Scientific American

the skins of sea-weed, showing a reference to the

The god, an extremely strong figure, in short garment (exomis) from which stand out in bold relief his right leg and breast, is in all probability Okeanos accompanied by Tethys. In front of these two divinities, who fittingly form the conclusion of the representation of the battle, flee up the steps several giants. The first has fallen on his knee; another with serpent legs, farther up the stairs, screens himself with a shield. The space which follows must have been filled with the coiled serpent-leg. At the top the small space between the stairs and the platform is occupied by an eagle which opposes the serpent. There is also an eagle on the right wing opposite as well as on the southwest and southeast corners respectively.

In this manner the whole dynasty of gods fighting with the giants runs around the substructure of the altar. Among the number of these groups there may be mentioned the most splendid and the best-preserved of all, groups representing Athena and her adversaries. Athena, the daughter of Zeus, having seized by the hair a beautiful, vigorous, four-winged giant, drags him along with her as she strides violently forward. The giant, Alkyoneus, who, according to the legend, was immortal on the soil which gave him birth, and

hence could only meet death away from his native place, in vain plants his feet on the ground.

Ge, the goddess of the earth, identified by the name to the left of her head and by the cornucopia at her side, rises out of the earth, and with uplifted hands implores mercy for her sons. Already the sacred serpent of Athena has coiled itself around his arms and legs, and has given him a fatal wound in the breast. His complete fall is foretold by Nike, the goddess of victory, who, floating down to the right of Athena, is about to place a crown on her head. The second opponent of Athena. Eukelados, between Alkvoneus and Porphyrion, already lies conquered on the ground. The legend tells us that Athena threw the island of Sicily on top of him. On the ground near the goddess is part of a dead giant in full armor.

Among the number of sculptures found in Pergamon may be mentioned the large statue of Athena Parthenos, a copy of the famous gold and ivory statue made by Phidias. The pedestal of the statue is ornamented with reliefs. This copy, the work of a Pergamene sculptor, stood in the principal room of the

To the right of this statue there is a part of the colonnade built perhaps by Kadrion (117 to 138 A. D.) which inclosed on three sides the sacred precinct of the Trajan temple from Pergamon. Of the large figures of Trajan and Hadrian, now shattered, which were set up in the temple as honorary statues, the heads are still extant and exhibited here, one on the capital of a column and the other on that of a pillar. Both the column and the pillar were part of the Hadrian colonnade.

Some of the architectural members of the gymnasium, a building which stood half way up the acropolis, and which also belongs to the Hadrian period, have been given a place here between the two heads above mentioned. Then follows a corner of the Trajan temple with its beautiful, slender corner acroterion.

To the right on Fig. 4 we show a portion of the stoa or colonnade which inclosed the sacred precinct of Athena in Pergamon, built by King Eumenes II. to give new splendor to the old sanctuary. A peculiar decoration of the colonnade was the parapet of the upper story with its reliefs representing weapons and various implements of war for both land and water.

The pieces here mentioned are but a few from among the great number of sculptures, reliefs, inscriptions, and pieces of architecture exhibited in this museum. Its whole contents offer not only an abundant material for study to archæologists, but also a singular delight to all friends of works of art.

RECENTLY PATENTED INVENTIONS.

Of Interest to Farmers.

BEET-PLOW .- E. G. SMART, Salinas, Cal. and has for its object to provide a powerdrawn plow having adjustable disks that by rotation raise the vegetables from the ground and leave them on the surface, cutting off vines and weeds when the disks are progressively moved along rows of the beets for their excavation from the soil.

Of General Interest.

CUTTING AND PUNCHING DEVICE.—J. Evans and J. Evans, Salt Lake City, Utah. The principal objects of this improvement are to provide means whereby a belt may be guided within the machine in such a manner as to provide for locating the lacing-holes and cutting off the end at the desired points, and, furthermore, to provide a simple and conver hose. The water now gradually flows through nient arrangement of the punches and blades the contracted opening of the spout, down the necessary for performing these operations and to secure a convenient and efficient arrange, grate and there vaporized, it passing with the ment of the punches and blades necessary for performing these operations and to secure an efficient leverage system for the punches and over the goods. When necessary, the receptablades.

PROCESS FOR THE MANUFACTURE OF ARTIFICIAL PEARLS, ETC.—P. E. L. PER-DRIZET, 4 Rue Elzévir, Paris, Franci. Imitation pearls manufactured by known processes, and more particularly the large variety, are too fragile when hollow and too heavy when solid, and the manufacture of pearls of irregular form which are termed "baroques," is more costly than that of pearls of regular form in consequence of a special molding process having to be adopted. This process obtains artificial pearls having a nacreous luster and in a high degree the qualities of strength and lightness and an irregularity of form which imparts an exact resemblance to genuine pearls. 'baroques."

INTERCHANGEABLE JOURNAL.—J. H. OSTRANDER, Ticonderoga, N. Y. Among the several objects of this invention are: first, to render the journals readily interchangeable: second, to provide against displacement of the journal from its proper position; third, to give the journal such conformity as will enable it to be braced when in position, and, fourth, to provide constructional details affording pecu-I'ar advantages. It relates particularly to journals of the kind used upon rollers—for instance, in paper-mills.

APPARATUS FOR MAKING STEEL AND OTHER METALS .- E. C. WILLS, Trenton, N. J. In this case the invention is an improvement in apparatus for use in the manufacture of steel and the like, and relates particularly to the construction of the converter and the means for operating the several parts thereof and for admitting air and the like in the use of the apparatus.

