

No. 5560. Weather Strip. (*Bourrelet de porte.*)

William Milner, Strathroy, Ont., 10th January, 1876, for 5 years.

Claim.—The weather strip H, the projection of the extremity thereof, the combination of the sliding bar G, when attached thereto by double pivoted iron levers, the projection of the sliding bar G, to meet the jamb I, the combined application of the double pivoted iron levers and springs moved by contact of the extremity of the sliding bar or weather strip with the jamb I, and the folding of thin rubber to the upper part or back of strip to form the lower part of same, also the attachment of the weather strip to the door by double pivoted iron levers with a vertical spring without a sliding bar, also the combination of the catch C, with springs to lower or raise strip.

No. 5561. Improvements on the "Meadow Lark" Mowing and Reaping Machine.*Perfectionnements à la faucheuse-moissonneuse dite "Meadow Lark."*

John H. Grant, Grimsby, Ont., 10th January, 1876, for 5 years.

Claim.—1st. The lever E, and hook d, chain c, arranged and constructed to raise the grain table A, by the foot of the driver; 2nd. The arrangement of the tilter attachment g, e, h, k, r, &c., bolted to the main frame of the machine for adjusting the height of the cutter bar, with the hand and foot when the machine is operated as a mower.

No. 5562. Watch Case Spring.*(Ressort de boîtier de montre.)*

Ansel S. Buckelew, Jersey, N. J., U. S., 10th January, 1876, for 5 years.

Claim.—The flat bar A, having its inner edge curved and formed with the spring a, at one end, the lateral projection B, at the other end, and one or more depending supports B, near the middle part, said projection and support or supports being constructed as shown.

No. 5563. Improvements in Heating Drums.*(Perfectionnements aux poêles sourds.)*

Thomas J. O'Sullivan, Hamilton, Ont., 10th January, 1876, for 5 years

Claim.—1st. In combination with the drum a, and dampers b, the draft holes j, in said dampers cut alternately on each side of the dampers respectively; 2nd. In combination with the dampers b, and rods c, the cranks d, and lever f, handle h, for operating the dampers; 3rd. In combination with the damper rod c, the nuts e, for tightening the dampers and nuts i, g, for holding the levers f, to the cranks; 4th. In combination with a drum a, and damper rods c, the series of cranks d, and lever f, for simultaneously opening and closing the dampers b; 5th. In combination with the drum a, the arrangement of the ventilator k, on the cone.

No. 5564. Improvements in Water Closets.*(Perfectionnements dans les lieux-d'aisance.)*

Robert D. O. Smith, Washington, D. C., U. S., 10th January, 1875, for 5 years.

Claim.—1st. A water closet container provided with an outlet for ventilation combined with a bowl or receiver R; 2nd. A water closet container A, provided with a circular adjustable cover C, provided with the ventilating outlet C, located entirely upon said cover; 3rd. A water closet container A, constructed with a circular groove b, in its upper edge combined with a cover c, provided with a circular rib r, adapted to fit in said groove and compress the putty or other calking matter to ensure a tight joint; 4th. A water closet container constructed with a circular top and provided with an over hung flange f, combined with a cover C, and hook bolts d, which engage under said flange and permit the adjustment and rigid attachment of said cover; 5th. A water closet container and cover c, provided with an opening for the admission of the neck u, of the receiver or bowl combined with a conical flange depending from the edge of said opening; 6th. A water closet container or hopper provided with supporting legs to permit ready access to the soil pipe joint p; 7th. A water closet combining a container A, supported upon legs and having a circular top with a groove b, and over-hung-flange f, an adjusted cover with a rib r, which enters said groove b, hooked clamp bolts d, a ventilating neck c, and an annular drooping flange t, and a receiving bowl R.

No. 5565. Horse Rake. (*Râteau à cheval.*)

Francis G. Butler, Bellows Falls, Vt., U. S., 10th January, 1876, for 5 years.

Claim.—1st. A stud axle constructed with coverings for wheel hubs and for the rock shaft bearings and with a rearward extension g₁₁ for holding an outside stripper bar, all cast together in one piece; 2nd. The lifting device consisting of the bar r, attached at its rear end directly to the dumping arm of the rock shaft, at its forward end directly to the foot lever S, pivoted beneath the bar and connected midway by means of the link t, with the hand lever the latter having no other connection with the lifting devices; 3rd. The tooth thimbles constructed with the grooved fulcrum a, for the curved part of the tooth, the opening k₁, for its tip p, and the laterally bent projection h₁ for holding the spring tooth; 4th. The central support h, sustaining a divided rock beam B, by means of a pin the inner ends of which beam are connected by said pin upheld by such support and connecting the two parts of the beam in the line of its centre of motion; 5th. The rake tooth formed with a bent end o, p, curved as set forth.

No. 5566. Steam Pump or Boiler Feeder.*(Pompe à vapeur ou alimentateur de chaudière.)*

Thomas Northey, Hamilton, Ont., 10th January, 1876, for 5 years,

Claim.—1st. The design and general arrangement; 2nd. The steam vents or passages H, H, the vents or passages J, J, and the metallic packing rings K, K; 3rd. The combination of the double nut M, with glands N, N, the lubricating recesses P, P, and the guides for the glands R, R; 4th. The combination of the double valve seats U, U, with the valve box covers V, V.

