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No. 2993. CYRUS W. SALADEE, Pittsburg, Penn., U. S., 9th January, 1874, for 5 years: "Bolster, Spring and Standard for Waggons." (Sellette, ressort et montant de wagon.)

Claim.—1st. The standard *c*, wrought cast or formed in one continuous piece of iron or steel; 2nd. The cap *F*, to cover the ends of the bolster *B*; and 3rd. Combination with the body *A*, standard *c*, and ends of the bolster *B*, the spring *E*, or its equivalent.

No. 2994. ERNEST CHANTELOUP, Montreal, Que., 9th January, 1874, for 5 years: "Self-feeding Hot Water Furnace." (Calorifère à eau à alimentation continue.)

Claim.—1st. The conical flue *E*, and its opening *F*, to throw the coal in the fire box *D*; 2nd. The smoke utilizer *K*, to receive and utilize the smoke in producing more heat; and 3rd. The combination of the furnace *A* with the ash pit *B*, the fire box *D*, the conical flue *E*, the smoke tubes *J*, *J*, and all its other parts.

No. 2995. EDMOND MATHIEU, Montreal, Que., 9th January, 1874, for 5 years: "Ointment for Piles." (Onguent pour les hémorrhoides.)

Réclame.—Un onguent amélioré *6* pour les hémorrhoides, composé en quantité plus ou moins grande d'iode, d'iogure de potasse, de noix de galle, d'opium, de cauphre et de saindoux dans les proportions et pour les fins décrites.

No. 2996. THEODORE A. LUNDY and EDWARD WALKER, Guelph, Ont., 9th January, 1874, for 5 years: "Blind Roller." (Rouleau de rideau.)

Claim.—The combination of the Spring *F*, with the loose centre *D* and the hollow centres *E*, *E*.

No. 2997. THOMAS PIPER, Hamilton, Ont., 13th January 1874; for 5 years: "Improvements on Sewing Machine Treadles." (Perfectionnements aux pédales des machines à coudre.)

Claim.—The metal spring clutch *E*, in combination with one or more pulleys *G*, or hub *J*, of fly wheel-shaft *D*, fly wheel *C*, belts *F*, arranged and constructed as described, to operate single and double treadles for sewing and other machines.

No. 2998. JOHN GRANT, Shubenacadie, N. S., 13th January, 1874, for 5 years: "A Railway Snow Plough." (Une charrue à neige de rail-route.)

Claim.—The combination of the inclined plane *A* and cutters *a*, *b*, and *c*, with the plough *B*. 2nd. Separating the snow into halves by the cutters *a*, *b* and *c*, and centre piece *C*, and forcing it through the trough formed by the sides *G* & *H*, up the inclined plane *A*, and through it to each side of the track by the plough *B*, in the manner set forth; 3rd. The adjustable centre piece *C*, for throwing the snow to one side of the track in the manner set forth.

No. 2999. WILLIAM W. BYAM, STEPHEN GROSE and MAJOR HARPER, Whitby, Ont., 13th January, 1874, for 5 years. "Blind Slat Machine." (Machine à lames de persiennes.)

Claim.—1st. The combination of the revolving shaft *D*, eccentric and eccentric rod *N*, cutters *O* *O*, and the stop *a*, arranged as described for the purpose of cutting slats the proper length; 2nd. The combination of the revolving shaft *D*, eccentrics *P*, levers *Q*, working on the fulcrums *R*, rod or bar *S*, pushers *T*, and holder *K*, arranged as described for the purpose of carrying the slats to the dies and clamps to receive the clip bearings; 3rd. The combination of the revolving shaft *D*, gearing *F*, *F*, shaft *G*, eccentric *H*, rod *I*, die or cutters *J*, die blocks *J*, and *J*2, die block cleaners *a*, feed rollers *a*, *a*, ratchet *b*, and ratchet wheel *c*, and lever *c*, arranged as described for the purpose of cutting the metal clip bearings and feeding the iron to the same; 4th. The combination of the revolving shaft *D*, eccentrics and rod *L*, pressure and cleat clamping dies *M*, blocks *j*, and springs *i*, arranged as described for the purpose of affixing the metal clip bearings; 5th. The combination of the adjustable heels *K*, the frame *A*, the clamps *h*, arranged as described for the purpose of enabling the machine to produce any required length of slat.

No. 3000. WILLIAM W. BYAM, STEPHEN GROSE and MAJOR HARPER, Whitby, Ont., 13th January, 1874, for 5 years: "A Venetian Blind." (Une persienne.)

Claim.—The combination of the slats *b*, *b*, a clip bearings *J*, *J*, the strip *C*, the plate *D*, the crank pin *E*, the partially toothed wheel *F*, and pinion *G*, arranged and connected as described and operated by the knob *I*.

No. 3001. THOMAS NEY, (Assignee of John Small,) Glenallen, Ont., 13th January, 1874, for 5 years: "Horse Poke." (Carcan de cheval.)

Claim.—1st. The curved spikes; 2nd. The manner of attaching the spikes to the spring above; 3rd. The curved spike holes or passages in the head of the poke; 4th. The combination of these parts with the spring and head parts of the Dexter Horse Poke.

No. 3002. WILLIAM SELLERS, Haverhill, Mass., U. S., 13th January, 1874, for 5 years: "Lawn Mower." (Faucheuse de parterre.)

Claim.—The improved Lawn Mower as described, the same consisting essentially of the frame *A*, driving wheels *B*, *B*, supporting and guide wheel *C*, the rotary cutter carrier *F*, and its series of knives *h*, *h*, &c., and the turning finger plate *G*, constructed, arranged and combined together as described; 2nd. The combination in a lawn mower provided with a series of rotating cutters *h*, of a turning finger plate *G*, the combination with the latter of the guiding and supporting wheel *C*, as set forth.

No. 3003. ALEXANDER RODGERS, Muskegon, Mich., U. S., 13th January, 1874, for 5 years: "Lath Machine." (Machine à latte.)

Claim.—1st. The combination of the gang of differential saws *B*, on a horizontal arbour *A*, and the inclined feed table *C*; 2nd. The combination of the differential saws *B*, inclined feed table *C*, and a feed roller having a tapered form, also a spiral rib, and arranged to confine the work to the guide as set forth.