

No. 38178. Treatment of Waste Tinned Steel or Iron. (*Traitement des déchets du fer et de l'acier.*)

William Lorenzo Brockway, New York, N. Y., U. S. A., 1st February, 1892: 5 years.

Claim.—1st. The improvements in the treatment of waste tinned iron or steel, whereby the tin, iron and other metal are saved, which consists in heating the tinned metal to a temperature sufficient to melt and remove the tin, in a heating chamber from which air is excluded to prevent oxidation, and collecting the tin; and also cold rolling the iron or steel plates from which the tin has been removed, with or without annealing said plates.

No. 38179. Siphon Discharge, Flush Tanks and Analogous Apparatus. (*Siphon de décharge de réservoirs et autres.*)

Sidney Walker Miller, August Mayer, Frederick Howard Post and Albert Warren Berry, all of Pasadena, California, U. S. A., 1st February, 1892: 5 years.

Claim.—1st. The combination with a reservoir, of a siphon having a trapped heavily sealed discharge pipe, and means for suddenly removing from the seal a quantity of water, for the purpose of starting the siphon into action, substantially as specified. 2nd. The combination with a reservoir, of a siphon having a trapped heavily sealed discharge pipe, and means for suddenly removing from the seal a sufficient quantity of water to so shorten the column of water therein that it will cease to counterbalance the column of water in the reservoir limited between the plane at which the air within the siphon becomes confined by the rising water and the level of the water in the reservoir at the time when the removal of the water takes place, substantially as specified. 3rd. The combination with a reservoir, of a siphon having a trapped heavily sealed discharge pipe provided with an ascending intaking limb having between the receiving mouth of the discharge limb and the water level of the reservoir at which the air within said intaking limb and discharge limb becomes confined, a capacity greater than the capacity of that portion of the efficient seal of the trap adjacent to the intaking mouth of the discharge limb and limited between the upper level of the water within the trap and a vertical plane passing through the lowest point of said trap the discharge end of the discharge limb of the siphon being so constructed as to allow ample overflow for the immediate and efficient escape of that water from the trap which is forced up and raised above the mouth or overflow of said discharge end by the ascending air escaping from within the siphon, substantially as specified. 4th. The combination with a reservoir, of a siphon comprising a trapped heavily sealed discharge pipe provided with an ascending intaking limb having between the receiving mouth of the discharge limb and the water level of the reservoir at which the air within said intaking limb and discharge limb becomes confined, a capacity greater than the capacity of that portion of the efficient seal of the trap adjacent to the intaking mouth of the discharge limb, and limited between the upper level of the water within the trap, and a vertical plane passing through the lowest point of said trap, and the T branch or similar vessel, with the discharge end of the discharge pipe, projecting freely above the floor thereof, substantially as specified. 5th. The combination with the reservoir, of the siphon comprising the trapped heavily sealed discharge pipe provided with an ascending intaking limb having between the receiving mouth of the discharge limb, and the water level of the reservoir, at which the air within said intaking limb and discharge limb becomes confined, a capacity greater than the capacity of that portion of the efficient seal of the trap adjacent to the intaking limb, and limited between the upper level of the water within the trap, and a vertical plane passing through the lowest point of said trap, and the siphonage breaking device, substantially as specified. 6th. The combination with the reservoir, of the siphon comprising the trapped heavily sealed discharge pipe, provided with an ascending intaking limb, having between the receiving mouth of the discharge limb and the water level of the reservoir, at which the air within said intaking limb and discharge limb becomes confined, a capacity greater than the capacity of that portion of the efficient seal of the trap, adjacent to the intaking limb, and limited between the upper level of the water within the trap, and a vertical plane passing through the lowest point of said trap, and the siphonage breaking U pipe, arranged with one end opening into the reservoir below the level of the mouth of the intaking limb, and its other end opening into the discharge pipe below this level, substantially as specified.

No. 38180. Fixtures for Toilet Paper.

(*Porte-papier de garde-robe.*)

The E. B. Eddy Company, Hull, Quebec, Canada, assignees of Seth Wheeler, Albany, New York, U.S.A., 1st February, 1892: 5 years.

Claim.—1st. A bundle of toilet paper having a rivet through its sheets near one of its edges, in combination with a hanger-plate which is capable of turning upon said rivet, so as to form a hook as well as a hanger-plate, substantially as described. 2nd. A bundle of toilet paper, in combination with a hanger consisting of a flat metal plate provided with an elongated opening, and pivotally secured to the bundle so as to be reversible, substantially as described.

No. 38181. Wrapping or Toilet Paper Roll.

