

No. 6427. Picture Frame Machine.

(Machines à cadres d'images.)

Myron L. Baxter, Aurora Ill., U. S. (Assignee of William E. Eastman), 12th August, 1876, for 5 years.

Claim.—1st. The clamping devices B B when used in connection with the circular saw A; 2nd. The hollow cylinder C in combination with the clamping devices B B; 3rd. A measure D ruled with diagonal lines parallel to the plane of the saw A; 4th. In combination with the gauge bar E and gauge block F; 5th. In combination with the gauge bar E, gauge block F and clamping devices B B, the saw A; 6th. The saw guide f attached to the frame of the machine at the rear of the saw A and guiding the same above and in front of the centre thereof; 6th. The slides b in the face of the supplementary jaws c of clamping devices B B.

No. 6428. Railroad Rail Joints and Bolts and Nut Locks.

(Joints et boulons et noix à bride de rails de routes.)

Richard Long, Pittsburg, Pa., U. S., 12th August, 1876, for 15 years.

Claim.—1st. The method of rigidly connecting the continuous ends of railroad track rails by means of fish plates constructed with a re-enforcement at the centre or opposite the rail joint; 2nd. A fish plate constructed with a heavy re-enforcement at its central portion; 3rd. A fish plates B B having a re-enforcement at their central portion and extending from the top edge to the bottom thereof, in combination with the rails A A; 4th. A fish plate, constructed of varying thicknesses whereby different degrees of rigidity are obtained therein, and capable of being rolled in their manufacture; 5th. The fish plates B B having the depressions c c formed in the face thereof, in combination with the rails A A, whereby the rails are allowed to yield; 6th. The fish plates B B constructed with the re-enforcement a a b b and d d the depressions c c; 7th. The rail joint bar formed of the fish plate and angle piece provided with a re-enforcement extending entirely across both; 8th. The method of fastening or securing nuts upon bolts, consisting in striking up a rib or projection on the body of the neck of said bolts; 9th. The bolt A having the smooth neck at formed on the end thereof and the conical recess b also in the end of the neck; 10th the punch E having the cup-shaped recess c c and the central stem or projections d d.

No. 6429. Improvements in Finger Rings.

(Perfectionnements des anneaux de doigts.)

William Eisele, Indianapolis, Ind., U. S., 12th August, 1876, for 10 years.

Claim.—A finger ring composed of the section A perforated at each end with holes P the cases B B arranged to receive the section A and the hinged ornamented catch C provided with a pin D.

No. 6430. Improvements on Floor Scrubbers.

(Perfectionnements aux balais à laver.)

Frederick A. Balch, Hingham, Wis., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The pivoted head H provided with the rubber strips C and springs G G combined with the box A; 2nd. The combination of the pivoted head H provided with the rubber strips C, springs G G box A handle B and brush D; 3rd. The button J sliding on the handle B and engaging with the box A and head H.

No. 6431. Sliding Folding Doors or Shutters.

(Portes ou contrevents brisés en coulisses.)

Sidney J. Sandford, Barrie, Ont., 12th August, 1876, for 5 years.

Claim.—1st. The combination of folding doors or shutters with swivelled rollers running on a bar above; 2nd. The combination of the roller J and the frame K with the strap M and the piece N connected by the shackle L.

No. 6432. Improvements on Chronometer Escapements.

(Perfectionnements aux échappements d'horlogerie.)

Frederick H. Voight, Buffalo, N. Y., U. S., 12th August, 1876, for 5 years.

Claim.—The combination with the chronometer lever E, or its equivalent of a disengaging or release lever F, or its equivalent, constructed to recede when passing said chronometer lever in the reverse swing and to snap back to its normal position as soon as said chronometer passed, without causing this chronometer lever, or part thereof, to describe a back movement beyond its rest.

No. 6433. Process of Tanning Leather.

(Procédé de tannage des peaux.)

George Goodwin, Cookshire, Que., 12th August, 1876, for 5 years.

Claim.—1st. The solution of sulphuric acid; 2nd. The solution of salt and waters; 3rd. The solution of japonica; 4th. The solution of alum.

No. 6434. Apparatus for Burning Hydrocarbons.
(Appareil à consumer les hydrocarbures.)

Mathew Boynton, Chicago, Ill., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The spreader b in combination with the atomizer A; 2nd. In a hydrocarbon injector the spy hole H provided with transparent plates; 3rd. In combination with a hydrocarbon injector the receiver C directly connected with the smoke stack of the furnace by means of which hot air is conveyed from the smoke stack through the injector into the furnace.

No. 6435. Door Bolt and Burglar Alarm.

(Verrou de porte alarme-voleur.)

John P. Kishlingbury, Rochester N. Y., U. S. 12th August, 1876, for 5 years.

