

PRINTING PRESS.—William Anderson Kerr, Easton, Pa.—This invention relates to a new rotary press for printing both sides of one sheet by one process. The invention consists chiefly in the peculiar arrangement of the vertically reciprocating type frames which operate in conjunction with rotary platens, in such manner that they will be automatically inked during their reciprocating motion. The invention consists also in the arrangement of inking mechanism, whereby the ink is transferred from the lower part of each type frame to the type at the upper part of the same.

METAL ROOFING.—Seymour Hughes, Hudson City, N. J.—This invention relates to a new and useful improvement in a composition for fuses for blasting and other purposes.

FUSE COMPOSITION.—William H. Rogers, Brooklyn, N. Y.—This invention relates to a new and useful improvement in a composition for fuses for blasting and other purposes.

BOOK REPOSITORY.—Robert L. Dodge, Gallatin, Mo.—The object of this invention is to furnish means for supporting and preserving books, and rendering them accessible, and consists in arranging in a casing of suitable size a series of hinged frames, so constructed as to receive and support the books.

OSCILLATING ENGINE.—Henry Broomell, Christiana, Pa.—This invention relates to a new and useful improvement in the class of steam engines known as "oscillating engines," and consists in the peculiar manner of arranging the steam ports and regulating the motion of the engine.

TIDY PIN.—Hial H. Newton, Cleveland, Ohio.—This invention relates to a new and useful improvement in a device for fastening tidies to upholstered furniture, for the protection of such furniture, and it consists in a pin with an elastic head, constructed with double prongs.

BABY CARRIAGES.—James Higgins, Salem Crossing, Ind.—This invention relates to a new and useful improvement in carriages for babies, whereby they are rendered much more useful and convenient than they have hitherto been, and it consists in combining rockers with the body of the carriage, and so constructing the carriage, otherwise, that the body may be readily removed, and a baby cradle formed of it.

FELLY SAW.—Geo. Steck, Hughesville, Pa.—This invention has for its object to saw out of plank, fellys or other pieces that require to be curved in the direction of their length, and, at the same time, to have straight sides.

COMBINED ABDOMINAL AND BACK SUPPORTER AND TRUSS.—K. J. Cundiff, Lynchburg, Va.—This invention consists in a variety of constructions and arrangements of a hernia truss, back supporter, abdominal supporter, and elastic bar.

MECHANICAL MOVEMENT.—Nathaniel Bradford, Addison, Me.—This invention has for its object the proportioning of power to resistance, in such manner that, when resistance is small power may be reduced in order to the gaining of speed, and, when resistance is great, power may be increased by the sacrifice of speed.

NAIL HAMMER.—E. S. Morton, Plymouth, Mass.—This invention relates to a new and useful improvement in nail hammers, and consists in a slot formed at the base of the claws, and at about right angles therewith, by means of which a nail may be held in the hammer and started in the wood with one hand, thus rendering the hammer very convenient in driving nails in places where but one hand can be used.

CIRCUMFLEXOR.—Stephen R. Kirby, East Saginaw, Mich.—This invention relates to a new and useful improvement in an instrument for describing regular and irregular curves, for obtaining the profile or face of irregularly curved or undulating surfaces or curves, and straight lines combined, and consists in the combination of adjustable tressle-work with a flexible rod or ribbon, and in connection therewith, an adjustable straight-edge and connecting rod, by means of which a series of parallel irregular or regular curves, either with or without straight lines, may be described.

FENCE.—Benning Rowell, Byersville, N. Y.—This invention consists of panels, each composed of two parallel rails bearing a lattice work of slats; said panels being sustained at their ends by trusses having upper and lower cross bats for the support of the parallel rails; and said panels being connected at their ends by perpendicular rods passing through said rails, and between the cross bars of the trusses.

BAR FOR CASTING PIPES.—John Enright, Louisville, Ky.—This invention relates to a core bar, that may be made to collapse, after a pipe has been cast around it, in order that the bar may be readily withdrawn from within the pipe, and that may be expanded again to the required size previous to being inserted in the mold, whereby the use of hay, rope, or other elastic body, wound around the core, to be afterward burned, in order to permit the withdrawal of the core bar, is rendered unnecessary, and a metallic surface presented for the loam coating to be placed upon.

COTTON CARDING MACHINE.—Gilman Jaquith, Concord, Mass.—The object of this invention is to obviate some difficulties which are met with in carding cotton on ordinary machines, and improve them in various particulars, and consists in the means provided for cleaning the cotton from dirt and foreign substances.

LOCK.—John Gérard, Trenton, N. J.—This invention relates to improvements in mortise and rein locks, and consists in pivoting one end of the lever which works the latch bolt to an eccentric or cam, in a novel manner, by which the said end may be thrown back by raising the cam to let the other end move forward to allow the latch bolt to be drawn forward for reversing. It also consists in improvements in the construction of the tails or shanks of the latch and locking bolts whereby the size is reduced while maintaining the requisite strength, to economize in metal, and to insure better adhesion of the composition heads which are cast on the said tails, the said adhesion being more perfect when cast upon small rods, which do not cause the metal to "blow" as much as the larger ones do. The invention also consists in the application to the striking plate of a friction spring which presses against the lock plate when the door is shut, and prevents rattling.

DRAWING OFF TALLOW, LARD, ETC., FROM PRESSURE TANKS.—J. H. Archer, Beaumont, Texas.—This invention has for its object to furnish an improved method of drawing off tallow, lard, etc., from the rendering, or pressure tanks, by means of which the time and labor required for removing the tallow, lard, etc., will be greatly lessened; by which the tallow etc., will be all drawn from the tank, and will be free from dirt and water, thus requiring no manipulation to free it from water.

IRON TENDER FRAME.—Benjamin W. Healey, Providence, R. I.—This invention has for its object to furnish an improved iron tender frame, which shall be lighter, stronger, and more durable than the frames constructed in the ordinary manner.

COFFEE AND TEA STEEPER.—Joseph B. Wakeman and Alonzo M. Bush, Hancock, N. Y.—This invention has for its object to furnish an improved device for containing coffee or tea while being steeped, which shall be simple in construction, and more effective and satisfactory in operation than the steepers as heretofore made.

