

HAT PRESSING BAG.—Samuel Wing, Munson, Mass.—This invention relates to improvements in india-rubber or other elastic bags such as are used in the manufacture of straw, felt, and other hats, for holding them when in the pressing molds. The invention consists in the application to such bags of metallic forming rings to insure the proper formation at the corners or at all points or angles where two walls or parts meet.

HINGE COUPLING.—S. W. Perkins, Geneseo, Ill.—This invention relates to a new and useful improvement in hinge couplings for the shafts, or poles, of single or double carriages, and for many other purposes.

COMBINATION PENCIL SHARPENER AND PEN HOLDER.—Moses W. Dillingham, Amsterdam, N. Y.—This invention relates to a new and useful improvement in a device for sharpening lead-pencils and holding a pen.

ROCK DRILL POINT.—C. H. Davis, San Francisco, Cal.—This invention consists in removing parts of the edges of flat pointed drills by making notches or recesses from the point upward, so that the drills will cut only a part of the distance of their breadth, the stone along the other part being broken by the effect of the cutting part.

VINE CUTTER.—Charles Crenshaw, Bartlett, Tenn.—This invention has for its object to furnish an improved machine for cutting potato and strawberry vines, which shall be simple and inexpensive in construction, and effective in operation.

CAR WHEEL.—W. R. Thomas, Catawauqua, Pa.—This invention has for its object to furnish an improved car wheel, simple in construction, strong, and durable.

GUARD FOR CIRCULAR SAWS.—Isaac Holliday, South Brooklyn, N. Y.—This invention has for its object to furnish a simple and convenient device, by means of which the upper or exposed part of a circular saw may be covered in such a way as not to interfere with the operation of the saw, while preventing anything from coming in contact with and being injured by, or injuring said saw.

TRUSS FOR CONNECTING BOOMS TO MASTS.—James E. Tibbetts, Trenton, N. J.—This invention has for its object to furnish an improved device for connecting booms to the masts of vessels, which shall be simple in construction and safe in operation, and which will allow the boom to be conveniently removed when desired.

ELECTRIC FIRE AND BURGLAR ALARM.—Eugene Fontaine, Fort Wayne, Ind.—This invention has for its object to improve the construction of electric fire and burglar alarms, so as to make them more convenient in use, and more reliable and effective in operation.

CURRY COMB.—H. Mithoff, Columbus, Ohio.—This invention has for its object to furnish an improved curry comb, simple in construction, easily and cheaply made, which will at the same time be strong and durable.

PEN HOLDER.—C. G. Wilson, Brooklyn, N. Y.—This invention has for its object to furnish an improved pen holder, designed more particularly for those having stiff or crooked fingers or hands, and which shall be so constructed as to allow the pen to be held at any desired angle or inclination.

WATER WHEEL.—S. D. Taylor, Hazleton, Pa.—This invention relates to new and useful improvements in that class of water wheels known as turbines.

LAMP.—P. Prettyman, Paradise Spring Farm, Oregon.—This invention relates to improvements in lamps, whereby it is designed to provide an improved means for holding the glass chimneys thereon; preventing the wick tube from heating and the communication of heat to the oil chamber, and for facilitating the process of combustion.

REGISTERING APPARATUS FOR SPINNING FRAMES.—Henry P. Gregory, Plattsburgh, N. Y.—This invention relates to improvements in registering apparatus for spinning jacks, and other spinning machinery, the object of which is to so arrange them that dishonest operatives may be prevented from working them to make them register more than they would do by the legitimate operation of the machines to which they are attached.

STEAM PUMP.—L. P. Garner, Ashland, Pa.—This invention relates to improvements in that class of steam pumps, whereby two pump pistons are actuated by one engine, the piston rod of the engine forming one of the pump rods, and actuating the other through the medium of a cog wheel gearing into teeth on the piston rod of the engine, and also into corresponding teeth on the other pump rod.

HORSE HAY RAKE.—Thomas J. West, Alfred Center, N. Y.—The object of this invention is to provide a sulky attachment to the common horse hay rake, and suitable operating mechanism whereby the rake may be manipulated by the attendant while sitting on the seat of the sulky in advance of the rake.