No. 5567. Improvements on Pads for Chair Legs.*(Perfectionnements aux bourelets des pieds de chaises.)*

William T. Lintner, Marvin E. Weller and Alphonso Walrath, Fort-Plain, N. Y., U. S., 10th January, 1876, for 5 years.

Claim.—A pad for chair legs, composed of a piece of elastic material, held in place by a metallic clip or ferrule, and tacks or pins.

No. 5568. Improvements in Stave-Jointing Machines.*(Perfectionnements aux machines à joindre les douves.)*

Benjamin Barker, Ellsworth, Me., U. S., 10th January, 1876, for 10 years.

Claim.—1st. The feeding strap J, adjustable and stationary feed pulleys K, K, and the foot lever W, and its connections with the movable pulley; 2nd. The feed strap and the reversing cord connected to the dogs I, in such manner that their tension holds the dogs in the staves; 3rd. In combination with two adjustable inclined saws, the sliding carriage automatically acting dogs, and the inflexible vertically curved rail, having its radius of curvature all on one side.

No. 5569. Land Roller. (*Rouleau d'agriculture.*)

John Woolridge, Deans Corners, Ill., U. S., 10th January, 1876, for 5 years.

Claim.—1st. The tongue A, and fixed cross-bar B, in combination with the roller-frames E, E, double swivel, arranged in front and rear of the bar, the rear roller being pivoted to the end of the bar B, having a floating and circular movement; 2nd. The double swivel, composed of the bolt b, ears c, and bolt d, in combination with the roller-frame E, and cross-bar B, the rollers being attached to the ends of the said bar B, one in front, and the other in rear.

No. 5570. Improvements on Reed Organs.*(Perfectionnements aux orgues à anches.)*

George Blatchford, Mitchell, Ont., 10th January, 1876, for 15 years.

Claim.—The resonant chamber having inclined and perforated top O, in combination with top perforated vertical chamber, having grand swell S.

No. 5571. Improvements on Skates.*(Perfectionnements aux patins.)*

Peter Rodier, Detroit, Mich., U. S., 10th January, 1876, for 5 years.

Claim.—1st. The combination of the plates C, C₁, C₂, the two latter provided with the spurs f, h, with heel pedestal of a skate; 2nd. The ratchet lock-plate D, and bolt d₂, in combination with the plates C, C₁; 3rd. The toe plate E, foot plate F, side plates G, G₁, plates H, H₁, adjustable clamps J, J₁, and a locking device, in combination with the pedestals B₁, B₂, of a skate; 4th. The hook latch K, pivoted between the plates G, H₁, in combination with the notch o, and projection p, of the foot plate F; 5th. A skate having a stationary side plate, provided with an adjustable sole clamp J, a swinging side-plate, provided with a similar clamp J₁, which latter plate is pivoted to the stationary plate or to an intermediate girt plate G, and a locking device K; 6th. The plate B₆, having the clamp J, secured to an attachment thereon in combination with a swinging-plate E₆, having a clamp J₁, attached thereon; 7th. The plate B₆, formed with tongues G₆, in combination with clamps J, J₁; 8th. The combination of the plate B₆, swinging plate E₆, clamp J₁, and catch L₆, or its equivalent.

No. 5572. Book-keeping Game-board.*(Tableau démonstratif de la tenue des livres.)*

Watson F. Lamb and James B. Atwood, Wilbraham, Mass., U. S., 10th January, 1876, for 5 years.

Claim.—The gameboard having the cash and merchandise tables upon which the throws are made and the duplicate set of subdivisions B, headed respectively with different titles of accounts.

No. 5573. Wash-board. (*Planche à savonner.*)

Eliza J. Duff, Edward A. Kitzmiller and Robert P. Duff, Pittsburgh, Pa., U. S., (Assignees of Westley Todd), 10th January, 1876, for 5 years.

Claim.—1st. A sheet metal wash board having a series of raised projections B, each bound by longitudinal and transverse grooves or depressions; 2nd. A sheet metal wash board having the projections B, each bound by grooves or depressions in combination with raised projections C, in the bottoms of the interlying grooves; 3rd. A sheet metal wash board having a rubbing face, both longitudinally and transversely ribbed or corrugated.

No. 5574. Lamp Extinguisher.*(Eteignoir de lampe.)*

Axel E. Edholm, (Administrator of the Estate of Gustaf F. Edholm), Lake City, Minn., U. S., 10th January, 1876, for 5 years.

Claim.—The rigid standard d, within the burner having a loop at its upper end in combination with the slide tube extinguisher a, its fin b, and the weight-chain c, passing through the floor of the burner and the standard-loop to the fin of the slide-tube.

No. 5575. Process for Imparting Resonance to Metallic Alloys.*(Procédé pour donner de la sonorité aux allages métalliques.)*

Benjamin Silliman, New-Haven, and Horace C. Wilcox, West-Meriden, Ct., U. S., 10th January, 1876, for 15 years.

Claim.—The process of submitting metallic alloys such as white metal, britannia and the like, to a regulated temperature just short of the melting point, for the purpose of permitting and securing the crystalline arrangement of their molecules, and the production in consequence of a musical ring or metallic resonance.