SNATCH-BLOCK.—P. H. STROHMINGER, Mansfield, Ohio. This block is intended par ticularly for use by electric linemen, although it is useful in other connections. The object of the invention is to enable the snatch-block to be cheaply and durably constructed, at the same time avoiding the possibility of the block becoming accidentally unfastened, this being an important desideratum in case the block is used by electric linemen.

TWEEZERS.—E. C. ELLSWORTH, Cambridge, Vt. Although adapted for general use, the tweezers are specially designed for watchmakers for use in removing and replacing the escapement-lever of watches. The invention possesses special advantages, is cheap to manufacture and simple in construction. above stated Mr. Ellsworth has invented the peculiar tweezers or, more definitely stated, an attachment to an ordinary pair of spring-tweez-

Heating and Lighting.

SECTIONAL BOILER.-J. J. M. LANGE, Svendborg, Island of Funen, Denmark. This invention relates to an improved element, sec-The invention refers to means for removing tional, or joint boiler—that is to say, a boiler beets or other esculent tubers from the soil, which can be set up directly from cast elements or sections all alike and which particularly serves for heating water or as a lowpressure boiler, for instance, in central heating arrangements and the like. It is easy to tend being divided up into a number of small furnaces or stoves easily arranged as magazinestoves. It may be used partially—that is, a larger or smaller number of furnaces may be lighted, according to the momentary need. whereby the remaining cold elements are left out of action.

> OVEN-SCREEN,-B. MORGENSTEIN, Shenandoah, Pa. Better results are obtained in baking if a certain amount of moisture is intro-In using this screen after it is introduced the receptacle which is on the side to-ward the baking-surface may be filled with a screen and onto the surface adjacent to the hot air through the screen-opening or over the flap and is thus quite uniformly distributed cle may be refilled.

Household Utilities.

WINDOW-SASH BALANCE AND LOCK.-T. PACHALI, SR., Reading, Pa. The purpose here is to provide a device applicable to window-sashes and frames which will dispense with the sash-weights ordinarily used and which will guide the sash up and down with least possible friction, and to provide means for adjusting the device to and from the sash, together with means for locking the sash closed or in any desired open position.

FOLDING BED.-J. D. FROMAN and T. M. LANHAM, Vevay, Ind. In this instance the invention relates to a bed which can be combined with a bookcase, settee, wardrobe, dresser, and various other kinds of furniture. The principal objects are to provide for folding a bed in such a manner that it will occupy much smaller space than has been the case hereto-fore, and especially to reduce the vertical space occupied by the bed in folded position.

Machines and Mechanical Devices.

LOADER.-J. C. MIRE, Belle Helene, La. It is the object in this case to provide a loader, more especially designed for conveniently and quickly loading sugar-cane, hay, or like material into wagons, carts, or other vehicles, the loader being simple and durable in construction. easily manipulated, readily moved about a field, and requiring but little manual labor to handle large quantities of the material in a comparatively short time.

Prime Movers and Their Accessories.

ROTARY ENGINE .- F. M. OBER and B. DU-GAR, Morrisville, Vt. In this patent the invention has reference to a rotary steam or other elastic-fluid engine in which the rotor is provided with a number of piston-heads revolubly mounted thereon and coacting with abutments supported by the cylinder or stationary part.

CARBURETER FOR GAS-ENGINES.—O. MINTON, New York, N. Y. The improvement pertains to a device for mixing air and a combustible fuel for gas-engines, although it may be used for other purposes; and the principal object in view of the inventor is the provision for regulating the mixture of air and fuel to be admitted, and also the quantity.

POWER MECHANISM .- P. ADAMS, Lamar, Col. In this mechanism will be found improvements for aiding the working power for a device to be operated over a power initially derived from a steam or other motor, thus ing or fastening metal buttons on cloth.

resulting in an economical use of motive agent, as an engine of comparatively small horsepower may be employed to perform work requiring a much greater horse-power.

Pertaining to Vehicles.

ARMORED-TIRE .- C. W. CATERSON, Franklin Forks, Pa. In this instance the invention refers to the tires of vehicles, and especially to pneumatic tires. The object is to produce an improved tire of the class popularly known as "armor-tires," the purpose being to present a substantially non-puncturable pneumatic tire which will have all the resilience and usual qualities of an ordinary pneumatic tire.

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Handle & Spoke Mchy. Ober Mfg. Co., 10 Bell St., Chagrin Falls, O.

Inquiry No. 7534.—For manufacturers of or dealers in bird lime. Sawmill machinery and outfits manufactured by the

Lane Mfg. Co., Box 13, Montpelier, Vt.

Inquiry No. 7535.—For manufacturers of fiber brushes, or machines to make the same.

I sell patents. To buy, or having one to sell, write Chas. A. Scott, 719 Mutual Life Building, Buffalo, N. Y. Inquiry No. 7536.—For manufacturers of wood fretwork.

WANTED .- Patented specialties of merit, to manu facture and market. Power Specialty Co., Detroit, Mich. Inquiry No. 7537.—For makers of structural shapes of shundaum (small T-irons, angle irons and 5-16 inch thick flat sagets).

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WANTED.-Draftsman for Patent Office drawings. Salary, \$1,200. State experience. Address F. L. D., Box 773, New York.

Inquiry No. 7539.—Wanted, address of firms making a specialty of bending copper and brass tubes.

WANTED. - Ideas regarding patentable device for water well paste or mucilage bottle. Address Adhesive, P. O. Box 773, New York.

Inquiry No. 7540.—Wanted, castings and mate-ial to make a motor and dynamo of from ¼ to ½!h. p.

