

DROPPER FOR HARVESTER.—N. S. Ketchum, Marshalltown, Iowa.—This invention has for its object to furnish an improved dropper for attachment to such harvesters as are provided with an endless apron, carrier, or elevator, for removing the cut grain from the cutter platform.

COUPLING FOR CONNECTING THE INLET PIPE TO THE RETORT COVER OF A GAS MACHINE.—John Butler, New York city.—This invention has for its object to furnish an improved coupling for connecting the inlet pipe to the retort cover of a gas machine, which shall be so constructed as to allow the pipe and cover to be readily disconnected when desired for convenience in detaching the said retort cover.

HOT-BLAST FURNACE.—A. Burtenshaw, Hope Furnace, Ohio.—The object of this invention is to provide a more durable construction and improved arrangement of what are known as ring hot-blast furnaces. It is also designed to provide an arrangement, whereby repairs may be more easily made, and old and worn-out rings may be removed. The invention also comprises an air-heating chest and throat of improved construction.

RAILWAY BRAKE.—D. P. Lefevre and L. Philippe Dorré, France.—This invention refers to a new or improved system of self-acting railway brake, operated by the buffers.

HULLING MACHINE.—David Kahnweiler, New York city.—This invention consists in the arrangement and adjustment of the knives of the cylinder of a machine for hulling cotton seed and for other purposes, and in the formation of the cylinder and concave, and the parts connected therewith.

BED BOTTOM.—Joseph Sperry, Charleston, Ill.—This invention relates to a new and useful improvement in bed bottoms, whereby they are made more durable and useful than slab bed bottoms have hitherto been, and it consists in a double slab bottom, made without metallic or rubber springs, and entirely of wood, save the necessary screws for fastening the parts together.

BOAT DETACHING APPARATUS.—N. C. Reynolds, Ellsworth, Me.—This invention relates to a new and useful improvement in a device or apparatus for simultaneously detaching the ends of a boat from a davit tackle, and it consists in operating a detaching lever hook at the bow and at the stern of a boat by means of a lever and connecting rod.

MACHINE FOR PICKING CRANBERRIES.—J. P. Prickett, Medford, N. J.—This invention relates to a new and useful improvement in a machine for picking or gathering cranberries, whereby that slow and tedious operation (usually performed by hand) is performed by machinery.

KING BOLT FOR CARRIAGES.—William Clark, Johnsonville, N. Y.—The object of this invention is to provide a king bolt attachment to the axles of wheeled vehicles, whereby the horizontal as well as vertical oscillations of the axles are permitted without the use of a fifth wheel or other complicated apparatus.

MOLD FOR CORNICES.—Michael Meany, John McGinnis, and Wm. Cunningham, Brooklyn, N. Y.—This invention relates to a new device for forming plaster cornices in rooms, halls, etc., and has for its object to produce a device which is adjustable to any angle of corners, and which will complete a molding and perfect it to the corner.

STUMP AND ROCK LIFTER.—Silas Smith, West Stockholm, N. Y.—This invention relates to improvements in machines for raising rocks, stumps, and other heavy bodies, and consists in an improved arrangement of shear frame, chain driver, and drum operating apparatus on a truck.

COMBINED COLLAR AND HAMES.—W. O'Brien and H. Wentworth, Omaha, Neb.—This invention relates to improvements in the construction and arrangement of collars and hames in one structure. The invention consists in an improved, simple, and cheap construction of the stocks or parts which serve the function of the hames, and the base for the padding and lining of wood, with metal mountings at the end, of peculiar construction, to form the joints. It also consists in an improved manner of connecting the leather linings and facings.

COFFEEPOT.—John P. Williams, Mobile, Ala.—This invention relates to improvements in coffee pots, and consists in an arrangement with the exterior vessel of ordinary construction, of an inner coffee holder, from which the water of the outer vessel may be so separated that it may be kept in a boiling condition, while that in the coffee holder is in a fit state for use, the boiling water being forced into the coffee holder only when there is sufficient steam in the outer vessel to convey it through a tube extending from below the steam surface to the coffee holder, at the top, from which it may be poured for use, while the water boils in the said exterior vessel.

