-PROOF PIANO COVER.—H. F. Herkner, New York, and Jared W. Post, Brooklyn, N. Y.
111,536.—HYDRAULIC APPARATUS.—George H. Herring, Durand, Ill.
111,537.—ÆOLIAN CHIMING BELL.—Heinrich Herrmann, New York city.
111,538.—DOUBLE-ACTING ROTARY ENGINE.—J. P. Herron, Atlanta, Ga.
111,539.—APPARATUS FOR TRANSMITTING POWER AND CHANGING THE SPEED.—Spencer Hiatt, Clayton, Ind.
111,540.—SCAFFOLD.—Samuel Hollabaugh and T. W. Letts, Mount Union, Pa.
111,541.—SHOES FOR THRASHERS.—D. W. Hollihan, San Francisco, Cal.
111,542.—AUTOMATIC STEAM WATER ELEVATOR.—Charles Houghton, Roxbury, Boston, Mass.
111,543.—WHEEL AND AXLE FOR RAILWAY CARS.—Wescom Hudgin, Athens, Ga.
111,544.—CLOVER HARVESTER.—John W. Hull and Albert C. Stifer, Alquina, Ind.
111,545.—FLOUR SIFTER.—Curtis Huntley, Lowell, Mass.
111,546.—STEERING APPARATUS.—E. A. Inglefield, 10 Groves End Road, St. John's Wood, England.
111,547.—MODE OF FASTENING HUB BAND, ETC.—James Ives, Mount Carmel, Conn.
111,548.—BATTER POT.—E. A. Jeffery, New York city.
111,549.—MANUFACTURE OF RUBBER FLOOR CLOTH, ETC.—H. W. Joslin, Jersey City, N. J.
111,550.—COUPLING FOR SHAFTS FOR MILLS.—William Kean, Chicago, Ill.
111,551.—PREPARATION OF PLATINUM FOR FILLING TEETH.—E. G. Kearsling and Leonzo Kearsling, Spring Valley, N. Y.
111,552.—BOILER TUBE PLUG.—Thos. La Blanc, Philadelphia, Pa.
111,553.—CARPENTER'S WORK BENCH.—Robert C. Love, Augusta, Me.
111,554.—SPRING BED.—Nicholas Mason, Lincoln, Mass.
111,555.—CHURN.—James McBride, Ithaca, N. Y.
111,556.—THILL COUPLING.—W. B. Meloney, Smyrna, Del.
111,557.—HARVESTER.—James Moran, Auburn, N. Y., and C. D. Wallace, Corry, Pa., assignors to themselves and H. E. Needham, St. Louis, Mo.
111,558.—TONGUE FOR CHILD'S CARRIAGE.—E. A. Morse, Rutland, Vt.
111,559.—MAT.—P. W. Neefus, New York city.

- 111,560.—FLOOR CLAMP.—David Nevin, Georgetown, Colorado Territory.
111,561.—INVALID BEDSTEAD.—J. H. Oerter, New York city.
111,562.—CHURN.—William Parks, Meadville, Pa.
111,563.—CLOTHES DRYER.—A. H. Patch, Hamilton, Mass.
111,564.—RATCHET COUPLING FOR BARGES, ETC.—W. W. Patterson and Edmond Bishop, Pittsburg, Pa.
111,565.—ARTIFICIAL FUEL.—B. F. Penny, Rochester, N. Y. assignor to T. B. Curtis, New York city.
111,566.—FOUNTAIN BLACKING BRUSH.—A. D. Pentz, New York city.
111,567.—LATCH LOCK.—Nicholas Petre, New York city.
111,568.—WINE SIRUP AND BEVERAGE.—A. D. Puffer, Boston, Mass.
111,569.—KILN FOR DRYING MALT.—J. A. Remer (assignor to himself and Henry Assenheimer), New York city.
111,570.—PORTABLE SWING.—D. M. Reynolds, Chicago, Ill.
111,571.—POTATO DIGGER.—R. B. Robbins, Adrian, Mich.