BALING PRESS.—E. J. Marsters, Shaw's Flat, Cal.—This invention has for its object to furnish a simple, convenient, and powerful baling press for cotton, hay, etc., and which shall be so constructed as to remove the necessity for the heavy side doors now required in presses.

COMBINED SOWER, PLANTER, CULTIVATOR, SCRAPER, AND GANG PLOW.—J. P. Eddleman, Pilot Point, Texas.—This invention has for its object to furnish a strong, simple, durable, and effective machine which shall be so constructed and arranged that it may be readily adjusted for use as a gang plow, seed sower, seed planter, cultivator, and cotton scraper, and which will do its work thoroughly and well in either capacity.

STUD NIPPERS.—Granville T. Shepley, West Groton, Mass.—This invention relates to a new and useful improvement in nippers or pliers for inserting studs in rubber or leather belting, and consists in forming indentations or channels in the face of each of the jaws of the nippers, which correspond with the end of the stud in shape and size, so arranged in the jaws that they correspond with each other when the jaws are closed.

TONGS.—Joshua J. Percival, Speedwell, Va.—This invention has for its object to overcome the deficiencies of tongs, which are produced by the lateral play of the shanks.

CIRCULAR SAW MILLS.—C. E. Grandy, Upton, Mass.—This invention has for its object to furnish an improved attachment for the frames of circular saw mills, in front of the saw, which shall be so constructed and arranged that while supporting the side of the log from which the board or other lumber is being cut, as it is being carried past it by the carriage, it may also serve as a set gage when setting up the log for another cut.

PORTABLE TOBACCO PRESS.—William S. Ford, Evansville, Ind.—This invention has for its object to furnish a simple, strong, and convenient press, designed especially for pressing leaf tobacco, into the hogsheads, and which shall be so constructed that the entire strain may be borne by the tobacco being pressed.

CARRIAGE AXLES.—Lomax Littlejohn, New York city.—This invention has for its object to improve the construction of carriage axles so as to obtain a longer bearing surface without lengthening the axle, or to obtain an equal bearing surface and at the same time shorten the axle.

RAILROAD CAR STOVE.—Adolph Brase and Lemuel Salladey, Sciotoville, Ohio.—This invention has for its object to furnish an improved stove which shall be so constructed that should the said stove be overturned, by the overturning of the car in which it may have been placed, the fire will be prevented from escaping through the stove pipe hole, and the danger of the car's being set on fire will be removed.

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FOR THE WEEK ENDING June 7, 1870.

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- 103,820.—REIN HOLDER.—John R. Achenbach, Saddle River, N. J.
- 103,821.—CONSTRUCTION OF HORSEPOWER FOR COTTON GINS, etc.—J. M. Albertson, New London, Conn. Antedated May 30, 1870.
- 103,822.—SKATE FASTENING.—Thomas Almond, Fitchburg, Mass.
- 103,823.—DRAWING OFF TALLOW, LARD, ETC., FROM RENDERING TANKS.—J. H. Archer, Beaumont, Texas.
- 103,824.—CONDENSER FOR THE MANUFACTURE OF COAL GAS.—Avery Babbett and W. W. Binny, Auburn, N. Y.
- 103,825.—ORE SEPARATOR.—Ioseba Ball, New York city.
- 103,826.—LETTER BOX.—C. R. Bancroft (assignor to C. C. Dickerman and C. W. Munroe), Boston, Mass.
- 103,827.—REMOVABLE CALK FOR HORSESHOES.—J. D. Barnum, Amenia Union, N. Y.
- 103,828.—LANTERN FOR STREETS.—Joseph W. Bartlett, New York city.
- 103,829.—TYPE CABINET.—Chauncey Basset, Kewanee, Ill.
- 103,830.—MACHINE FOR PARING FRUIT AND VEGETABLES.—A. G. Batchelder, Lowell, Mass.
- 103,831.—APPARATUS FOR LIGHTING GAS BY ELECTRICITY.—W. W. Bachelard, Boston, Mass.
- 103,832.—THRASHING MACHINE.—David C. Baughman, Tiffin, Ohio.
- 103,833.—MILL BOLT.—W. H. Berdan, Mooreville, Mich.
- 103,834.—DERRICK FOR HOISTING CRANE.—H. S. Blood, New Orleans, La.
- 103,835.—POST FOR PEGGING-JACK.—Daniel Bowker, Boston, Mass.
- 103,836.—PNEUMATIC GAS MACHINE.—David Boyle, San Francisco, Cal.
- 103,837.—DOOR KEY.—James Brady (assignor to the Branford Lock Works), Branford, Conn.
- 103,838.—LOCK.—James Brady (assignor to the Branford Lock Works), Branford, Conn.
- 103,839.—STOVE.—Adolph Brase and Lemuel Salladey, Sciotoville, Ohio.
- 103,840.—VALVE MECHANISM FOR OSCILLATING ENGINE.—Henry Broomell, Christiana, Pa.
- 103,841.—BOLTING DEVICE FOR SAFES.—S. J. Burton, Charlestown, assignor to American Steam Fire-Proof-Safe Company, Boston, Mass.
- 103,842.—REFRIGERATOR.—James C. Campbell, New York city.
- 103,843.—SAWING MACHINE.—James Chase, Rochester, N. Y. Antedated May 23, 1870.
- 103,844.—HAY-LOADING DEVICE.—A. B. Clark, Grass Lake, Mich.
- 103,845.—CASK-FILLER.—David Cope, Liverpool, England.
- 103,846.—BUGGY-TOP BED.—A. M. Covy, New Providence, N. J.
- 103,847.—MECHANICAL MOVEMENT FOR SEWING MACHINES, etc.—Edwin Cowles, Cleveland, Ohio.
- 103,848.—MACHINE FOR TRIMMING BLIND RODS.—B. C. Davis, Binghamton, N. Y.
- 103,849.—ROSETTE.—J. W. Dayton, (assignor to the American Suspender Company), Waterbury, Conn.
- 103,850.—CAR COUPLING.—Thomas W. Defrees, South Bend, Ind.
- 103,851.—SAW SET.—J. T. Dickey, Farmington, Ill.
- 103,852.—MANUFACTURE OF GLUE.—Andrew Dietz, New York city.
- 103,853.—BOOK REPOSITORY.—Robert L. Dodge, Gallatin, Mo.
- 103,854.—WINDOW BLIND.—Thomas Donato, New York city.
- 103,855.—COMBINED SOWER, PLANTER, CULTIVATOR, SCRAPER, AND GANG PLOW.—J. P. Eddleman, Pilot Point, Texas.
- 103,856.—VENTILATOR OR COWL.—Jacob Edson, Boston, Mass.
- 103,857.—INSOLE FOR BOOTS AND SHOES.—P. M. Ernst (assignor to himself and Ernst Schmidt), New York city.
- 103,858.—SPINNING MACHINE.—L. W. Felt, Keene, N. H.
- 103,859.—DOOR SPRING.—J. T. Folwell, Camden, N. J.
- 103,860.—PORTABLE TOBACCO PRESS.—W. S. Ford, Evansville, Ind.
- 103,861.—MACHINE FOR BINDING GRAIN.—Thaddeus Fowler, Tottensville, N. Y.
- 103,862.—METHOD OF BINDING GRAIN.—Thaddeus Fowler, Tottensville, N. Y.
- 103,863.—COVER FOR SEWING MACHINE.—E. F. French, New York city.
- 103,864.—UMBRELLA RIB.—Henry S. Frost (assignor to himself, A. G. Davis, and A. N. Woolson), Watertown, Conn.
- 103,865.—SHADE FOR GASLIGHT.—Wm. Fullagar, Brooklyn, N. Y.
- 103,866.—THRASHING MACHINE.—John S. Fulton, Gallatin, N. Y.
- 103,867.—ATTACHING HANDLES TO CUTLERY.—J. W. Gardner, Shelburne Falls, Mass.
- 103,868.—LOCK.—John Gerard, Trenton, N. J.
- 103,869.—ROTARY ENGINE.—Samuel D. Gilson, Syracuse, N. Y.
- 103,870.—BOILER.—Myron Gore, Batavia, Ill.
- 103,871.—HEAD BLOCK FOR SAW-MILL.—C. E. Grandy, Upton, assignor to S. Heald & Sons, Barre, Mass.

