



Exhibiting goods, hanging device for, B. F. Zahm 280,434  
 Fabrics, apparatus for stretching, J. G. Lindemann 280,489  
 Faucet, W. Cassin 280,448  
 Feathers, machine for cleaning and sorting, W. Hammermill 280,371  
 Feed, boiler, W. B. Culver 280,721  
 Feed cup, E. J. Thomas 280,532  
 Feeder, boiler, J. S. Du Bois 280,364  
 Fence post, metallic, D. B. Oliver 280,505  
 Fence wire, machine for barbing, A. Jorgensen 280,629  
 Fermenting liquor, apparatus for and process of cooling and condensing the foam of, C. A. Maus 280,385  
 Fibers, etc., machine for obtaining or treating, Sanford & Smith 280,671  
 Fifth wheel, Clark & Parsons 280,350  
 File, etc., bill and letter, J. Smith 280,683  
 Fire alarm box lock, Pearce & Jones 280,506  
 Fire escape, J. Harper 280,741  
 Fire escape, M. E. Moore 280,653  
 Fire escape, M. S. Washburn 280,538  
 Fire escape ladder, J. H. Heath 280,373  
 Fire escape ladder, Wyatt & Holmes 280,433  
 Fire escape with an alarm attachment, J. H. Smiley 280,527  
 Fire extinguisher, A. F. Spawm 280,410  
 Fire extinguisher, automatic, G. W. Horton 280,374  
 Fish trap hook, W. N. Green 280,610  
 Flange union, T. Corris 280,353  
 Flask. See Molding flask.  
 Flour bolt, centrifugal, Holcomb & Heine 280,622  
 Flue stopper, Williams & Baker 280,700  
 Fluxing and protecting molten metals, composition to be used in, Clamer & Hendrickson 280,349  
 Foghorns, etc., apparatus for blowing, E. E. Swett 280,686  
 Fruit jar, W. A. Williamson 280,701  
 Furnace. See Gas generating furnace. Hot air furnace.  
 Gauge. See Sewing machine gauge. Weather board gauge.  
 Game counter, D. K. Horton 280,375  
 Gas burner, P. Keller 280,482  
 Gas burning apparatus, J. W. Plunkett 280,666  
 Gas generating furnace, H. B. Van Benthuyzen 280,691  
 Gas lighter, J. F. Carr 280,573  
 Gas lighting apparatus, J. H. Towan 280,689  
 Gas, process of and apparatus for manufacturing, T. G. Springer 280,770  
 Gate, Landis & Riddel 280,632  
 Gate, S. D. Muse 280,754  
 Gate, S. Peterson 280,664  
 Generator. See Steam generator.  
 Glass manufacture, apparatus for, L. E. Pfeiffer 280,397  
 Glassware, tool for forming the open ends of hollow, Willetts & Butler 280,546  
 Glue heater, W. C. Weatherly 280,540  
 Grain binder, E. S. Frost 280,461  
 Grain binder, E. W. Jenkins 280,481  
 Grain binder, S. A. Jones 280,379  
 Grain drill hoe, E. D. Mead 280,496  
 Grease trap, S. Wilcox 280,545  
 Gun sight, J. C. Kelton 280,484  
 Hame fastener, G. Banks 280,554  
 Handle. See Saw handle.  
 Hanger. See Door hanger.  
 Harrow, J. Gerstner 280,602  
 Harrow, J. H. & P. Lux 280,751  
 Harrow and drill, spring tooth, Williams & Manvel 280,548  
 Harrow and stalk cutter, combined, A. Albies 280,551  
 Harrow coupling, P. Krier 280,382  
 Harvester binder attachment, M. Hedrick 280,619  
 Harvester, corn, R. H. Taylor 280,687  
 Hay elevator, S. A. Wellman 280,424  
 Hayrack, T. L. Vought 280,693  
 Heater. See Glue heater.  
 Heel nailing machine, F. F. Raymond, 2d 280,396  
 Heel trimming machine, J. H. Busell 280,717  
 Hides, machine for unhairing, scouring, and fleshing, A. E. Whitney 280,698  
 Hinge, lock, A. Gartner 280,462  
 Hitching strap, H. S. Dimock 280,363  
 Hoisting and conveying earth from sewer trenches, apparatus for, P. H. McCauley 280,645  
 Holder. See Necktie holder. Punch holder. Sash holder. Sewing machine spool holder. Towel holder.  
 Hook. See Chandelier suspension hook. Fish trap hook. Hop vine hook.  
 Hook, P. Miles 280,388  
 Hop vine hook, J. Lippe 280,639  
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 Insulating material for electrical uses, Waring & Hyde (r) 10,350  
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 Leveling instrument, E. A. Bastron 280,713  
 Lifter. See Cooking utensil lifter.

Light. See Electric light.  
 Lock. See Combination lock. Fire alarm box lock. Post office box lock. Seal lock.  
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 Locomotive, electro magnetic, S. H. Beckwith 280,559  
 Lubricant for the cocks and valves of gas apparatus, W. M. Jackson 280,625  
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 Lubricating vertical bearings, A. Hatch 280,742  
 Lubricator. See Automatic lubricator. Axle lubricator.  
 Lubricator, A. Bradford 280,562  
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 Mail bag, W. A. Williams 280,429  
 Mail pouches, hinged mouth piece for, Cardwell & Perry 280,572  
 Mantel, ceiling, etc., ornamental, J. McCully 280,492  
 Mash tun, compound, C. Pfeffer 280,396  
 Mat. See Oil press hair mat.  
