

**No. 10,466. Improvements in Hosiery.** (*Perfectionnements dans la bonneterie.*)

Howard K. Clarke, St. John, Que., 20th September, 1879, for 5 years

**Claim.**—Knit hosiery having doubled tops formed in one with and by the same process as the rest of the stocking or sock.**No. 10,467. Improvements in Sewing Machines.** (*Perfectionnements aux machines à coudre.*)

Nathan Hayden and Erastus M. Skinner, Chicago, Ill., U. S. 20th September, 1879, for 5 years

**Claim.**—In the combination of a slitted needle-bar, two needles and a single clamp and screw adapted to compress and retain both needles with equal security**No. 10,468. Combined Box and Sample Card.** (*Boite et carte à échantillons combinées.*)

Morris H. Polaski, Philadelphia, Pa., U. S., 20th Sept. 1879, for 5 years

**Claim.**—1st. A box, for packing lace or embroidery, that will conveniently open and close and allow the removal or replacing of any part of the goods, without soiling or injuring the goods or the box, having flaps C, slits F F, measure D, ring E. 2nd. A box, for packing lace, embroidery, &c., having flaps C, slits F F in the bottom of the box, for the purpose of exposing samples of the contents of the box.**No. 10,469. Improvements in Hydrants.** (*Perfectionnements aux bornes-fontaines.*)

Norris C. Peterson, Sarnia, Ont., 20th September, 1879, for 5 years

**Claim.**—1st. The open water way through head of spigot plug i, turning within the casing m with combination of lock nut i, to hold both pipe and plug rigidly, and extension handle g insuring the flow or cut-off by a quarter turn in either direction; 2nd. The combination, with the head of the discharge pipe f, of the attachment h and lock nut i, to be used instead of the handle for yard and house purposes. 3rd. The combination of two waste water vents o with the outer casing m insuring the escape of returning water, at either turn of the handle g, or attachment h. 4th. The surface box with iron bottom perforated for reception pipe and waste water vents e and fitted with stops d and angle irons e.**No. 10,470. Machine for Distributing Potato Bug Poison.** (*Machine à distribuer le poison pour la mouche à patates.*)

David Lockhead, Hochelaga, Que., 20th September, 1879, for 5 years.

**Claim.**—1st. The combination of the axle b, having adjustable wheels e, frame a, shaft i having brushes, boxes i, 2nd. The combination of the boxes i, having hopper bottoms a and slips p, legs d, conductors e, shoes f, and brush n. 3rd. The combination of the box i, having hopper bottom a and slip p, leg d, conductor e, shoes f, rake i and revolving brush n.**No. 10,471. Mowers and Reapers.** (*Faucheuses moissonneuses.*)

Walter H. Laurie, Montreal, Que., 22nd September, 1879, for 5 years.

**Claim.**—In the combination with a face cam or corrugated face wheel, the bar or bars D, carrying rollers F F, all adjustable in position relatively to said wheel.**No. 10,472. Improvements on Locomotive Pilots and Snow Ploughs.** (*Perfectionnements aux locomotives de réserve et charrires à neige.*)

John J. Van Wagoner, Syracuse, and John Butler, Oswego, N. Y., U. S., 22nd September, 1879, for 5 years.

**Claim.**—1st. The flat faced rectangular framed locomotive pilot, having the slats a and openings or spaces between them, and provided with pockets or slide holders B C, or their equivalents, adapted to receive and hold the movable sliding plates; 2nd. The combination, with a pilot for loco-

motives and the cross-beam A, of a rearwardly superimposed snow plough constructed with an apron and mould boards, united so as to form a divider. 3rd. The combination of the pilot attached to the cross beam A and the rearwardly superimposed snow plough, attached in front to the pilot frame or cross-beam and resting upon or against the former end of the boiler and stay rods, with the frame and boiler of a locomotive.

**No. 10,473. Improvements on Car-Couplings.** (*Perfectionnements aux attelages des wagons.*)

Simon J. Keim, Catsaunquin, Pa., U. S., 22nd September, 1879, for 5 years

**Claim.**—1st. The combination, in a draw-head, of a series of bolts secured on shafts, one above the other, levers at the ends of said shafts and a link uniting said levers. 2nd. The combination, in a draw head, of a series of bolts secured on shafts, one above the other, with the inclined levers at the ends of said shafts and a weighted link uniting said levers. 3rd. The combination, in a draw-head, of two or more recesses, a series of bolts secured on shafts, in said recesses, one above the other, stops formed in said recesses to arrest the forward motion of the toes of the bolts, levers at the ends of the shafts and a weighted link connecting said levers.**No. 10,474. Improvements on Potato Diggers.** (*Perfectionnements aux arrache-patates.*)

Lewis A. Aspinwall, Albany, N. Y., U. S. 22nd September, 1879, for 5 years.

