

- 116,347.—BOTTLE STOPPER.—J. Park, Philadelphia, Pa.
- 116,348.—CHURN.—T. B. Parke, Downieville, Cal.
- 116,349.—GAS REGULATOR.—C. C. Place, Boston, Mass.
- 116,350.—FOLDING LOUNGE.—W. Pruffrock, St. Louis, Mo.
- 116,351.—COPYING APPARATUS.—W. J. Purcell, New York city.
- 116,352.—STEAM ENGINE.—W. Race, Lockport, N. Y.
- 116,353.—PISTON HEAD.—J. Rees, Pittsburgh, Pa.
- 116,354.—BED BOTTOM.—G. W. Robinson, Galesburg, Ill.
- 116,355.—PLOW.—A. Roden, Mumfrod, Ala.
- 116,356.—THRASHING MACHINE.—C. E. Roper, Canton, Ohio.
- 116,357.—STEAM ENGINE.—C. F. Roth, Osceola, Iowa.
- 116,358.—GASSELLER.—J. H. Seaman, Brooklyn, N. Y.
- 116,359.—GASSELLER.—J. H. Seaman, Brooklyn, N. Y.
- 116,360.—GASSELLER.—J. H. Seaman, Brooklyn, N. Y.
- 116,361.—COOLING BONE BLACK.—C. H. Senf, New York city.
- 116,362.—WATER METER.—J. C. Slaughter, New York city.
- 116,363.—FIREARM.—W. T. Snedden, Johnstown, Pa.
- 116,364.—FIREARM.—W. T. Snedden, Johnstown, Pa.
- 116,365.—HEATER.—G. B. Snider, New York city.
- 116,366.—TANK.—H. F. and G. S. Snyder, Williamsport, and A. Snyder, Freeport, Pa.
- 116,367.—DOWEL BRAD.—J. Sowle, Boston, Mass.
- 116,368.—PESSARY.—H. Spillman, New Orleans, La.
- 116,369.—SEAT.—D. I. Stagg, New York city.
- 116,370.—VALVE.—N. P. Stevens, Hopkinton, N. H.
- 116,371.—PIPE MACHINE.—J. W. Stockwell, Portland, Me.
- 116,372.—DIE.—H. Thompson, Concord, N. H.
- 116,373.—CIGAR BOX.—J. L. Thomson, Syracuse, N. Y.
- 116,374.—BASKET.—B. F. Tuthill, Chicago, Ill.
- 116,375.—PRESERVING FLOWERS.—P. T. Vining, Springfield, Mass.
- 116,376.—POWER PRESS.—T. B. Wait, Zena, Oregon.
- 116,377.—SAPPING LOGS.—E. Webber, Gardiner, Me.
- 116,378.—GUIDE PLATE.—A. W. Webstet, Ansonia, Conn.
- 116,379.—FASTENING.—W. C. Wendell, Philadelphia, Pa.
- 116,380.—PRESSER FOOT.—J. Wensley, Philadelphia, Pa.
- 116,381.—LAMP SUPPORT.—T. P. White, Bridgeport, Conn.
- 116,382.—BRUSH.—J. L. Whiting, Boston, Mass.
- 116,383.—POWER PRESS.—M. G. Wilder, West Meriden, Conn.
- 116,384.—IRON FOLDING CHAIR.—G. Wilson, Chicago, Ill.
- 116,385.—VAPOR BURNER.—G. H. Wilson, Mansfield, Ohio.
- 116,386.—LATCH NEEDLE.—S. Woodward, Manchester, N. H.
- 116,387.—PRUNING SHEARS.—F. L. Yancey, Batavia, N. Y.
- 116,388.—PLOW.—C. M. Young, Meadville, Pa.
