

the purposes described. 11th. In an apparatus of the character described, the combination of the reservoir A, the reservoir B, having a fibrous spout, the receptacle C, provided with a suitable outlet, the valve D, provided with valve stem  $d^1$ , arm  $d^2$ , projection  $d^3$ , step  $d^4$ , and spring  $d^5$ , said arm being adapted to be connected with some movable object of the nature described, substantially as and for the purposes described.

### No. 37,720. Butter Cutter. (*Coupe-beurre*)

Joseph Chenier, Canmore, District of Alberta, North West Territory, Canada, 4th November, 1891; 5 years.

*Claim*.—1st. In a device for cutting and gauging butter, the combination with an open-bottomed vessel A, of the upright rods B, secured to the top of the said vessel, the plunger D, having a rod  $d$  passing through the said top, carrying the handle C, the said handle sliding on the said rods B, the levers F pivoted to the sides of the said vessel connected at the top by the rods and handle H,  $h$ , the cutting wire G secured to and connecting the lower ends of the said levers F, the U-shaped gauge wire J, and the vat  $l$ , substantially as set forth. 2nd. In a device for cutting butter, the combination with an open-bottomed vessel, having a plunger and suitable means for operating said plunger, of the levers F pivoted to the sides of the vessel, the said levers having beveled edges, the wire G carried by the said levers, and adapted to cross the bottom of the said vessel, and suitable means for operating the said levers, substantially as set forth. 3rd. In a device for cutting and gauging butter, the combination with an open-bottomed vessel A, having a handle secured to the top by the upright rods B, of the plunger D, rod  $d$  and the handle C sliding on the said rods, having notches  $c$ , and the pivoted gauge wire J, substantially as set forth.

### No. 37,721. Railway Joint. (*Joint de rail*.)

John Martin Wiley, Bonham, Texas, U.S.A., 4th November, 1891; 5 years.

*Claim*.—The combination, with the rails, of the concave fish plates provided with vertical bearing surfaces upon their inner faces, the rubber washers interposed between said bearing surfaces and the web of the rail, the bolt and the split key passed through a slot in the bolt and turned around said bolt, as and for the purposes specified.

### No. 37,722. Stand for Fire Irons.

(*Porte-tisonnier*.)

Hannah Meranda Pierce, Manitowoc, Wisconsin, U.S.A., 4th November, 1891; 5 years.

*Claim*.—A stand for fire irons and similar articles, consisting of the platform, A, side supports, B, and the standard, C, having suitable hooks,  $a$ , and the transverse partition, E, to form the compartment, D, and the openings,  $b$ , on line with the compartment, substantially as and for the purpose set forth.

### No. 37,723. Heating Drum. (*Poêle sourd*.)

Robert Pugh, Casselton, North Dakota, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. The cylinder having inlet-pipe extending within the same, combined with a heating chamber, and having ingress and egress openings and dividing the cylinder, and a foul-air pipe extended through the smaller compartment thus formed, as set forth. 2nd. The cylinder having smoke-pipe extending within the same, combined with the chambers within the cylinder, and having ingress and egress openings with space between the bottom of the chamber and cylinder, and a partition between the top of the chamber and the top of the cylinder, substantially as specified. 3rd. The combination with the cylinder and its inlet smoke-pipe, of the triangular heating-chamber within the cylinder, and having a portion extended above its top to shut off communication between the main portion of the cylinder and its exit flue, substantially as specified. 4th. The combination with the cylinder and its smoke-pipe, and triangular heating-chamber dividing the cylinder into two compartments, of the tapered foul-air pipe extended through the smaller compartment, substantially as specified. 5th. The combination with the cylinder provided with vertical guides, of the triangular heating-chamber provided with side flanges engaging said guides, and having a portion extended above the top of the chamber, substantially as and for the purpose specified. 6th. The combination with the cylinder provided with vertical guides, of the triangular heating-chamber provided with side flanges working in said guides, and having the metal extended above the top of the chamber, and its upper end turned horizontally, substantially as shown and described.

### No. 37,724. Oil Cup Attachment for Journal Boxes. (*Disposition aux godets à huile pour coussinets de tourillon*.)

George B. Woodmaney, Randolph, New York, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. In an oil-cup, the combination, with a reservoir, a casing surrounding the same and having depending edges adapted to fit over the strap of a railway-car truck, and set-screws through one of said edges, of a pipe leading from said tank and having a reduced tip, the whole adapted for use and for the purpose set forth. 2nd. In an oil-cup, the combination, with a reservoir adapted to be mounted upon the truck of a railway-car, journal-box of machinery or shafting, a pipe leading therefrom to the bearing, and a cock in said pipe, of a chamber upon said reservoir having an air-inlet opening, an air-inlet pipe leading from the bottom of said chamber into the reservoir, and a ball within said chamber normally resting upon and closing the upper end of said pipe, as and for the purpose hereinbefore set forth.