- 103,872.—CHECK VALVE.—Darwin Alanson Greene, New York city.
- 103,873.—PRUNING KNIFE.—Manasseh Grover, Clyde, Ohio.
- 103,874.—STREET RAILWAY CAR.—J. J. Gutierrez, Jefferson Parish, La.
- 103,875.—ELECTRO-MAGNETIC SIGNAL APPARATUS FOR RAILROADS.—T. S. Hall, Stamford, assignor to Hall's Electric Railway-Switch and Draw-Bridge Signal Company, New Haven, Conn.
- 103,876.—COMPOUND TROCHE OR BUCHU.—H. J. Hamilton, Brooklyn, N. Y.
- 103,877.—COTTON SCRAPER OR CULTIVATOR.—T. J. Harris, Guntown, Miss.
- 103,878.—IRON TENDER-FRAME.—B. W. Healey, Providence, R. I.
- 103,879.—PROCESS FOR MAKING MOLDS FOR CASTINGS OF ALTO-RELIEVO FIGURES, ETC.—Nicholas Heintzelman, New York city Antedated May 24, 1870.
- 103,880.—LOOM.—John J. Herbert, Philadelphia, Pa.
- 103,881.—BARK MILL.—L. N. Hermance, Kingston, N. Y.
- 103,882.—BABY CARRIAGE.—James Higgins, Salem Crossing, Ind., assignor to himself and W. S. Medaras.
- 103,883.—STEAM RAM.—Thomas Hill, Vallejo, Cal.
- 103,884.—HEATING STOVE.—Robert Hillson, Albany, N. Y.
- 103,885.—LAMP SHADE SUPPORTER.—E. W. Holt, Corinna, Me.
- 103,886.—RAILWAY CAR BRAKE.—Thomas Hopper, Hatfield Hopper, and Chandler C. Coats, Newark, N. J.
- 103,887.—METAL ROOFING.—Seymour Hughes, Hudson City, N. J.
- 103,888.—PATTERN FOR CASTINGS.—J. L. Jackson, New York city.
- 103,889.—CARDING MACHINE.—Gilman Jaquith, Concord, Mass.
- 103,890.—CUTTER FOR WOOD-MOLDING MACHINES.—Dedrick Jordan, Charlestown, Mass., assignor to A. S. and J. Gear & Co., New Haven, Conn.
- 103,891.—MOTIVE MECHANISM FOR SEWING MACHINES.—J. W. Jordan, Lexington, Va.
- 103,892.—SAWING MACHINE.—Jacob Kauffmann, Gilboa, Ohio.
- 103,893.—PRESSURE-GAGE AND SAFETY VALVE.—A. A. Kent, Lyons, Iowa.
- 103,894.—PRINTING PRESS.—William Anderson Kerr, Easton, Pa.
- 103,895.—MOTIVE MECHANISM FOR CARRIAGES.—George Kline and F. H. Simmons, Sullivan, Ill.
- 103,896.—ADJUSTABLE CURVE FOR USE OF DRAFTSMEN.—S. R. Kirby, East Saginaw, Mich.
- 103,897.—STREET-CAR STARTER.—Benjamin Lepper, St. Louis, Mo.
- 103,898.—CHURN.—J. S. Lewis, Elkpor, Iowa.
- 103,899.—SUBMARINE DRILLING APPARATUS.—Samuel Lewis, Williamsburg, N. Y.
- 103,900.—CARRIAGE AXLE.—Lomax Littlejohn, New York city.
- 103,901.—PACKING FOR ROTARY ENGINE.—John Loader (assignor to himself, W. H. Child, and A. W. C. Williams), London, Eng.
- 103,902.—STEAM GENERATOR.—John Loader and Wm. H. Child (assignors for one third their right to A. W. C. Williams), London, England.
- 103,903.—FENCE.—L. E. Lockling, Perrysburg, and N. N. Whitaker, Sheridan, N. Y.
- 103,904.—VARIABLE CUT-OFF VALVE GEAR.—G. E. Long, Harrisburg, Pa.
- 103,905.—LOCOMOTIVE HEAD LIGHT.—Roger W. Love, Wind sor, Vt.
- 103,906.—HAND SPINNING MACHINE.—Wm. H. Main, Marietta, Wis.
- 103,907.—BALING PRESS.—Enoch J. Marsters, Shaw's Flat, Cal.
- 103,908.—CHURN.—H. B. McFall, Mount Solon, Va.
- 103,909.—PASTE FOR POLISHING METALS.—Peter McManus and G. W. Latimer, Detroit, Mich.
- 103,910.—CLUTCH MECHANISM FOR HARVESTER.—William Michael, Murrsville, Pa.
- 103,911.—IRON BRIDGE.—Mahlon Miller, Cleveland, Ohio.
- 103,912.—MACHINE FOR CUTTING OUT GRINDSTONES.—J. E. Mitchell, Philadelphia, Pa.
- 103,913.—FUEL PRESS.—T. M. Mitchell, Philadelphia, Pa.
- 103,914.—NAIL HAMMER.—Ephraim S. Morton, Plymouth, Mass.
- 103,915.—TIDY PIN.—H. H. Newton, Cleveland, Ohio.
- 103,916.—DOOR MAT.—A. P. Noyes, Middletown, assignor to J. S. Andrews, Chelsea, Mass.
- 103,917.—LAMP GAS BURNER.—Rufus Nutting, Randolph, Vt.
- 103,918.—CULTIVATOR.—Henry W. Ostrom, Grand Rapids, Mich.
- 103,919.—BRAND FOR CANCELING STAMPS.—Amos D. Owen, Thorntown, Ind.
- 103,920.—FIRE TONGS.—J. J. Percival, Speedwell, Va.
- 103,921.—METALLIC BOOT AND SHOE HEEL.—A. T. Perrine, Louisville, Ky.
- 103,922.—GRAIN CLEANER.—Chauncey Perry, Rochester, N. Y. Antedated May 23, 1870.
- 103,923.—HOT-BLAST APPARATUS.—Jonas J. Pierce, Sharpsville, Pa.
- 103,924.—PRINTING TELEGRAPH INSTRUMENT.—F. L. Pope, Elizabeth, N. J., and T. A. Edison, New York city.
- 103,925.—SAWSET.—H. K. Porter, Boston, Mass.
- 103,926.—CALIPER.—H. K. Porter, Boston, Mass.
- 103,927.—APPARATUS FOR PACKING PRESERVES.—C. T. Probst, New York city.
- 103,928.—LAMP SHADE.—Wm. Reed, Jr., Boston, Mass., assignor to himself and Wm. Reed, M. D.
- 103,929.—GAS RETORT.—James Rigby and P. A. Palmer, Marietta, Ohio.
- 103,930.—COTTON SCRAPER.—D. G. Rittenhouse, Shelby Depot, Tenn.
- 103,931.—FUSE COMPOSITION.—William H. Rogers, Brooklyn, N. Y.
- 103,932.—PAPER BOX.—John Root (assignor to himself and Andrew Martin), New Haven, Conn.
- 103,933.—MILK-CAN HANDLE.—H. W. Shepard, Mannsville, N. Y.
- 103,934.—STUD NIPPER.—Granville T. Shepley, West Groton, Mass.
- 103,935.—COMBINED FEED AND WATER TROUGH.—Joseph Sherman, Coopersville, Mich., assignor to himself and William Sherman.
- 103,936.—CORN DROPPER.—J. L. Smith, Pemberton, N. J.
- 103,937.—VALVE.—August Snyder (assignor to Atwood & McCaffrey), Pittsburgh, Pa.
- 103,938.—SASH FASTENING.—Wm. B. Snyder and Robert Hubbard, Bridgeport, Conn.
- 103,939.—GEARING FOR CARPET-SWEEPING MACHINES.—G. F. Tayler, New York city.
- 103,940.—APPARATUS FOR SPLITTING ROCK.—Eber Thayer, Union City, Mich.
- 103,941.—CORN SHELLER.—Ambrose B. Thompson, Owego, N. Y.
- 103,942.—MOLD-BOARD PRESS.—Andrew Thompson, Ottawa, Ill.
- 103,943.—STOVEPIPE VENTILATOR.—D. V. Thrift, Monroe, Iowa assignor for one half to Levi Fisher.
- 103,944.—VOLUTE SPRING.—Joseph Trent, Millerton, N. Y. Antedated June 1, 1870.
- 103,945.—WASHING MACHINE.—David Vog, Trenton, Mich.
- 103,946.—COFFEE AND TEA STEEPER.—J. B. Wakeman and A. M. Bush, Hancock, N. Y.
- 103,947.—ELECTRO-DEPOSITION OF COPPER AND BRASS ON IRON AND STEEL.—W. H. Walenn, London, England. Patented in England Dec. 24, 1868.
- 103,948.—CONCEALED HINGE FOR LANDAU CARRIAGE.—Edward Wells, New Haven, Conn.
- 103,949.—THREAD CONTROLLER FOR SEWING MACHINES.—Washington Wendell, Milwaukee, Wis., assignor to the Finkle & Lyon Manufacturing Co., Middletown, Conn.
- 103,950.—BOOTS AND SHOES.—Levi H. Whitney, Washington, D. C.
- 103,951.—FIRE-KINDLING FAGOTS.—W. J. Wiggins and Chas. Stout, St. Louis, Mo.
- 103,952.—SAW MILL.—W. M. Wilkin, Detroit, Mich.
- 103,953.—LIME BARREL OR KIBBLE.—F. K. Winsor, Hillsdale, Mich.

