

The Canadian Patent Office

RECORD

Vol. XIV.—No. 12.

DECEMBER, 1886.

Price in Canada \$2.50 per An.
United States - \$2.50

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INVENTIONS PATENTED.

NOTE—Patents are granted for 15 years. The term of years for which the fees have been paid, is given after the date of the patent.

No. 25,302. Truss for Ruptures. (*Bandage Herniaire.*)

George W. Bell, St. Joseph, Mo., U.S., 1st November, 1886; 5 years.

Claim.—1st. In a truss, the combination of a band, a pad B having headed pins, a slotted spring working over the pins, and a clasp to which the spring is connected, and having a set-screw to adjust the pad on the band, substantially as described. 2nd. In a truss, the combination, with a band, of a pad D having a chambered partition *h*, a flexible sheath inclosing the partition, and a yielding packing interposed between the sheath and partition, substantially as described. 3rd. In a truss, the combination, with a band, of a pad comprising a plate, a chambered partition *h*, a sheath inclosing the plate and partition, a yielding packing and a rod having its head seated in the chamber of the partition and secured at its other end to the band, substantially as described.

No. 25,303. Shutter Fastener. (*Fermeture de Contrevent.*)

Lovi Abbott, Cambridge, Mass., U.S., 1st November, 1886; 5 years.

Claim.—1st. The improved blind fastener, composed of the latch pivoted to the side of the blind, and projecting at its free end beyond the inner edge of the blind, and provided with the radially-grooved head or enlargement at its swinging end, and a stud or catch secured to the casing in position to engage with the notch in the latch, as set forth. 2nd. The pivoted latch having the grooved head or enlargement, and a downwardly-projecting lug or ear, combined with the finger bar or rod suitably connected with said ear or lug, whereby the latch may be raised, as set forth. 3rd. The pivoted latch, having the grooved head or enlargement, combined with the spring *j* pressing inwardly on the swinging end of the latch, as set forth.

No. 25,304. Valve or Cock for Liquid Receptacles. (*Valve ou Robinet pour Futaillies.*)

Lovi Abbott, Cambridge, Mass., U.S., 1st November, 1886; 5 years.

Claim.—The combination, with a vessel or receptacle, of the flexible nozzle or discharge tube in the lower portion of the vessel, the jaws *c*, bearing on opposite sides of said tube, the arms *a*, *d*, to which said jaws are affixed, the lever *f* pivoted to a fixed support and to the arms *d*, *h*, the rod or handle *h* connected to an arm on said lever, and the spring *g* whereby said rod lever, arms and jaws are normally held in position to cause the jaws to compress the tube, as set forth.

No. 25,305 Heel Stiffener Shaping Machine. (*Machine à Contreforts de Chaussures.*)

Louis Coté, St. Hyacinthe, Que., 2nd November, 1886; 5 years.

Claim.—1st. In a machine for shaping heel stiffeners for boots and shoes, the combination of a heel-shaped former, having its sides and rear end moulded or shaped to present different counters or outlines when cut transversely at different points, and a pair of yielding pressure rolls arranged to revolve about their axes towards each other, and to move in the same direction as said former, and having their exterior surfaces moulded or shaped to conform to the varying curvature of the surface of said former, substantially as and for the

purposes described. 2nd. The combination of the former C, the rolls E and E', and the springs D and D', all constructed arranged and adapted to operate substantially as and for the purposes described. 3rd. The combination of the former C, the yielding pressure-rolls E and E', the gear wheels F and F', the racks *a* and *a*', and mechanism for imparting to said former and racks a reciprocating motion, substantially as described. 4th. The combination of the reciprocating former C, the yielding pressure-rolls E and E', the gear wheels F and F', the racks *a* and *a*' and the flange-turning plate M, all constructed, arranged and adapted to operate substantially as and for the purposes described. 5th. The combination of the reciprocating former C and racks *a* and *a*', the yielding pressure-rolls E and E', the gear-wheels F and F', the flange-turning plate M and the stiffener-discharging pawl N, all arranged and adapted to operate substantially as and for the purpose described.

No. 25,306. Revolving Pocket Hand Stamp. (*Timbre de Poche à Bascule.*)

William H. Keeler, Buffalo, N.Y., U.S., 3rd November, 1886; 5 years.

Claim.—1st. The combination, with the type-wheel, of a casing having an opening through which a portion of the type-wheel projects, an ink roller and a frame in which the type-wheel and ink roller are mounted, and which is movably attached to the casing, substantially as set forth. 2nd. The combination, with the type-wheel A, of a casing D having an opening *e*, an ink roller B, a frame C and a shield *j* secured to the casing, substantially as set forth. 3rd. In a pocket hand stamp, the combination, with the casing *D* having an opening *l* of a frame C movably attached to the casing, type-wheel A, and ink-roller B supported in the frame C, spring *m* secured to the casing and adapted to hold the ink roller against the type-wheel and a movable cover L pivoted to the sides of the casing and adapted to close the opening *l* of the casing, substantially as set forth.

No. 25,307. Flue Cleaner. (*Nettoyeur de Tuyau.*)

James A. Hurley and The F. F. Adams Company, Erie, Penn., U.S., 5th November, 1886; 5 years.

Claim.—1st. In a flue cleaner, substantially as shown, the combination of a nozzle, a shut-off valve operating in said nozzle, and having an outward extending stem, a steam supply pipe connecting with a flexible hose, a handle connected with said steam pipe, and a hand grip lever on said handle, which is operatively connected with said valve stem, substantially as and for the purposes mentioned. 2nd. In a flue cleaner, substantially as shown, the nozzle-shell A, having conical face *a*, annular steam passage *a'*, chambers A₁ and A₂, with connecting passage and steam supply entrance into the chamber A₁, in combination with the valve B, with outward extending stem B', the steam supply pipe C, flexible hose C', handle D, hand grip lever E and connecting-rod E' connecting the said lever E with the valve stem B'. 3rd. In a flue cleaner, substantially as shown, the combination of a steam nozzle, a shut-off valve within said nozzle, having a protruding stem, a handle connected with said nozzle, and a hand grip lever on said handle, which is operatively connected with said valve stem.

No. 25,308. Baling Press. (*Presse d'Emballage.*)

Peter K. Dederick, Loudonville, N.Y., U.S., 10th November, 1886; 5 years.

Claim.—1st. In a baling press, the combination, with a reciprocating traverser, of a pitman connected thereto, a guide for controlling the movement of the outer end of a pitman, a vibratory horse lever or sweep, and intermediate connections between the horse lever and pitman for causing the latter to approach and recede from a central line twice, or oftener, at each movement of the horse lever in either direction, substantially as described. 2nd. In a baling press, the combination, with a reciprocating traverser and its attached pitman, of a guide for the outer end of the pitman, a vibratory horse lever bearings for forcing the pitman past the central line in opposite directions, and an intermediate bearing, operating as described, to carry the pitman toward the central line during a portion of the traverse of the horse lever in either direction, and release it alternately on opposite sides of the centro, substantially as described. 3rd. In a