REVERSIBLE FEED FOR SEWING MACHINES.—J. J. Hirschbuhl, Louisville, Ky.—This invention relates to improvements in reversible feed apparatus for sewing machines, applicable to the Weed, and other like machines, and consists in the attachment to the feed bar, of an arm, projecting below the feed-operating shaft, and in attaching a rocker arm to the said shaft for working the feed, by connection with this arm, at the side of the said shaft, opposite the rocker arm now used to give the direct feed, so that a reverse motion will be imparted to the feed bar by connecting these arms, and disconnecting the others. The invention, also, consists in arranging the feed shaft, to slide longitudinally for shifting the connection of the said rocker arms with their respective bars.

CHIMNEY TOP.—D. S. Robinson, Pittsburgh, Pa.—This invention relates to a new chimney top, which will be acted upon by the wind in such a manner as to always leave a free passage for the escape of smoke; and it consists in a novel manner of suspending a V-shaped swinging hood, and in a novel construction of chimney cap.

METHOD OF MEASURING AND SHAPING CORSETS.—Miss Mollie Williams, Camden, Ohio.—This invention relates to a new method of measuring and shaping the pieces of cloth required for a well-fitting corset, with the aid of but four measurements, and it consists in the use of three tools or implements, whose edges are so shaped that they will, after the requisite measurements have been produced, give curves to the several pieces.

WASHING MACHINE.—M. Ingalls, Muscatine, Iowa.—This invention has for its object to furnish a simple, cheap, convenient, and effective washing machine, by means of which the washing may be quickly and conveniently done, and in such a way as not to injure the most delicate fabric, the washing being done by forcing the boiling ends through the clothes.

APPARATUS FOR SEPARATING THE SEED FROM FRUIT PULP.—R. H. Mayo, Paris, Texas.—This invention has for its object to furnish a simple, convenient, and effective machine for separating the seed from the Bois-de-Arc, or Osage Orange, and other apples, where the seed is required to be separated unjured, for planting or other purposes.

COTTON-SEED PLANTER, ETC.—Wm. W. Croom, Gainesville, Ala.—This invention has for its object to furnish an improved machine for planting and fertilizing cotton seed, which shall be so constructed and arranged as to drop the seed regularly and uniformly, and not in clumps, and which may be easily adjusted for planting Indian corn, sorghum, peas, etc., doing its work accurately and well in either capacity.

WAGON BRAKE.—Michael Powell, Umatilla, Oregon.—This invention has for its object to furnish an improved brake, more particularly designed for trail wagons, but which shall be equally applicable to other wagons, and which shall be strong, durable, easily made, conveniently operated, and which will not bounce off the wheels when in use.

NECK YOKE.—Joseph King and Charles S. Gould, Janesville, Wis.—This invention relates to improvements in neck yokes for horses, and consists in an arrangement of sliding ferrules, or sleeves, for supporting the rings by which they are suspended from the neck straps, to admit the horses to move towards or from each other, as the condition of the road requires. It also consists in a novel arrangement of means for connecting the said sliding rings, to cause them to move in unison.

FRUIT FUNNEL.—Thomas Scantlin, Evansville, Ind.—This invention has for its object to provide a funnel to be used in filling fruit cans and jars with fruit, which will rest on the jars and cans fairly, without projecting inward so far as to interfere with filling them to the top. The invention consists in providing a short and broad funnel for wide-mouthed cans or jars, with a horizontal flange a short distance above the bottom, whereby the said funnel will rest fairly on the tops of the cans, and will admit of use with cans or jars having openings of different sizes.