103,954.—MACHINE FOR MAKING OXSHOES.—A. L. Wooding, Bristol, Conn.
103,955.—APPARATUS FOR COOLING ALE, BEER, ETC.—F. Zeitz, Philadelphia, Pa.
103,956.—MANGER.—C. E. Albright, Muncy, Pa.
103,957.—VELOCIPÈDE.—A. M. Allen, New York city.
103,958.—SIDEBOARD AND EXTENSION TABLE.—Derk Arnaud, Boston, Mass.
103,959.—WASHING MACHINE.—Frank M. Bacon, Plainfield, N. J.
103,960.—PUMP.—B. C. Bailey, Constitution, Ohio.
103,961.—PRINTING PRESS.—Amos H. Bangle, Brooklyn, Cal.
103,962.—CANDY MACHINE.—Jesse S. Batchelder, Fort Wayne, Ind.
103,963.—FIRE-PROOF CEILING.—F. Bauman and G. F. Letz, Chicago, Ill.
103,964.—FLOUR SIFTER.—Peter Becker, Mount Vernon, N. Y.
103,965.—COPY BOOK.—N. P. Beers, New York city.
103,966.—PATTERN FOR MOLDING STOVE PLATES.—R. W. Belson, Philadelphia, Pa.
103,967.—LAMP BURNER.—George Berkstresser (assignor to himself, F. W. Irvine, Jacob Reed, and R. W. Berkstresser), Bedford, Pa.
103,968.—MANUFACTURE OF WOOD PAPER STOCK.—Geo. H. Bliss and Martin Rees, West Stockbridge, Mass.
103,969.—REEL FOR HARVESTER.—J. W. Bope, South Bend, Ind., assignor to himself and C. Aultman, Canton, Ohio.
103,970.—REST FOR HARVESTER.—J. W. Bope, South Bend, Ind., assignor to himself and C. Aultman, Canton, Ohio.
103,971.—MECHANICAL MOVEMENT.—Nathaniel Bradford, Addison, Me.
103,972.—WATER WHEEL.—Wm. Braidwood and H. J. Hewitt, New York city.
103,973.—CHAIR SEAT.—W. G. Bulgin, Vienna, N. J.
103,974.—COMPOUND FOR PREVENTING AND REMOVING INCORUSTATION IN STEAM BOILERS.—William H. Burrig, Cleveland, Ohio, assignor to A. L. Kingman, C. G. Dodge, and H. C. Hartwell.
103,975.—TOOL HOLDER.—R. P. Buttle, Mansfield, Pa.
103,976.—COMBINED LIQUID GAGE AND HYDROMETER.—S. R. P. Camp, New York city.
103,977.—COMPUTING SPRING BALANCE.—S. R. P. Camp, New York city.
103,978.—BEEHIVE.—H. F. Carpenter, Greencastle, Pa.
103,979.—WOOD PAVEMENT.—Louis A. Cauvet, New York city.
103,980.—TOILET MIRROR.—G. H. Chinnock, New York city, and E. P. Williams, Elizabeth, N. J.
103,981.—COTTON GIN.—J. M. Clough, Iilon, N. Y.
103,982.—FLOW.—H. C. Cloyd, West Alexandria, Ohio.
103,983.—CHILL BOSH FOR BOILING AND PUDDLING FURNACES.—Thos. Coates, Ironton, Ohio.
103,984.—SEWING MACHINE.—J. J. Cobb, Boston, Mass.
103,985.—CARRIAGE CURTAIN BUTTON.—Alonzo Comstock and J. H. Nicholson, Chicopee, Mass.
103,986.—ELECTRICAL COTTON-PICKING MACHINE.—R. F. Cooke, Brooklyn, N. Y.
103,987.—QUILTING FRAME.—John A. Cookerly, Frederick, Md.
103,988.—METALLIC CAP AND NOZZLE.—Edward T. Covell, Brooklyn, N. Y.
103,989.—LIQUID METER.—Robert Creuzbaur, Brooklyn, E. D., N. Y.
103,990.—LIQUID METER.—Robert Creuzbaur, Brooklyn, E. D., N. Y.
103,991.—PENMAN'S WRIST SUPPORTER.—Henry F. Cristy, Charlestown, Mass.
103,992.—COMBINED ABDOMINAL AND BACK SUPPORTER AND TRUSS.—R. J. Cundiff, Lynchburg, Va.
103,993.—WICK ADJUSTER FOR ARGAND LAMP BURNER.—W. B. Curtiss, Bridgeport, Conn.
103,994.—APPARATUS FOR THE MANUFACTURE OF ILLUMINATING GAS.—John Dalley, St. Louis, Mo.
103,995.—SPOOLING MACHINE.—G. W. Daugherty, Wilmington, Del.
103,996.—SPINDLE FOR SPINNING MACHINE.—George W. Daugherty, Wilmington, Del.
103,997.—LAUNDRY IRON HEATER.—Robert Diven, New York city.
