## No. 22,179. Device for Cleaning Clothes.

(Appareil pour Nettoyer les Hardes.)

Albert B. Williamson, Toronto, Ont., 3rd August, 1885; 5 years.

Claim.—1st. A plate B arranged to rest upon the ledge a and having inverted saucer-shaped chambers C, in combination with the vertical tubes D arranged to connect the chambers C with the perforated tube E, located at a point above the ordinary water level in the boiler A. 2nd. A plate B having inverted saucer-shaped chambers C and vertical tubes D extending therefrom, in combination with the perforated tube E connected to the tubes D by the ou wardly and downwardly projecting tubes b, substantially as and for the purpose specified

#### No. 22,180. Shuttle for Sewing Machines.

(Navette pour Machines à Coudre.)

Charles Parton, Plattsburgh, N.Y., U.S., 3rd August, 1885; 5 years. Claim.—1st. The combination, in a shuttle, of shuttle shell A having open slots D. E and recesses R. S. T. of tension spring G having slots L, M. K, prejections O, P, Q. guide K and hook U, substantially as set forth. 2nd. The combination, in a cylindrical shuttle, of a shell having an open thread slot, and a tensior spring having a slot and projection near the open end of the shell, to prevent the thread from being caught and broken by the action of the shuttle, substantially as set forth. 3rd. A tension spring for shuttles having a slot and projection near its rear end outside of the guide which forms one side of the slot, to support the thread and prevent its being caught and broken by the action of the shuttle, substantially as set forth. 4th. A tension spring for shuttles having a side projection near its rear end, adapted to permit the thread to pass under it in threading the shuttle, and to prevent the thread from being drawn backward and caught and broken by the action of the shuttle substantially as set forth. 5th. The combination of a shuttle shell having an open thread slot for threading the shuttle by drawing the thread into the open thread slot, and a tension spring having a projection near its rear end and near the end of the open thread slot to prevent the thread from being drawn out of the open thread slot to prevent the thread from being drawn out of the open thread slot and caught and broken by the action of the shuttle. Charles Parton, Plattsburgh, N.Y., U.S., 3rd August, 1885; 5 years.

#### No. 22,181. Plough. (Charrue.)

George B. Casaday, Hudson, Ill., U.S., 3rd August, 1885; 5 years.

George B. Casaday, Hudson, Ill., U.S., 3rd August, 1885; 5 years.

Claim—lst. In a plough, the combination, with the standard, of a hollow reversible point fitted upon the lower forward end of the standard, and a removable wing operating when secured in position to positively lock the point in place, substantially as shown and described. 2nd. In a plough, the combination, with the standard, of a bottom reversible point fitted upon the lower forward end of the standard, and a hollow reversible wing fitted on a wing-bearing on the standard and operating when in position to positively lock the point in place, substantially as shown and described. 3rd. In a plough, the combination, with the standard mould-board and a reversible cutter, of a hollow reversible point fitted on the lower forward end of the standard and forming a continuation of the cutter, and a hollow reversible wing fitted on a wing bearing on the standard, and operating when in position to positively lock the point in place, substantially as shown and described. 4th. In a plough, the combination, with the standard and mould-board, of a removable and reversible skin or cutter secured to the standard and presenting when either side is in use a cutting edge, and a wearing surface conforming to and forming a combination of the mould-board, substantially as shown and described. 5th. In a plough, the combination with the standard and mould-board, of the removable and reversible shin or cutter having two opposite wearing faces and cutting edges, and two sets of bearing surfaces independent of the standard, substantially as shown and described. 6th. In a plough, the removable and reversible shin or cutter having the duplicate wearing faces and upon which it is supported and connected to the standard, substantially as shown and described. 6th. In a plough, the removable and reversible shin or cutter having the duplicate wearing faces and cutting edges, and the duplicate shoulders & 2 and bearing &3 on its lower end, in combination with the standard having th

## No. 22,182. Plough. (Charrue

George B. Casaday, Hudson, Ind., U.S., 3rd August, 1885; 5 years.

George B. Casaday, Hudson, Ind., U.S., 3rd August, 1885; 5 years. Claim.—1st. In a plough, a hollow reversible combined wing and point having two opposite corresponding and converging wearing faces continued to a common edge, and two opposite and corresponding points, substantially as shown and described. 2nd. In a plough, the combination, with a standard and mould-board, of a hollow reversible combined wing and point fitted upon a wing-bearing on the standard, and having two opposite corresponding wearing faces and points, substantially as shown and described. 3rd. In a plough, the combination, with the standard and mould-board, of a removable cutter secured to the standard and a hollow reversible combined wing and point fitted on a wing-bearing on the standard having two opposite corresponding wearing faces and points, and operating when secured in place to engage with the lower end of the cutter and lock the same in position, substantially as shown and described. 4th. In a plough, the combination with the standard and mould-board, of a reversible cutter secured to the standard and having two opposite and corresponding faces and cutting edges, and a hollow reversible combined wing and point, fitted upon a wing bearing on the standard and corresponding taces and cutting edges, and a notice reversible combided wing and point, fitted upon a wing bearing on the standard having two opposite corresponding wearing faces, and points and operating when in position to engage with the lower end of the reversible cutter and lock it in place, substantially as shown and de-

## No. 22,183. Car-Coupler. (Accouplage de Chars.)

John Coup, New York, N.Y., (Co-inventor with David McCurdy, Cleveland, Ohio,) and William Dudgeon, Union, Ohio, U.S., 3rd August, 1885; 5 years.