### No. 37,725. Metallic Fence Post.

(*Poteau de clôture métallique*.)

Thomas Jones Thorp, Chicago, Illinois, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. The post section consisting of a partial tube having a longitudinal opening and provided with rings secured thereto having a re-entrant angular portion fitting said opening, substantially as set forth. 2nd. The post section consisting of a partial tube having a longitudinal opening and provided with rings secured thereto having a re-entrant angular portion fitting opening and provided with external claw-hooks supported in said angular portion, substantially as set forth. 3rd. In a post, in combination with a tube having a diameter diminishing toward its top, a ring of a diameter to fit the tube at a point between its ends, said ring being provided with a wire fastening device having oppositely arranged cleft hooks constituting two pairs, arranged back to back upon one stem or shank and adapted to receive a wire between the members of one pair of hooks and around one of the other pair, thence around the stem under the first named pair, and over the wire between the hooks of said pair, substantially as set forth.

### No. 37,726. Metal Post.

(*Poteau métallique*.)

Thomas Jones Thorp, Chicago, Illinois, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. The open tube sections having their ends serrated and the serrations or teeth bent at an angle to the tube wall, combined with a plug having a screw threaded stem, a ring having two seats for the tube ends therein and a screw threaded axial opening, and also with a similar section having a plug with screw threaded opening, whereby the two plugs can be screwed together to clamp the tube sections in the ring, substantially as set forth. 2nd. The tube section having a serrated end and the serrations or teeth bent at an angle to the wall of the tube, a plug having a screw stem, and a screw threaded cap adapted to screw upon the plug stem and clamp the teeth or serrated portions between itself and the plug, whereby the end of the upper tube section is kept in proper form and adapted to receive a flange F, substantially as set forth. 3rd. The open tubular post provided with a ring having a re-entrant angular part fitting the opening in the post, an angular bracket fitting and bolted to said angular part, and a bar provided with insulators fastened to said bracket, substantially as set forth.

### No. 37,727. Apparatus for Operating Atomizers and Other Devices. (*Appareil pour pulvérisateurs et autres*.)

Frederick James Mitchell, New York, State of New York, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. The combination of an air forcing device and a pivoted arm connected therewith, both adapted to be attached to a stationary support, such as a door jamb, with a projection adapted to be attached to a movable support, such as a door, and to engage with said arm during a portion of the movement of said movable support in one direction and to pass under and behind said arm on the reverse movement of said movable support, substantially as and for the purposes set forth. 2nd. The combination of an air forcing device and a pivoted arm H, both adapted to be attached to a stationary support, such as a door jamb, with a depressible projection I, adapted to be attached to a movable support, such as a door, and to engage with said arm H, substantially as and for the purposes set forth. 3rd. The combination of the supports X, Y, of an air forcing device, of a pivoted arm H, provided with beveled portion  $h^1$ , and of a depressible bolt I, adapted to engage with said beveled portion of the arm H, substantially as and for the purposes set forth. 4th. The combination with an atomizer or equivalent device of the supports X, Y, of an air forcing device, of a pivoted arm H, provided with beveled portion  $h^1$ , and of a depressed bolt I, adapted to engage with said beveled portion of the arm H, substantially as and for the purposes described.

### No. 37,728. Corset. (*Corset*.)

John Stuart Crotty, New York, State of New York, U.S.A., 4th November, 1891; 5 years.

*Claim*.—A corset composed of several sections, alternate sections being composed of two thicknesses, the edge of one thickness overlapping the edge of the other thickness so as to leave a projecting edge of single thickness, combined with intermediate sections, the edges of the intermediate sections extending over the said projecting edge of single thickness and in between the two thicknesses, with a line of stitches run through the two thicknesses and the edge of the intermediate thickness, and other lines of stitches run through the said intermediate thickness and the said single thickness projecting edge, the said two thickness sections with their single thickness projecting edges being the sole connection between the intermediate sections, substantially as described.

### No. 37,729. Drum for Cable Railways.

(*Treuil pour tramways à traction de câble*.)

John Walker, Cleveland, Ohio, U.S.A., 4th November, 1891; 5 years.

*Claim*.—1st. A grooved driving drum for a cable railway, having the first of the series of grooves formed in a stationary or fixed part of the drum, and the remaining ones in rings adapted to turn on, and independently of, the said drum, combined with a second grooved drum, all the grooves of the two drums being of a practically common diameter, and a cable reeved around so as to connect the said