103,998.—COMBINED ROASTER AND BROILER.—Thos. Drake, Cincinnati, Ohio.
103,999.—MANUFACTURE OF FROSTED PLUSH, PAPER, ETC.—H. V. Edmond, Norwich, Conn.
104,000.—HORSE COLLAR.—Joseph Englaender (assignor to self and Eugene Lungstraas), Sedalia, Mo.
104,001.—DOVETAILING MACHINE.—H. H. Everts, Chicago, Ill.
104,002.—PAPER FILE.—Thomas C. Fahnestock, Cincinnati, Ohio.
104,003.—STUMP EXTRACTOR.—Enoch Farnsworth, Sabbath Rest, Pa.
104,004.—TAILING ELEVATOR FOR SEPARATORS.—Arthur B. Farquhar, York, Pa.
104,005.—WAGON AXLE.—C. W. Fillmore, Marengo, and T. M. Jones, Chicago, Ill.
104,006.—COLORING AND DRYING PAPER.—C. C. Fitzgerald, New York city.
104,007.—TREATING MARBLE TO PRESERVE IT.—C. C. Fitzgerald (assignor to the Fletcher Marble Co.), New York city.
104,008.—PRODUCING MOSAICS UPON MARBLE.—C. C. Fitzgerald (assignor to the Fletcher Marble Co.), New York city.
104,009.—VAPOR BURNER.—David R. Fletcher, Covington, Ky.
104,010.—TEA AND COFFEE SERVICE.—Ira Yeamans, Brooklyn, N. Y.
104,011.—BEEHIVE.—Thomas H. Foster, Indianapolis, Ind.
104,012.—HYDRANT.—Jacob Fricker and Americus Warden, Cincinnati, Ohio.
104,013.—EYELET.—Thomas Garrick, Providence, R. I.
104,014.—SETTING-UP AND TENSION COMBS FOR KNITTING MACHINES.—William Gaskill, Cincinnati, Ohio.
104,015.—THRILL COUPLING.—John H. Gee, Cortland, N. Y., assignor to G. T. Chapman, New York city.
104,016.—FRUIT BOX.—L. L. Gilliland, Dayton, Ohio.
104,017.—EMBROIDERING ATTACHMENT FOR SEWING MACHINES.—H. C. Goodrich, Chicago, Ill.
104,018.—ENVELOPE OPENER.—John P. Gruger (assignor to himself and Frederick Rodrigo), Philadelphia, Pa. Antedated May 27, 1870.
104,019.—WATER-SUPPLYING APPARATUS.—John C. Hagan, Nashville, Tenn.
104,020.—SPINDLE FOR SAFE LOCK.—Robert Haile (assignor to Charles Diebold and Jacob Klenzle), Cincinnati, Ohio.
104,021.—COOKING STOVE.—William Hailes, Albany, N. Y.
104,022.—CORSET SPRING.—Joseph Hanauer and N. Sartor, New York city.
104,023.—HARNESS SADDLE.—Emery E. Hardy, Joliet, Ill.
104,024.—RAILWAY CAR COUPLING.—Daniel Hart (assignor to himself and Jesse Yerkes), Romulus, N. Y.
104,025.—FAUCET.—Irus W. Harvey, Norwich, Conn.
104,026.—WATER WHEEL.—William Haslup, Sidney, Ohio.
104,027.—RUBBER DOOR SPRING.—Joel B. Hayden, Schaghticoke, N. Y.
104,028.—HAND SEED PLANTER.—John Heberling, Mount Pleasant, Ohio.
104,029.—MACHINE FOR SHIRING FABRICS.—Ansel Hecht, New York city.
104,030.—SETTER, GAGE, AND CASE FOR SEWING MACHINE NEEDLES.—Eli E. Hendrick, Carbondale, Pa.
104,031.—ANIMAL TRAP.—N. F. Hersh, Round Hill, assignor to himself and A. B. Lerew, York Sulphur Springs, Pa.
104,032.—SPRING CLOSING CAP FOR OIL CUPS AND INKSTANDS.—H. H. Heskett, Le Roy, Ill.
104,033.—NUT LOCK.—Daniel Hoffman, Noblestown, and W. Johnston, Havelock, Pa.
104,034.—MANUFACTURE OF A NON-HYGROSCOPIC PULVERULENT ACID PHOSPHATE.—E. N. Horsford, Cambridge, Mass.
104,035.—HORSE COLLAR.—Wm. Kayes (assignor to himself, Charles Irving, and J. B. Forsyth), Boston, Mass.
104,036.—TRUSS FRAME BRIDGE.—Chas. Kellogg, Athens, Pa.
104,037.—GLOBE VALVE.—Norman King (assignor to himself and Daniel Homire), Etna, Pa.