- 116,389.—SAUSAGE.—J. H. Zumstein, New York city.
- 116,390.—DRESSING STONE.—W. Adams, Edinburgh, G. B.
- 116,391.—TWINE CUTTER.—J. Adt, New Haven, Conn.
- 116,392.—FURNITURE TIP.—J. F. Akerstein, Chicago, Ill.
- 116,393.—VESSEL FOR OIL.—G. W. Banker, New York city.
- 116,394.—STEAM ENGINE.—J. Banks, Port Blanchard, Pa.
- 116,395.—STEAM ENGINE.—J. Barnett, Fredericktown, Ohio.
- 116,396.—STOVE GRATE.—M. R. Barr, Erie, Pa.
- 116,397.—CAR COUPLING.—J. W. Barrett, Calhoun, Ga.
- 116,398.—BARREL HEAD.—J. B. Barsaloux, St. Louis, Mo.
- 116,399.—STREET LANTERN.—J. W. Bartlett, New York city.
- 116,400.—BOOT HEEL.—H. H. Bigelow, Worcester, Mass.
- 116,401.—SELF-WATERING VASE.—W. M. Bingham, Henry Bemis, Rochester, N. Y.
- 116,402.—CHANNELING MACHINE.—R. Blake, Fort Wayne, Ind.
- 116,403.—STEAM TRAP.—J. H. Blessing, Albany, N. Y.
- 116,404.—SPUR.—J. C. Bohn, Allegheny City, Pa.
- 116,405.—TURBINE.—J. G. Boyland, G. Buchanan, Crawfordville, Ind.
- 116,406.—LITHOGRAPHIC PRESS.—E. S. Boynton, Brooklyn, N. Y.
- 116,407.—STEAM ENGINE.—H. W. Adams, Philadelphia, Pa.
- 116,408.—ORDNANCE.—B. Britten, Red Hill, England.
- 116,409.—COASTING WAGON.—A. Brown, Springfield, Vt.
- 116,410.—SOLDERER.—A. J. Burke, Baltimore, Maryland.
- 116,411.—HOOP SKIRT.—C. C. Carpenter, New York city.
- 116,412.—KNIFE AND FORK.—M. Chapman, Greenfield, Mass.
- 116,413.—FRICTION PAWL.—W. R. Close, Bangor, Me.
- 116,414.—SCREW PROPELLER.—J. Cochrane, Wall Township, N. J.
- 116,415.—SAFE.—T. Coltrane, Cedar Township, Iowa.
- 116,416.—LOCK.—A. W. Cram, St. Louis, Mo., W. B. Dunbar, Chicago, Ill.
- 116,417.—ROWING MACHINE.—W. B. Curtis, Chicago, Ill.
- 116,418.—REAMER.—J. K. Derby, Jamestown, N. Y.
- 116,419.—DINING TABLE.—J. H. and L. Drane, Eminence, Ky.
- 116,420.—PUNCHING MACHINE.—J. Duff, Peoria, Ill.
- 116,421.—SAW.—J. E. Emerson, Trenton, N. J.
- 116,422.—FIREARM.—S. Forehand, H. C. Wadsworth, Worcester, Mass.
- 116,423.—DISCHARGING NAPHTHA.—T. Forstall, N. Orleans, La.
- 116,424.—SEWING MACHINE.—F. H. Furniss, Waterloo, N. Y.
- 116,425.—CULTIVATOR.—W. C. Gaines, Salem, Va.
- 116,426.—STOVE.—R. Gass, Troy, N. Y.
- 116,427.—CHAIR.—A. Gebhard, J. Blodan, Indianapolis, Ind.
- 116,428.—PLOW.—S. J. Gillham, W. C. Taylor, and W. Stolle, Vandalia, Ill.
