Scientific American.

Necent American and Loreign Latents.

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

SELF-ACTING SHACKLE AND CAR BRAKE. - Lyman Alphonzo Russell, Shrewsbury, Vt.-This invention relates to improvements in self-acting shackles and car brakes, and consists in an improved connection of the brakes with the shackle, for automatic operation, whereby the connection may be readily so adjusted that the brakes will not be set in action as when required to back up the train.

FEED BAGS FOR HORSES .- W. A. Hongh, South Butler, N. Y. - This invention relates to a new and useful improvement in feed bags for horses, and consists in making the bag self-supplying, by means of one or more reservoirs, the discharge orifices of which reservoirs are closed by a valve or valves.

TRUSS.-Adam Hinoult, Montgomery, N. Y.-This invention has for its object to furnish an improved truss, which shall be so constructed as to yield freely to the various movements of the body of the wearer, whileholding the rupture securely in place.

GOVERNOR FOR STEAM ENGINES .- Charles A. Conde, Indianapolis, Ind. This invention relates to a new method of regulating the movement of the balls of asteamgovernor, with a view of adjusting the same in proportion to the increased or diminished centrifugal force.

CIRCULAR SAW GUARD. -G. W. Shipman, Ischua, N. Y.-This invention relates to a new and useful improvement in means for protecting the operator and others, near running circular **bows**, from injury, and it consists in a movable guard, operated by means of the saw carriage, in such a mannel that, during the period of danger (when the saw is not cutting), the guard covers the saw, and is thrown back from the saw when the latter is in actual use.

CARPET-CLEANING MACHINE .- J. C. Craft, Baltimore, Md. - This inven tion relates to a machine, through which a carpet may be passed, and so beaten and brushed, during its passage, asto come out of the machine thor oughly cleansed. The invention consists in the peculiar construction and arrangement of beaters and brushes for effecting this result.

COMBINED COTTON AND CORN PLANTER.-L. A. Perrault, Natchez, Miss.-This invention relates to improvements in machinery for planting seed, and consists in a combination, in one machine, of a seed-dropping apparatus, adapted for corn, and another adapted for cotton, in a manner to utilize one running gear for the two kinds of seed, and thereby save the expense of separate gear for each.

LIME KILN.-T. A. Kirk, Kansas City, Mo.-This invention has for its object to furnish an improved lime kiln, which shall be so constructed as to enable the kiln to be worked from the front, in firing and in drawing the lime and ashes, which will not allow cold or unburnt rock to pass through, and which will consume its own smoke.

CAR BRAKE.-S. D. Tripp, Lynn, and Luther Hill, Stoneham, Mass.-This invention relates to improvements in railroad car brakes, and consists in an arrangement, on the locomotive or tender, of a steam cylinder and piston, and the arrangement, on the cars, in connection with the brakes, of sliding rods, so that the rod of the car next to the engine or tender, being moved backwards by the piston rod of the above cylinder, will bring the brakes of the rear wheels down upon them, as well as the brakes of the tender, and slacken the speed thereby, so that the rear projecting end of the brake rod will come in contact with the rod of the next car, and set its brakes in action in like manner, and so on, throughout the train. The arrangement of the said brake actuating rods is such that no matter which end of the car is foremost, the wheels of one track will be acted on by the brakes.

COMBINED RULER, BLOTTER, AND PAPER CUTTER.-Hugh S. Ball, Spartanburgh, S. C.-This invention relates to a new and useful imrovement in a combined ruler, blotter, and paper cutter, three articles indispensable for the desk, combined in one.

REED FOR ORGANS AND MELODEONS .- Augustus Newell, Chicago, Ill. The object of this invention is to so construct the tongue-butts, or shanks, of musical reeds, that the same cannot, during the vibratory motion of the tongues, be raised from their seats.

ANTI-FRICTION COMPOUND .- Victory Purdy, Poughkeepsie, N. Y .- This nvention relates to a new and useful compound for lubricating railroad car axle journals, and other journal bearings.

Queries.

[We present herewith a series of inquiries embracing a variety of topics of greater or less general interest. The questions are simple, it is true, but we prefer to elicit practical answers from our readers, and hope to be able to make this column of inquiries and answers a popular and useful feature of the paper.]

1.-EMERY WHEELS.-Can I make emery wheels similar to those used in a foot lathe, that will answer for sharpening fine tools, such as gouges. rounds, andhollows, and if so, how shall I proceed ?-F. W.

2.—BOILER FURNACE.—Ihave two boilers, twenty-four feet long and four feet in diameter each, with five ten-inch flues. The fire passes under the boiler, and enters the flues at the back end, passes through the flues, and enters the smoke stack at the front end. I use hard pine wood for fuel. Will some of your many readers give me the best way of constructing the fluc under the boiler, from the end of the grate bars to where it enters the flues at the back end, and also state the proper distance from the back wall to the end of the boiler ?-- N. H.

