

No. 9655. Improvements on Shaft Bushes.*(Perfectionnements aux coussinets des arbres.)*

Peter J. McClory, Vanessa, Ont., 12th February, 1879, for 5 years.

Claim.—1st. The combination of large roller E on which shaft D runs, with rollers G and K set in pillow block A. 2nd. The double bushes H I and keys J to alter and set rollers G G; 3rd. The roller K, in cover, adjusted by packing C.

No. 9656. Improvements on Organ Pedals.*(Perfectionnements aux pédales d'orgues.)*

James H. White, West Meriden, Ct., U.S., 12th February, 1879, for 5 years.

Claim.—1st. The combination, with the principal blow pedals of an organ, of second or independent blow pedals arranged above the principal pedals, and so that either may act directly upon the bellows; 2nd. The combination of the second or independent blow pedals with, and arranged above, the principal pedals, and so as to be closed into the front when not required for use. 3rd. The brackets constructed for attachment to, or detachment from, the case, and above the principal pedals, the pedals hinged to said brackets and detachably connected to the bellows.

No. 9657. Improvements on Harrows.*(Perfectionnements aux herses.)*

Lyman Norton, Hartford, N.Y., U.S., 12th February, 1879, for 5 years.

Claim.—1st. In a harrow, the combination of the jointed toothed cross-bar B having the fingers d, the rods a b and the jointed toothed front and rear bars A A. 2nd. In a harrow, the combination of the bars A A having hooks f, the cross-bar B having curved pivots d, the rods a b and key i, whereby the said parts are adapted to be readily connected and detached.

No. 9658. Machine for Swinging Barrels.*(Machine à balancer les barils.)*

John A. Westlake, Cooperstown, N.Y., U.S., 14th February, 1879, for 5 years.

Claim.—The pivot post A, arranged beneath a store counter, and provided with rest plate E and grappling device F, for holding the barrel upon the pivot post around which it may revolve.

No. 9659. Improvements on Curry Combs.*(Perfectionnements aux étrilles.)*

Freeman Fairchild and Channing Hazeltine, Derby, Vt., U.S., 14th February, 1879, for 5 years.

Claim.—1st. A single bladed curry comb, with one edge serrated, and the other adapted to serve as a scraper. 2nd. A single bladed curry comb having its point or forward end provided with a hook. 3rd. A single bladed curry comb, with one edge serrated and the other adapted to serve as a scraper, and having its forward end provided with a hook. 4th. As a new article of manufacture, the single bladed curry comb consisting of a handle C having the straight blade A with one edge serrated, and the handle C being parallel with, but in a different plane from, the blade A.

No. 9660. Improvements on Printing Presses.*(Perfectionnements aux presses d'imprimeries.)*

Walter S. Appleton, New York, U.S., 14th February, 1879, for 15 years.

Claim.—1st. An endless wiper belt and a revolving, elastically surfaced drum, which drives the belt and brings it in contact with the plate; 2nd. The combination of the driving drum, the endless wiper belt, a rubber for removing the surplus ink from said belt, and a knife for scraping the rubber.

No. 9661. Machine for Sprinkling Paris Green.*(Machine à distribuer le vert de paris.)*

Albert Keeler, Prescott, Ont., 14th February, 1879, for 5 years.

Claim.—1st. The bottom of the pail B. 2nd. The sprinkler C, plunger E, plunger rod F, and perforated tube D; 3rd. The spring G, cross-piece H, and valve I.

No. 9662. Improvements on Packings for Steam Engines.*(Perfectionnements aux garnitures des machines à vapeur.)*

Aloha Vivarttas, New York, U.S., 14th February, 1879, for 5 years.

Claim.—1st. The packing A composed of two parts, either of which may be radially contracted or expanded independently of the other; 2nd. The packing A, consisting of the parts B and C, combined with the helix or tapered spiral D when the convolutions of D, by overlapping, form between themselves a tight or impervious joint; 3rd. The packing A consisting of the spirals B and C; 4th. The combination, with the packing A, of the reinforcement c or b; 5th. The combination, with the packing A, of the arm g or b; 6th. The combination of the packing A with the stuffing box F and rod E; 7th. The combination of the packing A with the cylinder B and piston rod E; 8th. The combination of the packing A with the plate d; 9th. The packing A having the parts B and C combined with the helix D, when, by the elasticity and flexibility of D, the necessary freedom of motion is permitted to the parts B and C.

No. 9663. Improvement on Reaper Knives.*(Perfectionnement aux couteaux des moissonneuses.)*

Samuel Collinson St Catharines, Ont., 14th February, 1879, for 5 years.

Claim.—Sickle sections for reapers in which the teeth are cut upon the face or flat sides of the edges, and the bevelled sides are left smooth.

No. 9664. Stove-pipe Damper Regulator.*(Régulateur de clé de tuyau de poêle.)*

Alvin A. Walker, Quincy, Mass., U.S., 14th February, 1879, for 5 years.

