

Claim.—In a fire-brick or fire-pot, as now in use, the casting of ribs *C* on the face thereof, substantially as shown and described and for the purposes set forth.

No. 23,970. Bundle Carrier for Self-Binding Harvesters. (*Porte-Gerbe pour Moissonneuses-Lieuses.*)

John C. McLachlan, London, Ont., 3rd May, 1886; 5 years.

Claim.—1st. A slotted carrier *A*, formed with turned-up sides *A*, substantially as described and for the purpose specified. 2nd. A slotted carrier *A*, in combination with an arm *B* to which it is attached and braced, substantially as shown. 3rd. A crank rod *C* pivotally attached to the frame of the harvester machine, substantially as shown and described. 4th. A tubular arm *B* attached to a crank rod *C*, substantially as described and for the purpose specified. 5th. A slotted bracket *G*, or its equivalent, for the purpose of locking and retaining the slotted carrier in a position to retain the bundles or sheaves thereon. 6th. A spring *K* for automatically raising and locking a bundle carrier in position after delivering the bundles or sheaves, and there to remain until tripped again when required, substantially as described.

No. 23,971. Medical Compound for the Cure of Womb Diseases, Cancers, Ulcers, Scalds, etc.) (*Composition Médicinale pour le Traitement les Maladies de Matrice, Cancers, Ulcères, Brûlures, etc.*)

Philomène Dumais, Hull, Que., 4th May, 1886; 5 years.

Claim.—1st. The herein described composition of matter forming a lotion to be used for the cure of the several diseases herein mentioned, consisting of high wines, iodoforn, carbonate of soda, vinegar, extract of gold thread and sulphate of alum, in the proportions specified. 2nd. The herein described composition of matter forming an ointment to be used for the cure of the diseases herein mentioned, consisting of yolk of egg, iodoforn, salt and white pepper, in the proportions specified.

No. 23,972. Artificial Leg. (*Jambe Artificielle.*)

George Beacock and Torrence Sparham, Brockville, Ont., 4th May, 1886; 5 years.

Claim.—1st. In an artificial limb, the combination of a leg, the front lower edges of which are cut to straddle the instep of a foot, with a foot, the instep of which is arched or formed on a circle, substantially as specified. 2nd. In an artificial limb, the combination of a leg and a foot, a pivot passing through both of these members at a point substantially in a vertical line with the front of the leg, and a bar passing through both of these members and adapted to move in slots formed in the foot substantially as specified. 3rd. The combination, with the leg *D*, a band *A* having the pockets *A*, of the rawhide arm or joint *C*, adapted to fit the pin *B* of the leg, and the pockets *A* of the band, substantially as specified. 4th. The combination of the leg *D*, the reinforce *D*, the pin *B* having the flange *B*, the arm or joint *C* and the screw and washer *B*, substantially as shown and described. 5th. An artificial foot, made of a single piece of rawhide and having slots *E*, in combination with the leg *D* and the bolts or rods *E*, *G*, substantially as shown and described.

No. 23,973. Button. (*Bouton.*)

Theodore L. Snyder, New York, N.Y., U.S., 4th May, 1886; 5 years.

Claim.—1st. A button, composed of a body of solid inflexible material, having a dovetailed recess provided with a convex base, substantially as set forth. 2nd. The combination, with a button of the character hereinbefore described, having a dovetailed recess provided with a raised base or bottom, of a concave convex flange adapted to fit into said recess and form a holding ground for the attachment of a flexible shank, substantially as and for the purpose set forth. 3rd. A button, having a dovetailed recess in its under side, provided with a convex base, of a flange adapted to fit into said recess, and a flexible attaching-shank provided with means whereby the same may be clamped between said button and said flange, substantially as set forth.

No. 23,974. Combined Spoon and Scraper.

(*Cuiller et Grattoir Combinés*)

Emery J. Averill, Bangor, Me., U.S., 4th May, 1886; 5 years.

Claim.—1st. A spoon bowl, formed with a truncated point, and having its side edges concaved from the extremities of the point to points, at or near the line of greatest width of the bowl, substantially as described. 2nd. A spoon bowl, formed with a truncated point, having its side edges concaved from the extremities of the point to points at or near the line of greatest width of the bowl, thence again concaved toward the butt end of the bowl, substantially as described. 3rd. The combination, with a shank or handle, of a spoon bowl formed with a truncated point, having its side edges concaved from the extremities of the point to points at or near the line of greatest width of the bowl, substantially as described.

No. 23,975. Gun Barrel. (*Canon de Fusil*)

John K. Ballard, John F. Hum and David Loudon, Grayling, Mich., U.S., 5th May, 1886; 5 years.

Claim.—1st. A fire-arm barrel, having an annular groove a short distance in front of the breech, and which groove increases in diameter in the direction from the muzzle to the breech, and forms a shoulder at its largest end, substantially as herein shown and described. 2nd. The combination, with the breech-piece *E*, having the socket *G* of the barrel section *F* having a neck *H* in the socket *G*, which neck has its bore flared at the end to form an annular groove *C*, substantially as shown and described.

