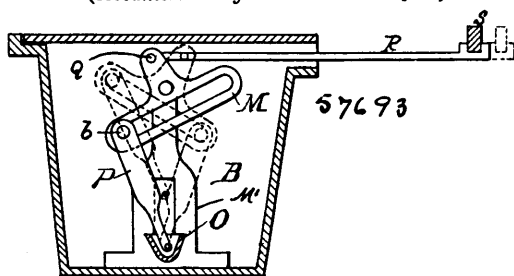


casting affording a seat for the draft-spring, the rear end of the casting being open to give access to the rear end of the tail-bolt which terminates just behind the front wall, webs for strengthening said front wall, and ribs near the front and back ends of the side walls, said ribs fitting in the follower-plate and lug recesses in the draft-timbers, substantially as described. 2nd. The herein-described casting, for use in freight-car draft rigging, the same consisting of a front wall formed with an opening for the passage of the tail-bolt, webs for strengthening said front wall, side walls formed with ribs for engagement with the draft-timbers, the rear end of said casting being open and the top and bottom walls being cut away to give ready access to the rear end of the tail-bolt, substantially as described. 3rd. The herein-described casting for use in freight-car draft rigging, the same consisting of a front wall formed with an opening for the passage of the tail-bolt, webs for strengthening said front wall, side walls formed with ribs for engagement with the draft-timbers, the rear end of said casting being open, and the top and bottom walls being cut away to give ready access to the rear end of the tail-bolt, said top and bottom walls being thickened at the front edges of the cut-away portions to give them strength, substantially as described. 4th. The herein-described casting for use in freight-car draft rigging, the same consisting of a front wall formed with an opening for the passage of the tail-bolt, webs for strengthening said front wall, a downward extension of the front wall which offers a continuous bearing for the draft-spring, side walls formed with ribs for engagement with the draft-timbers, the rear end of said casting being open, and the top and bottom walls being cut away to give ready access to the rear end of the tail-bolt, substantially as described. 5th. A casting for use in freight-car draft rigging, the same consisting of parallel side walls having interior stiffening webs and exterior locking ribs, an apertured front wall, the front face of which forms a seat for the draft-spring, the inner face of said front wall having a boss or flange around its aperture, and strengthening webs, all of said parts being integral, substantially as described.

No. 57,693. Switch Operating Mechanism.

(*Mécanisme d'aiguille de chemin de fer.*)



The Detroit Automatic Switch Company, Limited, assignee of Frederick A. Ruff, both of Detroit, Michigan, U.S.A., 6th October, 1897; 6 years. (Filed 23rd September, 1897.)

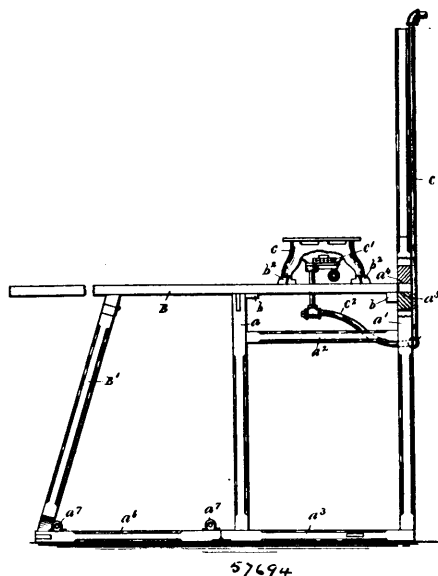
Claim.—1st. The combination with the movable switch rail and its actuating track arm, of intermediate mechanism between said arm and rail comprising a walking beam and a reciprocating and oscillating pitman or rod secured to said beam adapted in its forward stroke to tilt the same, and in its return stroke to travel to the opposite end of the beam. 2nd. In a railway switch the combination with the casing A, having a slotted cover, of a track arm or lever pivoted within the casing projecting through said slot and adapted when operated to throw said switch, the strip I, covering said slot, the T-head J, at the open end of said brake-arm beneath said strip, a bifurcated arm or hook on the car adapted to embrace said strip and engage with said head and the flange L, adapted to hold said bifurcated arm in engagement with said head until the latter has reached the limit of its movement and then to release the same. 3rd. In a railway switch, the combination with the track arm, of mechanism on the car for engaging with and operating said arm comprising the arm K, and the foot pin T, for operating said arm, normally locked to hold said arm in its raised position, but adapted to be released by the foot to lower the arm. 4th. In a railway switch, the casings A and B, connected by the pipe C, the track arm or lever D, pivotally secured in the casing A, and projecting out through a slot in the cover thereof, the walking beam lever M, the reciprocating and oscillating pitman P, and the bell crank O, contained in the casing B, the rod G, passing through the pipe C, and connecting the lever D, with the bell crank G, and having the yielding link F, and a connection between the walking beam lever and the movable rail of the switch.

