

able reservoir E, the guide wings P having dovetail shanks *p* that occupy sockets *e* on the reservoir sides. 3rd. The stand composed of base A, buttons B, feet C and posts D. 4th. In combination with the base A, the tub V having the described transverse cleats L. 5th. The tub V composed of sheet metal body G, and the composite bottom consisting of wooden slab H, whose top and ends are lined with sheet metal I, said bottom being secured in the body by solder joint *x*.

No. 16,102. Unguent for Curing External Wounds. (*Unguent pour guérir les blessures extérieures.*)

Francois X. Destrampe, St. Cuthbert, Que., 10th January, 1883; (Extension of Patent No. 8451.)

No. 16,103. Improvements on Sash Cord Fasteners. (*Perfectionnements aux arrêtoirs des cordons des fenêtres.*)

William Goforth, Windsor, and Edwin S. West, Brownsville, Mo., U.S., 10th January, 1883; for 5 years.

Claim.—1st. The combination of the sash *a* constructed with the groove *a'*, the outer or open side of which is made narrower than the inner portion and open at its top, the rod *b*, having the sash cord fastened thereto and adapted to be placed down in the groove *a'*, and means for securing the said rod in the said groove. 2nd. The cord holding rod *b* having the cord *c* attached thereto and provided with the plate *b'* extended at right angles from its upper end, said plate being adapted to be turned under a screw head or equivalent construction projected from top of sash and secured to the rod within the groove *a'*. 3rd. The combination of the sash *a* constructed with the groove *a'*, the outer or upper end of which is made narrower than the inner portion and terminating in the socket *az*, the rod *b* having the sash cord secured thereto and constructed to fit snugly the inner portion of groove *a'* and adapted to be placed in the said groove with its portion *b'* seated in socket *az*, and means for securing the said rod in the said groove.

No. 16,104. Improvements on Time Locks. (*Perfectionnements aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,306.)

No. 16,105. Improvements on Time Locks. (*Perfectionnements aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,306.)

No. 16,106. Improvements on Attachments for Time Locks. (*Perfectionnements aux dispositions aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,307.)

No. 16,107. Improvements on Attachments for Time Locks. (*Perfectionnements aux dispositions aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,307.)

No. 16,108. Improvements on Time Locks and Attachments Therefor. (*Perfectionnements aux serrures et aux dispositions aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,308.)

No. 16,109. Improvements on Time Locks and Attachments Therefor. (*Perfectionnements aux serrures et aux dispositions aux serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,308.)

No. 16,110. Improvements on Modes of Mounting Time Locks. (*Perfectionnements aux modes de monter les serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,309.)

No. 16,111. Improvements on Modes of Mounting Time Locks. (*Perfectionnements aux modes de monter les serrures à mécanisme d'horlogerie.*)

Henry F. Newbury, Brooklyn, N.Y., U.S., 11th January, 1883; (Extension of Patent No. 15,309.)

No. 16,112. Machine for Thrashing and Cleaning Grain. (*Machine à battre et nettoyer les grains.*)

James M. Walker, James Macome, George Keith, Edward Meaton and Manos Vanallan, (assignees of William Giberson,) Belleville, Ont., 12th January, 1883; (Extension of Patent No. 8301.)

No. 16,113. Improvements on Fanning Mills. (*Perfectionnements aux tarareurs-cribleurs.*)

Elizabeth Bennett, (executrix of John Bennett,) Belleville, Ont., 12th January, 1883; (Extension of Patent No. 8296.)

No. 16,114. Improvements in Steam Generators. (*Perfectionnements dans les générateurs de vapeur.*)

Charles Tyson, Philadelphia, Penn., U.S., 12th January, 1883; (Extension of Patent No. 8295.)

No. 16,115. Improvements on Velocipedes. (*Perfectionnements aux vélocipèdes.*)

John M. Lowry, LaGrange, Ga., U.S., 15th January, 1883; for 5 years.

Claim.—1st. The combination, with an axle D having fast wheel D, thimble G and loose wheel C, of the frame A having the bearing boxes E F, and the hand mechanism O M J. 2nd. The combination, with the middle pivot in cross bar S, of the levers P T on opposite sides of said cross bar, the rods V, the arms W, the standard X and the wheel L. 3rd. The driving axle positively secured in the hub of one of the driving wheels and working loosely in the other and being fitted in the frame box F by a thimble G.

No. 16,116. Improvements in Dynamo-Electric Machines. (*Perfectionnements aux machines électro-dynamiques.*)

Robert J. Gulcher, Bielitz Biala, Austria, 15th January, 1883; for 15 years.

Claim.—The combination of a rotating induction ring wedge-shaped or partially wedge-shaped in transverse section (the apex of the wedge being the inner periphery of the ring) with inducing magnets, the poles or polar extensions of which are of a channel or trough-form, or of a form in section similar to, approximating to that of the letter U, the depth of said poles or polar extensions being equal to, or greater than the depth of said ring, plus the depth of the coils of wire thereon.

No. 16,117. Improvements on Switch Rods and Couplers. (*Perfectionnements aux tringles et aux coussinets des aiguilles.*)

John Lovejoy, West Lebanon, N.H., U.S., 15th January, 1883; for 10 years.

Claim.—1st. The collar C having lip *c*, bridge E and slot D. 2nd. The combination of the switch rod B grooved to form the solid clutch *a*, and removed rear walls *c*, with the collar C having lip *c*, bridge E and slot D, said collar being fastened by a wedge key K passing through it and the groove of the rod.

No. 16,118. Improvement on Injectors. (*Perfectionnement des injecteurs.*)

Paul H. Michaux, Françoise A. Michaux and Amédée C. Ringuard, Paris, France, 15th January, 1883; for 5 years.

Claim.—1st. The employment of in fire-tight pressure in place of the shock for opening the retaining valve of injectors. 2nd. In an injector the pressure reservoir or chamber *a* (with or without the air vessel *b*) placed between the end of the injecting nozzle *d* and the retaining valve *f*.

No. 16,119. Improvements on Drag Saws. (*Perfectionnements aux scies traînantes.*)

John Fisher, jr., Woodstock, N.B., 15th January, 1883; for 5 years.

Claim.—1st. The combination, with bar 10 and bed frame 1, of the rock shaft 15 cranked at both ends, lever 16 and pull and push rod 17 for lifting bars 9 and 10 to raise the saw. 2nd. The combination, with the bed frame 1 having framing 24, of the adjustable post 20, chain 22 and elbow lever 23 for clamping the log. 3rd. The combination, with the bed frame having sills 2 and 3, of the spike 1 roller 25 provided with ratchet wheel 27, and lever 28 provided with pawl 29, for feeding the log to the saw. 4th. The guide post 13, in combination with bar 10 having guides 11 and 12, to maintain the direct action of the reciprocating saw bar 9.

No. 16,120. Improvement on Cattle Ties. (*Perfectionnement des attaches de bestiaux.*)

Amos Baker, Bingham, (assignee of Cyrus M. Baker, West Waterville,) Lincoln Baker and Tilton H. Baker, Bingham, Me., U.S., 15th January, 1883; for 5 years.

Claim.—The improved cattle tie composed of the U-shaped bow A of spring metal having the closed eye *a* formed upon one of its free ends, and the catch *b* on the other end, in combination with the curved yoke B which is hinged or pivoted to the closed eye and adapted to be engaged with the catch.

No. 16,121. Improvements on Glass Furnaces. (*Perfectionnements aux fourneaux de verrerie.*)

Himan Frank, Detroit, Mich., U.S., 15th January, 1883; for 5 years.