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 Measuring apparatus, electrical, C. S. Bradley 280,563  
 Measuring bagging and other fabrics, machine for, J. C. Williams 280,547  
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 Mechanical power, Davis & Brown 280,357  
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 Middlings purifier, G. R. Cannefax 80,571  
 Milk cooler, J. Deline 280,558  
 Milk cooler and heater, H. W. Weiss 280,695  
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 Millstone pick, McDonnell & Anderson 280,647  
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 Mining machinepick, G. D. Whitcomb 280,541  
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 Molding, A. Lyon 280,752  
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 Necktie holder, E. B. Warner 280,694  
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 Oil from seeds, etc., percolator for extracting, H. T. Yaryan 280,550  
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 Oil press mats, manufacture of, Eskrett & Searle 280,460  
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 Printer's inking and distributing roller, A. Campbell 280,447  
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 Pump chains, machine for making, E. J. Watson 280,422  
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 Punch holder, C. Gray 280,608  
 Pyroxyline, machine for treating compounds of, A. Olszewski 280,659  
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 Railway rail joint, R. P. Morgan, Jr. 280,654  
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 Ring. See Spinning ring.  
 Rivet feeding device, J. B. Root 280,404  
 Riveting hollow cylinders, device for, J. H. Clinch 280,452  
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 Rod. See Wantage or ullage rod.  
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 Rotary engine, T. M. Rinehart 280,766  
 Saddle, harness, J. T. Gurney 280,739  
 Sash cord guide, W. S. Greening 280,609  
 Sash fastener, W. E. Rines 280,400  
 Sash holder, R. B. Callahan 280,445  
 Sash holder, W. C. Mathews 280,643  
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 Saw handle, J. Class 280,579  
 Saw handles, re-enforcing plate for, Hankin & Tinney 280,612  
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 Stocking protector, C. A. Schleier 280,522  
 Stopper. See Bottle stopper. Flue stopper.  
 Store service apparatus, H. H. Hayden 280,469  
 Store service apparatus, carrier for, H. H. Hayden 280,468  
 Strap. See Hitching strap.  
 Straw stacker, L. W. Hasseimau (r) 10,347  
 Sulky, D. Berry 280,561  
 Table. See Card table.  
 Table legs, device for securing, A. S. Robinson 280,401  
 Tapping steam, gas and water fittings, machine for, L. D. Castle 280,575  
 Telegraph, fire alarm or district, W. B. Vansize 280,536  
 Telegraph lines, automatic roll call for, W. P. Harris 280,616  
 Telegraphy, duplex and quadruplex, A. Muirhead 280,753  
 Telephone call bell, H. Clay 280,451  
 Telephone central office switchboard, T. J. Perrin 280,662  
 Telephone switch board, H. Clay 280,351  
 Telephone switch board, T. J. Perrin 280,663  
 Telephone systems, automatic indicator switch for, G. L. Anders 280,707  
 Telephone transmitter, H. Clay 280,580  
 Telephonic communication, apparatus and system for, A. Dunand 280,365  
 Theatrical appliance, F. Seymour 280,525  
 Tobacco jars, porous cover for, C. B. Hull 280,477  
 Towel holder, G. S. Gifford 280,464  
 Traction engine, W. N. Rumely 280,519  
 Traction engine, W. Wilkinson 280,428  
 Trap. See Animal trap. Grease trap. Hydraul-ic trap. Mouse trap.  
 Tree box, B. Lensing 280,637  
 Trimmer. See Wick trimmer.  
 Trough. See Eaves trough.  
 Truck, car, J. McLachlan 280,386  
 Truck, safety car, S. Brown 280,442  
 Tub. See Mortar tub.  
 Turning wrist pins, device for, F. M. Hazleton 280,471  
 Type making and arranging machinery, F. Wicks 280,699  
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 Valve, balanced, W. S. Canaday 280,346  
 Valve gear, steam engine, C. Schinke 280,672  
 Valve, stop, Swank & Thornley 280,413  
 Vapor bath, J. M. Chadwick 280,348  
 Vapor bath, medicated, L. Schnlze 280,675  
 Vehicle, G. J. Dickson 280,361  
 Vehicle shifting rail, F. Schreidt 280,674  
 Vehicle spring, J. Hanser 280,613  
 Vehicle spring, W. J. Moran 280,391  
 Vehicle, two wheeled, H. C. Sears 280,524  
 Vehicle wheel, E. Lawson 280,634  
 Velocipede, Z. Hendrickson 280,473  
 Ventilating apparatus, J. Fernie 280,594  
 Ventilating apartments, apparatus for, J. Fernie 280,595  
 Ventilator. See Car ventilator.  
 Ventilator, G. Smart 280,526  
 Wagon dump, A. K. Ersland 280,592  
 Wantage or ullage rod, J. David 28,586  
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 Watch, stem winding, D. H. Church 280,719  
 Water closet, W. H. Umpleby 280,417  
 Water closet valve, T. McHugh 280,643  
 Weaner, calf, G. A. Marvin 280,642  
 Weather board gauge, J. C. McEwen 280,494  
 Wheel. See Car wheel. Fifth wheel. Vehicle wheel.  
 Wick trimmer, A. J. Phipps 280,510  
 Window bead fastener, C. H. Myers 280,756  
 Window shade weight and pull, combined, J. H. Russ 280,768  
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