- 116,429.—DIAL.—E. T. Gilliland, Cincinnati, Ohio.
- 116,430.—DIAL.—E. T. Gilliland, Cincinnati, Ohio.
- 116,431.—COUPLING.—H. C. Gilliland, Wellsville, Mo.
- 116,432.—SCISSORS.—R. S. Gladwin, West Meriden, Conn.
- 116,433.—BOTTLE STOPPER.—C. Glover, New York city.
- 116,434.—STAMP CANCELLER.—J. Goldsborough, Phila., Pa.
- 116,435.—LOOM SHUTTLE.—E. H. Graham, Biddeford, Me.
- 116,436.—ENGINE.—W. A. Graham, Carlisle, Pa.
- 116,437.—LET-OFF.—F. W. Graichen, Providence, R. I.
- 116,438.—GRATE.—A. Greenaway, H. J. Needham, New Albany, Ind.
- 116,439.—SHOE TAP.—J. C. Hancock, Charlestown, and J. C. Richardson, and E. P. Richardson, Somerville, Mass.
- 116,440.—RINGING HOGS.—J. and G. Heesen, and H. Nyland, Tecumseh, Mich.
- 116,441.—FIRE ESCAPE.—W. Henley, Chicago, Ill.
- 116,442.—LUBRICATOR.—J. Hodge, Harrison, N. J.
- 116,443.—WATER WHEEL.—O. J. Hodge, North Adams, Mass.
- 116,444.—STOVE.—H. T. Holmes, W. H. Priest, Little Falls, N. Y.
- 116,445.—WATER GATE.—W. C. Hopwood, Fillmore, Ind.
- 116,446.—PLOW.—J. T. Hovis, Clintonville, Pa.
- 116,447.—TILE MACHINE.—J. B. Hughes, Terre Haute, Ind.
- 116,448.—TILE MACHINE.—J. B. Hughes, Terre Haute, Ind.
- 116,449.—CARRIAGE SEAT.—B. Hurlburt, Fort Wayne, Ind.
- 116,450.—GAS.—E. Jones, Boston, Mass.
- 116,451.—GALVANIC BATTERY.—J. Kidder, New York city.
- 116,452.—DOOR LOCK.—J. H. Kinsman, Salem, Mass.
- 116,453.—LIGHTNING ROD.—G. S. Knapp, Winona, Minn.
- 116,454.—PUMP.—L. J. Knowles, Worcester, Mass.
- 116,455.—DIE.—W. W. Knowles, Plantsville, Conn.
- 116,456.—DIE.—W. W. Knowles, L. S. White, Plantsville, Ct.
- 116,457.—SIFTING MACHINE.—B. N. Lampan, Rutland, Vt.
- 116,458.—SAW MILL.—F. Layaux, Monroe, La.
- 116,459.—FLOWER STAND.—C. T. Lee, Taunton, Mass.
- 116,460.—DETECTOR.—L. L. Lee, Milwaukee, Wis.
- 116,461.—STRETCHING SLK.—J. N. Leonard, Rockville, Conn.
- 116,462.—HAIR DYE.—J. S. Letord, Sedalia, Mo.
- 116,463.—FILTER.—W. Linton, Baltimore, Md.
- 116,464.—TREADLE.—A. D. Lufkin, Cleveland, Ohio.
- 116,465.—COLLAR CAP.—A. P. Mason, Franklinville, N. Y.
- 116,466.—FIREBOX.—W. L. May, Philadelphia, Pa.
- 116,467.—FOLDING MACHINE.—J. C. Mayall, Boston, Mass.
- 116,469.—HASP LOCK.—W. C. McGill, Cincinnati, Ohio.
- 116,470.—ROOFING FELT.—J. B. Melvin, Lowell, Mass.

