



Crank arm, extensible, G. Kibbe.....	385,717	Jack. See Lifting jack.		Shifting seat, C. C. Adelsperger.....	385,831	Ointment, veterinary, S. Heiser.....	15,670
Crate, folding shipping, S. G. Travis.....	385,972	Japanning machine, I. G. Hooper.....	385,833	Shoe fastening, G. H. Courson.....	385,846	Packing constructed wholly of flax fiber with a red cord center, W. T. Y. Schenck.....	15,674
Cuff holder, S. B. Bacon.....	386,101	Keas, bottles, etc., tap for, Schofield & Brierley.....	385,730	Shovel blank, J. J. Johnston.....	385,810	Pomades for toilet use, J. E. Brearey.....	15,684
Cuff holder, adjustable, J. N. Clouse.....	386,001	Knife sharpener, W. E. Ginn.....	385,706	Shovel blanks, machine for cutting and splitting, J. J. Johnston.....	385,811	Remedy for dyspepsia, G. Grader & Co.....	15,688
Cut-off to prevent freezing in water pipes, H. K. Whitner.....	386,038	Knob, A. T. Matthews.....	385,814	Shovel blanks, making, J. J. Johnston.....	385,808	Washing powder, Hodgson & Co.....	15,671
Cutter. See Band cutter. Nallcutter. Paper cutter.		Ladder, flexible extension, D. Parks.....	385,874	Shovel blanks, making, H. M. Myers.....	385,819		
Damper, automatic, Arnold & Staples.....	385,692	Ladders to prevent accidents from slipping, etc., shoe for, W. B. Harrison.....	385,806	Shovels, etc., making blanks for, J. J. Johnston.....	385,809		
Damper, stove pipe, J. E. Fenner.....	385,923	Lamp, arc, J. E. Gaston.....	385,706	Shutter bower, H. W. Steiner.....	385,732		
Dental engine, W. A. Knowles.....	385,812	Lamp, gas, J. W. Baker.....	385,785	Sign, W. H. Coote.....	385,912		
Dentistry, operative, C. H. Land.....	385,718	Lamp shade, G. Watson.....	386,046	Signal. See Railway signal. Railway station signal. Railway time signal. Switch signal. Train order signal.			
Disintegrator and strainer, W. P. Dodson.....	386,061	Lamps, automatic cut-out for incandescent, Wightman & Lemp.....	386,099	Signal lines, compensator for, A. A. Strom.....	385,884		
Display stand, traveling, N. B. Haynes.....	385,755	Lamps, extinguisher mechanism for, W. Snelgrove.....	386,039	Sluice box, J. H. Rae.....	386,030		
Door, J. N. Lilygren.....	386,018	Lantern, railway signal, C. H. Peters.....	385,877	Snow excavator, rotary, S. H. Dunning.....	385,700		
Door check and spring, S. Pickering et al.....	385,958	Lawn rake, I. Gibbs.....	385,751	Soldering machines, can delivery device for, J. W. Roberts.....	385,775		
Door hanger, G. F. Grannis.....	385,708	Leather, ornamenting, P. Hannig.....	385,926	Speaking tube, carriage, G. A. Beach.....	386,058		
Door securer, A. J. Chase.....	385,906	Leggin, W. H. Wiley.....	386,047	Spectacles, repair clamp for, N. J. Eddy.....	386,004		
Door, self-closing, M. Tillotson.....	386,042	Lemon juice extractor, J. L. Basley.....	385,851	Spring. See Car spring.			
Drawing board, D. D. Huyett.....	386,072	Life-saving buoy boat, J. Sample.....	385,961	Square and bevel, try, C. W. Reeves.....	386,033		
Drawing on marble, R. Durbin.....	386,062	Lifting jack, A. A. Strom.....	385,885	Square, rule, calipers, and dividers, combined, F. E. Nutting.....	385,822		
Dredging machine, Knight & Lambing.....	385,759	Lock. See Bedstead slat lock. Electric lock. Nut lock. Sash lock.		Stand. See Display stand.			