Claim.—1st. The combination with the gear L and double acting bolts I I of the pivoted rack bars I I arranged to be connected with or disconnected from the said gear; 2nd. The combination with the pivoted rack bars I I of the links M M, sliding screw bolt g and clamping unit k; 3rd. In combination with the door bolts I I and two hammers F F, the rack arm P connected with the door bolts by a slot and pin and provided at its upper end with the spring bolt u u, the tops of said spring bolts being bevelled inward to allow them to center between the hammers.

No. 6436. Improvements in Mill Trams.

(Perfectionnements dans la disposition des meules de moulins.)

Fernand G. Wallace, Ripon, Wis., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The combination with the bed stone A and supporting plate C of the same, of a ball and socket joint B b, recess c, lugs b b, recesses c c, to provide for the oscillation of said bed stone; 2nd. The packing device for the runner spindle consisting of an annular plate H attached to the bed stone and provided with an upwardly projecting rim h around its central opening in combination with an annular plate I above consisting of two metallic annular plates I and I with an interposed flexible disk I surrounding the spindle; 3rd. In combination with the bed stone and its skirting of a flexible packing I of rubber, canvas, or other suitable material.

No. 6437. Machine for Making Barrel Heads.

(Machine à faire les fonds de barils.)

William W. Frevor, Lockport, N. Y., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The toothed wheel a provided with the projecting pin l in combination with the pinion p and spring catch N for releasing the swinging frame or carriage I after the heading is cut; 2nd. The wheel a with the counter weight d and the stop K provided with the adjusting screw h; 3rd. The combination with the wheel a of the swinging bearing L and spring arm n; 4th. The swinging rod P combined with and jointed to the swinging clamp shaft H; 5th. The swinging rod P having lengthwise motion in its support, and the spring N in combination with the clamp shaft 6th. The combination with the swinging frame or carriage I carrying the shaft H of the adjusting frame W provided the pulley V V whereby the belt U is tightened when the clamp is swung up to the saw, but slackened when it is swung back; 7th. The combination with the clamp B of the pivoted latch r, cam t, or equivalent, and rod e.

No. 6438. Improvements on Horse-rakes.

(Perfectionnements aux râteliers à cheval.)

Charles La Dow, Ballston, and James H. Melick, Albany, N. Y., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The divided axle A A with wheels B B fastened upon the outer ends thereof; 2nd. The combination of a friction gripe with the axle and rake head for locking them together; 3rd. A friction gripe consisting of a wire or cord or their equivalent, connected to the rake-head wrapped around at the axle and connected to the foot lever for locking the axle to the head; 4th. A friction gripe in combination with the divided axle secured firmly to the wheels; 5th. The longitudinally grooved button G pivoted to the front of the rake head in combination with the bent rake teeth and grooves in the head whereby the teeth are secured to the head and a free hinge movement of the same permitted; 6th. A compound or divided lever in combination with a rake head and its teeth; 7th. A divided lever handle in combination with the rake head friction gripe and axle; 8th. The stop d of india rubber or equivalent material adjustable upon the rake teeth C; 9th. The angular or bent clearing arms L.

No. 6439. Cheque Book. (Livre de Mandat.)

George E. Waring, Jr., Newport, R. I., U. S., 12th August, 1876, for 5 years.

Claim.—The combination with a central piece provided with a projecting lip for binding and containing two or more stubs or counterfoils of a corresponding number of cheques, arranged to fold over the central piece.

No. 6440. Ventilator and Chimney Top.

(Ventilateur-chapeau de cheminée.)

John B. Robertson, Toronto, Ont., 12th August, 1876, for 5 years.

Claim.—1st. A casing C, formed by the union of two cone frustrums D and E with a circle of holes G pierced in the lower half D of the said casing C, in combination with an air shaft A; 2nd. An air shaft A provided with a casing C, in combination with a cone-shaped cap H.

No. 6441. Vehicle Fifth Wheel.

(Rond d'avant-train de voiture.)

Peter B. Cunningham, Freehold, Pa., U. S., 12th August, 1876, for 5 years.

Claim.—1st. The combination of the fifth wheel A secured to the frame B and provided with raised flat portions a a, and inclined portions b b and b b, with rollers E hinged to the under side of the wagon body; 2nd. The king bolt f, secured to the frame B and having an enlarged head h, in combination with the tubular socket i and its spring g; 3rd. The combination of the raised flat portions a a of the fifth wheel A with the blocks c secured to the under side of the body.

No. 6442. Machine for Elevating the Rack from a Waggon. (Machine à élever un râtelier de wagon.)

John McLennan, Malahide, Ont., 17th August, 1876, for 5 years.

Claim.—The combination of the ratchet wheel L and wooden disc with groove K in combination with the revolving shaft D, and the method in which the ropes B B and L L therefrom are connected with the rails A A.