FOR SALE.-Paving up-to-date metal working plant. Best location; good building. \$75,000, or will sell large interest to right man. Chance, Box 773, New York.

Inquiry No. 7541.—For dealers in rod straighten-ng machines, to straighten rods of muchin esteel.

WANTED .- A Young Man familiar with drafting to assist superintendent in an iron casting plant. Good opportunity for advancement if capable. Draftsman. Box 773, New York.

Inquiry No. 7542.—For makers of canning machinery, also of machinery for making the tin cans.

For Sale or Promoter Wanted .- Patent nortable, re versible iron fire escape. solid ladder, any number of persons, height or window, operated from interior no obstruction. Heath, 314 W. I41st Street, New York.

Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery tools and wood fibre products. Quadriga Manufacturing Company, 18 South Canal St., Chicago.

Inquiry No. 7544.-For manufacturers of muto-

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Inquiry No. 7546.—For manufacturers of spring, such as used in clocks; also for makers of light, small castings, as used in making locks.

INVENTIONS WANTED.—Undersigned will consider one or two good patented or patentable inventions to manufacture on royalty. Something in popular demand preferred. Honest treatment guaranteed. F. Raniville Company, Grand Rapids, Mich.

Inquiry No. 7547.—Wanted, machinery for the manufacture of wood alcohol.

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Inquiry No. 7548.—Wanted, the makers of the Long Life Apparatus, for the purpose of purifying air

Inquiry No. 7649.—Wanted, machinery for working dough in a bakery, with steam and hand power.

Inquiry No. 7550.—For the makers of the fastener called the "Security."

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AND EACH BEARING THAT DATE

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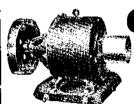
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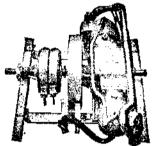
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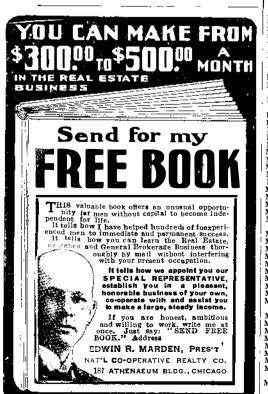


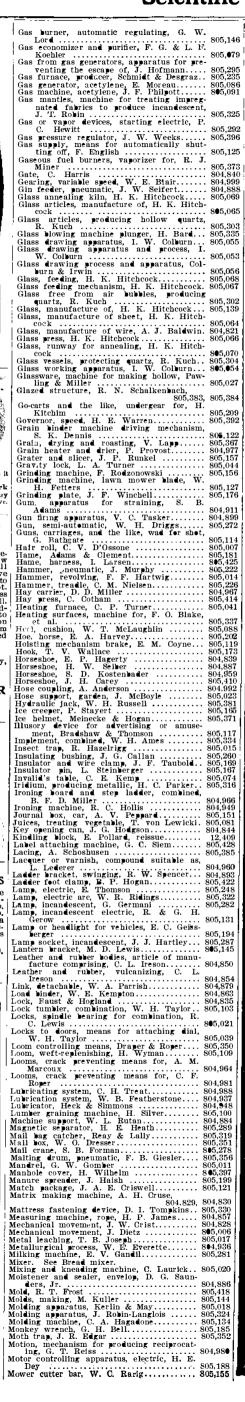


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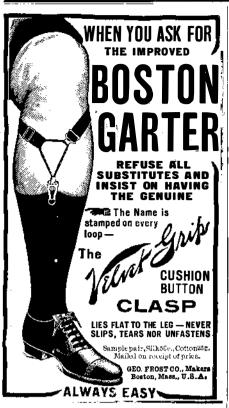
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An interesting and timely volume on the great subject of the contradictions between science and religion. The author, W. H. Mallock, takes a new point of view. He accepts all the new teachings of science, and then, adopting the scientific method, goes on to show how religion may still justify itself and solve the apparent contradictions that beset an ultimate solution. Price \$1.75 net.

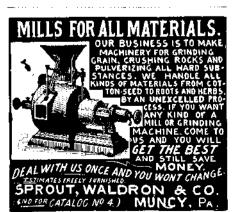
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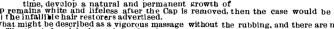


