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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. 27,681. Implement for Inserting Glazier's Points. (*Pinces pour rabot à diamant.*)

Bartlett B. Chandler, Hyde Park, Mass., U. S., 1st October, 1887; 5 years.

Claim.—1st. As a new article of manufacture, the implement for inserting glazier's points, composed of the jaws B, C, pivotally connected and adapted to grasp hold and drive the point by one continuous forcible thrust, substantially as stated. 2nd. The combination, with the jaw B, of the jaw C pivotally connected therewith, and constructed with the holding lip c and driving lip b, substantially as described. 3rd. In combination with the jaw B, having the cushion b engaging the sash D, the jaw C co-operating therewith, and constructed with the notch e formed by the lips c, d, whereby the point F is grasped, substantially as herein stated. 4th. The combination, with the operating jaw B, of the jaw C pivotally connected therewith and constructed with the holding lip c, driving lip b and the transversely disposed shoulders a, adapted to engage the edge of the point, for purposes herein specified.

No. 27,682. Cam for Shingle Edging Machines, etc. (*Came pour machines à dresser le bardeau, &c.*)

Samuel Bromley, Pembroke, Ont., 1st October, 1887; 5 years.

Claim.—The cam A, having two vertically spiral faces 2, 2, to push laterally two eccentric horizontal faces 3, 3, to push vertically two radial faces diametrically opposite stopping against the faces 2 and 3, to break the push, and a central hole 5 to receive the driving shaft on which the cam is placed, as set forth.

No. 27,683. Shaft Key for Holding Gears, Wheels, etc., in Position. (*Clavette d'arbre pour maintenir en position les engrenages, les roues, etc.*)

William N. Woodruff, Hartford, Conn., U. S., 10th October, 1887; 5 years.

Claim.—The combination, herein described, the same consisting in a shaft having longitudinally thereof a key seat concaved, substantially as described, a part fitting said shaft and having a key-way and a key lying in said key-seat, one edge of said key being formed convex to fit the concavity of the key-seat, and the other edge thereof being fitted to the key-way in said part, substantially as described.

No. 27,684. Harness Buckle. (*Boucle de harnais.*)

John M. Hill and Alexander McRae, Collingwood, Ont., 1st October, 1887; 5 years.

Claim.—As an improved article of manufacture, the buckle described, consisting of the rectangular frame a, the longitudinal bars of which are enlarged to form bearings for a shaft, the shaft c journaled therein, the shank A pivoted on said shaft and slotted, as described, the tongue d pivoted on said shaft and working in said slot, and extending in the opposite direction from said shank, and the strap part B connected to said shank by a swivel-joint, substantially as described.

No. 27,685. Door Stop and Holder.

(*Butoir Arrête-porte.*)

Philip T. Halls, Elmville, Ont., 1st October, 1887; 5 years.

Claim.—1st. The combination of a pivotal holder B, formed with a bevelled or inclined and hooked end D, in combination with the stop plate A formed with an eye C, substantially as shown and described and for the purpose specified. 2nd. The combination of a pivoted holder B, formed with a bevelled or inclined and hooked end D, plate E, ribs F and pins G, in combination with a stop plate A, formed with an eye C bevelled or inclined on one side, substantially as shown and described and for the purpose specified.

No. 27,686. Machine for Cutting Bands of Sheaves in Combination with Thrashing Machines. (*Machine à couper les liens des gerbes pour les machines à battre.*)

Robert Aldred and Peter D. McCollam, Glencoe, Ont., 1st October, 1887; 5 years.

Claim.—1st. The rotary circular cutter or saw A, which is placed about the centre and in front of the cylinder of the thrashing machine, so as to come in contact with the sheaves of grain, substantially as and for the purpose specified. 2nd. In a band cutting machine, the adjustable iron frame B and short shaft c, in combination with sprocket-wheel D and malleable chain F, and sprocket wheel G, substantially as and for the purpose specified. 3rd. In a band cutting machine, the driving shaft H, bracket boxes I, I, platform J, slotted circular standard K, pulley m, all combined substantially as and for the purpose specified.

No. 27,687. Folding Clothes Bar.

(*Séchoir à linge pliant.*)

David M. Pickett, Dearborn, Mich., U. S., 1st October, 1887; 5 years.

Claim.—The combination of the central standard, the heads mounted thereon and provided with slots for the reception of the arms, the sliding arms secured therein by pins, which prevent their withdrawal therefrom, and the standards hinged to the outer ends of the arms, all as specified.

No. 27,688. Receiver for Electrical Type Writers. (*Récepteur pour graphotypes électriques.*)

James F. McLaughlin, Philadelphia, Penn., U. S., 1st October, 1887; 5 years.

Claim.—1st. An electro-mechanical receiver, comprising a series of fulcrumed type-levers, carrying respectively the desired type or symbols, electro-magnets for actuating said levers, a local circuit, including spacing mechanism, and a suitable circuit-changer in said circuit, operated by each of said type-levers, all arranged to operate as specified. 2nd. A receiver for printing telegraphs, for automatically receiving and printing messages, the combination of a suitable transmitter, having circuit-closing keys electrically connected with a corresponding electro-magnet, of the receiver provided with a pivoted armature located in proximity to the poles thereof, and connected by flexible link-rods to each and every type-lever, a series of fulcrumed type-levers radially and adjustably arranged, as shown, around a central point, and the means, such as described, which automatically operates a local electrical circuit by descent of any said type levers, after the imprint of desired letter is made upon a travelling paper roll, as set forth. 3rd. In a receiver for printing telegraphs, in connection with a suitable transmitter provided with a series of circuit-closing keys, electrically connected respectively with each corresponding electro-magnet, of receiver, the combination of a series of electro-magnets, having each a pivoted armature flexibly connected with upper end of a type-lever by link-rods, a series of fulcrumed type-levers radially and adjustably arranged around a central point, and adapted to be forced up against paper-roll by the attraction of its respective armature, the means for automatically operating a local circuit by descent of said type-levers,