

No. 7496. Improvements in Corsets.*(Perfectionnements dans les corsets.)*

Lucien C. Warner, New York, and Ira D. Warner, Bridgeport Ct., U.S. 18th May, 1877, for 5 years.

Claim.—1st. Corsets made of several sections of cloth, that is forming pockets in the separate sections, inserting the ribs in each section and then uniting the sections together; 2nd. The breast receptacles formed by uniting several sections extending the entire length of the corset; 3rd. Breast receptacles provided with sections extending the length of the corset, some of which are slit at the ends for the reception of gores *y*; 4th. The breast receptacle stiffened by series of short parallel ribs arranged side by side; 5th. The gores *y* stiffened by parallel ribs; 6th. The combination of the short parallel ribs and long ribs; 7th. A bosom pad corset having an opening *D*, formed between the edges *c c* of each breast receptacle and provided with a flap *I*; 8th. The washer *u* combined with the hooks *e* and with the spread end of the eyelet *r*.

No. 7497. Improvements in Gas and Air Carburetters.*(Perfectionnements dans les carburateurs à gaz et à air.)*

Oscar F. Boomer and Henry R. Randall, Brooklyn, N.Y., U.S., 21st May, 1877, for 5 years.

Claim.—1st. The combination of the central oil distributing chamber *C*, the automatic longitudinally operating valve plug the surrounding zig-zag carbureting passage, interposed annular condensing chamber and the inlet and outlet pipes; 2nd. The combination with the water jacket surrounding the carbureting passage *B*, of the water inlet pipe entering the said jacket at the top thereof, and a water outlet pipe leading from or near the bottom of said jacket, whereby the refrigerated water discontinuously drawn from the bottom of said jacket in order to secure a uniform temperature.

No. 7498. Improvement in the Manufacture of Hoops.*(Perfectionnement dans la fabrication des cercles.)*

David H. Burrell, Little Falls, N.Y., U.S., and John D. McEachen, Galt, Ont., 21st May, 1877, for 5 years.

Claim.—A wooden hoop formed by cutting from a sheet of veneer scarfing one end and pointing the other, then bending it edgewise to such an extent that the curve shall compensate for the taper of the barrel or cask on which it is placed.

No. 7499. Improvements on Metallic Brushes.*(Perfectionnements aux brosses métalliques.)*

John E. Howard and Clarence E. Howard Reading, Mass., U.S., 1st June, 1877, for 5 years.

Claim.—The combination of the flanged rim *C* with the back *A* and facing *B*.

No. 7500. Improvements in Advertising Cards.*(Perfectionnements dans les cartes de publicité.)*

Alexander H. Dixon, Toronto, Ont., 1st June, 1877, for 5 years.

Claim.—A mirror sign or advertising card prepared by painting, printing lithographing or letters, mottoes, designs, &c., in block or skeleton work, or in panels upon the back face of a mirror glass before the silvering is done.

No. 7501. Improvements on Drill and Broadcast Sowers.*(Perfectionnements aux semoirs au sillon et à la volée.)*

John Fraser, Charlottetown, Ont., 1st June, 1877, for 5 years.

Claim.—1st. The combination of seed box *C* with slides *F* and connecting rods *O O*; 2nd. The arrangement of the indented wheels *A A*, sway bars *B B* and their connections with slides *E E* and lever *L*; 3rd. The combination of the reversible harrow teeth *I*, 4th. The combination of hopper board *K* with its connections.

No. 7502. Improvements on Plough Clevises.*(Perfectionnements aux volées de charrues.)*

Clark Robinson, Eau Claire, Wis., U.S., 1st June, 1877, for 5 years.

Claim.—1st. In combination with the clevis *B* provided with the spur *b* and shoulder *b¹* the locking plate *C* having a toothed front edge pivoted upon the bar *A* and capable of vertical motion, so as to enable its notches *c* to engage or be released from engagement with said spur; 2nd. In combination with the clevis *B* provided at its front end with a vertical space *b¹¹¹* which has at its front side notches *b*, the link *E* arranged to loosely fill one of said notches and provided with a horizontally flattened portion *e*, that is capable of passing through said space *b¹¹¹*; 3rd. In combination with the clevis *B C*, the two part sleeve *F* slipping over the iron beam of a plough.

No. 7503. Spring Bed Bottom.*(Fond de lit à ressorts.)*

Girdlestone B. Izzard, Hamilton, Ont., 1st June, 1877, for 5 years.

Claim.—In combination, with a bed bottom, of the continuous wires *d d* secured to the slats *a* the said wires being either plain crimped or curved as shown at *A B* and *C*, and placed either under or over, between or around the said slats in any form.

No. 7504. Furniture Spring. (Resort de meuble.)

George A. Coulson, Wingham, Ont., 1st June, 1877, for 5 years.

Claim.—The combination of the parts *B D* and the rubber band *C*.

No. 7505. Improvements on Quilting Frames.*(Perfectionnements aux métiers à piquer.)*

Henry T. Davis, Sherman, Texas, U.S., 1st June, 1877, for 5 years.

Claim.—The combination of standards or legs *A A A* rollers *B B*, screws *E E* and crank disks *D D* having locking pins *d*.