- 116,471.—HARVESTER.—C. Miller, Lincoln, Pa.
- 116,472.—BODY LOOP.—R. R. Miller, Plantsville, Conn.
- 116,473.—PLIER.—G. W. Moore, Newark, N. J.
- 116,474.—CURE OF PILES.—L. L. Moore, R. B. S. Whyre, Calhoun, Ky.
- 116,475.—CAR AXLE.—Eliza D. Murfey, New York city.
- 116,476.—LAMP.—T. North, Cincinnati, Ohio.
- 116,477.—DESK.—H. B. Osborne, N. W. Hammon, Des Moines, I.
- 116,478.—BOLT CUTTER.—A. W. Owen, M. E. Lilley, E. Canton, Pa.
- 116,479.—FERRULE.—J. L. Parker, Worcester, Mass.
- 116,480.—TILE MACHINE.—Z. F. Parus, Baltimore, Md.
- 114,481.—SIZING COILS.—A. Pearson, Assonett, Mass.
- 116,482.—BRACKET.—N. B. Peck, Woonsocket, R. I.
- 116,483.—VENTILATOR.—A. L. Pennock, Philadelphia, Pa.
- 116,484.—BRICK MACHINE.—J. F. M. Pollock, Leeds, G. Britain.
- 116,485.—CYLINDER COCK.—J. Porteus, Cincinnati, Ohio.
- 116,486.—SHAFT PROTECTOR.—A. S. Porter, N. Bridgewater, Ms.
- 116,487.—CRANK.—E. Quinn, Brooklyn, N. Y.
- 116,488.—WASHING MACHINE.—H. Richardson, Lyndon, Ill.
- 116,489.—FUEL.—E. H. Richter, Taunton, Mass.
- 116,490.—BUCK SAW.—E. M. Madden, S. D. Roberts, Middle-town, N. Y.
- 116,491.—BOOT BURNISHER.—J. G. Ross, Philadelphia, Pa.
- 116,492.—TRUNK.—E. A. G. Roulstone, Boston, Mass.
- 116,493.—CORN PLANTER.—A. Runstetter, Peoria, Ill.
- 116,494.—RAIL JOINT.—J. C. Rupp, Newark, Del.
- 116,495.—KNIFE SHARPENER.—J. J. Russ, Worcester, Mass.
- 116,496.—PLANING MACHINE.—J. J. Russ, Worcester, Mass.
- 116,497.—CLOTH.—A. Ruzé, Gaillon, France.
- 116,498.—WOVEN CLOTH.—A. Ruzé, Gaillon, France.
- 116,499.—SHUTTLE GUARD.—J. Rycroft, L. A. White, Mill-bury, Mass.
- 116,500.—COMB CLEANER.—A. Sahlstrom, Chicago, Ill.
- 116,501.—EGG DETECTOR.—A. Sahlstrom, P. Rohdin, Chicago, Ill.
- 116,502.—SEESAW.—Sarah E. Saul, Brooklyn, N. Y.
- 116,503.—MOLDING MACHINE.—C. Schilling, Pekin, Ill.
- 116,504.—SACCHARINE LIQUID.—A. Schreiber, New York city.
- 116,505.—WAGON BRAKE.—F. W. Schultz, Mt. Pleasant, Iowa.
- 116,506.—JEWELRY CASE.—Julius Smith, Philadelphia, Pa.
- 116,507.—HOOP SKIRT.—T. S. Sperry, Chicago, Ill.
- 116,508.—CAR STARTER.—J. F. Stokes, Philadelphia, Pa.
- 116,509.—AUGER BIT.—James Swan, Seymour, Conn.
- 116,510.—CRAVAT HOLDER.—J. N. Thomson, N. Attleboro', Ct.
- 116,511.—CHAIN HOOK.—J. R. Thorne, Waldoborough, Me.
- 116,512.—MOP HEAD.—Joshua Todd, Webster, N. Y.
- 116,513.—PROPELLER.—C. E. Tripler, New York city.
- 116,514.—BED LOUNGE.—B. F. Walton, Philadelphia, Pa.
- 116,515.—TREATING SEWAGE.—R. Weare, Newcastle-under Lyme, England.
- 116,516.—TABLE FOR INVALIDS.—T. N. Webb, Baltimore, Md.
- 116,517.—TOOL REST.—J. S. A. N. and O. Wheeler, Worcester, Ms.
- 116,518.—SADDLE TREE.—P. H. Wiedersum, New York city.
- 116,519.—SADDLE TREE.—P. H. Wiedersum, New York city.
- 116,520.—SEWING MACHINE.—C. H. Willcox, New York city, C. Carleton, Brooklyn, N. Y.
- 116,521.—SEWING MACHINE.—C. H. Willcox, New York city, C. Carleton, Brooklyn, N. Y.
- 116,522.—SEWING MACHINE.—C. H. Willcox, New York city, C. Carleton, Brooklyn, N. Y.
- 116,523.—SEWING MACHINE.—C. H. Willcox, New York city, C. Carleton, Brooklyn, N. Y.
- 116,524.—EVAPORATING PAN.—J. B. Williams, Glastonbury, Ct.
- 116,525.—WASHING MACHINE.—G. L. Witsil, Beverly, N. J.
- 116,526.—GATE.—J. A. Wood, Crosswicks, N. J.
- 116,527.—HAND CAR.—M. E. Hastings, Salisbury, Md.
- 116,528.—VEHICLE.—W. H. Keppel, H. Huffsey, Tiffin, O.
- 116,529.—BED BOTTOM, ETC.—C. Rich, Poughkeepsie, N. Y.
- 116,530.—MEDICAL COMPOUND.—F. Baker, New York city.

