

[OFFICIAL.]

Index of Inventions

For which Letters Patent of the United States were granted

FOR THE WEEK ENDING FEBRUARY 6, 1872, AND EACH BEARING THAT DATE.

Table listing inventions with patent numbers, including Alkalies, Bale band stretcher, Bed bottom, Bee hive, Beer cooler, Belt, Belts on pulleys, Bin for storing and drying grain, Bits and other tools, Blackboard, Boats, Boiler, Bolt, Boot crimping machine, Boots and shoes, Box, Brick machine, Building block, Bung, Bureau, Burner, Car coupling, Car brake, Car seats, Carbueter, Carriage, Carriage wheel, Carriage wheel, Carriages, Cartridge, Chair, Cigar mold, Cloth plaiting machine, Cock, Core box, Corer and slicer, Countersink and plug borer, Cultivator, Curry comb, Dental plate and teeth, Dish washing machine, Ditching and tile laying machine, Dock, Dough mixer, Drawer pull, Drill, Dyeing, Egg beater, Electrical apparatus, Electricity, Elevator, Engine, Engine, Engine, Engines, Engine, Envelope, Excavating, Extracts, Fan, Fastener, Fence, File gripping handle, Fire place, Fire arms, Flour, Furnace, Furnace, Furnace, Furniture, Game, Gas, Gas fixture, Gate, Gate, Gage, Governor cut off, Grain cleaner and separator, Hair clipping machine, Hair tonic and restorer, Hame, Hame, Harness hook, Head block, Head block, Heating buildings, Hoe, Horsepower, Horseshoe, Horseshoe stretcher, Hose, Husker, Iron, Jack, Key for lock, Knife and fork cleaner, Knife, Lamp, Lamp basket, Lamp bracket, Lamp burner, Lamp chimney, Lamp, street, Latch and lock for sliding doors, Lock, G. Bayer.

Table listing inventions with patent numbers, including Lock, door, Lock, time, Lock for cars, Magneto electric machine, Marker, land, Meat, etc., Metal, machine for punching, Metal ware, flanged cover for sheet, Metal covers, manufacture of flanges for sheet, Meter, liquid, Meter, water, Mill, grinding, Mowing machine, Ore and stone crusher, Overshoe, fastening for, Oyster block, Painting wire cloth, Fan, dust, Pavement, asphalt, Pavement, wood, Pen, fountain, Pencil case, Pencil sharpener, Photographic apparatus, Pianos, pedal attachment for, Pipe, tobacco, Pipes together, machine for screwing, Pitman, L. N. Rouse, Planing machine, J. J. Russ, Planing machine, H. B. Schenck, Planter and marker, corn, Plow, L. Chapman, Plow, wheel, C. N. Owen, Plow, wheel, M. A. Melvin, Poker, lifter, and tongs, Lander and Manthorn, Press, hay, J. Scott, Propulsion, canal, J. L. Noccoli, Pulley block, differential, C. Hall, Pulley and wheel fastener, A. Newell, Punching machine, J. M. Loag, Railroad switch, C. F. Keller, Railway tie and chair, L. E. Towne, Rake, hand, G. W. Stearns, Rake, horse hay, L. A. Padlock, Rein holder, T. Byrd, Jr., Roofing, G. W. Robinson, Rubber hose, process of vulcanizing, J. H. Cheever, Saddle, cart, C. C. Cushman, Safe, milk, J. W. Case, Saw, J. E. Emerson, Scissors, G. Turner, Separator, grain, J. Eese, Sewing machine, W. A. Mack, Sewing machines, gathering attachment for, W. A. Mack, Sewing machines, presser foot for, H. C. Goodrich, Sewing machines, tucking device for, J. W. Wharton, Shaft coupling, W. P. Dugdale, Shawl strap and traveling bag handle, J. S. Topham, Shawl strap and traveling bag holder, J. S. Topham, Shingle machine, H. L. Gooch, Shoe fastener, A. Klinger, Sleeves, construction of, F. J. Meyers, Sign for street lamps, Bell and Jory, Signal and switch tender, electro magnetic, H. S. L. Bryan, Signaling apparatus for fire engines, electric, W. H. Mumler, Soap, apparatus for manufacturing, E. H. Gibbs, Sole trimming machines, rotary cutter for, S. H. Hodges, Spark arrester, H. F. Reiner, Spinning, self-acting mule for, W. Rouse, Spinning machines, spindle bearing for, H. L. Pierce, Sprits, manufacture of alcoholic, Rolfe and Rogers, Stand, water cooler, W. F. Nickels, Steam superheater, H. Yost, Steam pressure alarm, J. Cone, Steel, manufacture of, J. Baur, Steel for casting in green sand molds, manufacture of, J. Millwood, Stitching button holes, machine for, D. W. G. Humphrey, Stove, cooking, J. A. Price, Stove, cooking, R. Johnson, Stove pipes, hot water reservoir for, C. Lauby, Supporter, abdominal, M. G. Briggs, Table, extension, S. E. Wales, Table, extension, A. Hanson, Telegraph apparatus, G. Little, Telegraph receiving and transmitting instrument, G. Little, Telegraphy, W. C. Barney, Tender, dumper for railroad, T. C. Hendry, Terret, G. W. Soule, Ticket holder, Porter and Reece, Track cleaner, Higley and Atwood, Trap, animal, J. Coombe, Trap, steam, C. Schmandt, Tray, children's table, W. M. Conger, Turbine motor gate, J. T. Fanning, Vehicle, spring bottom, J. S. Merrill, Vehicles, elliptic spring for, R. Halloran, Vehicles, hub for wheels of, E. D. Ives, Ventilator, car, H. J. Ruttan, Wagon brake, M. G. Pickett, Wagon, dumping, J. F. Applegate, Wagons, end gate for, S. G. Thomas, Washing machine, M. and F. Way, Washing machine, A. J. Rogers, Washing machine, H. S. See, Washing machine, C. Milner, Washing machine, G. W. Gregory, Water wheel, C. E. Brooks, Wood, preserving, L. Feuchtwerker, Wringer, clothes, J. Makechney, Wringing machine, M. and F. Way.

