

# The Canadian Patent Office

## RECORD

Vol. II.—No. 8.

NOVEMBER, 1874.

Price in Canada \$1.80 per An.  
United States - \$2.00

### CONTENTS.

INVENTIONS PATENTED, .....	121
INDEX OF INTENTIONS, .....	126
INDEX OF PATENTERS, .....	126
ILLUSTRATIONS, .....	127

### INVENTIONS PATENTED.

No. 4002. JEREMIAH O. BROWN, (co-inventor, and Assignee of O. M. Sweet,) Forestville, N. Y., U. S., 2nd November, 1874, for 5 years: "Step Ladder." (Echelle à queue.)

*Claim.*—1st The combination with the main portion and pivoted standard of a step ladder of the adjustable brace C. 2nd. The combination with a step ladder of the side brackets F, F, forming a support for the upper step, and bearing for the hinged standard.

No. 4003. MILO J. ALTHOUSE, (co-inventor, and Assignee of G. Raymond,) Wanpan, Wis., U. S., 2nd November, 1874, for 5 years: "Wind Wheel." (Moulin à vent.)

*Claim.*—1st A wind wheel having its wings or sails pivoted in such manner that when the wheel is in motion, the centrifugal force tends to tip the wings edgewise to the wind. 2nd. The shaft B, of the wind wheel in combination with the sleeve or tube I, and sliding and rotating hub or collar C, the shaft working within the sleeve and the collar working upon the outside of the sleeve; 3rd. The hubs or collars C, D, composed of two pieces having a groove formed in their adjoining faces to receive and hold the pivot rod t, and having notches in their edges to receive the ends of the pivoted rods. 4th. In combination with the sliding collar C, the joint rods k, and l, and the weighted lever k, the said parts being arranged to operate as described; 5th. In combination with the pivoted wings I, and their brace rods b, c, the hub D, secured upon the shaft B, in such a manner as to permit its adjustment thereon for the purpose of setting the wings at any desired angle. 6th. The socket piece or bracket J, provided with a recess to receive the end of the bar H, and with an ear or projection r, to receive the pivot rod d; 7th. The tapering pin p, provided with a screw thread in combination with the metal piece O, all constructed as described to compensate for the wear of the parts and keep the joint tight.

No. 4004. DANIEL MOORE, Chicago, Ill., U. S., 2nd November, 1874, for 5 years: "Churn Dasher." (Batte-beurre.)

*Claim.*—The combination of the adjustable twisted dashers or agitators G, G, with bent arms E, F, disc or wheel B, and rod A, with sleeve D, as set forth.

No. 4005. JOSEPH HEAD, Andover, N. Y., U. S., 2nd November, 1874, for 5 years: "Leather Scouring Machine." (Machine à dégraisser les cuirs.)

*Claim.*—1st. The rectilinear reciprocating and vibrating working head E, combined with a vertically-adjustable frame B; 2nd. The extensible rod G, combined with the working head E, and the pitman F; 3rd. The bells g, supported upon anti-friction rollers r, r, r, in stationary stops p, in combination with the platform H, as set forth.

No. 4006. ALMOND F. COOPER, Cambridge, Mass., U. S., 2nd November, 1874, for 5 years: "Medicated Belt for Rheumatism." (Ceinture médicinale pour les rhumatismes.)

*Claim.*—A porous pad or belt containing a compound of alum (al. 2, O 3, 3 S O 3 x K, O. S. O. 3 x 24, H, O,) and borax (N, A, O, 2 B O 3 x 10 H O) as and for the purpose set forth.

No. 4007. NINIAN H. DOLSON, Chatham, Ont., 2nd November, 1874, for 5 years: "Automatic Car-coupling" (Attelage automatique de wagons.)

*Claim.*—1st. A side pulley E, so connected to the coupling pin O, as to elevate the latter when rotated; 2nd. A side pulley E, adapted to elevate the coupling pin O, and to be rotated from any suitable point on the car; 3rd. A vertical pin hold by a volute or other suitable spring M, 4th. A spring buffer within the chamber adapted to relieve the shock on the entering link; 5th. A volute spring M, adapted to hold the pin O, in position for coupling or be compressed by the latter when elevated; 6th. Divided buffer or draw head, constructed in two sections B, C, 7th. The spring block or buffer I, having the elastic washer p, in combination with the buffer A; 8th. The block I, having the rod J, spiral spring K, and spring catch 5, in combination with the arm q, rod Y, dog or pawl Y1, and pulley E; 9th. The buffer A, having the chamber N, E, in combination with the pulley E, chain V, pulley cc, pin O, volute spring M; 10th. The combination of the buffer A, having the chamber N, with the cap or cover P; 11th. The sliding plate R, in combination with the slot Q, and pin O; 12th. The combination in an automatic car coupling of the sliding block L, spring catch 5, arm q, dog or pawl Y1, pulley E, chain V, pulley H, pin O, and volute spring M, all arranged and operating as specified.

No. 4008. OLIVIA P. FLYNT, Boston, Mass., U. S., 2nd November, 1874, for 5 years: "Improvements on Ladies' Garments." (Perfectionnements aux vêtements de femmes.)

*Claim.*—1st. The garment a, cut from the pattern Fig. 10, in the shape described; 2nd. The lining b, constructed as set forth, and attached at the bottom to the garment a, or to an ordinary "water-proof," or to a walking dress skirt of an, description, for the purpose specified; 3rd. The welts c, having their edges e, free and provided with outer pockets f, p, and inner pockets l; 4th. In combination with the pockets f, p, the tabs h, attached to the welts c; 5th. In combination with the welts c, and skirt of the garment a, the pockets m, as described.

No. 4009. LAURENCE D. ADAMS, Buffalo, N. Y., U. S., 2nd November, 1874, for 5 years: "Car-coupler." (Attelage de wagons.)

*Claim.*—1st. The draw-head B, employing a hook arrangement or its equivalent with the aperture D, and pin hole E, within its face so that the coupling of cars may be accomplished either by hook-link or both arrangements as described; 2nd. The draw-head B, the inclined catch plate C, extending transversely and projecting over the side plates of the draw-head B; 3rd. Reducing one or both of the side plates of the draw-head B, to allow unobstructed action of the hooks; 4th. The double levers L, L, when connected to each other in such a manner as to operate simultaneously as described.

No. 4010. HILLYARD SERVIS, (Assignee of C. M. Cooledge), Rochester, N. Y., U. S., 2nd November, 1874, for 5 years. "Process for