

- 45,873 Wm. F. Hutchinson, Passaic, N. J., wood-cutting machine.
 45,874 Niles M. Miller, Philadelphia, Penn., machine for rolling glass.
 45,875 Wm. Dicks, Buffalo, N. Y., wrench.
 45,877 John C. Poland, Boston, Mass., centrifugal extractor.
 45,878 Jas. B. Brand, Milwaukee, Wis., underground conduit for electric conductors
 45,879 Napoleon Matte, Quebec, Que., window sash.
 45,882 John Tobin, Chicago, Ill., scale and bristle detaching machine.
 45,884 John M. Ellicot, Hamilton, Ont., metallic and elastic packing
 45,885 Wm. A. Drewett, Brooklyn, N.Y., valve.
 45,891 Marshall L. Smith, Hamilton, Ont., saw filer.
 45,895 Frederick A. Ives, Grant's Pass, Oregon, metallic packing.
 45,896 Geo. F. Pearson, Lowell, Mass., street car jack.
 45,897 John Q. C. Searle, Chicago, Ill., steam trap.
 45,898 Wm. W. Owens, Peterboro, Ont., nut lock.
 45,900 Peter S. Rose, Newark, N. J., sub-aqueous rock breaker.
 45,903 Eugene Meurer, Palmer Falls, N.Y., digester.
 45,906 Geo. A. Watson, Toronto, Ont., furnace
 45,909 Jas. L. H. Paddon, Montreal, Que., radiator.
 45,911 Wm. H. Thompson, Hamilton, Ont., vehicle.
 45,915 W. D. Gray, Milwaukee, Wis., middlings purifier and dust collector.
 45,918 O. G. Ketchum, Toronto, Ont., generator for gas.
 45,919 Indiana Novelty Mfg. Co., Plymouth, Ind., wooden rim bicycle wheel.
 45,920 J. W. Hill, Chicago, feed-water purifier.
 45,921 W. H. Ford and J. Mooney, both of Shelton, Conn., driving and steering actions for cycles.
 45,929 Chas. Punchard and James Ritchie, Toronto, Ont., transfer ticket for electric railways.
 45,930 S. Dentler and H. Loewenthal, both of New York, cement.
 45,934 W. A. Harris, Benj. S. H. Harris, both of Pelzor, S. C., and W. Fowler and L. C. Cannon, both of Spartanburg, S. C., automatic air-brake coupler.
 45,936 Samuel Irwin, Markdale, Ont., transfer ticket
 45,945 H. A. Wheeler, Chicago, car seat.
 45,946 T. Parker, J. D. Wright and A. M. Colquhoun, all of Toronto, brick press.
 45,949 D. J. C. Arnold, New London, O., shaft hanger
 45,950 Ebenezer Hill, South Norwalk, Conn., gas forcing plant.
 45,951 G. Phillips, Victoria, B.C., sanitary grate
 45,952 A. W. Finlayson and the Finlayson Boiler Co., both of Detroit, Mich., steam generator.
 45,953 W. M. Dodd, Dayton, O., steam-pressure indicator.
 45,954 O. Friedrich and W. Schulte, both of Dreisburg, Germany, method of manufacturing ring-shaped bodies from solid metal blocks.
 45,958 L. R. Blackmore, Newark, N.J., radiator section.
 45,959 W. R. Mills, Chicago, smoke preventer.
 45,964 E. McLennan, O'Leary Station, P.E.I., mode of shunting cars.
 45,967 E. J. Armstrong, Oswego, N.Y., rock arm for horizontal steam engines.
 45,969 J. D. Connell and J. P. Nolan, both of Algiers, La., hose coupler.
 45,970 F. Hardy, Birmingham, La., railway frog.
 45,971 G. C. Hicks, Boston, Mass., tube closers for steam boilers.
 45,972 W. H. Jenks, Brockville, Pa., fluid pressure engine.
 45,973 O. Tessier, Stukely, Que., snow plough.
 45,975 H. W. Hill, Cleveland, O., self-oiling journal box.
 45,976 E. M. Birdsall, Buffalo, N.Y., hose reel.
 45,978 R. Pfail, Berlin, Germany, railway signal.
 45,979 W. P. Kidder, Boston, Mass., safety device for elevators.
 45,981 J. Boyd, Neepawa, Man., spring bar shaft holder.
 45,984 W. Rowlands, Montreal, railway frog.
 45,985 G. Moore, Boston, Mass., street railway car.
 45,986 T. J. Bailey and J. Rowley, both of Ottawa, car brake.
 45,988 J. C. Rose and J. F. MacMillan, both of Aspen, Col., car coupler.
 45,989 C. La Vallée, Toronto, lifting jack.
 45,992 J. E. H. Paddon, Montreal, ventilator.
 46,000 H. B. White, London, Ont., steam boiler.
 46,001 W. G. Tretheway and R. H. Brett, both of Mission City, B.C., pipe and hose coupling.