104,038.—SEAL LOCK.—G. L. Kitson, Joshua F. Laning, and Joseph Bennor, Philadelphia, Pa., assignors for one half their right to C. A. Wolburn.
104,039.—JOINTED SPRING GUARD.—U. B. Kline, Reamstown, Pa. Antedated June 3, 1870.
104,040.—METHOD OF FORMING CARRIAGE STEP.—Wilson W. Knowles, Plantsville, Conn.
104,041.—MOVABLE STORE SHELVING.—George Koch and Wm. Koch, Franklin, Pa.
104,042.—CULTIVATING HOOK.—J. Fred. Leitch, Oxford, N. Y.
104,043.—LETTER BOX.—E. T. Marsh, Rochester, N. Y.
104,044.—ADJUSTABLE HANGER FOR SHAFTING.—Volney W. Mason, Providence, R. I. Antedated May 30, 1870.
104,045.—THRILL COUPLING.—H. Z. Mast, Fork Meeting House, Md.
104,046.—SOCKET PIPE MACHINERY.—F. M. Mattice, Cleveland, Ohio.
104,047.—RULING MACHINE.—John McAdams, Brooklyn, N. Y.
104,048.—SPRING BED BOTTOM.—Wm. McArthur (assignor to himself and J. A. Smith), Philadelphia, Pa.
104,049.—MEAT CHOPPER.—Arthur McCarter, Salem, Ohio.
104,050.—FAUCET.—William McKay, Newburyport, Mass., assignor to himself and C. E. Bayley.
104,051.—HANDLE OF SHEET METAL SPOONS, FORKS, ETC.—H. C. Milligan, Brooklyn, N. Y.
104,052.—TUBING AND FILTERING ARRANGEMENT FOR WELLS.—M. C. Monson, Chicago, Ill.
104,053.—CAR WHEEL.—H. W. Moore, Jersey City, N. J.
104,054.—PHOTOGRAPHIC PLATE HOLDER.—John W. Moore, Bellefonte, Pa.
104,055.—MACHINE FOR CUTTING AND DRESSING STONE.—Archibald Munro, Arbroath, and Wm. B. Adamson, Glasgow, North Britain.
104,056.—MANUFACTURE OF RUBBER-COATED CARRIAGE TRIMMINGS.—John W. Munson, Bridgeport, Conn.
104,057.—RAILWAY RAIL CHAIR AND JOINT.—John M. Orr, Leesburg, Va.
104,058.—MACHINE FOR UNTWISTING AND SEPARATING HAIR ROPE.—Joseph Paradis and W. H. Drew, Brooklyn, N. Y.
104,059.—FARE RECORDER FOR CABS, ETC.—O. S. Peas, Xenia, Ohio.
104,060.—ORGAN BELLOWS.—Joseph R. Perry, Wilkesbarre, Pa.
104,061.—TOOL FOR CUTTING OFF BOLTS, RODS, ETC.—Henry Peters, Davenport, Iowa.
104,062.—MACHINE FOR FITTING LAGER BEER AND OTHER CASKS.—Henry Rattermann, Cincinnati, Ohio.
104,063.—LATHIE CHUCK.—John Rich, Painesville, Ohio.
104,064.—DOOR HANGER.—Samuel P. Robinson, Canterbury, Conn.
104,065.—FENCE.—Benning Rowell, Byersville, N. Y.
104,066.—SCREW COLLAR FOR LAMPS.—Wm. H. Russell, Brooklyn, N. Y.
104,067.—HARVESTER.—Jacob Seibel, Manlius, Ill.
104,068.—HEAD BLOCK FOR SAW MILLS.—George Selden and H. O. Kelsey, Erie, Pa., assignors to George Selden.
104,069.—BENCH HOOK.—H. J. Skinner, Dunkirk, N. Y.
104,070.—GRATE AND BACK FOR COOKING STOVES.—Jas. B. Slusser and W. H. Meech, Roanoke, Ind.
104,071.—GRATER.—J. M. Smith, Seymour, Conn.
104,072.—MACHINE FOR CLEANING CAST-IRON PIPE.—Wm. Smith, Alleghany City, Pa.
104,073.—ALARM FOR SAFES.—William Spear, Cape Elizabeth, Me.
104,074.—SAW FOR SAWING FELLIES.—Geo. Steck, Hughesville, Pa.
104,075.—BROILER.—William C. Stiver and John S. Williams, Brooklyn, N. Y.
104,076.—GAGE ATTACHMENT FOR TINSMITHS' SHEARS.—Orson W. Stow, Plantsville, Conn.
104,077.—SAWING MACHINE.—Jacob Strausbaugh, Jr., Tiffin, Ohio.
104,078.—BLOW PIPES.—J. R. Streett (assignor to James Vermillion), Washington, D. C.
104,079.—SAWING MACHINE.—Monroe Sweney, Warren, Ohio.
104,080.—COMBINED CRANK WRIST FOR HARVESTING MACHINES.—J. Oscar Taber, Salem, Ohio.
104,081.—SCAFFOLD BRACKET.—Joseph M. Taylor, Dublin, Ind.
104,082.—BEDSTEAD FASTENING.—John C. Turner, Newark, N. J.
104,083.—BAKER'S OVEN.—Joseph Vale and Charles L. Vale, Chicago, Ill.
104,084.—HEATING STOVE.—Nicholas S. Vedder, Troy, N. Y.
104,085.—MACHINE FOR HUSKING CORN.—Ralph Warriner, J. H. Baker, and G. B. Stocuo, Saratoga Springs, N. Y.
104,086.—BRIDGE GATE.—Hubert Wermerskirchen, Chicago, Ill.
104,087.—CANE GUN.—William H. Werner, Nazareth, Pa.
104,088.—SEED PLANTER.—John E. White, Clinton, Ill.
104,089.—EARTH URINAL.—John G. White, Cambridge, Mass.
104,090.—REVOLVING STEAM GAGE COCK.—Daniel Williams and Edward Joseph, Gallipolis, Ohio.
104,091.—MANUFACTURE OF IRON.—John De Witt Williams (assignor to himself and John W. Butler), Philadelphia, Pa.
104,092.—DUSTING BRUSH.—Loren R. Witherell and Amasa B. Cranwell, Galesburg, Ill.
104,093.—MACHINERY FOR MOVING COAL OR OTHER MINERALS.—John E. Wooten, Reading, Pa.
104,094.—CONDITION POWDER FOR HORSES AND CATTLE.—John H. Woolrich, Woburn, Mass.

