

No. 35,338. Propeller Wheel.*(Helice de propulsion.)*

George W. Pelton, Muscatine, Iowa, U.S.A., 3rd November, 1890: 5 years.

Claim.—1st. The combination of the supporting timbers, the spur wheels mounted permanently upon the inner sides of the same, the main shaft extending through said spur wheels and journaled in boxes upon the said supporting timbers, the hubs mounted upon said shaft and having radiating arms or spokes, the shafts journaled at the outer ends of said spokes and carrying the paddles, and pinions, wheels to the said paddles, for the purpose of feathering the latter, substantially as set forth. 2nd. The combination of the supporting timbers, the main shaft journaled upon the same, the stationary spur wheels attached permanently to the supporting timbers, concentrically with the main shaft, the hubs mounted upon the latter and having radiating spokes, the shafts journaled at the outer ends of the latter and carrying the paddles, the shafts journaled between the spokes of the wheel, and having pinions meshing with the stationary spur wheels, the spur wheels journaled upon the said shafts, the ring mounted upon wrist pins extending from the said spur ring with brackets extending from the paddles at right angles to the latter, substantially as set forth. 3rd. The combination of the main shaft, the hubs having the radiating arms or spokes, the shafts journaled at the outer ends of the latter and carrying the paddles, spur wheels mounted upon the said spokes, a ring mounted pivotally upon the said spur wheels eccentrically to the main shaft, means for transmitting motion to the said spur wheels from stationary spur wheels mounted upon the supporting frame of the wheel, and pitmen connecting the said eccentric ring with the paddles, substantially as and for the purpose set forth.

No. 35,339. Cooking Utensil.*(Ustensile de cuisine.)*

Cyrus Crabbs, Toronto, Ontario, Canada, 3rd November, 1890: 5 years.

Claim.—A jointed chamber, substantially oval in form, and containing a similarly shaped but smaller meat pan supported above the bottom of the chamber so as to leave an air space around the pan and the meat which it contains, substantially as and for the purpose specified.

No. 35,340. Sling Pulley Block.*(Embrelage de poulie.)*

James White Provan, Oshawa, Ontario, Canada, 3rd November, 1890: 5 years.

Claim.—1st. A pulley-block having a carriage bail or projection formed on or connected to it, in combination with a hook or loop pivoted on the block or bail, and designed to engage with a pulley block through which the draft rope passes, substantially as and for the purpose specified. 2nd. A pulley block A, carried by the draft rope C, and having a bail B, formed on or connected to it, a hook F, pivoted on the bail B, in combination with a pin H, located in the pulley block G, through which the draft rope C, passes, substantially as and for the purpose specified. 3rd. A pulley block A, carried by the draft rope C, and having a bail B, formed on or connected to it, a hook F, pivoted on the bail B, and encircled by a staple I, in combination with a pin H, located in the pulley block G, through which the draft rope C, passes, substantially as and for the purpose specified.

No. 35,341. Roof Scaffold Bracket.*(Boulin d'échafaud.)*

Thomas Levi and James William Murchison, both of Westminster, British Columbia, Canada, 3rd November, 1890: 5 years.

Claim.—In a scaffold bracket, the combination of the tongue A, hub a, stirrup A', with shoulder a', stirrup A'', adapted to hold a beam, and the pivotal dog B, secured to the hub a, and having spurs b, and b', substantially as set forth.

No. 35,342. Curtain Holder. *(Porte-rideau.)*

Thomas Tribe, Colorado Springs, Colorado, U. S. A., 4th November, 1890: 5 years.

Claim.—1st. The brackets, and the rod extended between the same combined with the cap nuts upon the end of the said rod and acting against the said bracket, substantially as described. 2nd. The two rods, the intermediate coupling A, and the brackets to receive the said rods, combined with nuts by which to strain the said rods, substantially as described. 3rd. The brackets, provided with sleeves or tubular sockets having smooth interiors, combined with the screw bolts fitting loosely and adapted to revolve in the sleeves or sockets, and provided with threaded bores, and the rod provided with threaded extremities engaging the bores of the screw bolts, substantially as specified. 4th. The brackets, provided with sleeves or tubular sockets, combined with the revoluble screw bolts fitting loosely in the sleeves or sockets, provided with threaded bores and having heads on their outer ends bearing against the outer ends of the sleeves or sockets, and the rod or wire having threaded ends engaging the bores of the screw bolts, substantially as specified. 5th. The combination, with the brackets provided with sleeves or tubular sockets D, D, of the revoluble screw bolts K, fitting snugly in the sleeves or sockets, and having angular heads bearing against the outer ends of the sleeves or sockets, and provided with transverse grooves, and the rod or wire having threaded ends engaged in the

bores of the said screw bolts, substantially as specified. 6th. The herein described brackets for curtain hangers, comprising the washer having its edges turned up, the base plate fitting between the turned up edges of the washer, and having its center looped up to form a tubular sleeve or socket D, and the revoluble screw bolts fitting in the said sleeves or sockets and provided with a threaded bore to engage the end of a rod or wire, substantially as specified.