WHIP AND REIN-HOLDING ATTACHMENT.—J. R. Finney, Youngstown, Ohio.—This invention relates to improvements in whip and rein-holding apparatus for carriages, designed to provide a simple and convenient combined attachment, so arranged as to be simply and readily attached to the dash-board, and that the socket or whip-holder will form a part of the rein-holder; also, so arranged that the whip-holder may be readily detached for the substitution of another when required, and to adapt it for more durable service in holding the whip.

HAY AND COTTON PRESS.—J. S. Duffy, Battle Ground, Ind.—This invention relates to improvements in presses for hay, cotton, and other similar articles, designed to provide an arrangement whereby a sufficient amount of power may be applied by hand, and in a short space of time, and so arranged that the applied power will increase as the bale becomes more compact.

ADJUSTABLE SHEARS.—James Booth, Worcester, Mass.—This invention relates to improvements in adjusting apparatus for book-binders' and other shears for cutting broad sheets, and consists in the application in the axis in the hollow hub of the movable shear arm, of an adjusting center block, on which it is suspended by center pins, and against which set screws tapped through the hub work, in a manner to adjust the hub and shear arm.

LEATHER ROLLING MACHINE.—J. G. Curtis, Emporium, Pa.—This invention relates to improvements in leather rolling machines, and consists in the combination with the roller, arranged on the lower end of the pendant vibrating beam, and the concave bed commonly used, of a springing or movable support for the said bed, and one or more pairs of rocker arms, with eccentric segmental bases, and a reciprocating rod, or bar, arranged between the ends of these arms opposite the said bases, one of which bears under the movable bed and the other on a permanent bed below, so that it moves the said arms on their eccentric bases, to and fro in a way to raise or lower the concave rolling bed, relatively to the roller. The movement of the said rod or bar being effected by a crank arm, rock shaft, and foot treadle, or lever, whereby the operator may govern the amount of pressure brought to bear upon the leather, by using his foot, leaving the hands free to handle the leather at the same time.

MILL PICK HANDLE.—F. Bellinger, Lockport, N. Y.—This invention relates to improvements in handles for mill picks, and consists in a handle composed of two parts of metal divided longitudinally, connected at the end to be taken in the hands, and at a short distance from the other end; the two parts at the latter end are made capable of springing between the latter connection and the ends, which are fitted to pass through an eye in the pick, and to be wedged against the side walls of the eye by a long steel or other metal wedge, running through the handle from end to end, in grooves in the two parts of the handle, which form a central hole when the said two parts are connected together.

MEDICAL COMPOUND.—Philester Lee and Lemue Matthews, Lebanon, Oregon.—This invention relates to a new and useful medical compound for use as a purgative and tonic.

APPLICATIONS FOR EXTENSION OF PATENTS.

MODE OF ATTACHING PADS TO SADDLE TREES.—James Ives, Mount Carmel, Conn., has applied for an extension of the above patent. Day of hearing May 25, 1870.

NON-ELASTIC BANDS FOR BALES OF COTTON AND OTHER FIBROUS MATERIALS.—Mary Ann McComb, Memphis, Tenn., administratrix of David McComb, deceased, has petitioned for an extension of the above patent. Day of hearing June 1, 1870.

MACHINE FOR PARING APPLES.—Horatio Keyes, Terre Haute, Ind., has applied for an extension of the above patent. Day of hearing June 1, 1870.

CARTRIDGE.—Edward Maynard, Washington, D. C. has petitioned for an extension of the above patent. Day of hearing June 1, 1870.

SHOEMAKERS' EDGE PLANE.—Isaac A. Dunham, North Bridgewater, Mass., has petitioned for the extension of the above patent. Day of hearing June 8, 1870.

SAFETY HATCHES FOR WAREHOUSES.—Wm. H. Thompson, Boston, Mass., and Eustis P. Morgan, Biddeford, Maine, has applied for an extension of the above patent. Day of hearing June 8, 1870.