111,572.—MACHINE FOR THREADING SCREWS.—D. M. Robertson, East Boston, and J. A. Bidwell, Boston, Mass.
111,573.—FERRULE.—W. H. Rodden, Toronto, Canada.
111,574.—THILL COUPLING.—L. S. Rowe, Derby Line, Vt., assignor to himself and U. T. Sheafe.
111,575.—RIVETING MACHINE.—William Sellers, Philadelphia, Pa.
111,576.—FEATHER RENOVATOR.—J. T. Seldon, Chicopee, Mass.
111,577.—PORTABLE BOOK HOLDER.—C. W. Sherwood, Chicago, Ill.
111,578.—PORTABLE FENCE.—Hector Sinclair, New York city.
111,579.—PAPER FOR USE IN THE BOTTOMS OF BIRD CAGES.—J. H. Singer, New York city.
111,580.—BOILER FURNACE.—Le Grand Skinner, Chittanooga, N. Y.
111,581.—PRINTING PRESS.—E. H. Smith, Bergen, N. J.
111,582.—PULLEY.—S. A. Smith (assignor to Cresson & Smith), Philadelphia, Pa.
111,583.—TANNING.—W. C. Stone, Derby Line, Vt., assignor to himself and W. S. Foster.
111,584.—BRAKE FOR RAILWAY CARS.—C. W. Tierney, Altoona, Pa.
111,585.—WASH BOARD.—Westley Todd, Allegheny, Pa.
111,586.—PRISON LOCK.—H. R. Towne, Stamford, Conn.
111,587.—PERMUTATION LOCK.—H. R. Towne, Stamford, Conn.
111,588.—FLUTING MACHINE.—T. M. Tucker, Newark, N. J.
111,589.—STOVE DRUM.—Willard Twitchell, Syracuse, N. Y.
111,590.—LUBRICATOR FOR LOOSE PULLEYS.—Stephen Ustick, Philadelphia, Pa.
111,591.—RAILWAY CAR BRAKE.—J. E. Weaver, Lancaster, Pa.
111,592.—CANDY-CUTTING MACHINE.—Christopher Wentz, Albert Green, and O. P. Connor, Trenton, N. J.
111,593.—APPARATUS FOR DELIVERING RAIN, ORES, ETC., INTO GRINDING MILLS.—J. D. Whelpley and J. J. Storer, Boston, Mass.
111,594.—FEED CUTTER.—J. R. Whittemore, Chicopee Falls, Mass.
111,595.—LOOM-PICKING MOTION.—H. A. Whitten and E. D. Gove, Holyoke, Mass.
111,596.—DROP TUBE STEAM GENERATOR.—S. L. Wiegand, Philadelphia, Pa.
111,597.—VELOCIPED.—W. L. Williams, New York city.
111,598.—STEAM HEATER.—J. L. Winslow, Portland, Me.
111,599.—VESSEL FOR HOLDING OIL.—A. T. Woodward, New York city.
111,600.—HYDRAULIC TURNPIPE.—Samuel Adams, Michigan Bluff, Cal.
111,601.—WATER WHEEL.—J. P. Allen, Springfield, Ohio.
111,602.—COATING BRICK, WOOD, AND OTHER SURFACES ON WALLS, ETC.—E. E. Alvord, Salt River, Mich.
111,603.—DRIVING POWER FOR LOCOMOTIVES.—W. D. Arnett, Denver, Colorado Territory.
111,604.—SAND SIFTER.—William Bailey, Friendship, N. Y.
111,605.—SCOOP AND SIFTER.—Joseph Baker, Trenton, Canada.
111,606.—FEATHER RENOVATOR.—James A. Bell (assignor to himself and Henry Z. Stetler), Tyrone, Pa.
111,607.—FRUIT JAR.—Melville K. Bissell, Kalamazoo, Mich., assignor to Salmon B. Rowley, Philadelphia, Pa.
111,608.—FLOWER STAND.—Elijah D. Castelow, Meriden, Conn.
111,609.—ALCOHOL STILL.—George Clarkson (assignor to himself, Samuel D. Wilder, and Albert Sherwin), Elgin, Ill.