3.-MEDAL CASTS.-I have some medals which I should like to copy. Having tried several times, and failed, I thought that I would ask advice through your query columns. I do not know of what the medals are manufactured. They are, I suppose, made to imitate bronze. I have tried casting them in plaster of Paris molds, but have had very poor success, as the surface of the medals was covered with small holes. The metal used was lead and antimony, seven to one. I should like to know, if 112,349.—APPARATUS FOR REMOVING OIL FROM VEGETABLE have tried casting them in plaster of Paris molds, but have had very poor success, as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How and the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The: Iso Lapron How and the surface of the medals was covered with small holes. The: Iso Lapron How as the surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with small holes. The surface of the medals was covered with the medals was covered with the surface of the medals was covered with the surface of the medals was covered with the medals was covered with the surface of the medals was covered with the medals w

340.-SCREW PROPELLER CANAL BOATS.-Thomas Main, Pierpoint, N. Y. February 9, 1871. 362-FLYER FOR SPINNING'MACHINERY.-Thomas Mayor and Geo. Chat-terton, Providence, R. I. February 14, 1871.

373.—TELEGRAPHIC APPARATUS AND DETECTORS.—W. B. Watkins, Jersey City, N.J. February 14, 1871.

381.—STEAM AND OTHER SAFETY VALVES.—Walter Dawson, Scranton, Pa. February 15, 1871.

383.--IRON RAILS AND BARS, AND MODES OF MANUFACTURING THE SAME Eldridge Wheeler, Philadelphia, Pa. February 15, 1871.



Reported Officially for the Scientific American.

SCHEDULE OF PATENT FEES

On each Caveat	
On each Trade-Mark	
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n issuing each original Patent	
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For Copy of Claim of any Patent issued within 30 years.... A sketch from the modelor drawing, relating to such portion of a machine as the Claim covers, from

MUNN & CO., Patent Solicitors. 37 Park Row, New York,

112,309.-Hose Sprinkler.-William Anderson, San Francisco, Cal. 112,310.—Locomotive Spark Arrester.—J. G. Armstrong,

112,310,—LOCOMOTIVE SI ANN MARKERS' USE.—George Atkinson, San Francisco, Cal.
112,311.—TOOL FOR CARRIAGE MAKERS' USE.—George Atkinson, San Francisco, Cal.
112,312.—POTATO PROBE.—John A. Beal, Waterford, N. Y.
112,313.—HINGE FOR CARRIAGE DOORS.—George W. Beers,

Bridgeport, Conn. 112,314.—STOVE LEG.—James Birckhead, Jr., Baltimore, Md. 112,315.—CLOTHES PIN.—Orris A. Bishop, Chicago, III.

112,316.—MANUFACTURE OF ROCHELLE SALTS AND BORAX.—
 V. G. Bloede, Brooklyn, N. Y.
 112,317.—BEEHIVE.—Felix Brewer, Waynesville, Mo.
 112,318.—THILL COUPLING.—Theodore Burr (assignor to Allen Muir and Henry Muir) Battle Creek Mich

Muir and Henry Muir), Battle Creek, Mich.
 112,319.—EVAPORATING PAN FOR SACCHARINE LIQUIDS.—F. C. Butler, Bellows Falls, Vt., assignor to himselfand James B. Williams, Glastonbury, Conn.
 112,320.—DOOR SECURER.—William H. Caldwell, Wheeling, W V.

W. Va. 112,321.—TOE-CALK BAR.—R. B. Caswell, Springfield, Mass.

Antedated March 2, 1871. 112,322.—GLASS FLATIENING FURNACE AND LEER.—James Chabby, Lenox, Mass. 112,323.—SPRING BED BOTTOM.—Alex. Cole, Manamuskin, 112,410.—MACHINE FOR HEADING BOLTS AND SPIKES.—Rein-

112,324.—WATER WHEEL.—E. E. Coleman, West Cumming-

ton, Mass 112,325.— TOY HORSE AND CARRIAGE.— John B. Cuzner, Bridgeport, Conn. 112,326.— MACKEREL-LINE HOLDER.— E. L. Decker, Southport,

Me. 112,327.—SEWING MACHINE.—J. William Dufour, Stratford,

112,328.-STEAM BOILER.-Edwards Evans, North Tonawanda,

112,329.-MEDICAL COMPOUND FOR CURE OF CATARRH AND ASTHMA.-Erastus Field, Ostrander, Ohio. 112,330.-MACHINE FOR GRINDING THE CUTTERS OF MOW-

ERS. ETC -H. C. Fisk, Wellsville, N. Y 12,331.—MACHINE FOR MAKING HOOKS AND EYES.—Jeremy T. Ford, San Francisco, Cal. 112,332.—CHURN.—Thompson Freeman, Westfield, Ill.

112,333.—ATTACHMENT FOR REVOLVING MOLD BOARDS FOR PLOWS.—J. S. Godfrey, Leslie, Mich., assignor to himself and S. M. Lov-eridge, Pittsburgh, Pa.
 112,334.—GRAIN CLEANER AND FERTILIZER SIFTER.—J. A. Green, Mill Dale, Va.
 112,335.—SCREW PROPULSION.—E. C. Gregg (assignor to A. H. CRORD CREATER AND N. N. Y.

Gregg and C. P. Gregg), Tremansburg, N. Y. 112,336.—SEEDING MACHINE.—P. M. Gundlach, Belleville,

112,337.-COMPOUND FOR KINDLING FIRES.-J. L. Hannum and S. H. Stebbins, Berea, Ohio. 112,338.—LAWN MOWER.—Benjamin Harnish, Lancaster, and D. H. Warnish, Pequea, Pa.