METALLIC HOOK FOR LABELS.—Samuel B. Fay, New York city, has petitioned for an extension of the above patent. Day of hearing June 15, 1870.

FRUIT BOX.—Jabez W. Hayes, Newark, N. J., has applied for an extension of the above patent. Day of hearing July 27, 1870.

BUCKLE FOR WEARING APPAREL.—Edward Parker, Plymouth, Conn., has petitioned for an extension of the above patent. Day of hearing August 17, 1870.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING March 29, 1870.

Reported Officially for the Scientific American.

Table with 2 columns: Description of patent fee and Amount. Includes rows for 'On each caveat', 'On filing each original Patent', 'On appeal to Commissioner of Patents', etc.

For copy of Claim of any Patent issued within 30 years... \$1. For a sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from... \$1. The full Specification of any patent issued since Nov. 20, 1866, at which time the Patent Office commenced printing them... \$1-25.

- 101,204.—ELEVATED RAILWAY.—John M. Abbott, Hillsdale, Mich.
101,205.—ANTI-FRICTION CARRIAGE AXLE.—Alonzo Alcott, Haverhill, Mass.
101,206.—COTTON SEED PLANTER.—John P. Allen, Dawson, Ga.
101,207.—SCREW AND SCREW DRIVER.—Allen S. Appar, New York city, assignor to himself and Isaac Arnold, Jr., Haddam, Mass.
101,208.—CARRIAGE WHEEL HUB.—William J. Arrington, Jefferson county, Ga.
101,209.—KNIFE.—N. E. Babcock and G. D. Goodsell, Rockford, Ill.
101,210.—HINGE MACHINE.—Joseph H. Baird, Oakville, Conn.
101,211.—SUSPENDER.—Thomas W. Bartholomew, New York city.
101,212.—HASP FOR TRUNKS, ETC.—S. T. Barton, and John W. Affron, New Orleans, La. Antedated March 29, 1870.
101,213.—APPARATUS FOR TANNING LEATHER.—O W. Bean and W. B. Rowland, Tecumseh, Mich.
101,214.—PICK HANDLE.—Franklin Bellinger, Lockport, N. Y.
101,215.—VAPOR BURNER.—David Berkey, Huntington, Ind.
101,216.—CULTIVATOR.—Charles Bird, Ackley, Iowa.
101,217.—MODE OF CUSHIONING STEAM PISTONS.—George F. Blake, Boston, Mass.
101,218.—MACHINE FOR PICKING AND DUSTING WOOL.—M. Bliss, Tonia, Mich.