REISSUES.

4,010.—Division A.—APPARATUS FOR EVAPORATING THE MOISTURE FROM ANIMAL AND VEGETABLE SUBSTANCES.—Charles Alden, Newburgh, for himself and Alden Fruit-Preserving Company, New York city, assignees of Charles Alden.—Patent No. 100,835, dated March 15, 1870.
4,011.—Division B.—PROCESS FOR EVAPORATING THE MOISTURE FROM ANIMAL AND VEGETABLE SUBSTANCES.—Charles Alden, Newburgh, for himself and Alden Fruit-Preserving Company, New York city, assignees of Charles Alden.—Patent No. 100,835, dated March 15, 1870.
4,012.—Division A.—FIRE ALARM SIGNAL AND APPARATUS.—Alexander Allen, Rochester, N. Y.—Patent No. 90,806, dated June 1, 1869.
4,013.—Division B.—FIRE ALARM SIGNAL AND APPARATUS.—Alexander Allen, Rochester, N. Y.—Patent No. 90,806, dated June 1, 1869.
4,014.—TAPS FOR OIL VESSELS.—Matthew Andrew, Melbourne, Australia.—Patent No. 94,059, dated August 21, 1869.
4,015.—PISTON ROD ADJUSTER.—Douglas Bly, Shambourg, Pa.—Patent No. 78,045, dated May 19, 1868.
4,016.—SLEEVE BUTTON AND STUD.—Barnes Clayton, Philadelphia, Pa.—Patent No. 62,008, dated February 12, 1867; antedated February 2, 1867.
4,017.—Division B.—PITMAN CONNECTION FOR HARVESTER.—J. W. Doty, Lockport, N. Y.—Patent No. 59,192, dated October 30, 1866.
4,018.—LOCK.—Hall's Safe and Lock Company, Cincinnati, Ohio, assignee of Joseph L. Hall.—Patent No. 38,381, dated May 5, 1863.
4,019.—CURTAIN KNOB.—Calvin Z. Kroh, Tiffin, Ohio.—Patent No. 49,634, dated August 20, 1865.
4,020.—DEODORIZING PETROLEUM.—Thomas Restieaux, Boston, Mass.—Patent No. 63,749, dated April 9, 1867.
4,021.—DEVICE FOR SHEARING AND CLIPPING HORSES AND OTHER ANIMALS.—Roswell T. Smith, William Earl, Joseph K. Priest, and John G. Blunt, Nashua, N. H., assignees of Roswell T. Smith and Joseph K. Priest.—Patent No. 72,103, dated December 10, 1867.
4,022.—FAUCET.—Edward A. Sterry, Norwich, Conn.—Patent No. 13,047, dated June 12, 1855; extended seven years.
4,023.—DYE FOR COLORING WOOL AND OTHER FIBROUS MATERIAL.—Albert Knight and George W. Talbot, Providence, R. I., assignees of George W. Talbot.—Patent No. 99,496, dated February 1, 1870.
4,024.—LINING FOR FIREPLACE.—Charles Truesdale and Wm. Resor & Co., Cincinnati, Ohio, assignees of Charles Truesdale.—Patent No. 91,663, dated June 23, 1869.

DESIGNS.

4,095.—SEAL OR BANNER.—Fred Walton Bacon, New Haven, Conn.
4,096.—SPOON.—Bennot Jerald (assignor to Charles Parker), Meriden, Conn.

