

and bearing against side of support, and a flap hinged to frame, lying on top of support and having its free end secured thereto and serving as a pad for paper, all as herein set forth. 2nd. The combination of the roll D, carried in frame A, passing up between A, and E, over E, and down through opening E<sup>2</sup>, as and for the purposes described.

### No. 36,573. Oil Feeding Device for Vapor Stoves. (*Alimentateur d'huile pour poêles à vapeur.*)

Charles Mahlon Hollingsworth, Cleveland, Ohio, U. S. A., 9th May, 1891; 5 years.

*Claim.*—In an oil feeding device for vapor stoves, a tank having a partition which divides said tank into a main reservoir, and a supplemental reservoir located below the main reservoir, a casting secured to said partition and having a duct through which the liquid flows by gravity from the main to the supplemental reservoir, a wire gauze secured to said partition above the entrance to said duct, and adapted to prevent the entry of foreign particles thereto, and a casting secured to the lower wall of the supplemental reservoir having an orifice through which the liquid flows combined with a float valve in said supplemental reservoir, having a tube passing centrally through it and projecting below it, a valve rod passing through said tube and pivotally connected with the part thereof which extends below said float, said valve rod being extended at its lower end into the orifice in the lower casting, and at its upper end into the duct in the upper casting, and having a conical upper end adapted to engage with a conical valve-seat formed in the upper casting, substantially as and for the purpose specified.

### No. 36,574. Shaft Coupling. (*Armon de limonière.*)

Aquila W. Hollingsworth, West Liberty, Iowa, U. S. A., 9th May, 1891; 5 years.

*Claim.*—1st. A thill coupling comprising the box adapted to be clipped to an axle and provided at its front end with curved bearings and a vertical opening, the hinged top having a sliding bolt arranged to engage the box and provided with a depending inwardly inclined plate arranged at the front of the top, and a rubber cushion having its front face curved and completing the bearings, and its rear face inclined and adapted to be engaged by the inclined plate of the hinged top, substantially as and for the purpose described. 2nd. A thill coupling comprising the box composed of the back 5, the sides 4, having their upper edges recessed and their front edges curved, the bottom having its rear end extending beyond the back 5, and adapted to be clipped to an axle, and having its front end curved and providing curved bearings at the front of the box, and having an opening 7, the top hinged to the back and having depending side plates and an inclined plate 14, arranged at the front thereof, the rubber cushion having its front face curved and its rear face inclined and arranged to be engaged by the plate 14, and a bolt adapted to lock the hinged top in its closed position, substantially as described. 3rd. A thill coupling comprising the box composed of the back 5, the sides 4, having their upper edges recessed and their front edges curved, the bottom adapted to be clipped to an axle and having its front edge curved and providing curved bearings, and having an opening arranged between the bearings to receive the shaft iron, the top hinged to the back and having depending side plates, and an inclined plate arranged at the front of the top and provided with shoulders 15, and adapted to rest upon the recessed portions of the sides and having a transverse slot 16, a bolt arranged in the slot and provided with a headed bar, a spiral spring coiled around the bar, and a rubber cushion having its front face curved and its rear face inclined and arranged to be engaged by the inclined plate, substantially as described.

### No. 36,575. Jack for Lifting. (*Cric.*)

Andrew Warren, (assignee of Louis Jacob Crecelius), both of St. Louis, Missouri, U.S.A., 9th May, 1891; 5 years.

*Claim.*—1st. In a lifting jack, a standard, a lifting bar, a holding grip in the standard, a clutch box, a cam shaft within the clutch box, an operative lever and a positive connection between said lever and the cam shaft for operating the same to grip and raise the lifting bar, substantially as described. 2nd. In a lifting jack, a standard, a lifting bar, a clutch box, a cam shaft within said clutch box, an operating lever pivoted on the standard arms *l, l*, secured to the cam shaft and links connecting said arms with the lower end of the lever, substantially as described. 3rd. In a lifting jack, a standard, a lifting bar, a clutch box, a cam shaft, an interposed clutch block between said shaft and the face of the lifting bar, an operating lever and connections between said lever and the cam shaft, substantially as described. 4th. In a lifting jack, a standard, a lifting bar, a grip within the standard, a clutch box carrying a grip, a lever, and connections for operating said grip, a lowering lug carried by the clutch box, the standard having an opening in line with the normal position of the lowering lug, and means for releasing the grip in the standard and throwing aside the lowering lug, substantially as described. 5th. In combination, a standard, a lifting bar, a grip within the standard, a clutch box, a grip within the same, and an operating lever, a lowering lug carried by said clutch box and pivoted at one side, the standard having an opening in line with the lowering lug, a foot lever at the base of the standard and connections therefrom for releasing the grip in the standard and for throwing aside the lowering lug, substantially as described. 6th. In combination, a standard, a lifting bar, a grip in the standard, a clutch box, a clutch block within the same, an operating lever, a lowering lug carried by said clutch block and pivoted at one corner, the standard having an opening in the top thereof in line with the normal position of the lowering lug, a rod for releasing the grip in the standard and for throwing aside the lowering lug, substantially as described.