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Punching machine, automatic, Gada & Jen kins kins clothes rack Radiators Briscose Radiators Briscose Radiators Briscose Radiators Briscose main foot rest for 805,496 Radiators Briscose main foot rest for 805,496 Radiators Mr. A. Simal and foot rest for 805,496 Radia clared, third, Hickerson & Phalon 805,062 Radia clared, third, Hickerson & Phalon 805,062 Radia clared, third, Hickerson & Phalon 805,062 Radiaway block and despatching system Gallarher & Gillett 805,124 Radiaway radi stary H. H. Sponensurg 805,101 Radiaway radi stary H. H. Sponensurg 805,101 Radiaway radi stary H. H. Sponensurg 805,101 Radiaway switch J. W. Wite 805,255 Radiaway switch J. W. Wite 805,256 Radiaway switch J. W. Wite 805,261 Radiaway switch J. W. Wite 805,261 Radiaway switch J. W. Austin 805,261 Radiaway switch J. L. Catlett 805,261 Radiaway staff system for centrolling the traffic, along single track, T. H. Patconal 805,262 Radiaway Radiaway Radiaway Radiaway Radiaway Radiaway 805,261 Radiaway Radiaway Radiaway 805,261 Ra		Pump, hand operated, W. H. Jordan Pump plungers, driving mechanism for two,	805,206	
Radia tees, drying rail and foot cest for heat, A. Sims Sensitive Sensit		Pumping engine, Davis & King Punching machine, automatic, Gadd & Jen-	805,267	
Radiators, drying rail and foot rest for Ralla to M. A. Simberger 801,166 Rall cared, three Hickerson & Phalon 805,062 Ralls, sleet cutter fer third, Dunbar & Rallway Hock and despatching system, Gallarher & Gillett 805,419 Rallway rail sinty, H. H. Sponenburg 805,101 Rallway switch, D. W. Hundley 804,989 Rallway switch, J. W. Hundley 804,989 Rallway switch, J. W. Hundley 805,232 Rallway switch, J. Watter 805,232 Rallway switch, J. Watter 805,233 Rallway switch, J. Watter 805,233 Rallway stee, J. L. Catlett 805,261 Rallway stee, J. L. Catlett 805,261 Rallway staff system for centrolling the traffic, along single track, T. H. Patchall 805,261 Register, H. J. Elsen 805,263 Recking chair, F. Kehn 805,000 Recking chair, F. Kehn 805,000 Recking chair, F. Kehn 805,000 Recking chair, F. Kehn 805,162 to 805,164 Rotary kill, Legan & Simmens. 805,233 Relation 805,000 Recking chair, R. Rothir, 805,162 to 805,164 Rotary kill, Legan & Simmens. 805,162 Rubber and leather, attachmen of, C. L. Rother 10cks 805,213 Rubber and leather, attachmen of, C. L. Rother 10cks 805,164 Rotary kill, Legan & Simmens. 805,162 Rad blast, E. P. Reichhelm 805,164 Rad blast, E. P. Reichhelm 805,164 Rad sand, Level, combined folding plumb, H. Dicks 805,213 Rad blast, E. P. Reichhelm 805,000 Rocker, S. Reichhelm 805,000 Rocker	!	kins	805,192 804 926	ļ
Ragers	ĺ	Radiators, drying rail and foot rest for heat, M. A. Sims	805,240	í
Ragers 805,124 Railway block and despatching system, Gallar Railway rail foint, J. W. Walker 804,989 Railway rail foint, J. W. Walker 804,989 Railway switch, J. Walter 806,265 Railway switch, J. Walter 805,261 Railway staff system for centrolling the traffic, along single track, T. H. Patchall 805,261 Railway staff system for centrolling the traffic, along single track, T. H. Patchall 805,262 Railging key E. B. Oraft. 805,263 Register, H. J. Elsen 805,263 Rocking chair, F. Kahn	I	Rail, electric, L. Steinberger	805,166	
Register, H. J. Eisen 805,273	İ	Regers	805,124	
Register, H. J. Eisen 805,273	I	Railway rail stay, H. H. Sponenburg	804,989 805,101	
Register, H. J. Eisen 805,273	I	Railway switch, C. W. Hundley	804,952 805,390 805,413	ı
Register, H. J. Eisen 805,273	ı	Railway tie, W. A. Austin	805,255 $805,261$	
Register, H. J. Eisen 805,273	I	Railways, staff system for controlling the traffic, along single track, T. H. Pat- enall	805,026	
Rube and Ivvel, combined folding plumi. H. Dicks 985,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,160 Sand blast, E. P. Reichhelm 805,029 Sanding and polishing machine, E. Tyden 804,902 Sash lock, F. O. Andrews. 804,904 Saw and scriber, combined hand, H. C. Malick 805,022 Sanding and polishing machine, E. Tyden 804,902 Saw and scriber, combined hand, H. C. Scale, combined spring and lever, C. H. Haggood 804,915 Scale, spring balance, W. H. Sandersen 804,895 Scale, weighing, A. W. Barnard 804,915 Scale, spring balance, W. H. Sandersen 804,891 Scraper, soot, A. H. Blackburn 804,921 Scraper, wheeled J. M. Brocks 805,228 Screen striker or agitator, Johnson & Collins Screen valve, self-cleaning air, W. T. Sears, 805,227 Scrolls, machine for the manufacture of, M. Pembroke 804,825 Scale for boxes, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Sharpening edge tools, device for, J. D. Yow 805,322 Sharpening edge tools, device for, J. D. Yow 805,322 Shears, tension device for, M. A. Mihills 805,219 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Shoe polishing machine, J. W. Osborne 804,878 Shoe tree, J. E. Baker 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Shoe tree, J. E. Baker 805,098, 805,095 Shoe feem, J. A. Niles 805,275 Shoe popers, forming and cutting, W. Kenngott 805,275 Shens polishing machine, H. D. Oppenhelmer 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,238 Slimine gaparatus, E. Parrish 805,229 Spinning machine, C. Wee & Pollawski 805,230 Sleigh gaparatus for utilizing exhaust	I	Regenerative muffle furnace, W. R. Miller Register, H. J. Eisen	805,372 805,273	