112,420.—OTERA DINGRAD MACHINE.—J. C. Craft (assignor to bimselt and Antonio Rosello), Baltimore, Md.
112,421.—CARPET-CLEANING MACHINE.—J. C. Craft (assignor to bimselt and Antonio Rosello), Baltimore, Md.
112,422.—STEAM REGULATOR FOR PAPER DRYERS.—Daniel Crosby, Hampden, Me.
112,423.—METALLIC PISTON AND VALVE ROD PACKING.—G M. Cruickshank, Providence, R. I.
112,424.—GRAIN-THRASHING AND SEPARATING MACHINE.—John Culham, Grand Rapids, Mich. Antedated Feb. 25, 1971.
112,425.—COOKING STOVE.—David Curtis, Mishawaka, assignor to himself and C. B. Graham, South Bend, Ind.
112,426.—LIGHTNING ROD.—S. D. Cushman, New Lisbon, Ohio. 112,339.—Composition for Pavements.—C. B. Harris, New

Yorkeity. Antedated February 25, 1870. 112,340,—Spring for Vehicles.—John R. Hiller, Woodland,

112,341.—HARVESTER RAKE.—S. T. Holly, (assignor to John P. Manny), Rockford, Ill. 112.342.—Door CLAMP.—Henry O. Hooper, Diamond Springs,

112,343.-TAPER HOLDER.-Thomas W. Houchin, Morrisania,

112,344.-METALLIC GARTER.-Henry A. House, Bridgeport,

112,345.—BOBBIN WINDER.—Henry A. House, Bridgeport, 112,346.-METHOD OF KNITTING STOCKINGS, ETC.-Henry A.

House, Bridgeport, Conn. 112,347.—APPARATUS FOR EVAPORATING AND CONCENTRAT-

ING LIQUIDS .--John Howarth, Salem, Mass Antedated March 1, 1871

112,369.—PROPELLING CANAL BOATS.—H. B. Meech, Fort Edward, N.Y. Antedated February 25,1871.
 112,370.—WATER-PROOF COMPOUND FOR COATING CLOTH WOOD, METALS, ETC.—PeterE. Minor, Schenectady, N. Y.
 112,371.—COOKING STOVE.—W. N. Moore, Neenah, Wis.
 112,372.—BORING MACHINE.—J. H. Pardieck(assignor to him-self and S, M. Brown), Acton, Ind.
 112,373.—VAPOR BURNER.—R. W. Park, Philadelphia, Pa.
 112,374. MACHINE DON BUNNER REINE, TRANS. CHARMETER PROVIDER (1997)

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112,374.—MACHINE FOR POINTING BLANKS FOR CULTIVATOR TEETH.—John Pedder and George Abel, West Pittsburgh, Pa. 112,375.—BALE TIE.—J. E. Perkins, San Francisco, Cal.

112,376.—LINING WALLS WITH FELT, ETC.—James Phillips,

Chicago, III. 112,377.—CGOKING STOVE.—Samuel Pierce, Boston, Mass. 12,378.—TACK.—A. A. Porter, New Haven, Conn. Antedated Feb. 25, 1871.

Feb. 25, 1871.
112,379.—MACHINE FOR SHAPING AND CUTTING GEAR CUTTERS.—F. A. Pratt (assignor to the Pratt & Whitney Company), Hartford, Conn.
112,380.—COMBINATION CAMERA AND DEVELOPING BOX.—E C. Ratzell, Philadelphia, Pa.
112,381.—PUNOHING MACHINE.—J. C. Rhodes, South Abington, Mass.
112,382.—WASHING MACHINE.—J. W. Ricker, Chelsea, Mass
112,383.—CURTAIN FIXTURE.—Charles Robin, Chester, Conn
112,384.—MACHINE FOR MAKING PRINTERS' LEADS.—Isaac Schoenberg, New York city.

Schoenberg, New York city.
112,385.—SLIDE VALVE FOR STEAM RIVETING MACHINES.— Coleman Sellers (assignor to William Sellers & Co.), Philadelphia, Pa.
112,386.—MACHINE FOR POLISHING THREAD.—Samuel Semple, Sr.. John Semple, Samuel Semple, Jr., and R. A. Scmple, Mount Holly, N. J.

ple, Sr., John Semple, Samuel Semple, Jr., and K. A. Semple, Addition Molly, N. J.
112,387.—PAINT BRUSH.—F. S. Shearer, Washington, Ill.
112,388.—BEE HIVE.—S. A. Short, F. J. Short, J. B. Short, and Jasper Kile, Decatur, Ala.
112,389.—APPARATUS FOR REMOVING OIL FROM VEGETABLE AND OTHER MATTER. -Thomas Sim, Baltimore, Md.
112,390.—RETORT FOR PRODUCING BISULPHIDE OF CARBON. -Thomas Sim, Baltimore, Md.
112,391.—UTILING THE SLIKY DOWN OF THE WILD COTTON. M. H. Simpson, Boston, Mass.
112,392.—PRUNING SHEARS.—Frank Smiley, Batavia, N. Y.
112,393.—WATER-CLOSET VALVE.—A. J. Smith, San Francisco, Cal.