Dress form, P. Quinn.....	385,725	Locomotive boiler, G. S. Strong.....	385,938	Steering apparatus, J. H. Konitzky.....	385,936		
Drilling and tapping machine, stay bolt hole, T. Reese, Jr.....	386,032	Looms expanding pulley of shuttle box motions for, H. Wyman.....	385,896	Stool, store counter, G. Scott.....	385,062		
Dust collecting machine, J. B. Allfree.....	385,899	Marble, composition for artificial, L. Van den Steen.....	386,039	Stove, P. D. Beckwith.....	385,991		
Dust collector, H. Seck.....	386,037	Measuring machine, cloth, C. H. Young.....	386,050	Stove, H. Lindas.....	385,388		
Electric battery, W. P. Kookogey.....	385,760	Mechanical movement, W. A. Pitt.....	386,027	Street or station indicator, M. Anthony.....	385,985		
Electric battery, I. L. Roberts.....	386,030	Metal turning and polishing tool, E. A. Howe.....	386,013	Strength testing machine, coin-controlled, J. Devantery.....	385,921		
Electric conductor, L. Daft.....	385,915	Metals from rust, manufacture of paste for polishing and protecting, Rosenfeld & Zeleny.....	385,776	Surgeon's silk or catgut, package of, J. E. Lee.....	385,937		
Electric lock, F. J. Gridley.....	386,066	Meter. See Fluid meter.		Suspenders, F. L. Akerley.....	385,898		
Electric machine, magnet, W. Humans.....	386,071	Mould for hollow articles, W. Hainsworth.....	386,067	Switch. See Electric switch. Electrical switch. Switch boards, wiring, J. A. & F. B. Cook.....	385,846		
Electric machines, commutator for dynamo, F. B. Mitchell.....	385,943	Motor engine operated by the combustion of liquid hydrocarbon, W. D. & S. Priestman.....	386,029	Switch operating mechanism, A. K. Mansfield.....	386,020		
Electric switch, S. S. Wheeler.....	385,782	Mower, Hoke & Harris.....	385,862	Switch signal, E. R. E. Cowell.....	386,057		
Electrical instruments, protector for, G. W. & W. Minzle.....	385,770	Mower, F. N. Violet.....	385,979	Syringe, vaginal, J. M. Combs.....	385,911		
Electrical switch, J. E. Mayo.....	385,815	Mowers, journal bearing for lawn, C. Newhall.....	386,082	Table. See Ironing table. Pool and billiard table. Turntable.			
Elevator, A. C. Newton.....	385,722	Mowing machine, F. M. Hunt.....	386,015	Tack strips, machine for heading, J. E. Crisp.....	385,747		
End gate, E. Burklund.....	385,841	Multiple switch board, M. G. Kellogg.....	385,883	Tack strips, machine for heading, Grandy & Copeland.....	385,753		
Engine. See Dental engine. Motor engine. Rotary engine.		Multiple switch board, A. Sechrist.....	385,826	Tag fastener, C. W. Sheppard.....	385,965		
Engines, speed and pressure regulator for blowing, F. McCarthy.....	385,941	Nail cutter, T. F. Curley.....	385,914	Tank. See Flushing tank. Water closet tank.			