Rube and Ivvel, combined folding plumi. H. Dicks 985,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,160 Sand blast, E. P. Reichhelm 805,029 Sanding and polishing machine, E. Tyden 804,902 Sash lock, F. O. Andrews. 804,904 Saw and scriber, combined hand, H. C. Malick 805,022 Sanding and polishing machine, E. Tyden 804,902 Saw and scriber, combined hand, H. C. Scale, combined spring and lever, C. H. Haggood 804,915 Scale, spring balance, W. H. Sandersen 804,895 Scale, weighing, A. W. Barnard 804,915 Scale, spring balance, W. H. Sandersen 804,891 Scraper, soot, A. H. Blackburn 804,921 Scraper, wheeled J. M. Brocks 805,228 Screen striker or agitator, Johnson & Collins Screen valve, self-cleaning air, W. T. Sears, 805,227 Scrolls, machine for the manufacture of, M. Pembroke 804,825 Scale for boxes, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Sharpening edge tools, device for, J. D. Yow 805,322 Sharpening edge tools, device for, J. D. Yow 805,322 Shears, tension device for, M. A. Mihills 805,219 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Shoe polishing machine, J. W. Osborne 804,878 Shoe tree, J. E. Baker 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Shoe tree, J. E. Baker 805,098, 805,095 Shoe feem, J. A. Niles 805,275 Shoe popers, forming and cutting, W. Kenngott 805,275 Shens polishing machine, H. D. Oppenhelmer 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,238 Slimine gaparatus, E. Parrish 805,229 Spinning machine, C. Wee & Pollawski 805,230 Sleigh gaparatus for utilizing exhaust	I	Riveting device, F. Sheppard Rock drill, W. J. Ertle.	805,239 805,008	l I
Rube and Ivvel, combined folding plumi. H. Dicks 985,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,160 Sand blast, E. P. Reichhelm 805,029 Sanding and polishing machine, E. Tyden 804,902 Sash lock, F. O. Andrews. 804,904 Saw and scriber, combined hand, H. C. Malick 805,022 Sanding and polishing machine, E. Tyden 804,902 Saw and scriber, combined hand, H. C. Scale, combined spring and lever, C. H. Haggood 804,915 Scale, spring balance, W. H. Sandersen 804,895 Scale, weighing, A. W. Barnard 804,915 Scale, spring balance, W. H. Sandersen 804,891 Scraper, soot, A. H. Blackburn 804,921 Scraper, wheeled J. M. Brocks 805,228 Screen striker or agitator, Johnson & Collins Screen valve, self-cleaning air, W. T. Sears, 805,227 Scrolls, machine for the manufacture of, M. Pembroke 804,825 Scale for boxes, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Sharpening edge tools, device for, J. D. Yow 805,322 Sharpening edge tools, device for, J. D. Yow 805,322 Shears, tension device for, M. A. Mihills 805,219 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Shoe polishing machine, J. W. Osborne 804,878 Shoe tree, J. E. Baker 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Shoe tree, J. E. Baker 805,098, 805,095 Shoe feem, J. A. Niles 805,275 Shoe popers, forming and cutting, W. Kenngott 805,275 Shens polishing machine, H. D. Oppenhelmer 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,238 Slimine gaparatus, E. Parrish 805,229 Spinning machine, C. Wee & Pollawski 805,230 Sleigh gaparatus for utilizing exhaust	I	Rocking chair, F. Kohn Rolling axles and the like, apparatus for, Walker & Peacock	804,958 805,391	7
Rube and Ivvel, combined folding plumi. H. Dicks 985,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,314 Safety pin, H. R. Sargent 805,160 Sand blast, E. P. Reichhelm 805,029 Sanding and polishing machine, E. Tyden 804,902 Sash lock, F. O. Andrews. 804,904 Saw and scriber, combined hand, H. C. Malick 805,022 Sanding and polishing machine, E. Tyden 804,902 Saw and scriber, combined hand, H. C. Scale, combined spring and lever, C. H. Haggood 804,915 Scale, spring balance, W. H. Sandersen 804,895 Scale, weighing, A. W. Barnard 804,915 Scale, spring balance, W. H. Sandersen 804,891 Scraper, soot, A. H. Blackburn 804,921 Scraper, wheeled J. M. Brocks 805,228 Screen striker or agitator, Johnson & Collins Screen valve, self-cleaning air, W. T. Sears, 805,227 Scrolls, machine for the manufacture of, M. Pembroke 804,825 Scale for boxes, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 804,825 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Scal for boxes, bags, etc., E. J. Brooks 805,221 Sharpening edge tools, device for, J. D. Yow 805,322 Sharpening edge tools, device for, J. D. Yow 805,322 Shears, tension device for, M. A. Mihills 805,219 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Sheep hook, A. G. Adair. 805,095 Shoe polishing machine, J. W. Osborne 804,878 Shoe tree, J. E. Baker 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Sheep separating and feeding mechanism C. E. Sage 805,098, 805,095 Shoe tree, J. E. Baker 805,098, 805,095 Shoe feem, J. A. Niles 805,275 Shoe popers, forming and cutting, W. Kenngott 805,275 Shens polishing machine, H. D. Oppenhelmer 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,275 Sleighs, apparatus for portable, A. K. Ramsdell 1990, 805,238 Slimine gaparatus, E. Parrish 805,229 Spinning machine, C. Wee & Pollawski 805,230 Sleigh gaparatus for utilizing exhaust		Rotary engine, N. R. Smith805,162 to Rotary kiln, Legan & Simmens	805,164 805,213	
Rule and Ivvel, combined folding plumb, H. Dicks Sadety pin, H. R. Sargent Safety pin, H. R. Sargent Safety pin, H. R. Sargent Safety pin, H. R. Sargent Sand blast, E. P. Reichhelm Sanding and polishing machine, E. Tyden. Sanding and polishing machine, E. Tyden. Sandung and polishing machine, E. Tyden. Save and scriber, combined hand, H. C. Malick Scale, combined spring and lever, C. H. Haggod Sale, computing, S. J. Austin Scale, spring balance, W. H. Sandersen. Sol, 984, 994 Scale, computing, S. J. Austin Scale, spring balance, W. H. Sandersen. Sol, 984, 885 Scale, weighing, A. W. Barnard Scale, weighing, A. W. Barnard Scaper, soot, A. H. Blackburn. Sol, 984, 895 Scale, weighing, A. W. Barnard Screper, wheeled, J. M. Brocks Screen valve, self-cleaning air, W. T. Sears. Soc, 258 Screen valve, self-cleaning air, W. T. Sears. Soc, 258 Screen valve, self-cleaning air, W. T. Sears. Soc, 258 Screen valve, self-cleaning air, W. T. Sears. Soc, 258 Scal, bottle, J. Wernitz Scal, bottle, J. Wernitz Scal for boxes, etc., E. J. Brooks. Sol, 231 Scal for boxes, etc., E. J. Brooks. Sol, 231 Scal for boxes, sugs, etc., E. J. Brooks. Sol, 232 Scal press, ratchet, E. J. Brooks. Sol, 233 Shaft coupling, R. H. Rice Scal press, ratchet, E. J. Brooks. Sol, 233 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, J. D. Yow Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, J. D. Yow Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, R. H. Rice Scalparpening edge tools, device for, S. Sol, 333 Shaft coupling, S. Sol, 334 Shaft coupling, S. Sol, 334 Shaft coupling, S. Sol, 334 Shaft coupling, S. Sol, 334 Shaft coupling, S. Sol, 334 Shaft coupling,	I	Ireson	804,853 804,851	