112,394.—GANG PLOW.—J. W. Sursa, San Leandro, Cal. 112,395.—GRINDING PAN AND AMALGAMATOR.—W. H. Thoss,

West Point. Cal.

112,396, STREET LANTERN.—Augustus Tufts, Malden, Mass. 112,397.—COOKING STOVE.—Alvin Warren, Swanton, Ohio.

112,398.—SAFETY BRIDLE.—James Weatherhead, San Jose,

112.399.—FIRE GRATE.—George Wellhouse, Akron, Ohio.

112,400.—HAY KNIFE.—G. F. Weymouth, Dresden, Me.

112,401.—CLAW BAR.—Charles Winter, Chillicothe, Ohio. 112,402.—STEAM GENERATOR.—J. C. Woodhead, Pittsburgh,

112,403.—ANIMAL TRAP.—W. D. Wrightson, Queenstown,

Lagland. 112,404.—BRUSH.—John Ames, Lansingburg, N. Y.

112,405.—CLOD FENDER.—F. L. Bailey, Freeport, Ind.
112,406.—RULER.—H. S. Ball, Spartanburg, S. C.
112,406.—RULER.—H. S. Ball, Spartanburg, S. C.
112,407.—FANNING MILL.—Benjamin Barney, Time, Ill.
112,408.—ICE-CUTTING MACHINE.—Lafayett Barnum (assignor to himself and A. R. Hale), Bridgeport, Coan.
112,409.—MANUFACTURE OF ICE.—T. J. Bigger, Kansas City, Mo.

112,410.—MACHINE FOR HEADING BOLIS AND SPIRES.—Refin-hold Boeklen, Brooklyn, N. Y., assigner to himself and Henry Torstrick, New York city. Antenated Feb. 28, 1871.
112,411.—WASHING MACHINE.—Joseph Boswell, L. M. Bosweil, Yonathan Paliner, and J. H. James (assignors to themselves and Thomas Starbuck), Withington, Ohio.
112,412.—WATER WHEEL.—E. C. Boyles, New York city.
112,413.—COTTON PRESS.—R. M. Brooks, Pike county, Ga.
112,414.—PAPER-CUTTING MACHINE.—Sumuel Brown (assigned)

112,413.—COTTON FRESS.—R. M. Brooks, Fike county, Ga. 112,414.—PAPER-CUTTING MACHINE.—Samuel Brown (as-signor to himself and C. R. Carver), Philadelphia, Pa. 112,415.—GOVERNOR FOR DIRECT-ACTING ENGINES.—A. S. Cameron, New York etty. 112,416.—GOVERNOR FOR DIRECT-ACTING ENGINES.—A. S.

Cameron, New York city. 112,417.—BUTT HINGE.—J. W. Carleton (assignor to the Union Manufacturing Co.), New Britain, Conn. 112,418.—MACHINE FOR CUTTING SHEET METAL.—C. R.

Choate, Fast Saginaw, Mich. 112,419.—Birt BRACE.—William Cleveland, Lawrence, Mass., assignor to himself and James Swan, Seymour, Conn. 112,420.—STEAM ENGINE GOVERNOR.—C. A. Condé, Indian-

Ohio. 112,427.—HOSE BRIDGE.—Patrick Daily (assignor to himself and J. J. Kehoe, New York city. 112,428.—COVER FOR OPENINGS IN SIDEWALKS.—William Dale, New York city. III. O. D. showner, Dhilodolphia

112,429.—ROTARY PUMP.—F. O. Deschamps, Philadelphia,

112,430.-MACHINE FOR CUTTING FILES.-James Dodge,

Machester, Egland, asignorto David Blake, Spencertown, N. Y. 112,431.—COUPLING FOR RAILWAY CARS.—Henry Dubs and S. G. Goodall-Copestake, Glasgow, Great Britain. 112,432.—TOBACCO PIPE.—P. J. Dwyer, Elizabethport, N. J. 112,433.—BASKET FOR HOUSE PLANTS.—Albert P. Eastman, Washington, D. C.