### No. 36,576. Die for Heading Bolts.

(*Coussinet pour faire les têtes de boulon.*)

Charles Stewart Seaton and Edwin Lajette Thurston, both of Cleveland, Ohio, U.S.A., 9th May, 1891; 5 years.

*Claim.*—The herein described dies for bolt heading and other similar machines, which consist of a female die provided with a socket, the outer edges of which are beveled outward, said socket inside said beveled part being of the same shape and size as the bolt head to be formed therein except that it is slightly deeper than the thickness of said head, and a male die adapted to enter said socket and fit snugly therein, provided with an orifice which occupies a position relative thereto similar to the position which the bolt body occupies relative to its head in a finished bolt.

### No. 36,577. Paint. (*Peinture.*)

Richard Judson Doyle, Township of Sarawak, Ontario, Canada, 11th May, 1891; 5 years.

*Claim.*—The herein described composition of matter forming a non-inflammable paint, and consisting of vinegar, lime water, salt, white vitriol, linseed or other drying oil, and with or without petroleum, compounded, substantially in the proportions and in the manner hereinbefore set forth.

### No. 36,578. Wheel for Vehicles.

(*Roue de voiture.*)

Richard Edgar Jeffery, Grass Valley, California, U.S.A., 11th May, 1891; 5 years.

*Claim.*—1st. In a vehicle wheel, the combination with the spokes of a sectional hub formed of two hollow sections, a core extending entirely through said sections and provided with a retaining cap adapted to bind the parts together and secure the spokes, said core being exteriorly screw threaded and an interiorly threaded conical sleeve working upon the core within the hub and adapted to engage the ends of the spokes, substantially as and for the purpose set forth. 2nd. In a vehicle wheel, the combination with a hollow hub, and the spokes projecting therein, the hub being provided at each end with an interior annular shoulder, of a single exteriorly threaded core projecting entirely through said hub and provided at one end with an integral circular plate having a rearwardly extending unshouldered peripheral flange fitting within the adjacent end of the hub and abutting against the shoulder therein, a retaining cap fitting within the opposite end of the hub and binding against the shoulder therein, and an exteriorly threaded conical sleeve working upon the core within the hub and adapted to adjust the spokes, substantially as and for the purpose set forth. 3rd. In a vehicle wheel, the combination, with the spokes of a hub formed of two sections comprising two circular plates provided with inwardly projecting lugs, the lugs of one plate having each an extension projecting over the opposite lug of the other plate, said lugs forming conjunctively ribs fitting between the spokes, and a retaining core and cap therefor for securing the sections of the hub together, substantially as set forth. 4th. In a vehicle wheel, the combination, with the tire provided with a concave inner face, of the felly provided with a rounded or convex periphery adapted to fit within the latter and formed of two or more sections having their abutting ends beveled, the spokes, and the hub provided with the means for tightening the wheel, substantially as set forth.

### No. 36,579. Gas Governor.

(*Gouverneur pour gaz.*)

Alfred Hall, Toronto, Ontario, Canada, 11th May, 1891; 5 years.

*Claim.*—1st. A disc A, loosely fitted into the gas passage way of the burner B, and fixed to a spindle C, in combination with plugs D and E, located one on each side of the said disc and having holes F, b, and d, made in them, substantially as and for the purpose specified. 2nd. A disc loosely fitted in the gas passage way of the burner B, fixed to a spindle C, having a head a, formed on its lower end, and in combination with plugs D and E, located one on each side of the said disc and having holes F, b, and d, made in them, substantially as and for the purpose specified.

### No. 36,580. Fasteners for Casters, Door Knobs, etc. (*Queue de roulette de meuble, bouton de porte, etc.*)

Jacob Thimes, Brooklyn, New York, U. S. A., 11th May, 1891; 5 years.

*Claim.*—The improved fastening for casters, door knobs, and the like herein shown and described, combining in its structure the rod a, having at one end the enlarged angular head and at its other end a screw thread, the nut z, and the tubular slitted sleeve C, having a plane exterior surface, each angle of the head of the rod having a seat in the recess between the sections of the slitted sleeve to prevent turning of the rod when drawn within the sleeve for expanding its sections, all substantially as herein set forth.

### No. 36,581. Sleigh Runner. (*Patin de traineau.*)

John Badley, Jersey City, New Jersey, U.S.A., 11th May, 1891; 5 years.

*Claim.*—In a device of the character described, the combination, with the runners, the legs or supports secured to the runners by the thumb screws, the side plates, the cross-bar having the loop and pivotally connected to said legs, the strap engaging said loop, and the stay-chains, all substantially as and for the purpose set forth.