Scale combined spring and lever, C. H. Hargood Hargood Hargood Scale, computing, S. J. Austin Scale, computing, S. J. Austin Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scraper, soot, A. H. Blackburn. S04,931 Scraper, wheeled, J. M. Breaks Screen striker or agitator, Jehnson & Collins Screen valve, self-cleaning air, W. T. Sears Screen valve, self-cleaning air, W. T. Sears Scrolls, machine for the manufacture of, M. Pembroke Scrolls, machine for the manufacture of, M. Pembroke Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, bags, etc., E. J. Brooks Seal for boxes, boxes, etc., E. J. Brooks Seal for boxes,	1	Rule and l-vel, combined folding plumb, H. Dicks Saddletree. gig. J. McGuire	805,348 805,314	
Scale combined spring and lever, C. H. Hargood Hargood Hargood Scale, computing, S. J. Austin Scale, computing, S. J. Austin Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scraper, soot, A. H. Blackburn. S04,931 Scraper, wheeled, J. M. Breaks Screen striker or agitator, Jehnson & Collins Screen valve, self-cleaning air, W. T. Sears Screen valve, self-cleaning air, W. T. Sears Scrolls, machine for the manufacture of, M. Pembroke Scrolls, machine for the manufacture of, M. Pembroke Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, bags, etc., E. J. Brooks Seal for boxes, boxes, etc., E. J. Brooks Seal for boxes,	i	Safety pin, H. R. Sargent	805,160 805,029	
Scale combined spring and lever, C. H. Hargood Hargood Hargood Scale, computing, S. J. Austin Scale, computing, S. J. Austin Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scale, spring balance, W. H. Sandersen. S04,931 Scraper, soot, A. H. Blackburn. S04,931 Scraper, wheeled, J. M. Breaks Screen striker or agitator, Jehnson & Collins Screen valve, self-cleaning air, W. T. Sears Screen valve, self-cleaning air, W. T. Sears Scrolls, machine for the manufacture of, M. Pembroke Scrolls, machine for the manufacture of, M. Pembroke Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, etc., E. J. Brooks Seal for boxes, bags, etc., E. J. Brooks Seal for boxes, boxes, etc., E. J. Brooks Seal for boxes,	I	Sash lock, F. O. Andrews	804,994	
Scale, spring balance, W. H. Sandersen		Scale combined spring and lever C. H.	000,000	
Scraper, wheeled, J. M. Breeks. 805,258 Screen striker or agitator, Jehnson & Collins Screen valve, self-cleaning air, W. T. Sears 805,237 M. Pembroke 805,231 Scal, bottle, J. Wernitz 805,048 Seal for boxes, etc., E. J. Brooks 804,825 Seal for boxes, bags, etc., E. J. Brooks 804,825 Seal for boxes, bags, etc., E. J. Brooks 805,231 Seal, bottle, J. Wernitz 805,231 Seal for boxes, etc., E. J. Brooks 804,825 Seal for boxes, bags, etc., E. J. Brooks 805,237 Semaphore signal, R. Herman 805,291, 805,232 Sharf coupling, R. H. Rice 805,232 Sharf coupling, R. H. Rice 805,232 Sharf coupling, R. H. Rice 805,232 Sharpening edge tools, device for, J. D. Yow 805,232 Sheers, tension device for, M. A. Mihills 805,232 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,393 Sheet metal, making oxid coated, A. Ridd 805,395 Shee polishing machine, J. W. Osborne 804,878 Shoe ferm, J. A. Niles 805,393 Shoe tree, J. E. Baker 804,397 Shoe tree, J. E. Baker 804,397 Shoe tree, J. E. Baker 805,373 Shoe tree, J. E. Baker 805,275 Shutter fastener, A. B. Landis 805,210 Shingle gage and clutting, W. Kenngott 805,210 Shingle gape and cutting, W. Kenngott 805,210 Shoe tree, J. E. Allison 804,819 Signaling system, P. Winson 805,275 Slim separator, ore, E. Hedwurg 805,275 Sleigh, apparatus for portable, A. K. Ramsfell 805,210 Slime separator, ore, E. Hedwurg 805,273 Slime separator, ore, E. Hedwurg 805,273 Slime separator, ore, E. Hedwurg 805,273 Slime sparator, ore, E. Hedwurg 805,273 Slime sparator, ore, E. Hedwurg 805,273 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Fauls 805,218 Spinning machine, C. Shacketon 805,246 Spoiling machine, W. J. Kennedy 805,246 Spoiling machine, W. J. Kennedy	1	Scale, computing, S. J. Austin	804,915 804,885	
Screen valve, self-cleaning air, W. T. Sears S05,237 Scrolls, machine for the manufacture of S05,231 Seal, bottle, J. Wernitz S05,048 Seal for boxes, etc., E. J. Brooks S04,825 Seal press, ratchet, E. J. Brooks S04,824 A S05,257 Semaphore signal, R. Herman S05,291 S05,252 Sharry, tension device for, J. D. Yow S05,232 Sharpening edge tools, device for, J. D. Yow S05,232 Shears, tension device for, M. A. Millills S05,291 Sheep hook, A. G. Adair S06,093 Sobeet metal, making oxid coated, A. Ridd S05,095 Sobeet separating and feeding mechanism, C. E. Sage S06,098, S05,099 S05,353 Sheet metal, making oxid coated, A. Ridd S05,095 Sheet separating and feeding mechanism, C. E. Sage S06,098, S05,099 S05,359 Sobee ferm, J. A. Niles S06,098 S05,379 Shoe polishing machine, J. W. Osborne S04,917 Shoe uppers, ferming and cutting, W. Kenngott Sobeet feeding machine, A. B. Landis S05,275 Signaling system, J. E. Allison S05,275 Signaling system, J. E. Allison S04,819 S05,275 Signaling system, J. E. Allison S05,275 S16,275		Scraper, soot, A. H. Blackburn Scraper, wheeled, J. M. Brooks	804,918 804,921 805,258	j