112,434.—SULKY PLOW.—Milo A. Elliott, Stratford Hollow,

112,435.—STRETCHER FOR PAINTINGS.—James Fairman, New

ork city

blis, Ind. 21.—CARPET-CLEANING MACHINE.—J. C. Craft (assignor

color by some solution. Also, of what should I make my molds?-J. E. M.	112,351.—CHANDELIER.—Charles F. Jacobsen, New York	port, Con.
4.—Removing the Taste of Tar from Rain Water.—	! city.	112,439.—SHOE.—Samuel W. Francis (assignor to himself
Will some of your correspondents tell me if rain water, which runs off a		and W. H. Newton), Newport, R. I. 112,440,—GUARD-FINGER FOR HARVESTERS,—George Fyfe
gravel roof, and tastes very strongly of tar, is unhealthy, and if there be any-	112,353MACHINE FOR CUTTING LEATHERAberdeen Keith,	and Chester Hard, Ottawa, Ill.
thing that will prevent its tasting, as it is very disagreeable for cooking		112,441.—DINING TABLE.—S. R. Gardner (assignor to himself
purposes ?—C. E. H.	112,354.—ATTACHING KNOBS TO THEIR SPINDLES.—John F.	and S. M. Marquette), Independence, Iowa.
5.—SORGHUM MOLASSES.—How can I separate the molasses	Keller and Nathaniel Sehner, Hagerstown, Md.	112,442.—STEP LADDER.—M. Boland Geary, New York City.
1	112,000, MITER MINIME1. E. Ring, Doston, Mass,	112,443.—OILCLOTH PRINTING MACHINERY. — Ebenezer A.
from the sugar, in sorghum sugar mush, to make a dry merchantable sugar?	112,356.—TAKE-UP FOR CORSET LOOMS.—Julius Kuttner, New York city.	Goodes (assignor to Philadelphia Patent and Novelty Company), Phila- delphia, Pa.
6.—FLUX FOR ALUMINUM.—Will some of your readers tell	112,357.—ELEVATOR AND CARRIER.—T. W. Lackore, Worth,	112,444.—TENONING MACHINE.— Lyman Gould, Norwich,
me, through your columns, the best flux to use in melting and mixing alu-	1 11	Conn.
minum and copper?	112,358.—Apparatus for Burning Hydrocarbon Oils.—	112,445.—PRINTER'S CASE.—Wm. H. A. Gresham, Atlanta,
minum und copport.	James R Lee GrassValley Cal	v ua.
	112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio.	112,446.—LAMP CHIMNEY.—Geo. W. Griswold, Factoryville
Inventions Patented in England by Americans.	112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson,	112,446.—LAMP CHIMNEY.—Geo. W. Griswold, Factoryville Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson
Inventions Patented in England by Americans. [Compiled from the Commissioners of Patents' Journal.]	112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio.	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich.
[Compiled from the Commissioners of Patents' Journal.]	112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill.	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider
	112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER.—J. P. Manny, Rockford, Ill.	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph, Mo.
[Compiled from the Commissioners of Patents' Journal.] APPLICATIONS FOR LETTERS PATENT. 350.—BRERCH-LOADING FIRE-ARMS.—Eli Whitney, New Haven, Conn.	 112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,363.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph. Mo. 112,449.—BIPD CAGE — Gottlob Funther New York city
[Compiled from the Commissioners of Patents' Journal.] APPLICATIONS FOR LETTERS PATENT. 350.—BRERCH-LOADING FIRR-ARMS.—Eli Whitney, New Haven, Conn. February 10, 1671.	 112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,363.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,364.—CHEESE CURD SINK.—H. C. Markham, Collinsville, N. Y. 	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph. Mo. 112,449.—BIRD CAGE.—Gottlob Gunther, New York city. 112,450.—STOP COCK AND VALVE.—William Haas, New York
[Compiled from the Commissioners of Patents' Journal.] APPLICATIONS FOR LETTERS PATENT. 350.—BRERCH-LOADING FIRE-ARMS.—Eli Whitney, New Haven, Conn. February 10, 1871. 352.—GOVERNOR.—Stilliman B. Allon, —, Mass. February 10, 1871.	 112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,363.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,364.—CHEESE CURD SINK.—H. C. Markham, Collinsville, N. X. 112,365.—MOWING MACHINE.—H. C. Markham and Dewitt C. 	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph. Mo. 112,449.—BIRD CAGE.—Gottlob Cunther, New York city. 112,450.—STOP COCK AND VALVE.—William Haas, New York city. 112,451.—VALVE FOR STEAM ENGINES.—Joseph L. Harley,
[Compiled from the Commissioners of Patents' Journal.] APPLICATIONS FOR LETTERS PATENT. 350.—BREECH-LOADING FIREARMS.—Eli Whitney, New Haven, Conn. February 16, 1871. 352.—GovERNOR.—Stilliman B. Allen, —, Mass. February 10, 1871. 357.—WINDHLL.—A, P. Brown, New York city. February 11, 1871.	 112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,363.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,364.—CHEESE CURD SINK.—H. C. Markham, Collinsville, N.Y. 112,365.—MOWING MACHINE.—H. C. Markham and Dewitt C. Markham, Collinsville, N.Y. 	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph, Mo. 112,449.—BIRD CAGE.—Gottlob @unther, New York city. 112,450.—STOP COCK AND VALVE.—William Haas, New York city. 112,451.—VALVE FOR STEAM ENGINES.—Joseph L. Harley, Palimera Md. and YangsPardrich, Geogradown D. C.
[Compiled from the Commissioners of Patents' Journal.] APPLICATIONS FOR LETTERS PATENT. 350.—BREECH-LOADING FIRE-ARMS.—Eli Whitney, New Haven, Conn. February 19, 1871. 352.—GOVERNOR.—Stilliman B. Allen, —, Mass. February 10, 1871. 357.—WINDMILL.—A. P. Brown, New York city. February 11, 1871. 352.—FURNITURE CASTERS.—F. A. Gardner and H. S. Turrell, Danbury,	 112,359.—BURGLAR ALARM.—Robert Lee, Cincinnati, Ohio. 112,360.—TELEGRAPH APPARATUS.—L. T. Lindsey, Jackson, Tenn. 112,361.—HARVESTER.—J. P. Manny, Rockford, Ill. 112,362.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,363.—HARVESTER RAKE.—J. P. Manny, Rockford, Ill. 112,364.—CHEESE CURD SINK.—H. C. Markham, Collinsville, N.Y. 112,365.—MOWING MACHINE.—H. C. Markham and Dewitt C. Markham, Collinsville, N.Y. 112,366.—PROFELLER.—Alex. J. Marshall, Warrenton, Va. 	Pa. 112,447.—GRAIN SEPARATOR.—Philander Griswold, Hudson Mich. 112,448.—CLAMP FOR THILL COUPLINGS.—John W. Guider (assignor to himself and John Kiefer), St. Joseph, Mo. 112,449.—BIRD CAGE.—Gottlob @unther, New York city. 112,450.—STOP COCK AND VALVE.—William Haas, New York city. 112,451.—VALVE FOR STEAM ENGINES.—Joseph L. Harley, Palimera Md. and YangsPardrich, Geogradown D. C.
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112,454.—POST-HOLE DIGGER.—Bryant B. Herrick, Decatur,