No. 7506. Improvements on Lamp Burners.*(Perfectionnements aux bcs de lampes.)*

James G. Hallas and William N. Weeden, Waterbury, Ct., U.S., 1st June, 1877, for 15 years.

Claim.—1st. The deck or chimney rest, constructed with its edge turned inward and enclosing a wire to form the edge of the chimney rest; 2nd. The chimney holding springs formed from wire, the ends of the said springs turned into a horizontal plane with the chimney rest, and secured thereto by turning the edge of the chimney rest over the said ends; 3rd. The combined wick and gas tube, formed complete in a single piece of metal, with a division between the wick and gas tube.

No. 7507. Improvements in Moccasins.*(Perfectionnements dans les moccasins.)*

Guillaume Boivin, Montreal, Que., 1st June, 1877, for 5 years.

Claim.—1st. The open flaps *A B* bearing the buckle and tightening strap attached to the sides of the opening in the moccasin or shoe hose; 2nd. The stuffing *h b*; 3rd. The guard or cord *c c c c*, in combination with the flaps *A B*.

No. 7508. Improvements on Horse Shoes.*(Perfectionnements aux fers à cheval.)*

Seth T. Bane, Chatham, Ont., 1st June, 1877, for 5 years.

Claim.—The combination of a horse shoe provided with a clip or ears forged, cast or otherwise securely attached thereto so as to form a part thereof, and in combination with the same, a weight adapted to fit upon such clip or clips and to be secured thereto by a bolt or bolts.

No. 7509. Improvements on Harvester Rakes.*(Perfectionnements aux râtaux de moissonneurs.)*

David Maxwell, Paris, Ont., 1st June 1877, for 5 years.

Claim.—1st. In combination with the rolling rake head *C*, having the arms *I* and rollers *O*, the cam track *B* having the pivoted or hinged cam gate *X* and latch *K*; 2nd. In combination with the rolling rake head *C*, having the arms *I* and friction rollers *O*, the cam track *B* having cam lug *P* for causing the rake when delivering the gavel; 3rd. In combination with the rolling rake head *C*, the cam track *B* having the gate *X*, the cam lug *P*, the bridge *R* and the gravitating lever latch *K*.

No. 7510. Machine for Cutting Leather on Sewing Machines.*(Machine à couper les cuirs sur les machines à coudre.)*

Joseph I. Pellerin and Hector Pellerin, Montreal, Que., 1st June, 1877, for 5 years.

Resumé.—Les différentes formes *Y Y^o* et *Y^o* données aux tranchants des couteaux *X*, ainsi que les trois systèmes de mouvements similaires adoptés dans le but de pouvoir appliquer le mode de levier perpendiculaire *B* porte-couteau *A*, et complètement isolé de la plate-forme de la machine à coudre; l'ergot *u* du couteau *A*, les oreilles *D* et *D^o*, le chien *I* à ressort *f* et arret *h*, les trous *E E E^o*, glissières *d* axes *j K^o*, ces dits axes, leurs raquettes *l*, les mortaises *d* de réglage *l* et d'attache des dites oreilles; les ressorts *F*, la fourche *L*, guide du bras de levier *B* munie de son ressort; (relève) *HP* du levier *B* dans la machine à zrai et son axe *Jo* le plan incliné *o* du levier et la partie *Bo* pour l'attaque du taquet *M* ou de la came *AM*, ce taquet et cette came; le valet *HP* dans tous ses détails, l'embase demi circulaire *HB* du levier *B* qui, pour la machine à brai, repose sur le plan incliné *HP* du valet; susdit, et les ouvertures *m* pour laisser passer dans les platines *P*, la pièce du couteau *A* et la contre-ouverture *z* de la contre-platine *z^o* qui rencontre l'entrée de la navette.

No. 7511. Improvements on Roof Coverings.*(Perfectionnements aux couvertures de toitures.)*

William H. Kershaw, Widnes, England, 1st June, 1877, for 5 years.

Claim.—1st. The roof covering or sheathing composed of boards or plates so sawn, moulded, cut or shaped that they lay over or hook on to each other's edges in the manner shown. 2nd. As a joint for timber roof covering the combination of the boards *A* with the metal strip *F* and asphalt *G*.

No. 7512. Improvements on Lamps.*(Perfectionnements aux lampes.)*

John H. Lewars, David McCarthy and Ellwood A. Collins, Philadelphia, Pa., U.S., 1st June, 1877, for 5 years.

Claim.—The combination with the fixed or detachable collar of a lamp, of the valve *d* made of a single piece of elastic sheet metal attached by excess to the collar and covering a vent hole with the other, said valve either lying flat upon the surface of the collar or placed in a counter sunk recess; 2nd. A detachable lamp collar made to screw on to the fixed collar of a lamp and to receive the burner, and provided with a vent hole and valve.

No. 7513. Improvements on Butter Workers.*(Perfectionnements aux appareils à apprêter le beurre.)*

Joseph R. Smith, Brockville, and James H. Merckley, North Williamsburgh, Ont., 1st June, 1877, for 5 years.

Claim.—In combination with the tray *A* having rack bars *B*, the cylinder *C* having collars *G*, bevelled to a sharp edge peripherally, and longitudinal ribs *H* supported by contact therewith.