

No. 2240. EDWARD T. GILMORE, Westborough, Mass., U. S., 8th April, 1873, for 5 years: "An Adjustable Spring Bed Bottom." (Un fond de lit à ressorts.)

By the action of tension spring levers the webbing is always kept tight, the heli-conical springs are retained in an upright position and the end slats are prevented from assuming an outwardly inclined position when the bed is used.

Claim.—1st. The tension spring levers *b*, in combination with the webbing *c*, and slats *d*; 2nd. The combination of the spring *b*, tension spring levers *b b*, and plugs *c c*, slats *d* and webbing *c*, arranged and operating as described.

No. 2241. ASHLEY D. COLE, Toronto, Ont., 8th April, 1873, for 5 years: "A Turbine Wheel." (Une turbine.)

Consists in adjustable chutes or gates connected by levers to a movable ring operated by a rack and pinion.

Claim.—The combination of the pinion *t*, rock *k*, rings *f*, rods *g*, levers *e*, for operating the gates *a*, as specified.

No. 2242. CARL W. VOLNEY, Brockville Ont., 8th April, 1873, for 5 years: "Apparatus for Manufacturing Nitro-Glycerine." (Appareil de fabrication de la nitro-glycerine.)

The object of this invention is to avoid the decomposition and danger arising in the manufacture of nitro-glycerine under the ordinary processes.

Claim.—1st. The arrangement and combination of the injecting tube *g*, and mixing shaft *d*, revolving in opposite directions whereby the glycerine is fed to the acids and mixed by circuitous motion; 2nd. The injecting tube *g*, having a circuitous motion in the vessel *a*, at or near its bottom to distribute the glycerine; 3rd. The combination of the funnel *c*, valve *v*, injecting tube *g*, hollow mixing shaft *d*, and bevelled gear wheels *f*, operating as set forth, whereby the glycerine is simultaneously fed and mixed with the acids.

No. 2243. RICHARD WARMINTON, Montreal, Que., 8th April, 1873, for 5 years: "A Knife Opening Can Top." (Couvercle de boîte à conserve s'ouvrant avec un couteau.)

Claim.—1st. A can top *d*, from which the cover *g*, is cut at a single stroke; 2nd. Combination with the can top *d*, the lugs *c*, and the cover *g*, with the indentations *h*; 3rd. Combination with the can top *d*, and the cover *g*, the small groove *e*, to receive a slight coat of solder, to permit the opening of the can, without spoiling the cover or the edges of the can top.

No. 2244. DANIEL M. LAMB, Strathroy, Ont., 8th April, 1873, for 5 years: "Water Proof Gum." (Une gomme hydrofuge.)

Manufactured from the milk weed or from the seeds or other parts of plants possessing similar properties.

Claim.—1st. The process of producing a vulcanizable water proof gum by the fermentation of fibrous or other matter in which it is contained; 2nd. The elastic vulcanizable water proof gum produced by the fermentation of the fibrous or other matter, in which it is contained.

No. 2245. OEL B. AUSTIN, Potsdam Junction, N. Y., U. S., 12th April, 1873, (Extension of Patent No. 2121 for a second period of 5 years.) "A Horse Rake." (Un râteau à cheval.)

No. 2246. OEL B. AUSTIN, Potsdam Junction, N. Y., U. S., 13th April, 1873, (Extension of Patent No. 2121 for a third period of 5 years.) "A Horse Rake." (Un râteau à cheval.)

No. 2247. GEORGE BOOTH, Toronto, Ont., 12th April, 1873, for 5 years: "A Fire Extinguisher." (Appareil pour éteindre les incendies.)

Claim.—1st. A hermetically sealed acid pot *a*, in combination with the pointed rod or pin *c*; 2nd. The application of the siphon shaped pipe *c*, to the escape cock *b*.

No. 2248. HENRY BOLTON, Elizabethtown, Ont., 12th April, 1873, for 5 years: "A Carriage Dashboard." (Garde-crotte de voiture.)

Claim.—An improved dashboard, of which the frame *a*, is made of cast metal, as described, and the panels *c c*, are cut from sheet metal the proper size and soldered into the frame.