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- Mich. 112,455.—DOOR CHECK.—Levi S. Hicks (assignor to himself, J. Perrin Johnson, and John Buell), Peoria, III. 112,456.—RAILWAY-CAR BRAKE.—Luther Hill, Stoneham, and Seth D. Tripp, Lynn, Mass. 112,457.—TRUSS.—Adam Hinoult, Montgomery, N. Y. 112,458.—FEED BAG FOR HORSES.—Walter A. Hough, South Butter, N. Y.

- Butler, N. Y. 112,459,—SHADE HOLDER FOR LAMPS—Mark W. House,
- 112,459.—SHADE HOLDER FOR LAMPS— Mark W. House, Cleveland, Ohio.
 112,460.—LAMP CHIMNEY.—Mark Wiggins House (assignor to the Cleveland Non-Explosive Lamp Company) Cleveland, Ohio. Antedated March 1. 1871.
 112,461.—HOUSE HAY RAKE.—James Howard and E. T. Bous-field, Bedford, England.
 112,462.—TONGS FOR ROLLING BARRELS.—Mark W. Ingle, Indianapadis. Ind.
- Indianapolis, Ind. 112,463.—PITMAN.—George W. Jayson, Lodi, Ohio.
- 112,464.—PASTE FOR PAPER HANGINGS.—John Jones (as-signer to hinkelf and Henry A. Smith), New York city. 112,465.—Tw:NE Holder.—Edward M. Judd, New Haven, Ct.
- 112,466.—CLOTHES PIN OR CLASP.—Amos L. Keeports and William Yount, Littletown, Pa. 112,467.—PUTTING UP HAMS.—Samuel Edward Kelly, Phila-

- 112,467.—PUTTING UP HAMS.—Samuel Edward Kelly, Philadelphia, Pa.
 112,468.—LIMN KILN.—Thomas A. Kirk, Kansas City, Mo.
 112,469.—FASTENING FOR SEATS FOR WAGONS OR SLEIGHS.— John G. Knapp and John F. Robertson (assignors of one third their right to James H. Weily), Warwiek, N. Y.
 112,470.—POTATO PLANTER.—George Knowlton (assignor for one-half his right to N. Haynes), Johnstown, Pa.
 112,471.—REVOLVING FIREARM.—Edwin S. Leaycroft, Brooklyn, N. Y., assignor by mesne assignment, to "Colt's Patent Fire-Arms Manufacturing Computy," Hautrond, Conn.
 112,472.—REVOLVING FIREARM.—Edwin S. Leaycroft, Brooklyn, N. Y., assignor, by mesne assignment, to "Colt's Patent Fire-Arms Manufacturing Company," Hartford, Conn.
 112,473.—RAUROAD CATTLE-GUARD GATE.—J. H. Mallory, LaPorte, Ind.

- La Porte, Ind. 112,474.—BACK-REFLECTING MIRROR.—Richard Mason (as
- 112,474.—BACK-REFLECTING MIRROR.—Richard Mason (assignor to himself and Matthew Ely), Newark, N. J.
 112,475.— VENTILATOR AND CHIMNEY TOP. James Mc-Gowan (assignor to himself and Daniel H. Waring), New York city
 112,476.— APPARATUS FOR RECTIFYING AND REFININC SPIRITS.—Fr derick Meakey (assignor to himself and Henry D. Fling), Philadelphia, Pa.
 112,477.—TIN CAN.—Join F. Merrill (assignor to himself and Alexander Stewart), Cincinnati, Ohio.
 112,478.—TARE-UP MECHANISM FOR LOOMS.—John Michna and Josenh Fischer, New York city.
- and Joseph Fischer, New York city. 112,479,-COMBINED BAKER AND BROILER.-Wm. H. Miller,
- ndenburg, 112,480.—SHUTTLE FOR SEWING MACHINES.—James D. Moore, Grinnell, Iowa. 112,481.—COTTON CHOPPER AND GRAIN CULTIVATOR.—Daniel
- Mosely, Osark, Arkansas. 112,482.—SAD AND FLUTING IRON.—Frederick Myers, New
- 112,482.—SAD AND FLUTING IRON.—FIGUEIER MYEIS, New York city.
 112,483.—REED FOR ORGANS AND MELODEONS.—Augustus Newell, Chicago, III.
 112,484.—STRAW CUTTER.—Amon Park, Germanville, Iowa.

