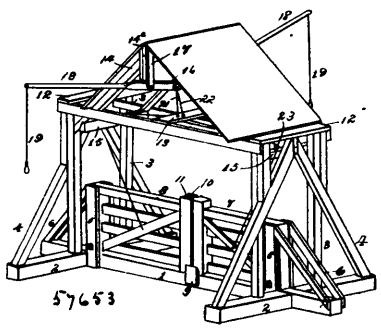
arranged to engage the latch lever at the inner ends of said projections, whereby the latch lever is positively held against the movement, and operating mechanism connected with the latch lever for enabling the same to be operated at a point adjacent to the hinged edge of the blind, substantially as described.

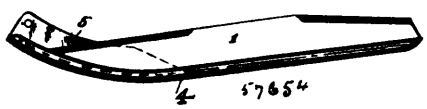
No, 57,653. Gate. (*Barrière.*)



James Chaney, Lebanon, Missouri, U.S.A., 2nd October, 1897; 6 years. (Filed 25th September, 1897.)

Claim.—The combination with a framework including pairs of main and supplemental uprights on opposite sides of the roadway, and a supplemental framework secured to said uprights and extending above them, of a pair of gates pivoted in said supplemental uprights at their lower outer corners, one of the said gates having a recess at its upper inner end, and the other having a tongue at its upper inner end, adapted to fit in said recess when the gates are in their closed positions, links pivoted to the opposite ends of a cross-beam in said supplemental framework and depending therefrom, levers fulcrumed respectively in said links and pivoted together at their lower ends, pull cords on the long arms of said levers which extend outwardly on opposite sides of the gate, and cords connected respectively to said gates, extending upwardly therefrom and passing around sheaves or pulleys in cross-beams connecting the respective pairs of said uprights, the said cords being attached at their upper ends to the short arms of said levers at their pivotal points, substantially as and for the purpose described.

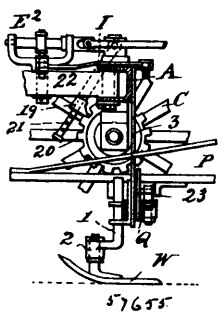
No. 57654. Sleigh. (*Traineau.*)



Jacob R. Sjolander, Ironwood, Michigan, U.S.A., 2nd October, 1897; 6 years. (Filed 25th September, 1897.)

Claim.—In a sleigh, the combination with the runner, the upper side of which extends in a straight horizontal line from the front to near the rear, and the underside at the front end curved or rounded, and said front end formed with a rearwardly extending horizontal slot, of the metal shoe having the front end curved upwardly and formed with a central rib engaging with said slot, and said end and rib projecting up above the front end of the runner, substantially as described.

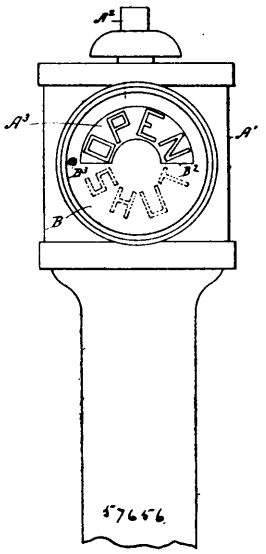
No. 57,655. Steam Plough. (*Charrue à vapeur.*)



Robert H. Fowler and Thomas Benstead, both of Leeds, England, 2nd October, 1897; 6 years. (Filed 24th September, 1897.)

Claim.—1st. In apparatus for steam cultivation such as is herein referred to, a skid W, pivoted to a bracket 1, adjustably mounted on the framed arm P, carrying the cultivating tools, substantially as described. 2nd. In apparatus for steam cultivation such as is herein referred to, vertical guides 3, carried by the main longitudinal frame A, in which guides work slides 23, to which the bar Q, carrying the arms P, of the cultivating tools are fixed, substantially as described. 3rd. In apparatus for steam cultivation such as is herein referred to, slotted brackets 5, fixed to the framing, in which the pivot pins S^1, of the arms P, of the cultivating tools are vertically adjustable by means of screws 6, substantially as described. 4th. In apparatus for steam cultivation such as is herein referred to, combining with the framed arms P, carrying the cultivating tools, coulters 8, to which are adjustably attached skimmers 7, substantially as described. 5th. In apparatus for steam cultivation such as is herein referred to, a castor for the fore carriage consisting of a castor wheel and bracket combined with a ring or disc 11, with peripheral groove, mounted within a grooved ring 9, on the fore carriage and supported by balls 13, running in the grooves of the ring 9 and 11, substantially as described. 6th. In apparatus for steam cultivation such as is herein referred to, the combination with the lever D^2, on the pivot of the axle of the rear wheel C, of divided link 17, 18, adjustable in length, connecting the said lever to the nut on the screw spindle E^2, substantially as and for the purpose set forth. 7th. In apparatus for steam cultivation such as is herein referred to, a pawl catch for preventing the backward rotation of the wheel C, constructed of two parts, of which the block 19, that engages with the ratchet-wheel of the wheel C, is free to slide within adjustable limits upon the second part or stem 21, pivoted to the framing for the purpose of permitting a certain amount of backward motion to the wheel C, before it is locked, substantially as described.

No. 57,656. Valve Indicator. (*Indicateur de soupape.*)



John T. Christie, Troy, New York, U.S.A., 2nd October, 1897; 6 years. (Filed 24th September, 1897.)

Claim.—1st. In a valve-indicator, the combination with a rotary valve-operating spindle, and a tight inclosing case, of an indicator-plate rotatively mounted upon the exterior of the case, and operating connections between the rotary spindle and plate extending directly through and fitting an aperature in the case-wall, substantially as described. 2nd. In a valve-indicator, the combination with a valve-operating spindle, and an enclosing case having an indication mark, fixed upon its outer side, of a shield rotatively mounted upon the exterior of the case and movable to and from said mark, and operating connections between said shield and the enclosed spindle, substantially as described. 3rd. In a valve-indicator, the combination with a rotary valve-operating spindle, and an enclosing case having exteriorly located fixed graphic indications, of a shield rotatively mounted upon the exterior of the case and movable back and forth from one to the other of said indications, and an operating connection between the shield and spindle passing directly through the case-wall, substantially as described, 4th. In an indicator, the combination with a rotary spindle, and an enclosing case, of a cross-shaft having bearings in the case walls, a worm-gear connection between the spindle and shaft, a pair of rotary indicator-plates exteriorly mounted upon opposite sides of the case, and having each a stud projecting interiorly of the case, and gear connections between the shaft and the respective studs, within the case, substantially as described. 5th. In an indicator, the combination with a rotary spindle and an enclosing case therefor, having a recess in its outer surface and an aperture through the case at the centre of the recess, of an indicator plate located in said recess, a stud fixed to the plate and inserted through, and fitting the central