

No. 5125. ARTHUR W. RICHARDS, Indianapolis, Iowa, U. S., 4th September, 1875, for 5 years: "Perambulating Cot." (Lit ambulant.)

*Claim.*—The perambulating and adjustable cot formed by mounting the sections E, G, J, upon the carriage A, B, C, D.

No. 5126. GEORGE CAMPBELL, and THOMAS MCKAY, Toronto, Ont., 4th September, 1875, for 5 years: "Fire-proof Shutter." (Contre-vent réfractaire.)

*Claim*—1st. A metal shutter constructed with one half of the inside space, fitted with moveable slats D, and the other half of the space fitted with a corrugated sheet, representing fixed slats C; 2nd. A metal shutter constructed with the inside space, fitted with a corrugated sheet C, as in Fig. 2; 3rd. A metal shutter constructed with the inside space, fitted with moveable slats D, as in Fig. 2; 4th. The moveable slats D, as constructed with a flange or each end, and revolving in corresponding sockets in frame B, and also formed with the cranks or lugs e, all from one piece of sheet or otherwise for the purposes set forth; 5th. The connecting rod E, with rack F, as attached to the crank e, of the slats D, also the pinion G, with handle H, and spring I, for securing the slats in any required position; 6th. The bevel wheels L, L, with axle and crank handle I, and springs K, K.

No. 5127. ALEXANDER WEIR, Wellesly, Ont., 4th September, 1875, for 5 years: "Improvements on Spinning Wheels." (Perfectionnements aux rouets.)

*Claim.*—1st. The pulley frame D, adjustable horizontally on the stool A, and in combination with the frame U, and stool A, the spindle head K, adjustable vertically by the screw stem L, and jamb nuts M, N.

No. 5128. GEORGE S. WALKER, Erie, Pa., U. S., 4th September, 1875, for 5 years: "Washing Machine." (Machine à laver.)

*Claim*—1st. The combination of base piece B, having projecting ends, extension fastening J, and tub cleats I for securing the washer in the tub; 2nd. The vertical base piece and single plain roller E, arranged in close proximity; 3rd. The screw plugs H, and spiral spring G, connected; 4th. The construction of the washer, composed in part of the two uprights A, the base and top pieces B, C, the grooved roller D, and smooth roller F.

No. 5129. WILLIAM BALL, New-Vienna, Ohio, U. S., 4th September, 1875, for 5 years: "Canal Boat." (Bateau pour les canaux.)

*Claim.*—The propeller jacket described, having the funnel shaped induction branches L, L, extending forward along the sides of the boat, beyond the point where said sides become parallel, the tops of said branches extending upward above the water line in front, and gradually descending to the propeller tube terminating in the deflecting hood b.

No. 5130. JAMES H. MYERS, Montreal, Que., 4th September, 1875, for 5 years: "Improvements on Shirts." (Perfectionnements aux chemises.)

*Claim.*—1st. A shirt bosom, front, yoke, neck-band and back; 2nd. In any shirt the bosom having its upper side extraneous a, a, formed of a less number of thicknesses of fabric than the main body of the bosom; 3rd. A shirt the bosom having its lower end formed of a less number of thicknesses of fabric than the bosom itself.

No. 5131. JULIUS BUECHNER, St. Paul, Ma., U. S., 4th September, 1875, for 5 years: "Picture Exhibitor." (Montre-image.)

*Claim.*—1st. A picture case composed of an ordinary frame with hinged back part having inclosing flaps and tongue for folding entirely around the same or separately at the back for inclosing and exhibiting pictures; 2nd. The folding bottom flap of the back part provided with tongue locking straps at both sides, for securing the flaps of the case at front or at the back.

No. 5132. JOHN W. H. DOUBLER, Philadelphia, Pa., U. S., 4th September, 1875, for 5 years: "Improvements in Mechanical Motors." (Perfectionnements dans les moteurs mécaniques.)

*Claim*—1st. A mechanical motor receiving impulse from a series of spiral springs connected as a to produce motion corresponding in duration to their aggregate lengths; 2nd. The combination with the spiral springs A, sliding plates E, the pulleys G, attached to plates E, and the cord D, passing around said pulleys from the winding shaft and causing the plates to rise and descend alternately when the springs are compressed and allowed to expand; 3rd. The brake lever J, having a cushioned arm to impinge against the fly or belt wheel I; 4th. The combination of the cushioned brake J, fly wheel I, and spring M; 5th. In a motor the double fusée N.

No. 5133. OSWALD NOACK, Baltimore, Md., U. S., 4th September, 1875, for 5 years: "Crimping Machine." (Machine à cambrer.)

*Claim*—1st. The clamps G, pivoted to the frame A, and adapted to be raised when not in use by means of a reactionary spring I, combination with the plate C, and lower die plates B; 2nd. The clamps G, adjustably connected to the rods g, in combination with the treadle h, and spring bar k.

No. 5134. GEORGE J. SHIMER, Milton, Pa., U. S., 4th September, 1875, for 5 years: "Cutter-Head." (Porte-lames.)

*Claim.*—1st. A revolving cutter head A, provided with hubs or seats a, having their faces oblique to the plane of rotation, and alternately inclined inward and outward so as to cause the bits secured against said faces to cut to the right or left hand; 2nd. A circular cutter or bit B, combined with a revolving cutter head A, provided with seats a, having inclined faces; 3rd. The hub A, having a concave depression A', in combination with circular bits B; 4th. The bit B, having a sunk head B; 5th. The gauge E; 6th. A bit formed of a circular plate or disc, sufficiently thick to form the required cutting edge, and thin in the central part or web, and transversely notched.

No. 5135. JOHN AMOR, Hamilton, Ont., 4th September, 1875, for 5 years: "Hose-Coupling." (Joint de tuyaux élastiques.)

*Claim.*—1st. The combination and arrangement of the bevelled collars B E, provided with the projections a, a, with the parts C, F, for a hose coupling; 2nd. The arrangement of the collars B, E, with the part C, as shown in Fig. 3, for repairing a burst-hose.

No. 5136. GEORGE H. STEADMAN, Hopewell-Cape, N. B., 7th September, 1875, for 5 years: "Machine for Removing Snow from Railways." (Machine à enlever la neige des voies ferrées.)

*Claim.*—The combination of cylinder C, and plates or blades D.

No. 5137. EDWARD MAY, Montreal, Que., 7th September, 1875, for 5 years: "Improvements on Motive Powers." (Perfectionnements aux pouvoirs moteurs.)

*Claim.*—In combination with any suitable frame a rubber band C, secured at one end thereto, passing over and under any desired number of pulleys, and having its other end secured to a drum so as to be wound up upon it.

No. 5138. JAMES S. WETHERELL, Newmarket, Ont., 7th September, 1875, for 5 years: "Improvements in Buggy-Seats." (Perfectionnements dans les caisses des voitures.)

*Claim.*—1st. The folding joints F, F; 2nd. The sliding seat with the fillets L, K, and the spring and bar N, O, and the application of the whole to cutters as well as buggies.

No. 5139. GEORGE R. EAGER, Boston, Mass., U. S., 7th September, 1875, for 5 years: "Improvements on Blouses, Overalls and other Garments." (Perfectionnements aux habits, pardessus et autres vêtements.)

*Claim*—1st. A garment provided with a hollow waist band a combined with a strap b, or straps, and buckle c, or buckles; 2nd. A garment provided with a hollow waist-band a, combined with a strap b, or straps, buckle c, or buckles, and with a reaving loop o, or loops.