No. 4104. RICHARD J. TOOKE, Montreal, Que., 26th November, 1874, for 5 years. "Improvements on Shirts." (Perfectionnements aux chemises.)

*Taim - The combination of the two sides of the front A, and B, with band made into parts C, and D, and with split E, extending below sant band made in two parts as described, 2nd. The combination of the front made in two parts A, and B, with band made in two parts C, and D, split E, and back openings F, as set forth.

No. 4105. ROBERT ROSS, Vergennes, Vt., U.S., 26th November, 1874, for 15 years: "Machine for Finishing Horse Shoe Nails." (Machine à finir le clou à cheval.)

Claim.—1st. A longitudinally reciprocating feed-screw or equivalent device; 2nd. The combination of a moveable die and stationary punch; 3rd. The combination of a moveable die and stationary punch with a longitudinally reciprocating feed-screw or other intermittent feeding device, whereby the nails are hold stationary during the action of the moveable die upon them; 4th. The combination of the feed screw A, the revolving die B, and the stationary punch C; 5th. The combination of the feed screw A, the reciprocating die I, and the stationary punch c; 6th. The c. bination of the reciprocating die I, the stationary punch c, and the clearing block k; 7th. The combination of the cam faced roller II, the triction roll I, the spring J, or their equivalents and the feed screw A, 5th. The milling cutter D, and the stationary nail-support G, in combination with the feed screw A; 9th. The small roller U, mounted in the periphery of the wheel E; 10th. The combination of the milling cutter D, the small roller U, and the feed screw A; 1th. The unclined table Q, and the small roller U, is 13th. The combination of the small roller U, and the inclined table Q, and the small roller U; 1th. The combination of the small roller U, and the inclined table Q, and the small roller U, and the inclined table Q.

No. 4106. James Leith, Ridgway, Pa, U. S., 26th November, 1874, for 5 years: "Automatic Car-Coupling." (Attelage de wagons automatique.)

Claim.—1st. The U-shaped draw-heads A, sliding hook-bars B, silding bars C, spring D, guide bars E, all combined as described. 2nd The combination of the levers H, bars M, heads N, with the sliding pins C, spring D, sliding hooks B, and draw-heads A, 3rd. The combination of the sliding hook bars B, with the link O, as set

No. 4107. BENJAMIN A. WILITAKER, Wellington Square. Ont., 27th November, 1874, for 5 years: "Curtain Roller." (Rouleau de rideau.)

Claim.—1rt. The roller G, in connection with the spiral spring P, the holder it, and pawl or lover B. for the purposes set forth; 2nd. The rod F, on which the spring E, works in the holder G, in connection with the arms H, all operating as set forth.

4108. WILLIAM T. ROOT and WILLIAM G. Wood, Ingersoll, Ont., 27th November, 1874, for 5 years: "Boiler for Steam Power and Heating Buildings." (Chaudière à vapeur pour les machines et le chauffage.)

Claim.—1st. The funnel-shaped magazine C, when arranged in combination with the hot air pipes A, and hot air spaces B, and E: 2nd. The fuel regulator F, constructed as described in combination with the magazine C; 3rd. The regulator I, constructed as described when used in combination with the fire pot D; 4th. The fire put D, constructed as described, 5th. The grate M, when constructed in combination with the inclined planes N, and N. 6th. The manner of fastening the jacket O, by the strips P, Q, and bolts it as described.

No. 4109. WILLIAM H. FULTON, Foxcraft, Me., U. S., 27th November, 1874, for 5 years: "Machine for Raising or Extracting Stumps, Stones, &c." (Machine à lever ou extraire les souches, pierres, &c.)

Claim.—1st. The combination of the suspended rod b, and pawl C, jointed thereto with the yoke E, attached to said pawl lever F, and rack bar j, provided with teeth j, 2.2al. The suspen led pawl c, provided with an oye or like device for the reception of the fulcrum yoke E, so arranged that the action of the lever f, having its fulcrum in said yoke E, will operate to force the pawl into engagement with the teeth j, of the rack bar; 3rd. The rack bar g, provided

with an eye K, in combination with the suspending rod b, whereby said rod serves as a guide rod to said rack bar: 4th. The combination of the suspended rod b, link n, and yoke 1, jointed thereto with the lever c, and rack bar p, provided with teeth c, all opera ting as set forth.

No. 4110. Frederick A. Lockwood, Fall River, Mass., U.S., 27th November, 1874, for 5 years: "Leather Working Machine." (Machine a apprêter les cuirs.)

Mass., U. S., 27th November, 1874, for 5 years: "Leather Working Machine." (Machine a apprehen les cuirs.)

Claim.—1st. The combination with the table or bed for supporting the sk n, of a tool carrier or stock arranged and operated to move, to travel in any direction over and with respect to the table move, to travel in any direction over and with respect to the robust of the combination with the stock to properly act upon the skin; 2nd. The combination with the stock to properly act upon the skin; 2nd. The combination with the stock to properly act upon the skin; 2nd. The combination with the stock of the st