HORSESHOE MACHINE.—Charles P. Williamson, Louisville, Ky.—This invention relates to improvements in machinery for forming horseshoe blanks, and has for its object to provide a simple and efficient arrangement of means for the purpose. The invention consists in an improved arrangement of oscillating bending dies, a sliding former, pressing and creasing die, and discharger.

NEW PUBLICATIONS.

COTTON CULTURE, AND THE SOUTH CONSIDERED WITH REFERENCE TO EMIGRATION. By F. W. Loring and C. F. Atkinson. Boston: A. Williams & Co., 100 Washington street.

This pamphlet is the embodiment of a large mass of information obtained by the authors in response to a circular letter addressed to the cotton planters of the South. It contains a large amount of interesting and authentic information, with a free discussion of the labor and immigration questions. Some extracts from this portion of the work will be found in another column.

BENEDICT'S TIME TABLES.

Benedict Brothers, 691 Broadway, whose "time" has been regarded for many years as standard in this city, are now issuing a series of very convenient time-table cards—small in size—which give the exact time of the departure of all the railway and steamboat lines leaving this city. They are carefully revised from official sources, and 200,000 copies of the cards are now freely circulated every month throughout the city and upon the trains and steamboats. The expense of their publication is met by advertisements printed upon the cards. It seems to us that, as an advertising medium, these time-table cards offer superior advantages.

THE RESOURCES OF CALIFORNIA. Comprising Agriculture, Mining, Geography, Climate, Commerce, etc., and the Past and Future Development of the State. By John S. Hittell. Fifth Edition, with an Appendix on Oregon, Nevada, and Washington Territory. San Francisco: A. Roman & Co. New York: 27 Howard street.

PHYSICAL SURVEY OF VIRGINIA, Her Geographical Position, its Commercial Advantages, and National Importance. Preliminary Report by M. F. Maury, LL.D., etc., Professor of Physics Virginia Military Institute, Lexington, Va., Gen. Francis H. Smith, A.M., Superintendent. Second Edition. New York: D. Van Nostrand, 23 Murray street, and 27 Warren street.

Inventions Patented in England by Americans.

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

- 2,133.—ANNEALING METALS.—James M. Bottum, New York city. July 15, 1869.
2,227.—PRESERVING THE AROMATIC PRINCIPLE OF HOPS.—E. D. Brainard, Albany, N. Y. July 22, 1869.
2,235.—TELEGRAPH-WIRE INSULATORS.—W. E. Simonds, Hartford, Conn. July 22, 1869.
2,241.—PURIFYING ALCOHOL AND PARAFFINE.—C. C. Parsons, New York city. July 23, 1869.
2,261.—REAPING AND MOWING MACHINE.—James Thayer, New York city. July 26, 1869.

- 2,264.—VALVE.—Gerard Sickles and J. H. Thornlike, Boston, Mass. July 26, 1869.
2,311.—STEAM ENGINE.—John Storer, Peekskill, N. Y. July 26, 1869.
2,320.—SPINNING MECHANISM.—R. L. Walker, Southbridge, Mass. August 3, 1869.

APPLICATIONS FOR EXTENSION OF PATENTS.

- LOCK.—Sarah A. Holmes, administratrix of the estate of Richard G. Holmes, deceased, and William H. Butler, of New York city, have petitioned for an extension of the above patent. Day of hearing, October 18, 1869.
LATH MACHINE.—Andrew Blaikie, of San Francisco, Cal., and Walter Clark, of Marquette, Mich., have applied for an extension of the above patent. Day of hearing Oct. 18, 1869.
TOBACCO PRESS.—Rudolphus Kinsley, of Springfield, Mass., has petitioned for the extension of the above patent. Day of hearing, October 25, 1869.
LATHE CHUCK.—Eli Horton, of Windsor Locks, Conn., has applied for an extension of the above patent. Day of hearing, October 25, 1869.
PLANING MACHINE.—James A. Woodbury, of Boston, Mass., has applied for an extension of the above patent. Day of hearing October 25, 1869.
HAND SEED PLANTER.—D. W. Hughes, of Palmyra, Mo., has petitioned for the extension of the above patent. Day of hearing, November 1, 1869.