4,097 to 4,100.—DOOR KNOB.—Ludwig Kreuzinger, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Four patents.
4,101 to 4,103.—DOOR KNOB ROSE.—Ludwig Kreuzinger, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Three patents.
4,104 to 4,106.—ESCUTCHEON.—Ludwig Kreuzinger, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Three patents.
4,107.—DOOR KNOB.—Charles Kunze, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,108.—DOOR KNOB.—Joseph L. Leger, Somerville, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,109 and 4,110.—BELL-PULL KNOB.—J. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Two patents.
4,111 and 4,112.—BELL-PULL BACK PLATE.—Joseph A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Two patents.
4,113 to 4,118.—DOOR KNOB.—Joseph A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Six patents.
4,119.—DOOR KNOB ROSE.—J. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,120.—DOOR BUTT.—J. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,121 and 4,122.—ESCUTCHEON.—Jos. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Two patents.
4,123.—DOOR LATCH.—Jos. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,124 to 4,126.—SHUTTER KNOB.—Jos. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Three patents.
4,127.—SHUTTER BAR.—Jos. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,128.—SASH LIFT.—J. A. Ruff, Cambridge, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn.
4,129 and 4,130.—BELL-PULL KNOB.—John Joseph C. Smith, Somerville, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Two patents.
4,131 to 4,138.—DOOR KNOB.—John J. C. Smith, Somerville, assignor to the Metallic Compression Casting Company, Boston, Mass., assignor to Russell & Erwin Manufacturing Company, New Britain, Conn. Eight patents.
4,139 and 4,140.—FLOOR CLOTH PATTERN.—J. T. Webster, New York city, assignor to Page, Wilder & Co., Hallowell, Me. Two patents.
4,141.—GRINDING MILL STAND OR FRAME.—John G. Baker, Philadelphia, Pa.
4,142.—HAND STAMP.—S. J. Hoggson, New Haven, Conn.
4,143.—THUMB OF GLOVE.—Edward Hulbert, Wm. F. Steele, and Henry C. Day, Gloversville, N. Y.
4,144.—TILE.—Wm. H. Humphrey, Lansingburg, N. Y.
4,145.—BAND SAW FRAME.—John Richards, Philadelphia, Pa.
4,146.—COLLAR BOX.—Geo. K. Snow, Watertown, Mass.
4,147.—CIDER, WINE, AND OTHER PRESSES.—Hermon Thomas, Philadelphia, Pa.

EXTENSIONS.

ELASTIC BOTTOMS FOR CHAIRS AND OTHER ARTICLES.—Ly-sander Spooner, Boston, Mass.—Letters Patent No. 15,021, dated June 3, 1856.
COUPLING FOR VEHICLES.—Harvey Miner and H. M. Stevens, of New York city, and Mary Saunders, of Hastings, N. Y. (executrix of Wm. H. Saunders, deceased).—Letters Patent No. 14,985, dated May 27, 1856.
NAIL MACHINE.—Daniel Dodge, of Keeseville, N. Y.—Letters Patent No. 15,054, dated June 3, 1856.
REAPING MACHINE.—W. C. Martin, Westville, Ind., administrator of Jacob J. Mann, deceased, and Henry F. Mann, of Pittsburg, Pa.—Letters Patent No. 15,044, dated June 3, 1856.

NEW BOOKS AND PUBLICATIONS.

THE SHEET METAL WORKER'S INSTRUCTOR. For Zinc, Sheet Iron, Copper, and Tin Plate Workers and others; containing a Selection of Geometrical Problems, also Practical and Simple Rules for Describing the various Patterns required in the different branches of the above Trades. By Reuben Henry Warn, Practical Tin Plate Worker. To which is added an Appendix, containing Instructions for Boiler Making, Mensuration of Surfaces and Solids, Rules for Calculating the Weights of different Figures of Iron and Steel, Tables of the Weights of Iron, Steel, etc. Illustrated by Thirty-two Plates and Thirty-seven Wood Engravings. Philadelphia: Henry Carey Baird, Industrial Publisher, 406 Walnut street. Price, by mail, free of postage, \$3.00.

This enterprising publisher evidently intends to supply every branch of industrial arts with an appropriate work of reference and guide. The book under present consideration is, so far as we are aware, the only one published upon sheet metal working in the English language, which treats its subject scientifically, practically, and accurately. It is an American edition of an English work, of well-recognized and standard merit. The present edition includes all the matter contained in the English edition and has added to it an important and useful appendix, including instructions for boiler making, mensuration of surfaces, tables, etc., very useful for reference. The book is thoroughly indexed, which adds greatly to its convenience in use. It is printed in bold clear type, and its contents are so well classified that it cannot fail to be a most useful hand-book for artisans in sheet metal.

CONTRIBUTIONS TO THE THEORY OF NATURAL SELECTION. A Series of Essays. By Alfred Russel Wallace, author of "The Malay Archipelago," etc., etc. Macmillan & Co., London, and 63 Bleecker street, New York city.

This book merits an elaborate review, and we have kept it upon our table for some weeks, hoping to gain leisure to give it a thorough reading and to place in the form of a review its salient points before our readers. We have not yet found time to do this, but we can assure all lovers of natural history, and all who delight in original investigation of the kind, that no time can be better improved than by the perusal of this work. The author candidly and modestly sets forth his claims to the origination of the origin of species, while acknowledging that few men but Mr. Darwin—and perhaps none now living—could have accomplished the great work from which that great philosopher derives his fame. The book is therefore written in no spirit of rivalry or detraction, but with an earnest desire to advance true science. The author takes issue with Mr. Darwin and others upon the origin of the human species. And his remarks upon this subject are full of facts of great interest. The book is a small octavo printed in handsome style on tinted paper and tastefully bound.

APPLICATIONS FOR THE EXTENSION OF PATENTS.

HARVESTING MACHINES.—William A. Kirby, Auburn, N. Y., has applied for an extension of the above patent. Day of hearing Aug. 17, 1870.
DESIGN FOR A KNIFE OR FORK HANDLE, ETC.—Egbert W. Sperry, Wolcottville, Conn., has applied for an extension of the above patent. Day of hearing Oct. 12, 1870.
DESIGN FOR A KNIFE, FORK, OR SPOON HANDLE.—Egbert W. Sperry, Wolcottville, Conn., has applied for an extension of the above patent. Day of hearing Oct. 12, 1870.