**Claim.**—1st. Constructing the separator with two or more bars C C, of a step by step or sectional form, starting from a head or disk, or ring e and proceeding in a helical, or mainly, or approximately helical direction. 2nd. Constructing the plough with jointed fingers q and suspending and adjusting it.**No. 10,475. Improvements in Sewing Machines.** (*Perfectionnements aux machines à coudre.*)

Charles Raymond, Guelph, Ont., 22nd September, 1879, for 5 years.

**Claim.**—1st. The wheel C, having a concave periphery and provided with the inflected groove C, in combination with the pivoted rocking shaft D. 2nd. The rocking shaft D, pivoted to the frame of machine below the wheel C and provided with the friction roller D, and upwardly extending shuttle arm D, 3rd. The combination, with the eccentric wheel G and buckle G, of the pivoted block H and feed bar F; 4th. The combination, with the eccentric wheel G and buckle G, provided with the slotted arm G, of the pivoted block, provided with the pin h, and feed bar F provided with the pin f; 5th. The blocks H H, in combination with the feed bar. 6th. The combination of the adjusting screw i with the block H, provided with the lug H and the feed bar F; 7th. The recessed shaft K, provided with the wheel M, spring K, and adjustable head K, in combination with the bracket L and driving wheel of machine. 8th. The shaft K, having an adjustable spring head to receive one end of bobbin, in combination with bracket L, provided with extended arm L, forming a stationary point of support for the other end of bobbin; 9th. The bobbin shaft K, provided with a screw thread, in combination with the worm wheel N and pinion N, 10th. The pinion N, in combination with the bar O provided with the toothed slot O; 11th. The pinion N and bar O, provided with the toothed slot O; and diagonal slot O, in combination with the spring P; 12th. The bar O provided with the flange O, in combination with the switch plate Q, 13th. The combination, with the bobbin shaft, of a self-acting reciprocating bar provided with a thread holder, said bar being operated from the bobbin shaft and arranged to guide the thread, to and fro, on the bobbin, during the operation of winding.**No. 10,476. Drilling, Turning and Threading Machine.** (*Machine à forer, tourner et fileter.*)

Nathaniel H. Shaw, Bedford, Que., 22nd September, 1879, for 5 years

**Claim.**—1st. The combination of the stationary gear e, having an angular f, with the revolving plate and the tool carrier i; 2nd. The combination of the bracket a having projections c d, revolving plate l, provided with a system of gears operated by gear teeth formed on the projection d, guides n q, rest p, centre c and bracket b. 3rd. The combination of the plate l guides n q, rest p, set screws m s t

## List of Patents issued up to 20th October, 1879, but not yet Officially published in the Patent Office Record.

No. 10,484. A. Lepage, Montreal, Que., "Valve and Water Tap." 20th September, 1879.

No. 10,483. J. Frazier, Centralia, Ill., U. S. A., "Fence Post." 26th September, 1879.

No. 10,484. G. W. Aldrich, Brooklyn, N. Y., U. S. A., "Oil Tank." 26th September, 1879.

No. 10,485. D. W. Bain, Geneva, N. Y., U. S. A., "Brace or Stay for Carriage Top." (Extension of Patent No. 2,939). 26th September, 1879.

No. 10,486. L. Crofoot, Pavilion, N. Y., U. S. A., "Bag Holder." (Extension of Patent No. 3,295). 26th September, 1879.

No. 10,487. W. B. True, Silver Islet, Ont., "Vanning Machine." (Extension of Patent No. 3,974). 27th September, 1879.

No. 10,488. J. Rhule, Jr., and W. H. Cameron, Pittsburgh, Penn., U. S. A., "Oil Can." 27th September, 1879.

No. 10,489. H. S. Serrae, St. John, N. B., "Gas Regulator." 27th September, 1879.

No. 10,490. H. Killam, New Haven, Conn., U. S. A., "Carriage Axle." 27th September, 1879.

No. 10,491. J. Morse, Clinton, Ont., "Thrasher and Grain Separator." 27th September, 1879.

No. 10,492. D. W. Norris, Elgin, Ill., U. S. A., "Can." (Re issue of Patent No. 8,580). 1st October, 1879.

No. 10,493. L. E. Morin, Montreal, Que., "Key for Water Tap." 2nd October, 1879.

No. 10,494. H. Barrett, London, England, "Bottle Stopper." 2nd October, 1879.

No. 10,495. R. Chappell, Alliston, Ont., "Galvanized Iron Monument." 2nd October, 1879.

No. 10,496. E. S. Higgins, Ottawa, Ont., "Fanning Mill." 2nd October, 1879.

No. 10,497. T. Doney, Chicago, Ill., U. S. A., "Process of Olography Painting." 2nd October, 1879.