

The Canadian Patent Office

RECORD

Vol. I.—No. 3.

JUNE, 1873.

Price in Canada \$1.50 per An.
United States - \$2.00

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INVENTIONS PATENTED.

No. 2059. WILLIAM L. BRAGG, Bridgewater, Ont., 12th February, 1873, for 5 years: "An Adjustable Coultter." (Un coudre mobile.)

Relates to the method of attaching the coultter to the beam, imparting a sliding motion, and rendering it adjustable.

Claim.—1st. The combination and arrangement of the catch B, arm C, eccentric pin D, band F, centre K, and key L; 2nd. The combination and arrangement of the eccentric-pin D, cam E, hand-screw G, concaves I, convexes J, and centre K.

No. 2060. JAMES F. KELLOGG, Oshawa, Ont., 12th February, 1873, for 5 years: "Improvements in Sewing Machines." (Perfectionnements aux machines à coudre.)

Claim.—1st. The base-plate A, formed with a raised portion C, and projecting-arm B, to allow of the cloth passing under such raised portion and to be retained flexibly by a spring device on the arm B; 2nd. The employment of a feed-bar D, operating over the plate A, and on the upper surface of the cloth to bring the gathers to the needle; 3rd. The adaptation to the feed-bar D, of a spiral-spring F, and lever G, for its operation; 4th. The application to the feed-bar D, of the thumb-screw I, for adjusting the stroke of the feed-bar to any required extent; 5th. The application to the base A, of a guide M, having spring-bars L, to seize the cloth, as described, and direct it in its course to the needle.

No. 2061. DAVID A. RITCHIE, Charlestown, Mass., U. S., 12th February, 1873, for 5 years: "Improvements in Metallic Pipes." (Perfectionnements aux tuyaux en métal.)

Claim.—A pipe or tube A, made by spirally winding a strip of metal and uniting its edges by a grooved or flanged seam or joint C.

No. 2062. WILLIAM S. JENKS & ORRIN L. JENKS, Port Huron, Mich., U. S., 12th February, 1873, for 15 years: "A Head-Block for Saw Mill." (Moufle de moulin à scies.)

This invention has for its object an improvement in the construction of the set works for circular saw mills, whereby a more rapid and nearly continuous rotary motion is imparted to the set shaft which moves the head-block in setting.

Claim.—1st. The construction and arrangement of the frame A, A', bearing B, B', shafts D, D, bevel-gear wheels E, E', pinion F, lever G, and pawls J, for rotating the set-shaft C; 2nd. Combination with the above named elements, the perforated quadrant H, provided with the movable stop L.

No. 2063. GEORGE MERRICK, Gananoque, Ont., 12th February, 1873, for 5 years: "Machine for Wringing Clothes." (Machine à tordre le linge.)

Claim.—1st. The springs D, of spring steel, and formed of horse-shoe or other suitable shape, to exert their unaided and combined

influence for the compression of the rollers B, C, by their journals 2nd. The metal frame A, formed with projecting cams, and fixed rolls F, to act as guides for preventing the clothes from being pinched between the ends of the rollers and frame A.

No. 2064. JUDSON W. WARNER, Oneida, N. Y., U. S., 12th February, 1873, for 5 years: "Fire-proof Safe." (Salamandre.)

Consists in the introduction of a running supply of water through hollow spaces provided for in the top, bottom, sides, and door of the safe.

Claim.—The water-tight compartments, A, B, C, D, in the top, bottom, back, and sides, and E, in the door E, with the hollow hinges H, R, and staples T, with the grooves a, a, holes b, b, inlet-pipe G, outlet-pipe H, lead or composition joint d, rods e, e, and h, valves I, and i, springs f and k, valve-seats g and j, and lever u, in combination with the safe S.

No. 2065. WILLIAM W. HUNTLEY, ABEL P. HOLCOMB & AUGUST HEINE, Silver Creek, N. Y., U. S., 14th February, 1873, for 15 years: "Machine for Purifying Middlings." (Machine à purifier les gruaux.)

Claim.—1st. The disintegrator consisting of a shaft, a cone or disc and a series of pins or beaters; 2nd. A machine for purifying middlings, the combination of a disintegrating head, an exhaust fan, and a wind trunk; 3rd. The combination in a machine for purifying middlings of a disintegrator and a series of interchangeable sieves the parts being constructed and arranged to operate with reference to each other; 4th. The combination and arrangement of the hood D, the feed-hopper C, wind trunk B, and the fan F.

No. 2066. BENJAMIN F. BAKER, Detroit, Mich., Assignee of Kellogg H. Loomis, New York, U. S., 14th February, 1873, for 5 years: "Improvements in Nut-Locks and Washers." (Perfectionnements aux écrous et rondelles.)

Relates to a washer adapted to hold a nut in position on a bolt whilst subject to constant vibratory motion.

Claim.—1st. The washer A, in combination with cut A', as described or formed in any other manner so as to produce equivalent effects acting in combination with nut B, and bolt C; 2nd. The washer A, made with a flat surface instead of a bent one as described in combination with cut A', acting in combination with nut B, and bolt C; 3rd. The washer A, in combination with A', in further combination with the corners of the washer bent so as to form points by which to fasten the washer to wooden or other substances.

No. 2067. BENJAMIN F. BAKER, Detroit, Mich., Assignee of Kellogg H. Loomis, New York, U. S., 14th February, 1873, for 5 years: "Improvements in Nut-Locks and Washers." (Perfectionnements aux écrous et rondelles.)

Claim.—1st. The steel-spring washer A, provided with a series of curved cuts and outward projections, around the central orifice G, acting in combination with a nut B, and bolt C; 2nd. The steel spring washer A, provided as described and acting in combination with nut B, and bolt C, but having a flat surface instead of a bent one as described; 3rd. The steel spring washer A, in either of the forms flat or bent in combination with the corners of the washer bent downwards so as to form points to fasten into the material upon which it is placed; 4th. The steel spring washer A, in either of the forms flat or bent, in combination with spikes applied either outside of the steel plate or driven through the plate itself to retain it in its position.