REISSUES.

- 4,436.—Division A.—REFRIGERATOR.—E. D. Brainard, Albany, N. Y.—Patent No. 73,292, dated Jan. 14, 1868.
- 4,437.—Division B.—ICE CHAMBER, ETC.—E. D. Brainard, Albany, N. Y.—Patent No. 73,292, dated Jan. 14, 1868.
- 4,438.—STOVEPIPE THIMBLE.—C. A. Buttles, Milwaukee, Wis.—Patent No. 95,649, dated Oct. 12, 1869.
- 4,439.—BESSEMER STEEL.—H. Chisholm, Cleveland, Ohio.—Patent No. 114,103, dated April 25, 1871.
- 4,440.—LUBRICATOR.—H. Grogan, Flatbush, N. Y.—Patent No. 105,063, dated Aug. 2, 1870.
- 4,441.—GLASS.—E. Ingraham, Bristol, Conn.—Patent No. 109,686, dated Nov. 29, 1870.
- 4,442.—BRUSH.—R. King, Brooklyn, N. Y.—Patent No. 60,013, dated Nov. 27, 1866.
- 4,443.—FLUTING IRON.—M. H. Knapp, Fulton, N. Y.—Patent No. 1,595, dated Aug. 2, 1870.
- 4,444.—IMITATION BRAID, ETC.—H. Loewenberg, New York city.—Patent No. 106,068, dated Aug. 2, 1870.
- 4,445.—MEDICAL COMPOUND.—D. Slade, Chicago, Ill.—Patent No. 112,858, dated March 21, 1871.
- 4,446.—GRIST MILL AND COTTON SEED HULLER.—J. W. Smith, Columbus, Ga.—Patent No. 114,215, dated April 26, 1871.
- 4,447.—PRODUCING BULLETINS, ETC.—W. Smith, H. D. Rogers, Cincinnati, O.—Patent No. 105,390, dated July 12, 1870.
- 4,448.—PUNCHING PRESS.—M. G. Wilder, West Meriden, Conn.—Patent No. 65,143, dated May 28, 1867.
- 4,449.—SEWING MACHINE GUIDE.—Willcox & Gibbs Sewing Machine Co., New York city.—Patent No. 15,402, dated July 22, 1866; extended seven years.
- 4,450.—WRENCH.—A. G. Coes, Worcester, Mass.—Patent No. 27,090, dated Feb. 7, 1860.

DESIGNS.