Evaporating liquids, apparatus for, J. U. Lloyd.....	385,939	Napkin ring, E. C. Bowling.....	385,995	Telegraphic recording apparatus, C. Cuttriss.....	386,059		
Exercising machine, S. M. Barnett.....	385,901	Nut lock, W. H. Van Wart.....	385,889	Telephone central station apparatus, Vail & Seely.....	385,977		
Extension clamp, P. S. Graves.....	386,065	Nut lock for valves, W. H. Van Wart.....	385,888	Telephone, electric, N. Parks.....	385,566		
Extractor. See Lemon juice extractor.		Oven, portable, A. Day.....	385,919	Telephone exchange signaling, Vail & Seely.....	385,978		
Fan for furniture, automatic, H. M. Bien.....	385,935	Overflow indicator, M. L. Russell.....	385,825	Telephone, mechanical, S. D. Brear.....	385,839		
Feed trough, C. Hillingsworth.....	385,756	Packing for condenser tubes, W. E. Volz.....	386,048	Telephone sub-station apparatus, Vail & Seely.....	385,975		
Feed water heater and purifier, J. Miller.....	385,769	Packing, metallic, P. F. Holmgren.....	386,011	Thill coupling, M. F. McIntyre.....	385,867		
Fence or guard, J. Norwood.....	386,083	Padlock, M. W. Fraim.....	385,799	Thread unwinder, T. Handley.....	385,857		
Fence pickets, machine for sawing, S. D. Riegel.....	386,035	Pan. See Cake or pie pan.		Threshold or door sill, Pratt & Walker.....	386,084		
Fence stay, wire, L. W. Lindley.....	386,019	Paper cutter, W. H. Golding.....	385,803	Tiling ground, apparatus for, E. R. Whitney.....	385,884		
Fence, wire, B. Scarles.....	385,729	Patterns for garments, apparatus for marking out, F. C. Noar.....	385,944	Tobacco box, C. A. Reynolds.....	385,726		
Fertilizer distributor, A. J. Baugh.....	385,990	Pencil or crayon holder, lead, O. A. Weissenborn.....	385,781	Tool, combination, cook, W. R. Buzzell.....	386,055		
File box, H. A. Curtis.....	386,058	Photographic emulsion, manufacturing supports for, F. H. Froedman.....	386,006	Tool post ring, W. S. Cobb.....	385,845		
File or other rack, revolving adjustable paper, C. H. Dexter.....	385,691	Photographic film, E. E. Ellis.....	385,797	Topographical measurements, machine for taking and recording, J. W. Snapp.....	385,827		
Filing papers, J. M. Junkin.....	385,758	Piano action, J. McDonald.....	386,079	Torpedo machines, tray for, J. J. Detwiler.....	385,795		
Firearm, magazine, F. Passler.....	385,875	Piano forte, J. McDonald.....	386,080	Toy hoop, H. D. Gardy.....	385,704		
Fireproof composition, J. Blaszkaye.....	385,694	Pickets and balusters, pattern for, S. D. Riegel.....	386,034	Toy riding stick, S. E. Clark.....	385,910		
Fish hook, J. H. Hunter.....	385,913	Pin. See Safety pin.		Train order signal, A. A. Strom.....	385,883		
Fishing reel, A. B. Hendryx.....	385,931	Pipe coupling, F. M. Wilder.....	385,740	Trap. See Animal trap.			
Flax, etc., apparatus for breaking, scutching, and cleaning, J. O. Wallace.....	385,737	Planing and drilling machine, automatic wood, C. E. Bickford.....	385,835	Trough. See Feed trough.			
Flour mills, grinding rolls for, H. A. Huefner.....	386,014	Planing machine, Woods & Thomas.....	385,895	Tube. See Speaking tube.			