DESIGNS PATENTED.

Table listing designs patented, including 5,505.—PRINTED FABRIC.—F. Christie, Philadelphia, Pa., 5,506.—SHAWL.—H. Erbs, Philadelphia, Pa., 5,507.—TYPE.—A. Gilbert, Boston, Mass., 5,508.—LEECH JAR.—W. Neidlinger, New York city., 5,509.—SODA FOUNTAIN.—G. F. Meacham, Newton, Mass.

TRADE-MARKS.

Table listing trade marks, including 644.—UMBRELLAS.—Dawes & Fanning, New York city., 645 to 647.—FERTILIZERS.—Maryland Fertilizing and Manufacturing Company, Baltimore, Md., 648.—SOAP.—J. Oakley, New York city., 649 to 651.—WHISKY.—James M. O'Donnell, Staten Island, N. Y., 652.—WHISKY.—C. H. Ross & Co., Baltimore, Md.

APPLICATIONS FOR EXTENSIONS.

Table listing applications for extensions, including Applications have been duly filed and are now pending for the extension of the following Letters Patent. Hearings upon the respective applications are appointed for the days hereinafter mentioned: 20,091.—FLY TRAPS.—W. Riley, April 10, 1872., 20,564.—MANUFACTURE OF ROUND BELTING.—M. Jewell, May 29, 1872., 20,180.—HARVESTER.—L. Miller, April 17, 1872., 20,181.—HARVESTER.—L. Miller, April 17, 1872.

Table listing extensions granted, including 18,871.—HARVESTER.—T. I. Stealey., 19,191.—BLADE FOR PENCIL SHARPENER.—W. K. Foster., 19,322.—SEED PLANTER.—J. D. Willoughby.

Value of Extended Patents.

Did patentees realize the fact that their inventions are likely to be more productive of profit during the seven years of extension than the first full term for which their patents were granted, we think more would avail themselves of the extension privilege. Patents granted prior to 1861 may be extended for seven years, for the benefit of the inventor, or of his heirs in case of the decease of the former, by due application to the Patent Office, ninety days before the termination of the patent. The extended time inures to the benefit of the inventor, the assignees under the first term having no rights under the extension, except by special agreement. The Government fee for an extension is \$100, and it is necessary that good professional service be obtained to conduct the business before the Patent Office. Full information as to extensions may be had by addressing

MUNN & CO., 37 Park Row.

SCHEDULE OF PATENT FEES:

Table listing patent fees: On each caveat \$10, On filing each application for a Patent, (seventeen years) \$15, On issuing each Original Patent \$20, On appeal to Examiners-in-Chief \$20, On appeal to Commissioner of Patents \$20, On application for Reissue \$50, On application for Extension of Patent \$50, On granting the extension \$50, On a Disclaimer \$10, On an application for Design (three and a half years) \$10, On an application for Design (seven years) \$10, On an application for Design (fourteen years) \$15.

For Copy of Claim of any Patent issued within 30 years. \$1, A sketch from the model or drawing, relating to such portion of a machine as the Claim covers, from \$1 upwards, but usually at the price above named. The full Specification of any patent issued since Nov. 20, 1866 at which time the Patent Office commenced printing them. \$1.25, Official Copies of Drawings of any patent issued since 1836, we can supply at a reasonable cost, the price depending upon the amount of labor involved and the number of views. Full information as to price of drawings in each case, may be had by addressing

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

Inventions Patented in England by Americans.