No. 2249. WARREN O. CAMPBELL, Montgomery Vt., U. S., 12th April, 1873, for 5 years. "A compartment milk pan." (Boîte à lait à compartiments.)

Claim.—1st. The pans *a* and *e*, with divisions *c*, and diaphragm *f*, inlet *e*, outlets *e* and *f*, pipes *f* washer or stuffing box *g* and pipe *h*, in combination with platform *b*, arranged to be raised and lowered as described; 2nd. The pans *a* and *e* placed on any stationary platform with division *c*, inlet *e*, outlets *e* and *f*, pipes *f*, with washer or stuffing box *g*, pipes *h*, and diaphragm *f*; 3rd. The pan *a*, diaphragm or diaphragms *f*, opening or openings *g*, and pipes *h*.

No. 2250. CHARLES H. PERKINS, Providence, R. I., U. S., 12th April, 1873, for 5 years. "Manufacture of Horse Shoe Nail." (Fabrication du clou à cheval.)

Claim.—1st. In forming a sheet of metal with ribs or pairs of ribs, arranged parallel to each other and transversely of the grain of the metal, (all essentially as shown in figures 1 and 7) and next separating such sheet between the ribs of each pair into sections (having the form indicated by figures 2 and 3), and next, cutting each or either of such sections crosswise, alternately from one rib to and through the other (as indicated by the lines *C*, in figure 4) such producing blanks having the grains of the metal running lengthwise of the shank and head of each, also in the blanks, made as described by said process, and subsequently pointed and hammered or reduced to the necessary form or finish for use.

No. 2251. BENJAMIN PRINCE, Almonte, Ont., 12th April, 1873, for 5 years. "Manufacture of Woven Fabrics." (Fabrication des tissus.)

Claim.—The peculiar system of interchange or weaving of the weft threads with the warp threads, whereby in each *r* and of five weft and four warp threads, wefts Nos. 1, 3, and 4, alternate with each of the warps, and weft No. 2 passing over No. 1 warp, and No. 5 weft over No. 3 warp; and under the interrening warps as set forth, for the production or manufacture of a cloth in character as specified.

No. 2252. GEORGE MACKAY, Woodstock, Ont., 12th April, 1873, for 5 years. "A Ribbon Box." (Une boîte à ruban.)

Claim.—The combination of the circular cards *A*, with the spindle *B*, and rings *C*, enclosed in a suitable box *D*.

No. 2253. CORNELIUS E. HAYNES, Boston, Mass., U. S., 12th April, 1873, for 5 years: "A Clothes Wringer." (Machine à tordre le linge.)

Consists of a furcated base or clasp for attachment to a tub, provided with a peculiar clamping latch or cam, and an S shaped spring for supporting the rolls, and pivoted to a furcated base by means of a vertical bolt.

Claim.—1st. The spring consisting of the two bows and the bends *h, h*. 2nd. In combination the spring *B*, furcated block *A*, and latch or clamp *c*, the whole operating as explained.

No. 2254. JAMES J. CARTER, Seaforth, Ont., 12th April, 1873, for 5 years: "Side return flue salt evaporator." (Évaporateur à tuyau de retour latéral pour le sel.)

The object being to utilize the heat from the furnaces for heating the evaporating pans.

Claim.—The construction of evaporating furnaces, the return flues *I, I*, arranged and formed within and against the side walls *A, A*, to pass to chimneys *K, K*, at the two front corners of the furnace block in combination with the fire chambers *C*, and evaporating pans *L*.

No. 2255. HENRY FRASER, Pictou, N. S., 12th April, 1873, for 5 years. "A Door Latch." (Une planche de porte.)

Claim.—1st. The friction roller *H*, applied to the catch piece of a latch for raising the latch bar *B*, when the door is being closed; 2nd. The latch bar *B*, bevelled on its underside as set forth.

No. 2256. JOHN MCKENZIE, East Missouri, Ont., 18th April, 1873, for 5 years. "A Harrow." (Une herse.)

Claim.—1st. The combination of the iron bars *A, B*, and *C*; 2nd. The combination of the double tree *D*, and regulator *E, F*; 3rd. The shape and construction of teeth and their disposition in the bars.