111,610.—STAIRWAY.—Charles Saunders Close, Philadelphia, Pa.
111,611.—MANUFACTURE OF STRAW BOARD FOR THE CONSTRUCTION OF BUILDINGS.—Judd M. Cobb, Beloit, Wis.
111,612.—APPARATUS FOR CLEANING SULPHURETS AND OTHER ORES.—Charles C. Coleman, San Francisco, Cal.
111,613.—BOOT JACK.—Ezra Coleman, San Francisco, Cal.
111,614.—APPARATUS FOR FEEDING PULVERIZED FUEL TO FURNACES.—Thomas Russell Crampton, Westminster, London, Great Britain.
111,615.—APPARATUS FOR DISTRIBUTING AND FEEDING POWDERED FUEL TO FURNACES.—T. R. Crampton, Westminster, London, Great Britain.
111,616.—FURNACE FOR BURNING PULVERIZED FUEL.—T. R. Crampton, Westminster, London, Great Britain.
111,617.—SUSPENDER.—John W. Dayton, Waterbury, Conn.
111,618.—HAND VISE.—James W. Devlin, Yonkers, N. Y.
111,619.—SAW.—Henry Disston and Thomas Oates Hill (assignor to Henry Disston & Son), Philadelphia, Pa.
111,620.—DEVICE FOR ENLARGING WELLS.—Thomas Donnelly, Pittsburgh, Pa.
111,621.—VALVE AND COCK.—Isidore Dreyfus, New York city.
111,622.—HEATING STOVE.—S. H. Emery, Jr., and C. H. Castle, Quincy, Ill.
111,623.—SIFTER AND STRAINER.—Lyman Fay, Fall River, Mass.
111,624.—WATER METER.—Thomas B. Fogarty, Brooklyn, N. Y.
111,625.—BOOT AND SHOE FASTENING.—F. D. Ford, New Bedford, Mass.
111,626.—GATE LATCH.—Wm. Fosket (assignor to Charles Parker), Meriden, Conn.
111,627.—WALKING CULTIVATOR.—Andrew Friberg, Moline, Ill.
111,628.—SAFETY DEVICE FOR HATCHWAYS.—Alexander Fries, Cincinnati, Ohio.
111,629.—BRICK MACHINE.—Benjamin M. Gard, Urbana, Ohio, and Emory R. Gard, Chicago, assignors to United States Brick-Machine Company, Chicago, Ill.
111,630.—WATER WHEEL.—James Gardner, South Lee, Mass.
111,631.—CLOD FENDER.—Robert T. Gillespie, Millport, Ohio.
111,632.—PLANING MACHINE.—James Goodrich and Henry J. Colburn, Fitchburg, Mass.
111,633.—HARVESTER.—William F. Goodwin, Metuchen, N. J.
111,634.—HORSE POWER.—William F. Goodwin, Metuchen, N. J.
111,635.—HAIRPIN.—Charles M. Gormly, Pittsburgh, Pa.
111,636.—IRON ABUTMENT FOR BRIDGES.—Jacob S. Goshorn, Fort Wayne, Ind.
111,637.—DEVICE FOR SECURING CORKS IN BOTTLES.—S. L. Gouverneur, Frederick City, Md.
111,638.—APPARATUS FOR THE MANUFACTURE OF CONFECTIONERY.—William F. Goward, Boston, Mass.
111,639.—SECTIONAL STEAM BOILER.—James S. Griffith and Charles E. Emery, New York city.
111,640.—WINE AND CIDER PRESS.—Thomas W. Grinter Russellville, Ky., assignor to James L. Haven, Cincinnati, Ohio.
111,641.—BRIDGE FOR SUPPORTING SHAFT-DRILLING MACHINES.—Joseph P. Griscorn, Port Carbon, and John Fritz, Mahanoy, Pa.
111,642.—EXPLOSIVE COMPOUND.—Joseph Hafencgger, San Francisco, Cal.
111,643.—CAM FOR QUARTZ MILLS.—Oliver P. Hart, Logtown, Cal.