Fluid meter, rotary, J. A. Tilden.....	385,970	Planter combined, corn and cotton, J. C. Mallison.....	385,940	Tug, French & Malby.....	385,856		
Fluids, apparatus for mixing aeriform, Morrin & Cosgrove.....	385,873	Planter, corn, J. M. Johnston.....	386,016	Turtable for tramways or street railways, Huston & Martin.....	385,807		
Flushing tank for closets, automatically operating, F. H. Paradise.....	385,823	Planter, corn, H. S. McMillan.....	385,817	Tuyere for forges, H. T. Nielsen.....	385,728		
Foot warming apparatus for beds, J. A. Lewis.....	385,865	Planter, sulky lister plow corn, L. E. Waterman.....	385,738	Twine holder, automatic, D. A. Morrison.....	386,081		
Forgings, machine for making rolled, C. E. Gould.....	385,752	Plotting contours of ground, instrument for, M. Stixrud.....	385,780	Type writing machine, G. W. N. Yost.....	386,100		
Frame. See Harvester frame.		Pool and billiard table, combination, R. L. Rink.....	386,073	Umbrella, cane, J. McCormick.....	386,078		
Fruit packing press, E. A. Chatfield.....	385,907	Pot. See Coffee pot.		Valve, automatic, Timlin & Heidingen.....	386,043		
Fruit press, G. L. Cudner.....	385,637	Power. See Horse power.		Valve, engine, G. S. Strong.....	385,967		
Furnace. See Gas furnace.		Press. See Baling press. Fruit press. Fruit packing press.		Valve, hydraulic, M. B. Kirker (r).....	10,943		
Furnace for heating wheel tires, J. B. Hannay.....	385,925	Printing machine, lithographic, J. T. Hawkins.....	385,860	Valve, steam engine, F. D. Child.....	385,843		
Furnace fuel feeder, Cochran & Lindsay (r).....	10,942	Propelling and steering apparatus for ships, etc., J. I. Thornycroft.....	386,041	Vehicle running gear, Chafey & Wilcox.....	385,744		
Furnaces, evaporating pan for hot air, F. Kernan, Jr.....	385,716	Pulley, split, Hicks & Brooksbank.....	385,712	Vehicle, two-wheeled, Morlock & Haegelin.....	385,720		
Game apparatus, F. F. Gifford.....	386,006	Pump, G. H. Caughean.....	385,842	Velocipede, J. S. Copeland.....	385,847		
Garment stays, apparatus for making, E. C. Bowling.....	385,966	Pump, beer, R. Wellens.....	385,821	Velocipede handle, T. B. Jeffery.....	385,715		
Gas furnace, retort, D. D. Flemming.....	385,854	Pump, chain, C. A. Bartlett.....	385,786	Washers, leather coil for, G. H. Avery.....	386,051		
Gate, M. Nolan.....	385,771	Pump, compound air compressing, E. C. Fasoldt.....	385,858	Watch, mainspring, D. H. Church.....	385,908		
Glass, apparatus for the manufacture of sheet, A. Thompson.....	385,735	Pump, rotary, W. B. Allyn.....	385,832	Water closet tank, A. Haarlander.....	385,709		
Glove, ball catcher's, J. W. Sauer.....	385,728	Punch, hand, W. Yates.....	385,897	Water purifying apparatus, O. H. Jewell.....	386,073		
Governor, steam engine, F. A. & T. Scheffler.....	386,036	Punching machine, check, J. N. Williams.....	385,741	Weather strip, T. Hibbert.....	385,711		
Grain, hulling, cleaning, and separating, F. Melkersman.....	385,870	Radiation, apparatus employed in systems of indirect, A. Rasser.....	386,031	Weighing and recording apparatus, automatic, E. H. Amet.....	385,900		
Graphophone, C. S. Tainter.....	385,866	Rails, straightening slot, A. J. Moxham.....	385,818	Welding by electricity, E. E. Ries.....	386,088		
Graphophonic tablet, C. S. Tainter.....	385,867	Railway and wire conduit, combined electric, E. E. Ries.....	386,087	Wheels or other bodies, machine for determining and adjusting the balance of, R. Bagaley.....	385,833		
Grate for furnaces, etc., W. Phipps.....	385,957	Railway crossing, E. R. E. Cowell.....	386,056	Window, B. F. Dettra.....	386,083		
Grater, F. Pollack.....	385,859	Railway, electric, E. M. Bentley.....	385,902	Wire, machine for screw-threading, L. Goddu.....	385,801		
Grip, pneumatic, S. P. Baird.....	385,889	Railway, electric, E. W. Heald.....	385,928	Wire tension device, W. M. Augustine.....	385,987		
