

**No. 29,084. Clothes Tongs. (*Pinces à linge.*)**

Hester V. Hardy, (assignee of Peter Coss), Toronto, Ont., 3rd May, 1888; 5 years.

**Claim.**—1st. A clothes tong consisting essentially of two bars or sticks pivoted together with handles at one end, and corrugations or flutings at the other, for gripping and retaining the fabrics, substantially as described. 2nd. In a clothes tong, the combination, with two pivoted cross sticks having corrugated or fluted gripping ends, of the depressions *a, b*, on the exterior of said cross-sticks near the points thereof, substantially as and for the purposes described.

**No. 29,085. Stove-pipe. (*Tuyau de poêle.*)**

Isaac M. House, Gravenhurst, and Hannah A. Train, Burks Falls, Ont., 3rd May, 1888; 5 years.

**Claim.**—1st. A stove-pipe having the edge at one end bent inwards to form the contracted edge *b*, and having a little distance therefrom the outwardly projecting rib *B*, the edge *a* at the other end of said pipe bent outwards to form the flaring end *b*, and having at a little distance therefrom the inwardly projecting rib *B*, substantially as set forth. 2nd. A stove-pipe having one end bent inwards to form the contracted edge *b*, and having a little distance therefrom an outwardly projecting rib *B*, substantially as set forth. 3rd. A stove-pipe having one end bent outwards to form the flaring edge *b*, and having a little distance therefrom an inwardly projecting rib *B*, substantially as set forth.

**No. 29,086. Folding Settee. (*Banc pliant.*)**

The Harwood Manufacturing Company, Boston, (assignee of Herbert J. Harwood, Littleton), Mass., U.S., 3rd May, 1888; 5 years.

**Claim.**—1st. The combination of the back frame *A*, its supporting posts *a*, the bars *G* and *H* secured thereto, and the seats *B* pivoted to said posts, with the legs *D* connected to each other by the bar *E*, and pivoted to said posts *a*, all being arranged substantially as set forth and represented. 2nd. The combination of the back frame *A*, its supporting posts *a*, the bars *G* and *H* secured thereto, and the seats *B* pivoted to said posts, with the legs *D* connected to each other by the bars *C* and *E*, and pivoted to the posts *a*, all being arranged substantially as described and represented. 3rd. The combination of the back frame *A*, its supporting posts *a*, the bars *G* and *H* secured thereto, and the seats *B* pivoted to said posts, with the legs *D* connected to each other by the bars *C* and *E* pivoted to the posts *a*, and provided with the hat supporting bail *K*, all substantially as described and represented. 4th. The combination of the back frame *A*, its supporting posts *a*, the bars *G* and *H* secured thereto, and the seats *B* pivoted to said posts, and provided with the friction hinge *I*, as set forth, with the legs *D* connected to each other by the bars *C* and *E*, and pivoted to the posts *a*, and provided with the hat supporting bail *K*, all substantially as shown and described.

**No. 29,087. Counter Stiffening for Boots and Shoes. (*Contrefort de chaussure.*)**

Louis Côté, St. Hyacinthe, Que., 3rd May, 1888; 15 years.

**Claim.**—1st. A blank for boot or shoe counter stiffenings having its flange edge corrugated, and each corrugation severed throughout a part of its length from the corrugations adjoining it, for the purposes and substantially as shown and described. 2nd. A blank for counter stiffenings for boots or shoes, having its flanged portion corrugated, and each corrugation partially severed from the adjoining corrugations and having a crease, or a crease and a bead at or near the base of the flange portion, substantially as shown and described. 3rd. A counter stiffening curved as required, for use in a boot or shoe, and provided with a corrugated flange portion, the corrugations being partially severed from each other and having a crease, or a crease and bead at or near the base of the flange portion, substantially as shown and described.

**No. 29,088. Row Lock. (*1 Jetière.*)**

William H. Rice, Addison, N.Y., U.S., 3rd May, 1888; 5 years.