Claim.—The combination of the toothed sector B, provided with the lugs or stops c d arranged thereon, with the perforated bolt C and the slide catch E, applied to each other and the sector.

No. 9665. Device for Arresting Sparks and Burning the Smoke for Locomotives.*(Appareil fumivore et arrête-flammèche pour les locomotives.)*

Stephen Lett, Toronto, Ont., 14th February, 1879, for 5 years.

Claim.—1st. The introduction of a solid diaphragm into the smoke box of locomotives, with the devices for adjusting the same. 2nd. The introduction of cold air through the pipe A, the process of heating this air and the application of it to the unconsumed escaping fuel. 3rd. The method of returning the heat from the smoke-box to the fire-box by the combination of the diaphragm and the air pipes.

No. 9666. Improvements on Churn Dashers.*(Perfectionnements aux batils à beurre.)*

William Southward, London, Ont., 18th February, 1879, for 5 years.

Claim.—1st. The combination, with the dashers a b c, of the tubes d d and e e, and the holes h and g. 2nd. The combination, with the air tube f, of the dashers a b c and the hole h.

No. 9667. Concentrated Malt Extract.*(Extrait de malt concentré.)*

Barnabas W. Day and George Thompson, Kingston, Ont., 18th February, 1879, for 5 years.

Claim.—The preservation of malt extract, or extract of malt and hops in solution concentrated by evaporation, by the incorporation of sulfolio acid, or its chemical equivalent and butter or other oleaginous matter.

No. 9668. Improvements on Grain Binders.*(Perfectionnements aux lieux à grain.)*

The Grain Binder Association, (Assignees of William H. Rittenhouse), Norristown, Pa., U.S., 18th February, 1879, for 5 years.

Claim.—1st. A revolving binder head, provided with two pinions having oblique twister and cutter slots, arranged to receive, twist and cut the wire with a shear cut after it has been thrown around the gavel; 2nd. The revolving binder head, provided with two pinions having oblique twister and cutter slots, in combination with stationary vertical rack gears of unequal length for revolving said pinions. 3rd. The combination of the two pinions, constructed with oblique twister and cutter slots, with two locks for securing the said pinions in the proper position, to allow the wire to pass into the said slots and so arranged that one pinion is held stationary while the wire is being cut by the continued revolution of the other pinion; 4th. The stationary vertical rack gears a and a', one of them being of a greater length than the other, in combination with the two pinions G G, each being constructed with oblique slots, for receiving, twisting and cutting the wire, and so arranged, in connection with the said rack gears, that one of them is backed after the wire is twisted, and the other continues to revolve, by which action the wire is cut near the centre of the said pinions. 5th. The combination of a revolving binding arm and head, provided with the two pinions G G, with oblique slots for receiving, twisting and cutting the wire, with the spring locks H H, spring catch J, friction guide roller I, segment F, rack gears a and a', catch K and roller L.

No. 9669. Mode of Packing Cotton Batting.*(Mode d'emballage de la bourre de coton.)*

George M. Hamlin, Lockport, N.Y., U.S., 18th February, 1879, for 5 years.

Claim.—1st. A package of cotton batting composed of one or more tiers of rolls of batting compressed in their longitudinal direction and clamped between two or more rigid heads B B. 2nd. A package of cotton batting composed of one or more tiers of rolls of batting clamped between two or more rigid heads B B, secured together by an outer covering d and rings e e; 3rd. A package of cotton batting composed of one or more tiers of rolls of batting, clamped between two or more rigid heads B B, secured together by an outer covering d, rings e e, and central tie c.

No. 9670. Improvements on Match Machines.*(Perfectionnements aux machines à allumettes.)*

Ezra B. Eddy, (Assignee of George H. Millen), Hull, Que., 18th February 1879, for 5 years.

Claim.—1st. The employment of a heated cylinder B, revolving partly within a trough C holding the chemical compound in liquefaction. 2nd. The cylinder B, having internal pipe or pipes D connecting with its hollow journals, in combination with the double walled trough C having steam inlet pipe a and aperture D'. 3rd. The double walled trough C, having geared shafts E with agitators d, in combination with the hollow cylinder B mounted to revolve partly in the trough C. 4th. The double walled trough C, having sieve G in combination with the cylinder B mounted on frame A, having scraper bars G'. 5th. The combination, with the cylinder B and frame A, of the hinged gauge bar G' and lever J.

No. 9671. Improvements on Shaft Hanger.*(Perfectionnements aux coussinets des arbres.)*

Henry D. Cone, Stockbridge, Mass., U.S., 18th February, 1879, for 15 years.

Claim.—1st. In a shaft hanger, the combination of the box which forms the bearings constructed with a transverse screw threaded socket, a transverse correspondingly threaded sleeve stationary in the direction of its axis, but so as to be rotated thereon and a support for said sleeve. 2nd. In a shaft hanger, the combination of the box which forms the bearings constructed with a transverse screw-threaded socket, a transverse correspondingly