No. 35,343. Log Loading Machine.*(Appareil pour charger les billots.)*

Joseph W. Kuntz and Charles A. Eschenbrenner, both of Republic, Ohio, U.S.A., 4th November, 1890: 5 years.

Claim.—1st. A log loading device, comprising a frame having cross pieces upon its upper side, a shaft mounted in the frame, a crank and gear mechanism for turning the shaft, a bracket removably attached to the side of the frame, said bracket having a pulley mounted in the lower end thereof, and having an upwardly extending arm with a pulley mounted thereon, and ropes having one end fixed to the shaft, said ropes being adapted to pass over the pulleys and connect with a log, substantially as described. 2nd. The combination, with the frame A, shaft D, and ropes g, and h, of the bracket E, fixed to the frame by the clasps i, and j, and having the pulley F, mounted in the lower part thereof, and having the arm E', carrying pulley F', attached to the upper part thereof, substantially as described. 3rd. The combination, with the bracket E, fixed to the frame A, as shown, of the arm E', having pulley F', mounted thereon, and means, as pins k, and l, for attaching the bracket and arm. 4th. The combination, with the frame A, and shaft D, having ropes g, and h, attached thereto, of the slidable bracket E, mounted upon the frame and having pulleys F, F', pivoted above and below the same for the passage of the ropes, substantially as described.

No. 35,344. Sifting Machine. *(Crible.)*

Carl Haggermacher, Budapest, Hungary, 4th November, 1890: 5 years.

Claim.—In sifting machines containing plan-sieves, having a gyratory motion in a horizontal or nearly horizontal plane, and in which the material to be sifted is carried over the sifting surface by means of a grid on the latter, the arrangement of the propelling ribs in such a manner that the lower edges do not come in contact with the sifting surface or sieve-bottom, but is at a distance of the latter which corresponds to the desired thickness of the layer, substantially as set forth.

No. 35,345. Belt Shifter. *(Embrayage de courroie.)*

John C. Jackson and Henry Whitecomb, both of Philadelphia, Pa., U.S.A., 4th November, 1890: 5 years.

Claim.—1st. In a belt shifter, a bracket provided with a stationary holder adjustably secured thereto, in the manner and for the purpose substantially as described. 2nd. A belt holder, in combination, with a spring-actuated shifter, substantially as described. 3rd. In a belt shifter, a bracket provided with an arc-shaped slot, in combination with a belt holder having bolts passing through said slot, and arranged to be moved therein, whereby the holder can be adjusted in the manner and for the purpose, substantially as described.

No. 35,346. Hernial Truss.*(Bandage herniaire.)*

Allen George Smith, Columbus, Ontario, Canada, 4th November, 1890: 5 years.

Claim.—1st. A truss, consisting of a continuous rod or wire curved to fit the body, and coiled at the front end into a rigid open spiral to form the pad, and bent at the back end into the form of a loop, substantially as and for the purpose set forth. 2nd. A truss pad made in one continuous piece with the bow by coiling the wire into suitable shaped spirals, substantially as and for the purpose set forth. 3rd. The combination of the front pad C, the bow a, the rear loop B, the web or partial belt B, and the button F, substantially as and for the purpose set forth.

No. 35,347. Horse Shoe. *(Fer à cheval.)*

Carl Heinrich Bernhard Schatz, Hamburg, German Empire, 4th November, 1890: 5 years.

Claim.—1st. The improved mode of shoeing horses and other beasts of draught, by employing a detachable fastening device to engage with the hoof, and simultaneously with the shoe, substantially as and for the purpose specified. 2nd. The combination of a horse-shoe, having at its inner edge two wings hinged together at the toe and fastening device consisting of two wings hinged together at the toe and engaging simultaneously with the hoof and the shoe, substantially as set forth. 3rd. The combination of a horse-shoe having at its inner edge outwardly played flanges, a fastening device consisting of two wings hinged together at the toe, and provided at their upper face with projecting claws to engage over the hoof, and a pair of right-and-left screw-bolts operated by a nut, substantially as and for the purpose set forth.

No. 35,348. Process of Making Gas by Carburetting Air. *(Procédé pour subriquer le gaz par l'air carburé.)*

George Hargreaves, James Pardee Scranton and Edward Williams Porter, all of Detroit, Michigan, U.S.A., 4th November, 1890: 5 years.

Claim.—1st. In an apparatus for manufacturing gas, the same consisting of a carburetor into which the hydro-carbon oil is fed in