- 112,485.— APPARATUS FOR AGING TAR, Germanvine, Jowa,
 112,485.— APPARATUS FOR AGING WHISKY AND OTHER SPIRITS.—Josiah Pei fer and Samuel Richards, Valonia, Pa.
 112,486.—COMBINED, COTTON AND CORN PLANTER.—Louis A. Perrault (assignor to himself and Joseph Huber), Natchez, Miss.
 112,487.—FAUCET.—Solomon Pfleger, Reading, assignor to himself and J. S. Pfleger, Tamaqua, Pa.
 112,488.—TREADLE.—George K. Proctor, Salem, Mass.
 112,489.—LUBRICATING COMPOUND.—Victory Purdy, Pough-transie N. V.
- keepsie, N. Y
- CAN will be delivered in every part of the city at \$3:50 a year. Single copies for sale at the News-stands in this city, Brooklyn, Jersey City, and Williams-
- for subscriptions, a receipt for it will be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona-fide

medium cannot be over-estimated. Its circulation is ten times greater than that of any similar journal now pub lished. It goes nto all the States and Territories, and is read in all the princ pal libraries and reading-rooms of the world. We invite the attention of those who wish to make their business known to the annexed rates. A business man wants something more than to see his adver-tisement in a printed newspaper. He wants circulat on. It it is worth 25 cents per line to advertise in a paper of three thousand circulation, it is worth \$2.50 per line to advertise in one of thirty thousand.

line, by measurement, as the letter. press.

112,490.—FERTILIZER AND SEEDING MACHINE.—Archibald Putnam (assignor to Elizabeth Putnam), Owego, N. Y. 112,491.—ROTAKY PUMP.—George W. Putnam, South Glens Falls, N. Y. 112,492.—HAT BRUSH.—Robert Dunbar Radcliffe, Palmyra,

- N. 1 112,493.—REFRIGERATING SHOW CASE.—Thomas L. Rankin, Lyndon, Kansas, assignor to himself and D. W. Rockwell, Elyria, Ohio. 112,494.—DEVICE FOR STARTING AND STOPPING CARS.— Philip Rhoads, Carlisle, Pa. 112,445. Drpp November M. Starting Computer Starting C
- 112,495.—PIPE-MOLDING MACHINE.—George Richardson, Mil-walkee, Wis. 112,496.-SULKY CULTIVATOR.-Richard B. Robbins, Adrian,

- Mich. 112,497.—HAND PLOW.—Nelson Rue, Harrodsburg, Ky. 112,493.—MECHANICAL MOVEMENT.—Edward G. Russell, Ra-vena, Ohio. 112,499.—RAILWAY CAR BRAKE.—Lyman Alphonzo Russell, shrewsbury, Vt. 112,500.—STOVEPIPE CLEANER.—David Sanford, Ashton, III. 112,500.—STOVEPIPE CLEANER.—David Sanford, Ashton, III.
- 112,500.— TWINE HOLDER.— Joseph B. Sargent and Purmont Bradford (assignors to Sargent & Co.), New Haven, Conn. 112,502.— DOVETAILING MACHINE.— James M. Seymour, New-
- ack, N.J. 112,508.—WOODEN PAVEMENT.—Eaton Shaw, Portland, Me. 112,504.-GUARD FOR CIRCULAR SAWS.-George W. Shipman,
- 112,506.—BORD FOR CHCULAR SAWS.—George W. Shipman, Ischua, N.Y. 112,505.—BREECH-LOADING FIREARM.— Dexter Smith and Martin J. Chamberlin, Springfield, Mass. 112,506.—SPARK ARRESTER.—James Smith, Altoona, Pa. 112,507.—HORSE HAY RAKE.—Solomon P. Smith, Waterford, YYY
- 112,508.-PLOW.-S. M. Stewart, New Harrisburg, Ohio.
- 112,509.—MEDICAL COMPOUND FOR TREATING FEVER AND Aque.—George E. Swan, Mount Vernon, Ohio. 112,510.—DEVICE FOR COOLING JOURNALS OF CAR AXLES.— Henry G. Thompson, Milford, Conn.
- Henry G. Thompson, Milford, Conn. 112,511.—COOLING JOURNAL OF CAR AXLES.— Henry G.

- 112,511.—COOLING JOURNAL OF CAR AXLES.— Henry G. Thompson, Milford, Conn.
 112,512.—COOLING JOURNAL OF CAR-WHEEL AXLES.—Henry G. Thompson, Milford, Conn.
 112,513.—DEVICE FOR COOLING JOURNALS OF RAILWAY CARS. —Henry G. Thompson, Milford, Conn.
 112,514.—NON-HEATING HANDLE FOR SAD IRONS, ETC.—William H. Towers, Boston, Mass.
 112,515.—LUBRICATOR.—John Erst Uhl, Renovo, Pa.
 112,516.—COMBINED CORN PLANTER AND CULTIVATOR.— Excellin Underwood Sonth Ruthand N.Y.

- Franklin Underwood, South Rutland, N.Y. 112,517.—KING BOLT.— Wendel Vondersaar, Indianapolis
- Ind. 112,518.-112,518.—WHEAT ROASTER.—George W Waitt (assignor to himself and Robert B. Fitts), Philadelphia, Pa. 112,519.—PLASTER SOWER.—Thomas J. West, Alfred Center,
- 112,520.—TICKET HOLDER.—Henry Wexel, Providence, R. I. 112,521.—Tomacco Press.—Abraham N. Zell, Lancaster, Pa.
- 112,522.—COMBINED BAG HOLDER AND SCALES.—William Zimmerman, Lebanon, Pa. Antedated February 25, 1871. 112,523.—BREECH-LOADING FIREARM.—James M. Mason,
- Washington, D.C.