- 101,219.—BRACKET HANGER.—Charles E. Bliven, Toledo, Ohio.
101,220.—SHEARS.—James Booth, Worcester, Mass.
101,221.—TURBINE WATER WHEEL.—Clark Boyd, Andover, N. Y.
101,222.—APPARATUS FOR PHOTOGRAPHIC PRINTS.—Warren S. Burgess and G. A. Lenzi, Norristown, Pa.
101,223.—HOT-BLAST FURNACE.—A. Burtenshaw, Hope Furnace, Ohio.
101,224.—COUPLING FOR CONNECTING THE INLET-PIPE TO THE RETORT OF A GAS MACHINE.—John Butler, New York city.
101,225.—STEAM BOILER FEEDER.—J. M. Case, Worthington, Ohio.
101,226.—WASHING MACHINE.—Geo. R. Chandler, Detroit, Mich.
101,227.—KING BOLT FOR CARRIAGE.—William Clark, Johnsonville, N. Y.
101,228.—MACHINE FOR NICKING SCREWS.—N. S. Clement, Northampton, Mass.
101,229.—SAW GAGE.—Wm. Clemson, Middletown, N. Y.
101,230.—MACHINE FOR BENDING RAKE TEETH.—Columbus Coleman, Allegheny City, Pa.
101,231.—COTTON PICKER.—Robert F. Cooke, Brooklyn, N. Y.
101,232.—COTTON SEED PLANTER, ETC.—William W. Croom, Gainesville, Ala.
101,233.—STEAM GENERATOR.—Hugh E. Curry, Louisville, Ky.
101,234.—ROLLING MACHINE FOR LEATHER.—John G. Curtis, Emporium, Pa.
101,235.—KNIFE GUARD.—G. K. Dearborn, Pawtucket, assignor to Timothy Earle, Smithfield, R. I.
101,236.—BROILER.—D. W. Denham and Wm. K. Tillotson, Detroit, Mich.
101,237.—TRUNK.—Heinrich Doerr, Milwaukee, Wis.
101,238.—FASTENING FOR CUTTER HEADS, PULLEYS, ETC.—John Du Bois and Edwin Beugler, Williamsport, Pa.
101,239.—COTTON AND HAY PRESS.—John S. Duffy, Battle Ground, Ind.
101,240.—WHEEL CULTIVATOR.—S. H. Dwight and W. B. Chambers, Decatur, Ill.
101,241.—MATERIAL FOR CHAIR SEATS.—A. N. Elliott, Barre, Mass.
101,242.—APPARATUS FOR SETTING UP BARRELS.—Wm. B. Elliott, Corning, N. Y.
101,243.—TANNING.—Elihu England, Mossy Creek, Tenn.
101,244.—CULINARY VESSEL.—Charles Estabrooks, Calais, Me.
101,245.—SAFE.—John Farrel and Jacob Weimer, New York city.
101,246.—HARVESTER RAKE.—Joel Farrington, Corry, Pa.
101,247.—WHIP SOCKET AND REIN HOLDER.—J. R. Finney, Youngstown, Ohio.
101,248.—PREVENTING THE INCRUSTATION OF STEAM BOILERS.—J. T. Fisher (assignor to James B. Clow), Pittsburgh, Pa.
101,249.—LATHE FOR SQUARING NUTS, ETC.—James Flower, Detroit, Mich.
101,250.—CONVERTING ARTICLES MADE OF IRON INTO STEEL.—Hiram C. Folsom, Bangor, Me.
101,251.—BIT STOCK.—D. P. Foster, Waltham, Mass.
101,252.—HORSE-COLLAR PAD PRESS.—J. Fraser, Dowagiac, Mich.
101,253.—MANUFACTURE OF ARTIFICIAL STONE.—Aaron H. Frear, Chicago, Ill.
101,254.—PRINTING PRESS.—Merritt Gally (assignor to Allen Carpenter), Rochester, N. Y.
101,255.—WATER WHEEL.—James E. Gillespie and H. B. Weaver, Hartford, Conn.
101,256.—FLOW.—J. S. Godfrey, Leslie, Mich., assignor to himself and S. M. Loveridge, Pittsburgh, Pa.
101,257.—COTTON SEED AND CORN PLANTER.—J. B. Godwin, Williamston, N. C.
101,258.—SAW.—G. B. Goodnow, Detroit, Mich.
101,259.—WHEEL FOR RAILWAY CAR.—Jeremiah D. Green, Troy, N. Y.
101,260.—BAIT MILL FOR FISHERMEN.—Silvanus Hamblin, Taunton, Mass.
101,261.—PUMP.—Everett C. Hammond, Oswego, N. Y.