**Claim.**—1st. In an oar lock, the combination of the pivoted ring *C*, having a slot *D* in its inner edge, the oar passing through the ring, the outer collar *G* embracing and secured to the oar and bearing against the outer side of the ring *C*, and the inner collar *H* secured rigidly to the oar and bearing against the inner side of the ring, and having the stop or stud *K*, to operate in the slot *D* and limit the axial rotation of the oar, substantially as and for the purpose specified. 2nd. In an oar lock, the combination, with the oar of the swivel *A*, the ring *C* pivoted between the arms thereof, and having the semi-circular slot *D* in its inner edge, the outer collar *G* embracing the oar and having the flange *f* fitting in the ring, the inner collar *H* embracing the oar, and having the flange *g* fitting in the ring and provided with a stop or stud *K*, to operate in the slot *D*, and the set-screws *I*, in the collars, to secure them rigidly to the oar, substantially as and for the purpose specified.

**No. 29,089. Car Heater. (*Poêle de char.*)**

James Wardle, Hopo, E.C., 3rd May, 1888; 5 years.

**Claim.**—An improved stove consisting of the apertured base *B*, the outer perforated cylinder *A* secured to the base, the inner cylinder *A*, provided with a conical bottom projecting through the aperture of the base, the valve *F* for closing the conical bottom of the inner cylinder, the flanged dome *D* covering the upper ends of the said cylinders, and the apertured cap *d*, over the upper end of the inner cylinder and secured between the flange of the dome and the upper end of the inner cylinder, substantially as herein shown and described.

**No. 29,090. Organ. (*Orgue.*)**

Charles Blackstone, Clinton, Ont., 3rd May, 1888; 5 years

**Claim.**—1st. The combination of the backboard *L*, the lever *A*,

the hinge *M*, the strip *R*, with the pedal brackets *Q*, and the bellows strap *W* and the case *U*. 2nd. The combination of the heel strip *U* with the pedal brackets *Q*. 3rd. The combination of the auxiliary pedal *T* with the pedal brackets *Q*. 4th. The combination of the auxiliary pedal *T*, the rod *F*, the lever *E*, the pin *I* and the rod *D*, with the rod *C* and the button *B*. 5th. The combination of the strip *R*, with the moulding *H* and the case *U*. 6th. The combination of the casings *N* and *O* with the casings *G* and *Y*. 7th. The combination of the lever *A*, the backboard *L*, the pedal brackets *Q*, the heel strip *U*, the hinge *M* and the strip *R*, with the casings *G*, *N*, *O* and *Y*, and the bellows strap *W*. 8th. The combination of the bellows strap *W*, the lever *A*, the backboard *L*, the pedal brackets *Q*, the heel-piece *U*, with the auxiliary pedal *T*, the hook (or otherwise) *P*, the rod *F*, the pin *I*, the lever *E*, the rod *D*, the rod *C* and the button *B*. 9th. The combination of the bellows strap *W*, the lever *A*, the backboard *L*, the pedal brackets *Q*, the heel strip *U*, the hook (or otherwise) *P*, the rod *F*, the pin *I*, the lever *E*, the rod *D*, the rod *C*, the strip *R*, with the casings *G*, *N*, *O* and *Y*.

**No. 29,091. Clothes Dryer. (*Séchoir à linge.*)**

Richard Chappell, Township Sixteen, Assin., 3rd May, 1888; 5 years.

**Claim.**—1st. The plan of securing or fastening a number of bars *a*, in one casting or bar holder, substantially as and for the purpose hereinbefore set forth. 2nd. The manner of fastening bar holder to clasp ring by catches *E*, *E*, *E*, *E*, substantially as and for the purposes hereinbefore set forth.

**No. 29,092. Liquid Extract of Meat Compound. (*Extrait liquide composé de viande.*)**

Stephen M. Caffyn, Middle Brighton, near Melbourne, Victoria, 3rd May, 1888; 5 years.

