

**No. 35,364. Car Coupling.** (*Attelage de chars.*)

William J. Ponto, Hillsboro, North Dakota, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. The draw-head B, having slots *b* and *b'*, the bolt C and plate *c* connected to it, and the spring F behind the bolt, whereby the pin is held up by means mostly outside the mouth of the draw-head. 2nd. The combination, with the draw-head, having its upper pin hole provided with lateral opposite extensions, of the sliding plate *c* to uphold the pin, the pin having lateral opposite fins to fit in said extensions, and the coupling link which, when in the draw-head, is horizontally held by the said pins, which bear on its opposite side bars, substantially as specified. 3rd. In a car coupler, a coupling pin lifting rod G, jointed just above the pin, substantially in the manner and for the purposes set forth. 4th. In a car coupler, the pin-lifting rod, made in two parts G and G', jointed or hinged together, as described, and having, combined with the said joint or hinge, the spring-actuated piece L, as and for the purposes set forth. 5th. The combination of the jointed lifting rod G, with the coupling pin D, in the manner and for the purposes set forth, whereby, in coupling, the lower end of the rod will have some motion, and thereby tend to prevent breakage of pin or rod. 6th. The combination, with the draw-head, having the slots *b*, *b'*, and provided with an upper pin-hole, having opposite lateral extensions, the bolt C, the spring F in rear of said bolt, and the sliding plate *c*, attached to the bolt of the coupling link, and the pin D, having opposite lateral fins *d*, substantially as specified. 7th. In a railroad car coupler, the combination of the rod G and coupling pin D, with the catch H on top of the car, and engaging said rod, whereby the coupling pin can be positively held up, when desired.

**No. 35,365. Seed Planter.** (*Semoir.*)

Jonas S. Greenleaf, Fargo, North Dakota, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. In a seed planter, the plow J, attached to the underside of the hopper and adjusted by thumb screw K, the scraper L, pivoted on the side of the seed hopper, so as to have a limited movement, and kept in contact with the pin M, by spring N, in combination with the seed hopper, having an adjustable orifice for discharging the seed, and a spur wheel, the axle of which passes through the hopper and operates the agitator therein, all substantially as described.

**No. 35,366. Telescope.** (*Télescope.*)

William Nelson Riddle, Crowley, Texas, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. In a telescope, the combination, with the main section, having the object lens at its end, of the second object lens located in the rear reduced end of said section of smaller diameter than the first lens and adjustable back and forth in the main section, substantially as and for the purposes set forth. 2nd. In a telescope, the combination, with the main section and its lens, of the second section adjustable within the first section and provided with the two lens at its inner end next to the main section, and a third lens adjustable within the section towards the other end, substantially as and for the purposes set forth. 3rd. In a telescope, the combination, with the main section and the second section adjustable therein, of the third section sliding in the second section, and provided with three lenses, one being at its inner end and two at the outer end, substantially as and for the purposes set forth. 4th. In a telescope, the combination, with the main section of the adjustable tube containing a series of partitions formed with apertures for regulating the light, as set forth, substantially as described. 5th. In a telescope, the combination, with the main section, of the adjustable tube, having a series of apertured partitions and provided with a double bell-mouthed tube, located in said tube, substantially as and for the purposes set forth. 6th. In a telescope, the combination, with the main section, of the adjustable tube having a series of apertured partitions, and the double bell-mouthed tube reversible within said partitioned tube, and having one end longer than the other, substantially as and for the purposes set forth. 7th. In a telescope, the combination, with the sections thereof, of a double bell-mouthed tube contained within the sections and having one end longer than the other, substantially as and for the purposes set forth. 8th. In a telescope, the combination, with the main section carrying the object lens, of a funnel fitted over the end of said section and having different colors painted in circular lines round its interior, as described for the purposes set forth.

**No. 35,367. Apparatus to Facilitate taking Pills.** (*Appareil pour faciliter le moyen de prendre des pilules.*)

Joseph Yates, Pimlico, London, England, 7th November, 1890; 5 years.

*Claim.*—An appliance, formed with an upper bottom, arranged to be fitted to a glass, near its inside edge, so that the pill may be washed forward on drinking water out the glass, as represented in the accompanying drawings.

**No. 35,368. Picture Hook.** (*Crochet d'image.*)

Joseph M. Segur, Adrian, Michigan, U.S.A., 7th November, 1890; 5 years.

*Claim.*—A picture hook, provided with a projection or stem adapted to engage the end of a rod or stick for lifting it to and engaging it with a picture rail or molding, substantially as described.