Claim.—1st. A car-coupling formed of a hook pivoted to the side of a draw-head, by means of a cam hub piece, which, by its semi-rotation, is adapted to raise the said hook and throw it forward, so as to disengage it from the adjacent car when it is to be uncoupled, substantially as shown and described. 2nd. A car-coupling formed of a curved hook pivoted to the side of the draw-head on an eccentric cam, and arranged to swing vertically and hook on to a palette-shaped cam or coupling block on the adjacent draw-head, substantially as shown and described. 3rd. In a car-coupling, a transverse shaft or rod passing through the draw-head and carrying on one of its ends an eccentric cam on which is assembled the coupling hook for connecting two cars, and on the other end of it a palette-shaped cam for engaging the hooked end of the coupling of an adjacent car, substantially as shown and described. 4th. In a car-coupling, a cam for actuating or moving the coupling hook upward and forward, so as to disengage it, substantially as shown and described. 5th. In a car-coupling, a cam for moving and disengaged the coupling hook provided with a hub circumferentially wound with a chain or cord, for rotating it, so as to operate or release the coupling hook as desired, substantially as shown and described. 5th. A draw-head for coupling cars, provided with a vertically-swinging coupling hook pivoted to it side by an eccentric cam, and provided with a laterally projecting stop on the top of which the said coupling hook rests, substantially as shown and described. 7th. A car-coupling consisting of a draw-head with a vertically-involving look pivoted to its side by an eccentric cam, and provided with means for operating the said cam and the thoreby the coupling hook, by means of a system of levers and rods attached to the car and connected with the periphery of the hub of the cam by cords or chains wound circumferentially thereon, substantially as shown and described. 8th. In a car-coupling, a coupling hook, pivoted to the side of the

# No. 22,184. Car-Coupling. (Accouplage de Chars.)

James Barry, Willmar, Howard A. Turner and Charles L. Hastings, Minneapolis, Minn., U.S., 3rd August, 1885; 5 years.

James Barry, Willmar, Howard A. Turner and Charles L. Hastings, Minneapolis, Minn., U.S., 3rd August, 1885; 5 years.

Claim.—1st. The combination, with a draw-head, of shafts journalied on the end of the car and provided with projecting parts to which the coupling pin is pivoted, cranks on the ends of the shafts, a lever on each side of the car, and a rod connecting the crank of each shaft with the lever at the same side of the car at which the crank is located, substantially as herein shown and described. 2nd. The combination, with a draw-head, of shafts journalled on the end of the car, the levers G pivoted to the sides of the car, the rods F connecting said lever with cranks formed on the ends of the shafts, a coupling pin held to a crank formed at the inner ends of the shafts, a semi-circular rack at each lever G, and a dog engaging with said rack, substantially as herein shown and described. 3rd. The combination, with a draw-head, of shafts journalled on the end of the car, a pin held in the crank parts of said shafts, the levers G on the sides of the car, the rods F connecting the said levers with the cranks on the ends of the shafts on the ends of the car, a semi-circular rack H at each lever G, the dog HI engaging with the rack, the link H2 connecting the dog with the lever G, the lever M pivoted to the lever G, and the rod n connecting the dog H1 and the lever M, substantially as herein shown and described. 4th. The combination, with a draw-head, of shafts journalled on the end of the car, a pin held in the crank parts of said shafts, the lever G on the sides of the car, the rods F i connecting said levers with the cranks on the shafts on the ends of the car, a semi-circular rack H at each lever G, the dog H1 engaging with the rack, the link 42 connecting the dog With the lever G, and the rod n connecting the ever W, the lever G, the rods F connecting the dog H1 and the lever W, the lever G, the rod K2 connecting the lever S Q and K1 to the lever G, the rod K2 connecting the lever S Q and K1 to the cor

#### No. 22,185. Oil Stove. (Poêle à Huile.)

John McConnell, Cleveland, Ohio, U.S., 3rd August, 1885; 5 years.

Claim.—1st. The combination, with the burner-plate, and a cone-stand having one or more depending hooks which engage with the said plate, of one or more cone-stand legs which rest on the latter,