**Claim.**—My liquid extract of meat compound, consisting of a combination of the raw juices of lean meat with glycerine, to which may be added chloride of sodium and the other ingredients mentioned, neither said compound nor its ingredients being either concentrated or subjected to any degree of heat whatever, substantially in the proportions as herein described and explained.

**No. 29,093. Cock or Tap for Water Pipes. (*Robinet ou chantepierre pour tuyaux d'eau.*)**

Alexander Keith, (assignee of Thomas Gilt), Toronto, Ont., 4th May, 1888; 5 years.

**Claim.**—1st. The raised seat *C* for the disc *C*, with two or more openings *C*, in combination with the valve *G* and the cylindrical body *B*, as hereinbefore set forth and for the purpose specified. 2nd. In a combination compression cock, the disc *C* secured to the raised seat *C*, in combination with the screw made to screw against a shoulder at *f*, as hereinbefore described and for the purpose specified. 3rd. The combination of the disc *C*, with the valve *G*, inclosed within a cylindrical body *B*, having a rectangular branch *d* for connection to the pipes, as hereinbefore described and for the purpose set forth.

**No. 29,094. Steam Engine. (*Machine à vapeur.*)**

Elmer S. Smith, New York, and Ray V. Pierce, Buffalo, N. Y., U. S., 4th May, 1888; 5 years.

**Claim.**—1st. The combination, with the segmental case, of a segmental piston provided with an internal valve seat and inlet and exhaust passages, and a valve capable of movement in said seat in one direction by centrifugal force, and in the opposite direction by a tension device, whereby the valve is adjusted automatically and the supply of the actuating fluid is increased or reduced inversely with the speed, substantially as set forth. 2nd. The combination, with the segmental case and the segmental piston provided with an internal valve seat and inlet and exhaust passages, of a valve capable of longitudinal movement in said seat, and a spring which resists the outward movement of the valve in its seat, substantially as set forth. 3rd. The combination, with the segmental case, of a knuckle *M* secured to said case, a segmental piston provided with an internal valve seat and inlet and exhaust passages, a valve capable of longitudinal movement in said seat, and a resisting spring attached to said knuckle and connected with the valve, substantially as set forth. 4th. The combination, with the segmental case *A*, *A*, and segmental piston *B*, provided with supply ports *e*, main ports *F* and exhaust space *G*, of the valve capable of longitudinal movement in the seat, and with inlet ports *f*, *f* and exhaust ports *g*, *h*, substantially as set forth. 5th. The combination, with the segmental case *A*, *A*, and segmental piston *B*, provided with an internal valve seat *E*, of the valve *E* provided with an equalizing passage *r*, extending from end *c* of the valve, substantially as set forth. 6th. The combination, with the segmental case *A*, *A*, provided with an external chamber *L*, of the segmental piston *B*, provided with ports *F*, an exhaust space *G* around said ports, and openings, whereby said exhaust space communicates with the exhaust chamber *L*, substantially as set forth.

**No. 29,095. Steam Engine. (*Machine à vapeur.*)**

Elmer S. Smith, New York, and Ray V. Pierce, Buffalo, N. Y., U. S., 4th May, 1888; 5 years.

**Claim.**—1st. In an engine, the combination, with a case having the form of a spherical segment, of a similarly shaped piston, filling said case partially and leaving a space for the actuating fluid between the face of the piston and the head of the case, a shaft arranged in line with the axis of the case, and a crank-pin connecting said shaft with the piston in the axis of the latter, substantially as set forth. 2nd. The combination, with the case, having the form of a spherical segment, of a similarly shaped piston filling the case partially, and provided with ports for the actuating fluid, abutments arranged in the space between the piston and the case, and supply and exhaust passages for the actuating fluid, substantially as set forth. 3rd. The