Table listing inventions patented in England by Americans, including ARTIFICIAL TEETH.—C. H. Mack, Portland, Oregon., BRONZING MACHINES.—E. F. Benton, Buffalo, N. Y., CARTRIDGE BOX, ETC.—J. W. Frazier, New York city., CASTING METAL, ETC.—W. Sellers, Philadelphia, Pa., COMBINED TOOL.—J. Dixon, New York city., COTTON GIN.—T. Bourne, New York city., GAS AND WATER PIPES, ETC.—F. Radde, New York city., GUANO BAG.—B. R. Croasdale, Philadelphia, Pa., HORSE COLLAR.—Z. C. Robbins, Washington, D. C., MARINE STATE ROOM.—L. D. Newell (of New York city), London, England., NEEDLE THREADER.—S. L. Mercer, Washington, D. C., PRINTING PRESS.—A. Campbell, Brooklyn, N. Y., REFINING OILS AND FATS.—C. Morfit (of Baltimore, Md.), London, Eng., RELIEF VALVES, ETC.—A. F. Allen, Providence, R. I., STEAM ENGINE.—E. Cope, J. R. Maxwell, Cincinnati, Ohio., TINTING PHOTOGRAPHS, ETC.—H. Vander Weide, New York city., WATER METER.—G. Sicksel, J. H. Thornalke, Boston, Mass., WATERPROOFING LEATHER, ETC.—W. Morris, Philadelphia, Pa.

Foreign Patents.

The population of Great Britain is 31,000,000; of France, 37,000,000; Belgium, 5,000,000; Austria, 36,000,000; Prussia, 40,000,000; and Russia, 70,000,000. Patents may be secured by American citizens in all of these countries. Now is the time, while business is dull at home, to take advantage of these immense foreign fields. Mechanical improvements of all kinds are always in demand in Europe. There will never be a better time than the present to take patents abroad. We have reliable business connections with the principal capitals of Europe. A large share of all the patents secured in foreign countries by Americans are obtained through our Agency. Address MUNN & Co., 37 Park Row, New York. Circulars with full information on foreign patents furnished free.

HOW SHALL I INTRODUCE MY INVENTION?

This inquiry comes to us from all over the land. Our answer is: Adopt such means as every good business man uses in selling his merchandise or in establishing any business. Make your invention known, and if it possesses any merit, somebody will want it. Advertise what you have for sale in such papers as circulate among the largest class of persons likely to be interested in the article. Send illustrated circulars describing the merits of the machine or implement to manufacturers and dealers in the special article, all over the country. The names and addresses of persons in different trades may be obtained from State directories or commercial registers. If the invention is meritorious, and if with its utility it possesses novelty and is attractive to the eye, so much the more likely it is to find a purchaser. Inventors, patentees, and constructors of new and useful machines, implements, and contrivances of novelty can have their inventions illustrated and described in the columns of the SCIENTIFIC AMERICAN. Civil and mechanical engineering enterprises, such as bridges, docks, foundries, rolling mills, architecture and new industrial enterprises of all kinds possessing interest can find a place in these columns. The publishers are prepared to execute illustrations, in the best style of the engraving art, for this paper only. They may be copied from good photographs or well executed drawings, and artists will be sent to any part of the country to make the necessary sketches. The furnishing of photographs, drawings, or models is the least expensive, and we recommend that course as preferable. The examination of either enables us to determine if it is a subject we would like to publish, and to state the cost of engraving in advance of its execution, so that parties may decline the conditions without incurring much expense. The advantage to manufacturers, patentees and contractors of having their machines, inventions, or engineering works illustrated in a paper of such large circulation as the SCIENTIFIC AMERICAN is obvious. Every issue now exceeds 40,000 and will soon reach 50,000, and the extent of its circulation is limited by no boundary. There is not a country or a large city on the face of the globe where the paper does not circulate. We have the best authority for stating that some of the largest orders for machinery and patented articles from abroad have come to our manufacturers through the medium of the SCIENTIFIC AMERICAN, the parties ordering having seen the article illustrated or advertised in these columns. Address

MUNN & CO., 37 Park Row, N. Y.

NEW BOOKS AND PUBLICATIONS.

A TREATISE ON ACOUSTICS IN CONNECTION WITH VENTILATION, and an Account of the Modern and Ancient Methods of Heating and Ventilation. By Alexander Saeltzler, Architect. New York: D. Van Nostrand, Publisher, 23 Murray Street and 27 Warren Street. This book announces the novel theory that the effect of sound in buildings is very materially modified by ventilation. The theory seems, at first sight, plausible, and we shall examine it with care, postponing remark until we have given the subject the attention it merits. Should this theory prove tenable, it may lead to very important changes in the construction of her users, churches and public halls.