- 5,041.—SWIVEL.—P. G. Beckley, Newark, N. J.
- 5,042.—BASIN FRONT.—Francis Boyd, Newburg, N. Y.
- 5,043.—SHOVEL.—P. W. Groom, Philadelphia, Pa.
- 5,044.—GARTER, ETC.—S. Houghton, Worcester, Mass.
- 5,045.—BLACK LEAD BLOCK.—W. C. James, Plymouth, Eng.
- 5,046.—TYPE.—Alexander Kay, Philadelphia, Pa.
- 5,047.—CARPET.—John Magee, New York city.
- 5,048.—BORING MACHINE.—C. E. McBeth, F. Bentel, F. Marge-dant, Hamilton, O.
- 5,049.—PISTON.—J. H. McGowan, Cincinnati, O.
- 5,050.—PHOTOGRAPHIC CARD FRAME.—M. J. Rice, Boston, Mass.
- 5,051.—CARRIAGE SPRING.—G. B. Robinson, Derby, Conn.
- 5,052.—BOBBIN SCORE.—John Salisbury, Scituate, R. I.
- 5,053.—BUCKLE.—Louis Schindler, St. Peter, Minn.
- 5,054.—BUCKLE AND RING.—F. A. Schultz, Mt. Pleasant, Iowa.
- 5,055.—JELLY GLASS AND CAP.—J. H. Smith, D. C. Ripley, Birmingham, A. Kwozcalla, Lawrenceville, Pa.
- 5,056.—TYPE.—Richard Smith, Philadelphia, Pa.
- 5,057.—ALTO-RELIEF.—Amos Van Wart, New York city.
- 5,058, 5,059.—FLOOR OIL CLOTH.—J. T. Webster, Yonkers, N. Y.
- 5,060.—SURCINGLE FASTENING.—M. Wessen, Springfield, Mass.
- 5,061 to 5,064.—CARPET PATTERN.—G. C. Wright, New York.

TRADE MARKS.

- 351.—CLOTHING.—O. S. Baldwin, New York city.
- 352.—MATCHES.—Bock, Genin & Co., New York city.
- 353.—WRITING PEN.—C. H. Clifton, Pittsburgh, Pa.
- 354.—LIGHTNING ROD.—S. J. Mitchell, St. Louis, Mo.
- 355.—WHISKY.—J. A. Monks & Sons, St. Louis, Mo.
- 356.—FIRE EXTINGUISHER.—Northwestern Fire Extinguisher Co., Chicago, Ill.
- 357.—MEDICINE.—E. R. Phillips & Co., Freetown, Mass.
- 358.—NEEDLE.—Robert J. Roberts, New York city.
- 359.—UNDER GARMENTS.—G. A. Whiting, Charlestown, Mass.

EXTENSIONS.

- RAKE.—S. T. Lamb, New Albany, Ind.—Letters Patent No. 17,685, dated June 30, 1857.
- IRON.—W. Kelly, Louisville, Ky.—Letters Patent No. 17,628, dated June 23, 1857; reissue No. 505, dated Nov. 3, 1857.
- SAWING MACHINE.—J. Haw, Hanover Co., Va.—Letters Patent No. 17,626, dated June 23, 1857; additional improvement No. 244, dated July 26, 1859.

Practical Hints to Inventors.

MUNN & CO., Publishers of the SCIENTIFIC AMERICAN, have devoted the past twenty-five years to the procuring of Letters Patent in this and foreign countries. More than 50,000 inventors have availed themselves of their services in procuring patents, and many millions of dollars have accrued to the patentees, whose specifications and claims have prepared. No discrimination against foreigners; subjects of all countries obtain patents on the same terms as citizens.

How Can I Obtain a Patent?

Is the closing inquiry in nearly every letter, describing some invention which comes to this office. A positive answer can only be had by presenting a complete application for a patent to the Commissioner of Patents. An application consists of a Model, Drawings, Petition, Oath, and full Specification. Various official rules and formalities must also be observed. The efforts of the inventor to do all this business himself are generally without success. After great perplexity and delay, he is usually glad to seek the aid of persons experienced in patent business, and have all the work done over again. The best plan is to solicit proper advice at the beginning. If the parties consulted are honorable men, the inventor may safely confide his ideas to them: they will advise whether the improvement is probably patentable, and will give him all the directions needful to protect his rights.

How Can I Best Secure My Invention?

This is an inquiry which one inventor naturally asks another, who has had some experience in obtaining patents. His answer generally is as follows and correct: Construct a neat model, not over a foot in any dimension—smaller, if possible—and send by express, prepaid, addressed to MUNN & Co., 37 Park Row, New York, together with a description of its operation and merits. On receipt thereof, they will examine the invention carefully, and advise you as to its patentability, free of charge. Or, if you have not time, or the means at hand, to construct a model, make as good a pen and ink sketch of the improvement as possible, and send by mail. An answer as to the prospect of a patent will be received, usually, by return of mail. It is sometimes best to have a search made at the Patent Office; such a measure often saves the cost of an application for a patent.