Official List of Patents.

Issued by the United States Patent Office.

FOR THE WEEK ENDING AUG. 17, 1869.

Reported Officially for the Scientific American.

SCHEDULE OF PATENT OFFICE FEES:

Table with 2 columns: Description of fee and Amount. Includes fees for each caveat, application for patent, extension of patent, and various other services.

For copy of Claim of any Patent issued within 30 years. \$1
Sketch from the model or drawing, relating to such portion of a machine as the claim covers, from... \$1
Full Specification of any patent issued since Nov. 20, 1866, at which time the Patent Office commenced printing them. \$1-25
Official Copies of Drawings of any patent issued since 1836, we can supply at a reasonable cost, the price depending upon the amount of labor involved and the number of views.
Full information, as to price of drawings, in each case, may be had by address MUNN & CO., Patent Solicitors, No. 37 Park Row, New York.

- 93,661.—VAPOR BURNER.—J. E. Ambrose, Lombard, Ill.
93,662.—HEAD-REST FOR DENTISTS' AND BARBERS' CHAIRS.—R. W. Archer, Rochester, N. Y.
93,663.—TOOL HOLDER FOR HOLDING TOOLS WHILE BEING GROUND.—Egbert Babcock and T. B. Farrell, Laurens, N. Y.
93,664.—MODE OF MOUNTING ORNAMENTAL CROSSES.—W. B. Bennett, Providence, R. I.
93,665.—BUCKLE.—Herman Bernheimer and Henry Newman, New York city.
93,666.—MANUFACTURE OF AX BIT.—Charles Blair (assignor to the Collins Company), Collinsville, Conn.
93,667.—FRUIT GATHERER.—John Bowles, Augusta, Ga.
93,668.—BONE BLACK EQUALIZER.—Daniel Brasill and D. A. Mullane, New Orleans, La.
93,669.—PHOTOGRAPHIC PLATE HOLDER.—Joseph Buchtel, Portland, Oregon.
93,670.—REEL FOR WINDING YARN.—E. L. Buckup, Stapleton, N. Y.
93,671.—RAILWAY CAR AXLE.—H. D. Burghardt (assignor to himself and G. S. Willis, Jr.) Pittsfield, Mass.
93,672.—CLOTHES PIN.—M. E. Burlingame, Willett, N. Y.
93,673.—MANGER.—Adam Chambers, Unionville, N. Y.
93,674.—VAPOR BURNER.—Lasslo Chandor, St. Petersburg, Russia (assignor to Cassius M. Clay).
93,675.—HOT AIR FURNACE.—J. E. Chapman, Cannon Falls, Minn.
93,676.—COAL ELEVATOR.—L. S. Chichester, New York city.
93,677.—APPARATUS FOR ELEVATING AND WEIGHING COAL, etc.—L. S. Chichester, Brooklyn, N. Y. Antedated August 5, 1869.
93,678.—TRUNK AND OTHER HANDLES.—John Churchill, Bristol, Conn.
93,679.—MACHINE FOR ROLLING HOE BLANKS.—W. T. Clement and E. V. Foster, Northampton, Mass. Antedated August 4, 1869.