101,262.—COPYING PRESS.—William H. Hawkins, Cleveland, Ohio.
101,263.—MANUFACTURE OF IRON AND STEEL.—James Henderson, New York city.
101,264.—TINNING AND GALVANIZING WIRE.—E. H. Hill, Worcester, Mass.
101,265.—SEWING MACHINE.—Jos. I. Hirschbuhl, Louisville, Ky.
101,266.—COMBINED SEEDER AND HAY TEDDER.—Jonas House, Howard, N. Y.
101,267.—SPRING BED.—Liverus Hull, Charlestown, assignor to Tucker Manufacturing Company, Boston, Mass.
101,268.—COMBINATION ASBESTOS FILLING FOR FIRE-PROOF SAFES AND OTHER STRUCTURES.—Theodore Hyatt, New York city.
101,269.—WASHING MACHINE.—Moses Ingalls, Muscatine, Iowa.
101,270.—WOOD PAVEMENT.—S. H. Ingersoll, New York city.
101,271.—HULLING MACHINE.—David Kahnweiler, New York city.
101,272.—TUCK CREASING ATTACHMENT FOR SEWING MACHINE.—James F. Kellogg, North Bridgewater, Mass.
101,273.—HARVESTER DROPPER.—N. S. Ketchum, Marshalltown, Iowa.
101,274.—NECK YOKE.—Joseph King and C. S. Gould, Janesville, Wis.
101,275.—WRAPPER FOR SEEDS, ETC.—Royal G. Kinner, Penn Yan, N. Y.
101,276.—MACHINE FOR FELTING HAT BODIES.—James Kirk, Samuel Shelmerdine, and Cephas Froggatt, Stockport, Great Britain.
101,277.—WASHING MACHINE.—John O. Kopas, Washington, D. C.
101,278.—RATCHET DRILL.—Joseph Laubser, Milwaukee, Wis.
101,279.—MEDICAL COMPOUND.—Philester Lee and Lemuel Matthews, Lebanon, Oregon.
101,280.—RAILWAY CAR BRAKE.—Desire P. Lefevre and Louis Philippe Dorré, France.
101,281.—STIRRER AND EGG BEATER.—Charles Lehmann, Hartford, Conn.
101,282.—CURRENT WATER-WHEEL.—Wm. Lightfoot, Hamilton county, Tenn., administrator of John S. Lightfoot, deceased.
101,283.—BLEACHING DARK SOAP AND "FOOTS."—Oscar Loew (assignor to J. M. Pendleton), New York city.
101,284.—METHOD OF BLEACHING AND REFINING OILS.—Oscar Loew (assignor to J. M. Pendleton), New York city.
101,285.—WINDOW GUARD AGAINST FLIES AND MOSQUITOES.—E. S. Logg, Central Falls, R. I.
101,286.—PAPER COLLAR.—Ed. Elisha Mack, Albany, N. Y.
101,287.—FEED-WATER HEATER FOR LOCOMOTIVES.—I. P. Mazon, St. Johnsbury, Vt.
101,288.—APPARATUS FOR DEFECATING CANE JUICE.—C. K. Marshall, New Orleans, La. Antedated March 16, 1870.
101,289.—APPARATUS FOR SEPARATING THE SEED FROM FRUIT PULP.—Robert H. Mayo, Paris, Texas.
101,290.—STONE DRILL.—Wm. D. McClure, Constitution, Ohio.
101,291.—MANUFACTURE OF CAST STEEL.—Hugh McDonald, Pittsburgh, Pa.
101,292.—SEWING MACHINE.—Wm. S. Mead, New York city. Antedated March 17, 1870.
101,293.—CORNICHE MOLD.—Michael Meany, John McGinnis, and William Cunningham, Brooklyn, N. Y.
101,294.—PRESS AND STRAINER COMBINED.—W. D. Medbery, Bangor, Wis.
101,295.—CHILDREN'S CARRIAGE.—George H. Mellen, New York city.
101,296.—FIREPLACE GRATE.—E. D. Merrick, New Brighton, Pa.
101,297.—BAYONET.—Anson Mills, United States Army.
101,298.—SLEIGH BENCH.—Edward Milner, Marquette, Mich.
101,299.—MACHINE FOR FOLDING PAPER BAGS.—Calvin J. Moffatt, Brooklyn, N. Y.
101,300.—SAW MILL.—Charles D. Moore, Gilmanton, N. H.
101,301.—WASHING MACHINE.—D. F. Neikirk and John J. Koch, Republic, Ohio.