Preliminary Examination.

In order to have such search, make out a written description of the invention, in your own words, and a pencil, or pen and ink, sketch. Send these with the fee of \$5, by mail, addressed to MUNN & Co., 37 Park Row, and in due time you will receive an acknowledgment thereof, followed by a written report in regard to the patentability of your improvement. This special search is made with great care, among the models and patents at Washington, to ascertain whether the improvement presented is patentable.

Caveats.

Persons desiring to file a caveat can have the papers prepared in the shortest time, by sending a sketch and description of the invention. The Government fee for a caveat is \$10. A pamphlet of advice regarding applications for patents and caveats is furnished gratis, on application by mail. Address MUNN & Co., 37 Park Row, New York.

To Make an Application for a Patent.

The applicant for a patent should furnish a model of his invention, if susceptible of one, although sometimes it may be dispensed with; or, if the invention be a chemical production, he must furnish samples of the ingredients of which his composition consists. These should be securely packed, the inventor's name marked on them, and sent by express, prepaid. Small models, from a distance, can often be sent cheaper by mail. The safest way to remit money is by a draft, or postal order, on New York, payable to the order of MUNN & Co. Persons who live in remote parts of the country can usually purchase drafts from their merchants on their New York correspondents.

Re-issues.

A re-issue is granted to the original patentee, his heirs, or the assignees of the entire interest, when, by reason of an insufficient or defective specification, the original patent is invalid, provided the error has arisen from inadvertence, accident, or mistake, without any fraudulent or deceptive intention.

A patentee may, at his option, have in his reissue a separate patent for each distinct part of the invention comprehended in his original application, by paying the required fee in each case, and complying with the other requirements of the law, as in original applications. Address MUNN & Co., 37 Park Row, for full particulars.

Trademarks.

Any person or firm domiciled in the United States, or any firm or corporation residing in any foreign country where similar privileges are extended to citizens of the United States, may register their designs and obtain protection. This is very important to manufacturers in this country, and equally so to foreigners. For full particulars address MUNN & Co., 37 Park Row, New York.

Design Patents.

Foreign designers and manufacturers, who send goods to this country, may secure patents here upon their new patterns, and thus prevent others from fabricating or selling the same goods in this market.

A patent for a design may be granted to any person, whether citizen or alien, for any new and original design for a manufacture, bust, statue, alto-relievo, or bas relief; any new and original design for the printing of woolen, silk, cotton, or other fabrics; any new and original impression, ornament, pattern, print, or picture, to be printed, painted, cast, or otherwise placed on or worked into any article of manufacture.

Design patents are equally as important to citizens as to foreigners. For full particulars send for pamphlet to MUNN & Co., 37 Park Row, New York.

Rejected Cases.

Rejected cases, or defective papers, remodeled for parties who have made applications for themselves, or through other agents. Terms moderate. Address MUNN & Co., stating particulars.

European Patents.

MUNN & Co. have solicited a larger number of European Patents than any other agency. They have agents located at London, Paris, Brussels, Berlin, and other chief cities. A pamphlet pertaining to foreign patents and the cost of procuring patents in all countries, sent free.

MUNN & Co. will be happy to see inventors in person, at their office, or to advise them by letter. In all cases, they may expect an honest opinion. For such consultations, opinion, and advice, no charge is made. Write plain; do not use pencil, nor pale ink; be brief.

All business committed to our care, and all consultations, are kept secret, and strictly confidential.

In all matters pertaining to patents, such as conducting interferences, procuring extensions, drawing assignments, examinations into the validity of patents, etc., special care and attention is given. For information, and for pamphlets of instruction and advice, Address

MUNN & CO., PUBLISHERS SCIENTIFIC AMERICAN, 37 Park Row, New York.