93,680.—GANG PLOW.—Peter Conrath, Freeburg, Ill.
93,681.—VINE CUTTER.—Charles Crenshaw, Bartlett, Tenn.
93,682.—WAGON BRAKE.—C. J. Crounse, Clarksville, N. Y.
93,683.—MACHINE FOR UPSETTING TIRES.—G. W. Dalbey, Carrollton, Miss.
93,684.—ROCK DRILL POINT.—C. H. Davis, San Francisco, Cal.
93,685.—DOOR LATCH.—F. W. Dean, Tremont, Ill.
93,686.—POWER APPARATUS FOR VEHICLES.—J. G. Dillaha, Waco, Texas, assignor to himself, R. M. Boone, and N. D. Bailey, Chicago, Ill.
93,687.—PENCIL SHARPENER.—M. W. Dillingham, Amsterdam, N. Y.
93,688.—PIPE WRENCH.—W. H. Downing, Pioneer, Pa.
93,689.—ELECTRO-MAGNETIC ENGINE.—A. E. Dupas, New Orleans, La.
93,690.—HAND SEED PLANTER.—Jeptha Dyson, Philadelphia, Pa.
93,691.—GUN CARRIAGE.—J. B. Eads, St. Louis, Mo.
93,692.—CULTIVATOR AND HARROW COMBINED.—Ezra Emert, Franklin Grove, Ill.
93,693.—FRUIT CRATE.—G. M. Fenley, Medora, Ind.
93,694.—RAIN WATER CUT-OFF.—Edward Fleming (assignor for one half to G. A. Pease), Ann Arbor, Mich.
93,695.—TEETH FOR CULTIVATORS.—H. F. French, Boston, Mass.
93,696.—STEAM PUMP.—L. P. Garner, Ashland, Pa.
93,697.—STEAM ENGINE PISTON PACKING.—L. P. Garner, Ashland, Pa.
93,698.—VAPOR BURNER.—T. S. Gates and A. H. Fritchey, Columbus, Ohio.
93,699.—CONDUCTOR FOR ROLLING MILLS.—John Gearing, Pittsburgh, Pa.
93,700.—SODA FOUNTAIN.—William Gee, New York city.
93,701.—FLOOR FOR MALT KILNS.—William Gerhard, Jr., Florence, Mass.
93,702.—WASHING MACHINE.—Edwin Gillis, Battle Creek, Mich.
93,703.—CARRIAGE SPRING.—J. W. Gilmer, and W. H. De Valin, Sacramento, Cal.
93,704.—MACHINE FOR DOUBLE-SEAMING SHEET METAL.—James Globber, Omaha City, Nebraska.
93,705.—MACHINE FOR TURNING THE EDGES OF SHEET METAL.—James Globber, Omaha City, Nebraska.
93,706.—MACHINE FOR PRESSING DOWN THE SEAMS IN SHEET METAL.—James Globber, Omaha City, Nebraska.
93,707.—CARRIAGE AXLE.—John Grabach, Clyde, Ohio.
93,708.—CLOTHES DRYER.—W. S. Graves, Kansas City, Mo., and A. S. Capron, Grass Lake, Mich.
93,709.—REGISTERING APPARATUS FOR SPINNING MULES.—H. P. Gregory, Plattsburg, N. Y.
93,710.—MACHINE FOR FORMING PLOW HANDLES.—G. V. Griffith, Fort Wayne, Ind.
93,711.—SASH FRAME AND FASTENER.—J. M. Hale, Georgia Plains, Vt. Antedated August 5, 1869.
93,712.—GRATE.—Robert Ham, Troy, N. Y.
93,713.—MANUFACTURE OF IRON AND STEEL.—James Henderson, New York city. Antedated August 4, 1869.
93,714.—RAT TRAP.—J. M. Henrie, Vandalia, Iowa.