REISSUES.

- 4,287.—TREATING FRUITS TO DRY, SACCHARIFY, AND PRE-
- SERVE TERM. --Charles Alden, Newburg, assignor of part interest to Al-den Fruit Preserving Company, New York city. Patent No.100,355, dated March 5, 1570; reissue No. 4,011, dated June 7, 1570.
 Z88.--DEVICE FOR SECURING PULLEYS TO SHAFTS.--John H. Buckman (assignor to himself and Peter W. Reinshagen), Cincinnati, Ohio. Patent No. 93,144, dated December 21, 1559. 1,288.

4,289.—SHAWL STRAP.—George Crouch, Westport, Conn-Patent No. 82,006, dated September 29, 1865. Patent No. 82,606, dated September 29, 1863.
4,290.—ATMOSPHERIC DENTAL PLATE.—Nehemiah T. Folsom, Laconia, N.H. Patent No. 60,871, dated January 1, 1867.
4,291.—PESSARY.—William K. Gardner, Leonardsville, N. Y. Patent No. 105, 191, datedJuly 12, 1870.
4,292.—Division A.—SKATE.—James L. Plimpton, New York citv. Patent No. 37,305, dated January 6, 1863; reissue No. 3,906, dated April 5, 1870.
4,293.—Division B.—SKATE.—James L. Plimpton, New York city. Patent No. 37,305, dated January 6, 1863; reissue No. 3,906, dated April 5, 1870.
4,294.—APPARATUS FOR PITCHING BARRELS.—Louis Schulze

April 5, 1570. 294.—APPARATUS FOR PITCHING BARREI.S.—Louis Schulze, Baltimore, Md. Patent No. 106,961, dated August 30, 1570. 4.294

DESIGNS.

4,694.-PICTURE FRAME.-John H. Bellamy, Charlestown,

Mass. 4,605.—BELL CRANK AND ESCUTCHEON.—Pietro Cinquini, West Meriden, Conn., assignor to Parker & Whipple Company. 4,606.—PEDESTAL FOR A CAKE DISH.—George Gill (assignor to

4,090.—PEDENTAL FOR A CAKE DISH.—George Gill (assignor to Reed & Barton), Taunton, Mass.
4,697.—TABLE CASTER.—William Parkin (assignor to Reed & Barton), Taunton, Mass.
4,698.—BUCKLE FRAME,—John E. Smith, Waterbury, Conn.
4,699.—BACK OF A CHAIR OR SOFA.—George Unverzagt, Phil-adelphia, Pa.

TRADE-MARKS.

182.—HAT.—Nathan A. Baldwin, Milford, Conn., James H-Prentice, Brooklyn, and John R. Waller, New York city. 183.—SPOOL COTTON.—Lewis Coleman & Co., Boston, Mass.

184.-SALVE.-Robert Dobbins, Binghamton, N. Y.

185.—SOAP.—Leberman & Co., Philadelphia, Pa. 186.—MEDICINE.—Ridenour, Coblentz & Co., Springfield, Ohio. -PAPER.-Union Manufacturing Company, Springfield,

EXTENSIONS.

BATLINGTONS.
 BATLI

- SOLAR CAMERA.—David A. Woodward, Baltimore, Md. Let-ters Patent No. 16700, dated February 24, 1857; reissue No. 2,311, dated July 10, 1866. CAST SEAMLESS THIMBLE SKEINS FOR WAGONS.—John Bene-

CAST SEAMLESS THIMBLE SKEINS FOR WAGONS.—John Benedict, Kenesha, Wis, administrator of Andrew Leonard, decrased. Letters Patent No. 1655, dated february 21, 1557; reissue No.575, dated July 27, 1555; reissue No.1229, dated October 8, 1861.
 MODE OF CASTING SEAMLESS SKEINS FOR WAGONS.—John Benedict, Kenosha, wis, administrator of Andrew Leonard, decrased. July 27, 1555; reissue No. 16,65, dated Debrary 24, 1557; reissue No. 576, dated July 27, 1555; reissue No. 16,65, dated October 8, 1861.
 BREECH-LOADING FINEARMS.—William Cleveland Hicks, Sum mit, N.J. Letters Patent No. 16,767, dated March 10, 1557; reissue No. 2,998, dated March 10, 1570; reissue No. 3,998, dated January 15, 1870; reissue No. 3,998, dated January 15, 1870; reissue No. 3,998, dated January 15, 1870; reissue No. 3,998, dated March 10, 18570.
 SEEDING MACHINE.—Lewis B. Myers and Henry A. Myers, Elmore, Ohio. Letters Patent No. 0, 15,74, dated March 3, 1857.

DISCLAIMER

SOLAR CAMERA.—David A. Woodward, Baltimore, Md. Lat-ters Patent No. 15,00, dated February 2, 1855; relision No. 2,31, dated July 10, 2866. Filed February 23, 1870.



37 Park Row, New York.