

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. Burrige, 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 Klenze), 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 Yerks), 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.—SEWING MACHINE 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. Wootten, 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. 63,743, 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.