- 93,715.—BENCH SHEARS.—John Hill, Charlotte, Mich., assignor to himself and William Adams.
93,716.—GUARD FOR CIRCULAR SAWS.—Isaac Holliday (assignor to himself and J. S. Dean), South Brooklyn, N. Y.
93,717.—REMEDY FOR MURRAIN IN CATTLE.—Henry Jacobs, Fayetteville, Tenn.
93,718.—CARPET BEATER.—Thomas Jordan, Brooklyn, N. Y.
93,719.—LAMP.—E. G. Kelley, New York city.
93,720.—COMBINING A LETTER BALANCE AND A PEN HOLDER.—R. B. Kepner, Philadelphia, Pa. Antedated August 12, 1869.
93,721.—FANNING MILL.—T. B. Kirkwood, Dublin, Ind.
93,722.—SIDE WALL REGISTER.—J. M. W. Kitchen, Brooklyn, N. Y.
93,723.—FLUE BRUSH.—J. D. Kunkel, Cincinnati, Ohio, assignor to himself, Frederick Stockhove and C. F. Hornberger.
93,724.—HEAD BLOCK FOR SAW MILLS.—C. Leffingwell, Clarksburg, Ohio.
93,725.—BOILER.—A. J. Le Grand, Boonton, N. J.
93,726.—BUTTON.—Henry Link, Little Falls, N. Y.
93,727.—GRINDING AXES.—Harvey Mann, Bellefonte, Pa.
93,728.—SELF-CLOSING TELEGRAPH KEY.—J. H. McElroy, Warwick, N. Y.
93,729.—MACHINE FOR SOWING PLASTER, GRASS-SEED AND GRAIN.—A. W. McKay, Elkhart, Ind.
93,730.—CULTIVATOR PLOW.—Neal McKay, Columbia, Mo.
93,731.—SEWING MACHINE.—Daniel Mills, New York city, assignor to Charles Goodyear Jr., New Rochelle, N. Y. Antedated Feb. 17, 1869.
93,732.—CURRY-COMB.—H. Mithoff, Columbus, Ohio.
93,733.—SAFETY GUARD FOR GUN NIPPLE.—C. T. Moore, Gilmanton, N. H.
93,734.—ICE PITCHER.—Bernard Morahan, Brooklyn, N. Y.
93,735.—STEM WINDING WATCH.—James Nardin, Locle, Switzerland, assignor to V. T. Magnin, Galedin, and Co., New York city.
93,736.—SCOOP.—Andrew Nonnamaker, Circleville, Ohio.
93,737.—HORSE POWER.—George Oerllein, Utica, Minn.
93,738.—HORSE POWER.—George Oerllein, Utica, Minn.
93,739.—PROCESS FOR PURIFYING PARAFFINE.—C. Chauncey Parson, New York city.
93,740.—TREADLE.—C. Chauncey Parson, New York city.
93,741.—THRILL COUPLING.—S. W. Perkins, Geneseo, Ill.
93,742.—COAL STOVE.—Jacob S. Platt, Philadelphia, Pa.
93,743.—TUCK-CREASING ATTACHMENT FOR SEWING MACHINES.—Wm. Preiss, New York city.
93,744.—LAMP BURNER.—Perry Prettyman, Paradise Spring Farm, Oregon.
93,745.—STEAM GENERATOR.—Jonathan Quipp and Robert Law, Buffalo, N. Y.
93,746.—TINSMITHS' SHEARS.—Ellery P. Ralph and James Hannan, Gallipolis, Ohio.
93,747.—COMBINATION LOCK.—Nicholas Reed, Otisville, N. Y.
93,748.—BUTTON.—John L. Remlinger, Providence, R. I. Antedated August 12, 1869.
93,749.—CULTIVATOR.—John J. Rose, Elmwood, Ill.
93,750.—HORSE HAY FORK.—John W. Roe, Lewisburg, Pa.
93,751.—VELOCIPEDE.—S. H. Sawhill, Cambridge, Ohio.
93,752.—EXPLOSIVE COMPOUND FOR USE IN FIREARMS, BLASTING, etc.—Taliaferro P. Shaffner, Louisville, Ky.
93,753.—EXPLOSIVE COMPOUND.—Taliaferro P. Shaffner, Louisville, Ky.
93,754.—EXPLOSIVE COMPOUND.—Taliaferro P. Shaffner, Louisville, Ky.
93,755.—BLASTING FUSE.—Taliaferro P. Shaffner, Louisville, Ky.
93,756.—MANUFACTURE OF NITRO-GLYCERIN.—Taliaferro P. Shaffner, Louisville, Ky.
93,757.—METHOD OF BLASTING WITH GUNPOWDER AND OTHER EXPLOSIVE SUBSTANCES.—Taliaferro P. Shaffner, Louisville, Ky.
93,758.—MAKING CAST STEEL.—Charles William Siemens, Westminster, England.