Seal, bottle, J. Wernitz 805,048 Seal for boxes, etc., E. J. Brooks 804,824 Seal for boxes, bags, etc., E. J. Brooks 804,824 Seal press, ratchet, E. J. Brooks 805,231 Seal for boxes, bags, etc., E. J. Brooks 805,232 A Seal press, ratchet, E. J. Brooks 805,231 Seal for boxes, bags, etc., E. J. Brooks 805,232 Seal press, ratchet, E. J. Brooks 805,232 A Seal press, ratchet, E. J. Brooks 805,232 A Seal for boxes, bags, etc., E. J. Brooks 805,232 A Seal for boxes, Bags, etc., E. J. Brooks 805,232 A Seal for boxes, E. J. Brooks 805,231 Shaft coupling, R. H. Rice 805,231 Shaft coupling, R. H. Rice 805,231 Sheep hoek, A. G. Adair. 804,910 Sheet holder, loose, E. C. Washburn 805,303 Sheet holder, loose, E. C. Washburn 805,305 Sheet separating and feeding mechanism, C. 805,095 Sheet separating and cutting, W. Kenngolt 806,205 Shingle gage and clamp, G. Reed 803,379 Shoe tree, J. E. Baker 805,275 Shoet ree, J. Cahill 804,929 Signaling fastener, S. Fisher 805,275 Shutter fastener, A. B. Landis 805,210 Signaling system, J. E. Allison 804,810 Signaling system, J. E. Allison 804,810 Signaling system, J. E. Allison 805,276 Sleighs, apparatus for portable, A. K. Ramselling sparatus, E. Parrish 805,278 Slime separator, ore, E. Hedburg 805,278 Slime separator, ore, E. Hedburg 805,278 Slime separator, ore, E. Hedburg 805,278 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,278 Spinning ring pelishing apparatus, F. H. Thompson 805,246 Spooling machine, Cowles & Pollard 805,246 Spooling machine, W. J. Kennedy 805,246 Spooling machine, W. J. Kennedy 805,305 Stalfway rod fastener, J. Mallen 805,307 Stamping machine, metal, F. Sporer 805,246 Steam and het water heater, J. E. Frost 805,340 Stamping machine, W. J. Kennedy 804,920 Steering wheel, J. W. Johnson 804,92			804,858	
Seal for boxes, etc., E. J. Brooks.	I	Scrolls, machine for the manufacture of, M. Pembroke	805,231	
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	ľ	Seal, bottle, J. Wernitz Seal for boxes, etc., E. J. Brooks.	805,048 ! 804,825	
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	l	Seal press, ratchet, E. J. Brooks	805,257 805,433	
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	l	Shaft coupling, R. H. Rice	805,232 805,332 805,219	1
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	l	Sheep hook, A. G. Adair	$804,910 \\ 805,393$	fo
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	ŀ	Sheet metal, making oxid coated, A. Ridd Sheet separating and feeding mechanism, C. E. Sage805,098, 805,099,	805,095	
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	ŀ	Shingle gage and clamp, G. Reed	\$05,094 805,379	Ī
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	ŀ	Shoe tree, J. E. Baker	804,917	İ
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404	ŀ	gott Shoestring fastener, S. Fisher Shutter fastener, A. B. Landis	805,275 805,210	1
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404		Shutter, rolling, J. Cahill Sign, illuminated, Elliott & Lucien.	804,929 805,353	İ
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404		Signaling system, P. Winsor	805,108 805,150	
Slime treating apparatus, E. Parrish 805,229 Sound conveying apparatus, R. A. Antheny 804,995 Spinning and winding yarn, machine for simultaneously, A. J. & H. A. Feulds 805,129 Spinning machine, S. Shackleton 805,238 Spinning ring pelishing apparatus, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Special Research Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Spinning rings, polishing, F. H. Thempson 805,246 Statisming machine, M. J. H. Daniels 805,307 Stamping machine, W. J. Kennedy 806,340 Ktatlen indicator or register, autematic, F. B. Potter 804,976 Steam and het water heater, J. E. Frost 804,976 Steam and het water heater, J. E. Frost 805,354 Steam and het water heater, J. E. Frost 805,340 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Steroscraph mounting apparatus C. S. Beach. 805,404		Sled, C. R. Forward Sleighs, apparatus for portable, A. K. Rams-	805,279	
Spinning ring pelisning apparatus, F. H.		Slicer, cabbage core, R. Zastrow	805,179 804,841	. <u> </u>
Spinning ring pelisning apparatus, F. H.		Sound conveying apparatus, E. Parrish Spinning and winding yarn, machine for	805,229	
Spinning rings, polishing, F. H. Thempson. 805,246 Spealing machine, Cewles & Pollard. 805,246 Square, D. B. Lynch. 805,216 Square, folding try, J. H. Daniels. 805,358 Stairway red fastener, J. Mallen. 805,307 Stamping machine, metal, F. Sperer. 805,241 Ktapling machine, W. J. Kennedy. 804,864 Station indicator or register, automatic, F. B. Potter. 804,976 Steam and bet water heater, J. E. Frost. 805,354 Steam, apparatus for utilizing exhaust, J. F. A. Bruun. 805,340 Steam generator, wick, J. V. Poplawski. 804,973 Steam trap, S. Bezvoda. 804,920 Steering wheel, J. W. Johnson. 804,955 Stereograph mounting superatus C. S. Beach, 805,440				
Stapling machine, W. J. Kennedy	ĺ	Thempsen	805,245 805,246	-
Stapling machine, W. J. Kennedy		Specing machine, Cowles & Pollard Square, D. B. Lynch	805,265 805,216 805,058	
Station indicator or register, automatic, F. B. Potter	ĺ	Stairway red fastener, J. Mallen	0,000,22.	KI
Steam generator, wick, J. V. Poplawski. 804,973 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Stereograph mounting apparatus C. S. Beach 805,404		Stapling machine, W. J. Kennedy	804,864	
Steam generator, wick, J. V. Poplawski. 804,973 Steam trap, S. Bezvoda 804,920 Steering wheel, J. W. Johnson 804,955 Stereograph mounting apparatus C. S. Beach 805,404	١	Steam and het water heater, J. E. Frost Steam, apparatus for utilizing exhaust, J.	805,354	•
Steering wheel, J. W. Johnson		Steam generator, wick, J. V. Poplawski Steam trap, S. Bezvoda	805,340 804,973 804,920	1
Store goods lifter, J. H. Beltz. 805,405 Stuffing box gland, Maloy & Trenker. 805,308 Suspenders, C. A. Murray 804,871 Suspenders, W. Freeman 804,942		Steering wheel, J. W. Johnson	804,955 805,404	
Suspenders, U. A. Murray 804,871 Suspenders, W. Freeman 804,942	ļ	Store goods lifter, J. H. Beltz	805,405 805,308	
		Suspenders, U. A. Murray Suspenders, W. Freeman	804,942	4



