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## RECORD




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### INVENTIONS PATENTED.

- No. 9942. Improvements on Spring Beds.**  
(*Perfectionnements aux lits a ressorts.*)  
Henry Whiteside, Jr., Ottawa, Ont., May 1st, 1879 (Extension of Patent No. 3397), for 5 years.
- No. 9943. Apparatus for Supporting, Lowering, Attaching and Detaching Ships Boats.** (*Appareil pour suspendre, abaisser, attacher et detacher les canots des navires.*)  
James Carpenter, Southampton, Eng., 3rd May, 1879 (Extension of Patent No. 3404), for 5 years.
- No. 9944. Improvements in Furnaces.**  
(*Perfectionnements dans les fourneaux.*)  
Robert D. Ewing, Toronto, Ont., 7th May, 1879 (Extension of Patent No. 3412), for 5 years.
- No. 9945. Improvements on Bed Springs.**  
(*Perfectionnements aux ressorts des lits.*)  
Henry B. Clark (Assignee of Moses C. Clark, Ingersoll, Ont.), 7th May 1879 (Extension of Patent No. 3423), for 5 years.
- No. 9946. Improvements on Step-Ladders.**  
(*Perfectionnements aux echelles a queue.*)  
Jacob A. Bucher (Assignee of Samuel Wright, Hillsboro Mo., U.S.), 8th May, 1879 (Extension of Patent No. 3439), for 5 years
- No. 9947. Improvements on Row-Locks.**  
(*Perfectionnements aux tolets.*)  
John W. McLean, Mahone-Bay, N. S., 12th May, 1879, for 5 years  
*Claim.*—1st The row-lock A having pin B, provided with shoulder C and stop I. 2nd The row-lock socket D provided with longitudinal slot and brackets F F with screw holes, the plate E, clamp block G, clamping cushion J, screw H, pins K K, stop L, groove M
- No. 9948. Improvements on Refrigerators.**  
(*Perfectionnements aux garde-manger.*)  
Louis Lolselle, Valleyfield, Que., 12th May, 1879, for 5 years.  
*Claim.*—1st The doors E formed in two wings and having their edges rebated. 2nd. The combination of the doors E, composed of two wings with two pivots a and shelves b. 3rd The drawer H having its sides perforated. 4th The combination of the perforated ventilators g and air pipes h, with the non-conducting material D between the outer and inner casings. 5th The lid or cover J, having the chamber K, air passages f and ventilating holes c; 6th The drip pipe L, in combination with the water dish M, having the central pipe s and vent holes j.
- No. 9949. Improvements on Seed Planters.**  
(*Perfectionnements aux traceurs-butteurs.*)  
Priaque Malhot, St. Alexis, Que., 12th May, 1879, for 5 years.  
*Claim.*—1st. In a seed planter, the combination of the manure reservoirs L with the seed reservoirs N. 2nd. The combination and arrangement of

the reservoirs L, N with the slide valves l, spindles P, c, manure dividers M seed wheels O, manure spouts g and seed spouts h; 3rd The combination and arrangement of the reservoirs L and N manure spouts g and spouts H, with the drill frame D, drill shares E, coverers F, suspension rods G and H, cranks I, shaft J, handle K and loop m.

**No. 9950. Improvements on Band Saws.**  
(*Perfectionnements aux scies a contourner.*)  
Charles Stout, Bootle, and William P. Thompson, Liverpool, Eng., 12th May, 1879, for 5 years

*Claim.*—1st. The combination of the fence G, or its mechanical equivalent, the series of holes and pins H with the revolving table or quadrant E and saw D, in a machine for sawing boards for barrel heads and other disks. 2nd The mode of manufacturing disks in separate segments interchangeable one disk on other by placing them against a fence, on a revolving support turning on an axis situated at a distance of the radius of the circle to be cut from the saw blade; 3rd. The segments of disk heads and other disks sawn without marking out so as to be interchangeable with similarly situated segments of similarly sized heads by cutting them when resting against a fence on a revolving table, revolving on an axis at a regulated distance from a band saw. 4th In a machine for cutting out barrel heads and other disks, the combination of the revolving table E, with screw B, regulating its distance from saw D, with screw F, on which is fence G, or with holes H, in which pins can be set to form a fence.

**No. 9951. Improvements on Rope Fasteners.**  
(*Perfectionnements aux taquets des cables.*)  
Léon Laurent, Montreal, Que., 12th May, 1879, for 5 years.

*Claim.*—1st. In a rope or chain fastener, the body A having the hole or ridges d d, notches e e and cap g. 2nd. In a rope or chain fastener, the arrangement and combination of the body A having the hole a, ridges d d, notches e e and cap g, with the eye bolt B, having the screwed shank b and thumb nut c.

**No. 9952. Improvements on Brick Machines.**  
(*Perfectionnements aux machines a brique.*)  
David Darvill, London, Ont., 12th May, 1879, for 5 years.

*Claim.*—1st. The combination of bevelled wheel E, cog wheels J G, pinions B C I, and centre shaft F. 2nd The combination of the connecting rod M and lever N, segments O and plunger R.

**No. 9953. Improvements on Pumps.**  
(*Perfectionnements aux pompes.*)  
Charles Tyson, Philadelphia, Pa., U. S., 12th May, 1879, for 5 years.

*Claim.*—A force pump consisting of a barrel A, with induction at or near top and eduction B at or near bottom, a piston C movable on the piston rod D, and having a valve seat E, on its upper face, and the piston rod with a valve E and stop b on opposite sides of the piston

**No. 9954. Improvements on Metallic Washboards.** (*Perfectionnements aux planches metalliques a savonner.*)  
James M. Davies, Hamilton, Ont., 12th May, 1879, for 5 years

*Claim.*—1st As an improved article of manufacture, a metallic wash board having a sheet metal frame A, bent to a tubular form mitered and soldered at the head, and stayed by the tubular bars B B and the rubbing surface of sheet zinc plain and corrugated having its side and top edges interposed and held fixedly by edges of the tubular frame A, and the lower edge reinforced by the tubular bar c secured at the ends to the frame A. 2nd. The metallic frame A, having a metallic rubbing or washing surface d, suitably corrugated or crumpled.

**No. 9955. Improvements on Metallic Hubs.**  
(*Perfectionnements aux moyeux metalliques.*)  
William F. Sawdon, Henry North and William G. Cragg, Dresden, Ont., 12th May, 1879, for 5 years.

*Claim.*—1st. A metallic hub, consisting of the pipe box A, having a fixed flange B with a corresponding removable disc C and a collar E, and cap F