 46,003 J. A. and G. M. Bell, both of Philadelphia, Pa., street railway car.
 46,007 E. Ackmann, Berlin, Germany, device for recording speed of engine governors.
 46,010 J. C. Orr, Winnipeg, pipe bending machine.
 46,012 J. Brown and H. L. Prowse, Toronto, car coupler.
 46,013 J. C. Orr, Winnipeg, radiator.
 46,015 J. B. Davids, North Dartmouth, Mass., method of promoting combustion in furnace.
 46,021 J. L. Boweles, Philadelphia, mortar mixing machine.
 46,024 G. H. Benjamin, New York, incandescent lamp.
 46,025 R. G. Nash, Morrisburg, Ont., centrifugal dredging machine.
 46,026 R. J. Gagnier, Detroit, Mich., suspended railway.
 46,033 J. C. Walter, Waco, Tex., rotary engine.
 46,041 W. F. Nicholson, Worcester, Mass., hand implement for tooling stone surfaces.
 46,046 W. B. Hollingshead, Bronxville, N.Y., and H. S. Blackmore, Mount Vernon, N.Y., ejector.
 46,047 S. R. Stead, Haliburton, Ont., and W. H. Munro, Toronto, car coupler.
 46,050 Lawrence Electric Co., New York, current conveyor for electric railways.
 46,051 Waddell-Entz Co., New York, dynamo electric machine and motor.
 46,053 Consolidated Car Heating Company, Albany, N.Y., steam gauge and car heating apparatus.
 46,056 G. R. J. Newman, Washington, D.C., coupler for cars and air brakes.
 46,063 M. W. Dewey, Syracuse, N.Y., electric propulsion of vehicles and boats.
 46,065 J. Neafie, Boonton, N.J., railway frog.
 46,076 A. W. Case, Highland Park, Conn., screw propeller.
 46,084-5 Hasell Perfected Railway Signal Co., New York, and E. C. Seward, Montclair, N.J., railroad signal system
 46,087 O. F. Teed, J. A. Comstock, and H. D. Captain, all of Chicago, hydraulic motor.
 46,088 Canadian General Electric Company, Toronto, armature for motors and generators.
 46,089 Laird & Sweeney Mfg. Company, St. Johnsbury, Vt., power hammer.
 46,090 C. M. Davis and A. A. White, both of Boston, Mass., turning machine.
 46,091 J. G. McRoberts, St. Louis, Miss., improvement in steel founding.
 46,092 C. H. Taylor, W. T. Ross, R. W. Sutherland, and H. Millen, all of Montreal, hydraulic air-compressing apparatus.
 46,095-6 J. Metzger, Louisa county, Ia., journal boxes.
 46,102 R. H. Nogar and Albert Cooke, both of Toledo, O., burner for sawdust.
 46,103 D. A. Barrackman, Decatur, Ill., combined anti-rattler and shaft support.
 46,104 Electric Selector and Signal Co., electric selecting device.
 46,108 Arch. P. Campbell, Portage la Prairie, Man., device for providing hot air for furnaces.
 46,110 N. P. Massicotte, Ste. Geneviève de Batiscan, Que., bridge.
 46,111 Consolidated Car Heating Co., Albany, N.Y., electric switch.
 46,113 A. Hurst and J. I. Boyer, Reading, Pa., faucet.
 46,116 C. H. Sherwood, Utica, N.Y., and H. C. Lyman, Sherburne, N.Y., automatic railway gate.
 46,126 D. M. Maxon and W. H. Whittemore, both of Bay City, Mich., vessel steering gear.
 46,129 H. L. Reynolds and H. W. Ketchum, both of Seattle, Wash., winding engine.
 46,148 G. M. Conway and H. G. Underwood, both of Milwaukee, Wis., furnace.
 46,153 E. A. Sperry, Cleveland, O., method of and apparatus for arresting the motion of electrically propelled mechanisms.
 46,157 H. T. Dawson, Salcombe, Eng., gas engine.
 46,160 H. Hobbs and A. W. Friese, both of Milwaukee, Wis., extensible tool, carrying bracket for power-actuated devices.
 46,170 T. Lessard, Montreal, ventilator.
 46,173 R. L. Mason, Butte City, Montana, track-clearing apparatus.
 46,180 W. E. Everitt, Buffalo, N.Y., earth-boring machine.
 46,184 Waddell-Entz Company, New York, dynamo and motor.
 46,186 T. H. Muller, Philadelphia, Pa., furnace grate.
 46,191 L. Roll, Wilkesbarre, Pa., car wheel.
 46,197 F. C. Weir, Cincinnati, O., steam engine.
 46,198 H. L. Leach, Cambridge, Mass., track-sanding apparatus.
 46,199 W. W. Wallace, Willoughby, O., friction clutch pulley.
 46,201 H. Bartlett Wyman, Slingerland, N.Y., and A. C. Goodwin, Albany, N.Y., cleats for supporting conducting wires for electrical circuits.