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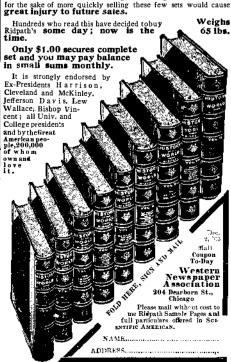
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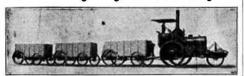
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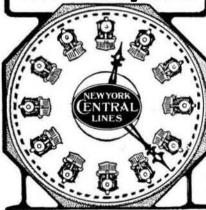


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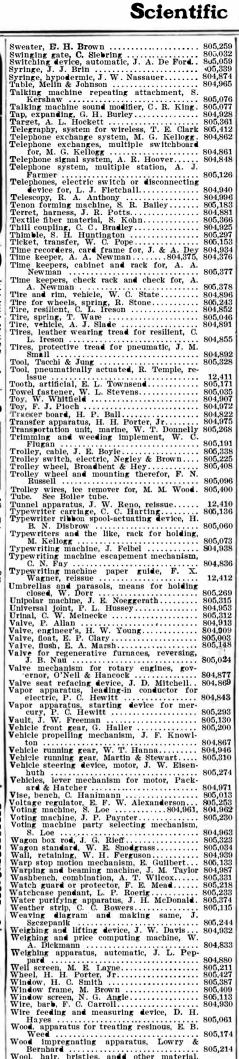
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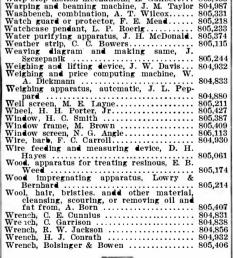
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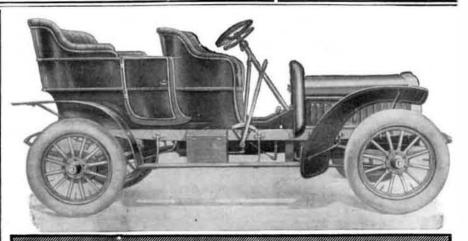


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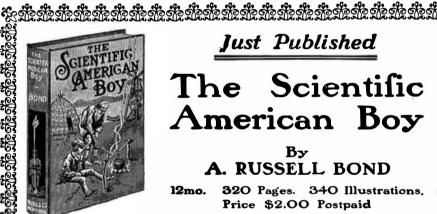
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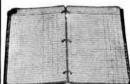


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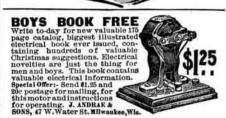
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