No. 23,976. Process for the Manufacture of Confections. (*Procédé de Fabrication des Conerves.*)

George C. Huttemeyer, Toronto, Ont., and Francis P. Torry, Batavia, N.Y., U.S., 5th May, 1886; 5 years.

Claim.—1st. The within-described process for the manufacture of a confection, containing a substance hold independent of the material composing the confection, the said process consists in spreading the substance to be concealed upon a warm sheet of confection, folding the covered surface together, and cutting the sheet into tablets, so that the edge of each tablet shall be sealed by the outer. 2nd. The within-described process for the preparation of a confection, and containing a substance hold independent of the material composing the confection, the said process consisting in boiling sugar, raffino, cream of tartar and water, substantially in the proportions specified, to a heat of about 320 to 340 degrees Fahrenheit, spreading the compound thus prepared into a sheet, the surface of which is coated with the substance to be concealed, folded together and cut into small tablets, substantially in the manner and for the purpose hereinbefore described. 3rd. As a product of the within-described process, the tablets *C*.

No. 23,977. Stenographic Machine.

(*Machine Sténographique.*)

Robert Tyson, Toronto, Ont., (assignee of Arthur R. Bailey, Norwich, Ct., U.S.), 5th May, 1886; 5 years.

Claim.—1st. A type plate for use with stenographic machines of the class referred to, consisting of a body portion of desired shape having secured to its face an electrolytically formed of desired characters, as described. 2nd. In a machine of the class referred to, in combination with a suitable bed, ways suspended over said bed, as described, a type plate formed with a body portion adapted to travel on said ways, and having secured to its face an electrolytically formed of desired characters, and means, substantially as described, for moving said type plate on its ways for the object specified. 3rd. In combination with bed *a*, frames *k*, *l* secured to said bed, roll *n* pivoted in said frame, as described, and a bearing roll located over said roll *n*, supported in vertically slotted bearings in frames *k*, *l*, substantially as herein described, and for the object set forth. 4th. In a machine of the class referred to, a type plate carrying a series of fixed characters, supported and adapted to be moved across the sheet of paper, as described, a series of lever platens (one for each character) pivoted at one end and extending beyond the line of movement of said type plate, and a series of levers corresponding in number, and capable of engagements with said platens, adapted to be operated to force said platens into engagement with the type plate, all being combined substantially as and for the object specified. 5th. In combination with a suitable bed, ways suspended over said bed in a direction transverse to the line of movement of the paper, as described, a type plate adapted to travel on said ways carrying a series of fixed characters, spools rotatably supported at the ends of said ways, a cord passing around said spools and fastened to the type plate, as described, and means, substantially as herein set forth, for rotating said spools to cause said type plate to move in its ways. 6th. In combination with a suitable bed, ways suspended over said bed, as described, a type plate having fixed characters located and adapted to travel on said ways, rod *p* located adjacent to said type plate capable of longitudinal movement and provided with extensions *s*, *t*, and forked at its outer end, as described, a spring actuated escape wheel adapted to be released and checked by each longitudinal movement of said forked rod, as described, and paper feed rolls connected with and actuated by said escape wheel, substantially as herein specified, all being for the several objects stated. 7th. In combination with bed *a*, ways *i*, *u*, suspended over said bed, type plate *b* formed as described and adapted to travel on said ways, bar *p* formed, hung and adapted to be moved longitudinally by type plate *b*, as described, platens *c* pivoted and adapted to engage their respective types, as specified, spools *l* located at each end of ways *i*, *u*, one of said spools carrying ratchet discs 2-2', a cord connecting said spools and type plate, as specified, and the forked piece 3 pivoted to bar *p*, having arm 4 extending over and across the free end of the series of platens *c*, all being as and for the several purposes specified. 8th. In combination with a suitable bed, ways suspended over said bed as described, a type plate located and adapted to travel on said ways, an underscoring plate of the form specified movably secured to said type plate, and mechanism, substantially as described, for actuating said underscoring plate to produce a desired imprint. 9th. In combination with bed *a*, frames *k*, *l* secured to said bed, roll *n* rotatably fixed in said frames, a paper roll located in vertically slotted bearings over said roll *n*, companion feed rolls *v*, *w* rotatably located in the opposite end of frames *k*, *l*, as described, and spring actuated mechanism, substantially as described, for imparting an intermittent rotary movement to said feed rolls, for the object set forth. 10th. In combination with type plate *b*, having the movable underscoring plate 7, as described, a series of platens located and pivoted, as described, a corresponding series of operating levers adapted to move said platens into engagement with their respective types, as described, an auxiliary series of underscoring levers so located relative to the operating levers that the downward movement of said underscoring levers will also act to depress the main operating levers, and mechanism, substantially as herein described, for connecting said underscoring levers and underscoring plate, all being for the objects specified.

No. 23,978. Complete Adjustable Perpetual Date Calendar with Applications of the same. (*Calendrier Perpetuel Mécanique.*)

John M. Anderson, Toronto, Ont., 5th May, 1886; 5 years.

Claim.—1st. In a date calendar, a cylinder having the monthly