**No. 35,369. Furnace.** (*Calorifère.*)

Russell Harvey Nogar, Dundee, Michigan, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. In a rotating furnace, a tubular combustion chamber, inclined or tapered, and means for rotating said furnace, substantially as described. 2nd. In a furnace, a tubular combustion chamber, inclined or tapered, supported upon rollers, of means for imparting a rotary motion to said furnace, of a front, having suitable feet or draft openings and connecting at the rear with the setting of the steam generator, substantially as described. 3rd. A tubular furnace, having means, such as the mechanism described, for rotating the same, and consisting of an outer shell of metal, an inner lining of fire-proof material, such as fire brick, and of ribs or lugs, such as I, substantially as described. 4th. A tubular furnace, having means, such as the mechanism described, for rotating the same, of a bath pan, containing a cooling fluid, into which the lower edge of the furnace dips, substantially as described. 5th. In combination, with a steam generator, a rotating tubular furnace arranged in front thereof, and inclined or tapered to give the fuel a progressive motion, an ash pit at the end of said furnace, a feed hopper mechanism, substantially as described, for shaking said hopper at intervals, a draft door, having a lip extending to the underside of the furnace, and a shoulder engaging into a recess in the boiler setting, the parts being arranged to operate as and for the purpose described.

**No. 35,370. Nut Lock.** (*Arrête-écrou.*)

Thomas D. Jones, Syracuse, New York, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. A nut lock consisting of a perforated washer having a lip bent outward and upward in a bracing position, and resting at its bend upon the flange of a rail while the edge of the lip engages the side of a nut, substantially as shown and described, whereby a brace may be rigidly fixed between the side of a nut and a flange opposite to it, as set forth. 2nd. The combination of a rail, a fish-plate at its side, a screw-bolt through the rail and fish-plate, a nut screw-threaded upon the bolt, a flange projecting at the side of the rail nearly parallel with the bolt, and a nut lock consisting of a perforated washer placed around the bolt beneath the nut, and having a lip bent outward and upward, and forced in a bracing position between the said flange and nut, the curve of the bend resting upon the flange and the edge of the lip resting on a side or sides of the nut substantially as shown and described. 3rd. The combination of a body having a flange projecting from its face, a bolt also projecting from the said face nearly parallel with the flange, a nut screw-threaded upon the bolt, and a nut lock consisting of a perforated washer placed around the bolt beneath the nut, and having a lip bent into a bracing position, and standing rigidly fixed between the flange and the nut, substantially as shown and described.

**No. 35,371. Door Lock.** (*Serrure de porte.*)

Thomas Jefferson Young, North Plainfield, New Jersey, U.S.A., 7th November, 1890; 5 years.

*Claim.*—1st. The combination with the spindle hub latch and case adapted to be inserted in the edge of the door, of the door plates, a lock case connected with one of the door plates and having a lateral opening in the lock case for the reception of the latch case, the knob spindle passing through the door plates, locking case, latch case, and hub, and a bolt within the lock case and adapted to retain the latch when projected, substantially as set forth. 2nd. The lock plate F, lock case G and cap plate G', in combination with the vertically moving bolt H having a stop plate I, the tumbler J, hung on a pivot, the said tumbler being provided with a lug engaging a lug or projection on the lock bolt retaining the said bolt when projected, the said tumbler having a tail piece or lever which is engaged by the key and a spring operating said tumbler, substantially as set forth. 3rd. The latch case A, A', and latch B, adapted to be inserted in the edge of the door, and having the flanges or claws 2 on the latch that projects through the latch case, in combination with the lock case adapted to be inserted into the face of the door, and having a bolt and stop plate passing behind the flange or claw of the latch when the bolt is projected and the spindle hub and spindle, substantially as set forth. 4th. The combination, with the lock case G, G', and the door plate F to which the lock case is connected, of a vertical bolt H having a plate I sliding through an opening in the case, the pivot J threaded internally on which the tumbler swings, the tumbler I having a lug 14 and lever 15, a lug 13 on the said bolt H, and a spring 11 which operates on the said lug 13, and the latch case and latch to be inverted through the edge of the door, the spindle hub and knob spindle, substantially as set forth.

**No. 35,372. Lever and Other Handles.**

(*Levier et autres manches.*)

William Blakely, Dene House, Bournemouth, Hants, England, 7th November, 1890; 5 years.

*Claim.*—1st. In a lever or other handle, the combination, with the handle and its tang, of elastic bushings received in the ends of the handle, so as to be interposed between the handle and its tang and isolate the handle from the tang, substantially as specified. 2nd. In a lever or other handle, the combination, with the handle and its tang, of elastic bushings of conical form received in conical recesses in the ends of the handle, so as to be interposed between the handle and its tang and isolate the one from the other, the said bushings being compressible by end pressure, substantially as specified. 3rd. In a lever or other handle, the combination, with the handle and its tang, of elastic bushings of fluted or ribbed conical form received in conical recesses in the ends of the handle, so as to be interposed between the handle and its tang and isolate the one from the other, the said bushings being compressible by end pressure, and of elastic washers interposed between the ends of the handle and the abutments on the tang by which the handle and bushings are held in place, substantially as specified.