(*Rouleau à papier de garde-robe.*)

The E. B. Eddy Company, Hull, Quebec, Canada, assignees of Seth Wheeler, Albany, New York, U.S.A., 1st February, 1892: 5 years.

Claim.—1st. A roll of paper for wrapping or toilet use, so constructed that the points of attachment and severance between the sheets will be alternately out of parallel lines running through the whole body of the sheets, so that a pull upon the free end of the web will not be transmitted in a direct line through a series of sheets, but will be diverted by spaces opposite the connected points of the sheets, thereby producing a transverse strain upon the connected points sufficient to break them, substantially as described. 2nd. A roll of paper for wrapping or toilet use so constructed that the points of attachment and severance between the sheets will be alternately out of parallel lines running through the whole body of the sheets, such points of attachment and severance being upon both sides of the central longitudinal line of the web or series of sheets, so that a pull upon the free end of the web will not be transmitted in a direct line through a series of sheets, but will be diverted by the spaces opposite the connecting points of the sheets pulled upon, thereby producing a transverse strain upon the next line of connecting points sufficient to break them, substantially as described.

No. 38182. Gopher Trap. (*Piege.*)

Gordon Gilchrist, Lethbridge, District of Alberta, North-West Territory, Canada, 1st February, 1892: 5 years.

Claim. The combination of the tank A, the gravitating platform tilting within the tank, near the top, and the removable hood D, sleeved upon the wall of the tank, near the top, and having an open entrance E, and provided with a bait box F, oppositely to said entrance, substantially as set forth.

No. 38183. Combined Counter and Display Rack for Wearing Apparel. (*Comptoir et râtelier-montre combinés pour vêtements.*)

John W. Morrison, St. Louis, Missouri, U. S. A., 1st February, 1892: 5 years.

Claim.—1st. A combined counter and display rack for wearing apparel, having a hanger or hangers adapted to be rotated in a horizontal plane, and move to and from a cabinet, substantially as set forth. 2nd. A combined counter and display rack for wearing apparel, having a supporting bar or a series of supporting bars, hangers mounted upon the ends of the same, and adapted to be moved to and from the cabinet, substantially as set forth. 3rd. A combined counter and display rack for wearing apparel, having a series of supporting bars, hangers movably mounted upon the ends of the same, adapted to be moved to and from the cabinet, and sliding shelves located above the said supporting bars for receiving apparel in piles, substantially as set forth. 4th. A combined counter and display rack for wearing apparel, having a hanger or a series of same, adapted to receive a cloak or other apparel, and adapted to be moved to and from a cabinet, substantially as set forth. 5th. A combined counter and display rack for wearing apparel, consisting of a series of supporting bars, hangers mounted upon the ends of the same, for receiving a cloak or other apparel, said hangers adapted to rotate in a horizontal plane, grooves formed in the sides of the said counter and rack for receiving the ends of said sliding shelves 8, substantially as set forth. 6th. A combined counter and display rack for wearing apparel, consisting of a cabinet such as 1, openings such as 9, formed in the upper portion of the same, supporting bars such as 11, projecting on each side of the cabinet, and adapted to move in said opening, hangers such as 14, removably attached to the end of the said supporting bars, horizontal grooves such as 7, formed in the end pieces 3, and a sliding shelf or shelves such as 8, adapted to move in said grooves for receiving the apparel, substantially as set forth. 7th. A combined counter and display rack for wearing apparel, consisting of a cabinet such as 1, grooves such as 7, formed in the end pieces 3 of the same, for receiving the ends of the sliding shelves 8, opening such as 9, formed in the upper portion of the cabinet 1, supporting bars such as 11, adapted to move in said openings, hangers such as 14, removably attached to the ends of the said supporting bars, and adapted to be rotated in a horizontal plane, and knobs such as 20 for operating said supporting bars, and consequently said hangers, substantially as set forth. 8th. A combined counter and display rack for wearing apparel, consisting of a cabinet, leaves such as 15, hinged to the top of the same, and provided with a suitable mirror, and hangers adapted to be moved to and from the cabinet, and forming a part of the same, substantially as set forth. 9th. A combined counter and display rack for wearing apparel, consisting of a cabinet 1, mirrors such as 6 secured to the ends of the same, supporting bars such as 11 movably secured in the upper portion of the said cabinet, and hangers such as 14 movably secured to the ends of said supporting bars and adapted to be moved to and from a cabinet, substantially as set forth. 10th. A combined counter and display rack for wearing apparel, consisting of a cabinet such as 1, mirrors such as 6 secured to the ends of the same, supporting bars such as 11 movable in suitable openings, such as 9 formed in the upper portion of said cabinet hangers, such as 14, movably