93,759.—DEVICE FOR SHIFTING BUGGY TOPS.—W. B. Slutter, Warsaw, Ind.
93,760.—TOY TOP.—Thomas E. Sparks, Norwich, Conn.
93,761.—ADJUSTABLE CLUTCH FOR LIFTING WELL TUBING.—Wm. A. Spring, Titusville, Pa.
93,762.—SEEDING MACHINE.—John Stark, Thomasville, Ga.
93,763.—CAMERA STAND.—Isaac H. Stoddard, Amenia, assignor to E. and H. T. Anthony and Company, New York city. Antedated August 12, 1869.
93,764.—FURNACE FOR STEAM GENERATORS.—Friedrick Sulter, St. Paul, Minn.
93,765.—HARVESTER.—Lorenz Swenson, North Cape, Wis.
93,766.—FASTENER FOR WHIP SOCKETS.—O. W. Swift, New Haven, Conn.
93,767.—WATER WHEEL.—S. D. Taylor, Hazleton, Pa.
93,768.—CURD GRINDER.—C. W. Terpening, Geneseo, Ill.
93,769.—CAR WHEEL.—W. R. Thomas, Catawauqua, Pa.
93,770.—TRUSS FOR CONNECTING BOOMS TO MASTS.—James E. Tibbetts, Trenton, N. J.
93,771.—COMBINED WATER TANK AND WARMING CLOSET.—Joel Tiffany, Albany, N. Y.
93,772.—OILER FOR THE SLIDES OF STEAM ENGINES.—Christopher C. Tracy (assignor to himself and James E. Grannis), New York city.
93,773.—CHAIR, TABLE, AND STAND COMBINED.—Abigail W. Viles, Elkhorn, Wis.
93,774.—WATER WHEEL.—P. H. Wait, Sandy Hill, N. Y.
93,775.—KINDLING WOOD.—J. Wesley Webber, New York city.
93,776.—MANUFACTURE OF FLOOR OIL-CLOTH.—John Weems and Wm. Weems, Johnstone, Great Britain.
93,777.—HORSE RAKE.—Thomas J. West, Alfred Center, N. Y.
93,778.—HORSESHOE MACHINE.—Charles P. Williamson, Louisville, Ky.
93,779.—RAILWAY STOP CHAIR.—John A. Wilson, Altoona, Pa.
93,780.—PEN HOLDER.—Charles G. Wilson, Brooklyn, N. Y.
93,781.—STOVE AND FURNACE GRATE.—George A. Wing, Albany, N. Y.
93,782.—BASE-BURNING STOVE.—George A. Wing, Albany, N. Y.
93,783.—HAT-SHAPING MACHINE.—Samuel Wing, Munson, Mass.
93,784.—QUILTING FRAME.—George C. Winters (assignor to himself and Edwin Miller), Winfield, Mich.
93,785.—PEPPER CASTER.—Ferdinand Wolf (assignor to himself and Henry Hanf), South Boston, Mass.
93,786.—CARRIAGE JACK.—Joseph E. Woll, Allegheny City, Pa.
93,787.—SAWING MACHINE.—Hollis Woodward, Milwaukee, Wis. Antedated August 5, 1869.
93,788.—COCK-EYE FOR HARNESS.—Lyndon Worster, Syracuse, N. Y.
93,789.—FLEXIBLE WAINSCOT.—John F. Worth, Brooklyn, N. Y.
93,790.—FEED-WATER HEATER.—Peter C. Wortman, Meadville, Pa.
93,791.—CARRIAGE.—Benjamin F. Adams, Bangor, Me.
93,792.—BUCKLE.—Theodore Bailey, Fairfax county, Va., and Howard H. Young, Washington, D. C.
93,793.—CHAIN STOPPER.—William D. Barker, East Abington, Mass.
93,794.—PUMP.—A. Balding, Memphis, Tenn.
93,795.—APPARATUS FOR CARBURETING AIR.—J. F. Barker, Springfield, Mass., and C. N. Gilbert, New York city.
93,796.—EXCAVATOR.—H. H. Beard, deceased, Friar's Point, Miss. (W. J. St. John administrator.)
93,797.—METALLIC REMEDY FOR RHEUMATISM.—Moses Bernheim, New York city.
93,798.—FRICTION CLUTCH.—Erastus B. Bigelow, Boston, Mass.
93,799.—HARNESS-OPERATING MECHANISM FOR LOOMS.—Erastus B. Bigelow, Boston, Mass.
93,800.—POWER LOOM FOR WEAVING PILED FABRICS.—Erastus B. Bigelow, Boston, Mass.
93,801.—STEADY REST FOR LATHES.—James Brodie, San Francisco, Cal.
93,802.—SODA-WATER APPARATUS.—J. R. Brown, New Haven, Conn.