Hair dressing, M. V. Babcock.....	385,988	Railway, electric, E. E. Ries.....	386,085	Wire tightener, E. A. Chase.....	385,998		
Hames, pipes, or rods, machine for bending, C. P. Spencer.....	385,778	Railway rail, F. Euphrat.....	385,701	Wood to be after bent, apparatus for steam- ing, R. T. Pettibone.....	385,578		
Hammer, drop, F. M. Leavitt.....	386,076	Railway rails, building blocks, paving blocks, etc., material for, H. F. Ferris.....	386,064	Wool scouring and washing machinery, J. & W. McNaught, Jr.....	385,761		
Handle. See Saw handle. Velocipede handle.		Railway signal, C. F. De Redon.....	385,920				
Hanger. See Door hanger.		Railway signal, E. A. Sharp.....	385,935				
Harness shaftloop, C. C. Smith.....	386,093	Railway signal, G. H. Wright.....	386,049				
Harrow, D. C. Markham.....	386,021	Railway station signal, C. J. Woodward.....	385,742				
Harrow, L. J. Weltz.....	385,739	Railway system, electric, E. M. Bentley.....	385,787				
Harrow tooth, G. Sweet.....	386,064	Railway time signal, C. Barry.....	386,052				
Harvester frame, B. F. Stewart.....	386,733	Railways, electric signal for, E. A. Sharp.....	385,984				
Harvesting and husking machine, corn, J. A. Hilbert.....	385,861	Railways, grip gear for cable street, J. Helm.....	385,930				
Harvesting machine, A. Stark.....	385,779	Railways, gripping mechanism for cable, J. Walsh, Jr.....	385,980				
Heater. See Car heater. Feed water heater.		Railways, switch on overhead lines in electric, E. M. Bentley.....	385,903				
Heel burnishing machine, W. C. Evans.....	385,702	Rake. See Lawn rake.					
Heel nailing machine, E. Merritt.....	385,748	Ratchet clutch mechanism, reversible, W. B. Turner.....	386,044				
Heel nailing, slug for, F. F. Raymond, 2d.....	385,960	Reel. See Fishing reel.					
Hemstitching, C. H. Owen.....	385,772	Refrigerating can, V. W. Blanchard.....	385,993				
Hobby, horse, W. E. Crandall.....	385,792	Regulator. See Hot air regulator.					
Hoe, E. H. Sublett.....	386,040	Rein holder, C. Wendrich.....	385,891				
Hoist, slaughter house, J. H. Tardy.....	385,969	Ring. See Napkin ring. Tool post ring.					
Hoisting tackle, J. P. Hambay.....	385,856	Rolling wire nails, machine for, A. G. Wilkins.....	385,784				
Holder. See Cuff holder. Horse tail holder. Pencil and crayon holder. Rein holder. Sash holder. Twine holder.		Rotary engine, Gregersen & Grammas.....	385,805				
Hook. See Fish hook.		Safety pin, Clark & Ingraham.....	386,000				
Hoop. See Toy hoop.		Sash holder, R. C. Boekler.....	385,904				
Horse power, M. B. Patterson.....	386,026	Sash lock, J. Jackson.....	385,985				
Horse tail holder, O. H. Muntz.....	385,721	Saw, fire wood drag, G. H. Branson.....	385,997				
Hose bridge, C. J. P. Helm.....	386,008	Saw handle, G. N. Clemson.....	385,844				
Hose couplings, self-locking automatic device for opening and closing valves to air brake, Porter & Grosvenor.....	385,959	Saw sharpening machine, A. Blackmer.....	385,824				
Hose nozzle, J. H. Johnson.....	385,757	Sawing machine, W. E. Patterson.....	385,824				
Hot air regulator, A. T. Bemis.....	385,992	Scarf, neck, L. Eschner.....	385,922				
Houses, adjustable folding partition for, C. S. Langworthy.....	385,813	School seat and desk, combined, A. Landon.....	385,864				
Hydrant, A. J. Tyler.....	386,035	Screw blanks, machine for making, C. D. Rogers.....	386,061				
Indicator. See Overflow indicator. Street or station indicator.		Screw, wood, C. D. Rogers.....	386,092				
Induction coil, coin-operated, J. W. Hazell.....	385,927	Seat. See School seat. Shifting seat.					
Ingot moulds, feeder for, S. H. Boucher.....	385,836	Seeding machine, A. N. Norris.....	385,724				
Ingot, plating, W. F. Whiting.....	385,963	Sewing machine, E. H. Trisler.....	385,973				
Ironware, enameled, H. C. Milligan.....	386,023	Sewing machine thread unwinder, A					