No. 57,694. Table. (Table.)

John Pins and Maria Turner, both of Rochester, New York, U.S.A., 6th October, 1897; 6 years. (Filed 29th September, 1897.)

Claim.—1st. The combination with a table comprising a supporting frame A, and a top B detachably engaged with the supporting frame and provided with an opening b^3 extending through its upper and lower faces, of a heater-frame c detachably mounted on the top,

a burner c^1 arranged above the top adjacent to the heater-frame, and a conduit or pipe c^2 projecting through the opening b^3 , said



conduit or pipe being fixed to the supporting frame A, and connected to the burner c^1 , substantially as and for the purpose specified. 2nd. The combination with a table comprising a supporting frame A provided with separated uprights a, a^1 , one of which is formed with engaging shoulders a^4, a^5 , arranged one above the other, and a top P provided with an opening b^3 extending through its upper and lower faces, said top having one of its ends interposed between the shoulders a^4, a^5 , and its lower face provided with shoulders b engaged with the adjacent faces of the uprights a, a^1 , of a heater-frame c detachably mounted on the top B, a burner c^1 arranged above the top adjacent to the heater-frame, and a conduit or pipe c^2 projecting through the opening b^3 , said conduit or pipe being fixed to the supporting frame A and connected to the burner c^1 , substantially as and for the purpose specified. 3rd. The combination with a table comprising a supporting frame A provided with separated uprights a, a^1 , one of which is formed with engaging shoulders a^4, a^5 , arranged one above the other, said supporting frame being also provided with a movable extension a^6 having one of its extremities hinged to the main portion of the supporting frame, a top B detachably engaged with the supporting frame and provided with an opening b^3 extending through its upper and lower faces, said top having one of its ends interposed between the shoulders a^4, a^5 , and its lower face provided with shoulders b engaged with the adjacent faces of the uprights a, a^1 , and a brace B^1 having its lower end detachably engaged with the free end of the extension a^6 and its upper end hinged to the top, of a heater-frame c detachably mounted on the top B, a burner c^1 arranged above the top and adjacent to the heater frame, and a conduit or pipe c^2 projecting through the opening b^3 , said conduit or pipe being fixed to the supporting frame A and connected to the burner c^1 , substantially as and for the purpose set forth. 4th. In a table, the combination of a supporting frame A provided with separated uprights a, a^1 , one of which is formed with engaging shoulders a^4, a^5 arranged one above the other, and a top B detachably engaged with the supporting frame, said top having one of its ends interposed between the shoulders a^4, a^5 , and its lower face provided with shoulders b engaged with the adjacent faces of the uprights a, a^1 , substantially as and for the purpose set forth. 5th. In a table, the combination of a supporting frame A provided with a movable extension a^6 at its lower end, a top B detachably engaged with the supporting frame, and a brace B^1 having its lower end detachably engaged with the extension a^6 and its upper end hinged to the top B, substantially as and for the purpose specified. 6th. In a table, the combination of a supporting frame A provided with a movable extension a^6 hinged at one extremity to the lower end of the main portion of the supporting frame and having its free extremity formed with a pair of sockets a^8 , a top B detachably engaged with the supporting frame, and a brace B^1 having its lower end provided with a pair of projections b^1 , removably arranged in the sockets a^8 and its upper end hinged to the top B, substantially as and for the purpose set forth. 7th. In a table, the combination of a supporting frame A provided with a movable extension a^6 hinged at one extremity to the lower end of the main portion of the supporting frame, said extension being movable beneath the main portion of the supporting frame A and being provided with rollers a^7 projecting above its normally upper face, a top B mounted on the supporting frame A, and a brace B^1 interposed between the free end of the extension a^6 and the top B, substantially as and for the purpose described. 8th. In a table, the