

No. 3722. GEORGE P. DRAPER, Rochester, N. Y., U. S., 3rd August, 1874, for 10 years: "Improvements on Sewing Machine Tables." (Perfectionnements aux tables des machines à coudre.)

*Claim.*—1st. A supplementary or detachable cover having side flanges or rabbets for embracing the edges of the top of a sewing machine table, in combination with such top having a recess for the passage of a sewing machine and a closed case placed below such opening for receiving the sewing machine, as described; 2nd. In combination with the table top of a sewing machine having an opening therein, a double jointed hinge or hinges for connecting the bed plate or base of a sewing machine with such table-top, whereby the machine is adapted to be raised above or to be lowered below the said top as described; 3rd. In combination with a recessed sewing machine table-top, the bed plate or base of a sewing machine connected therewith by a hinge or joint, the members of which are moveable longitudinally with respect to their axes as described; 4th. In combination with the recessed table top and base or bed of a sewing machine, a double jointed reversible hinge or hinges, constructed to slide upon or with their axes for the purpose of moving the base or bed plate longitudinally with respect to the opening in the table-top as described; 5th. In combination with a longitudinal inmovable hinged or pivoted bed or base of a sewing machine and a recessed table-top, a plate or cover L for staying the bed or base and for filling the space in the top after the machine is placed in position for use as described; 6th. In combination with a recessed sewing machine table, having a hinged sewing machine connected therewith, a closed case or pocket, having an elevated bridge or extension tray K, as specified; 7th. The base or bed of a sewing machine having a swinging and a sliding motion on its axis, in combination with a recessed sewing machine table, and a case or pocket below such opening as described; 8th. The base or bed of a sewing machine provided with a projection or flange on its under surface for guiding said base or bed over or along the recess, and clamping the same therein for use as described; 9th. A supplementary or detachable sliding cover, in combination with the bed plate or base of a sewing machine, having a swinging and a longitudinal movement on its axis as described.

No. 3723. LA FAYETTE DRAPER, North Attleborough, Mass., U. S., 3rd August, 1874 for 5 years: "Improvement on Curry-combs." (Perfectionnement des étrilles.)

*Claim.*—A curry-comb having one or more of its rows of teeth inclined in one way nearly into parallelism with the base plate, and the others in the opposite direction in such manner with respect to the base plate, as specified.

No. 3724. CORNELIUS CALLAHAN and EDWIN E. SIBLEY, Chelsea, Mass., U. S., 3rd August, 1874, for 5 years: "Knitting Machine." (Machine à tricoter.)

*Claim.*—1st. A needle for knitting machines having an angular or bent portion 22, below the pivot of the latch, and, in that part of the needle which traverses the loop, whereby the needles may be brought into and out of line without stretching the loops; 2nd. In combination with a series of needles constructed as described, the needle cylinder C, having alternate straight and cut under grooves, for their reception; 3rd. The ring L, provided with pawls and drop rods for operating the shipper by which the driving pulley is thrown into and out of action; 4th. The ring L, connected with the shipper and provided with a series of pawls engaging with a rotating ratchet wheel connected with or forming a part of the needle cylinder in combination with the rods f, by which the pawls are operated on the breakage of a thread; 5th. In combination with the ring L, for actuating the shipper, the relieving stop Q, operating in the manner set forth; 6th. The drop rods f, supported by the threads and passing directly down through openings g, in combination with the pawls and ratchet to operate the stop mechanism; 7th. The drop rods f, with their hooks 30, in combination with the slotted thread guides a, b, all constructed as described; 8th. The pawls 31, provided with arms h, sliding through eyes at the lower ends of the drop-rods f; 9th. The independent pawls 31, each connected with a separate drop-rod, and pivoted on studs projecting from the ring L, in combination with the ratchet wheel M, operating as described; 10th. The adjustable drawing rolls T, U, attached to a frame revolving with the needle cylinder actuated thereby in combination with a support A, for the spreader placed above the rolls; 11th. A wheel foot, or cam B, adjusted on the work inside of the circular row of needles for the purpose of holding down the work while the needles are passing up through the loops.

No. 3725. ROBERT C. CUFF, Hamilton, Ont., 3rd August, 1874, for 5 years: "Machine for mincing meat." (Hache-viande.)

*Claim.*—The combination of the worm wheel and pinion for giving motion to the block, the arrangement of the knives and the support for the block for the purpose set forth.

No. 3726. ALEXANDER H. WAGNER, Windsor, Ont., 3rd August, 1874, for 5 years: "Improvements on pitchers." (Perfectionnements aux pots.)

*Claim.*—1st. The under or lower lip B, acting in combination with a vertical lip A, upon a vessel suitable for containing thick or cohesive liquids and channel D as described; 2nd. The lips A and B, acting in combination and with channel D between them when placed at any angle with each other or with the vessel or any parts thereof so that they effectuate the purpose set forth,

No. 3727. ARTHUR HARVEY, Toronto, Ont., 3rd August, 1874, for 5 years. "Mode of Applying for Insurances, Writing or Printing and issuing Policies therefor." (Système de demande d'assurance, de grossoyage ou impression et d'émission des polices.)

*Claim.*—1st. The system of preparing a form of application in duplicate; 2nd. The embodiment therein of all the terms of the insuring corporation or person; 3rd. The system of attaching one form of application to the Policy; 4th. The form of Policy which by the above system is much simplified and may consist of the mere acceptance by insurer of the proposed contract without other conditions or stipulations; 5th. The system or mode described of applying for and effecting insurance and issuing policies of insurance as set forth.

No. 3728. JAMES W. CUTHBERTSON, Brantford, Ont., 3rd August, 1874, for 5 years. "Window Screen." (Ecran de fenêtre.)

*Claim.*—The slotted outside moveable frame pieces B, provided with points c, fastened by screws a, to and in combination with the frame A, of a screen as specified.

No. 3729. WILLIAM J. BURLEIGH, Rome, N. Y., U. S., 3rd August 1874, for 5 years. "Manufacture of Starch Polish." (Préparation d'un cirage à linge.)

*Claim.*—The starch polish compound of white wax, spermaceti, castor oil, mutton tallow, borax, salt, gum arabic and isinglass, as specified.

No. 3730. THOMAS YOUNG, Montreal, Que., 3rd August, 1874, for 5 years. "A Cooking Stove." (Un poêle de cuisine.)

*Claim.*—1st. The combination of the semi-elevated oven G, and flues d, d', d'', d''', with the fire pot F, and damper i, as described; 2nd. The combination of the semi-elevated oven G and hot closet H, with the flues d, d', d'', d''', damper i, and fire pot F, all arranged as set forth.

No. 3731. JAMES E. CISCO, Conneautville, Pa., U. S., 3rd August, 1874, for 5 years. "Car-Coupling." (Attelage de wagon.)

*Claim.*—1st. The combination of the coiled spring b, rubber block c, and piston d, having a rod e, with the draw head A, and operating as set forth; 2nd. The notched bar J, in combination with the link L, having a projecting lip at each end as shown and described for the purpose specified; 3rd. The rubber cushion or facing P, applied to the mouth of the draw head, for the purpose set forth.

No. 3732. ABNER A. GRIFFING, Jersey City, N. J., U. S., 3rd August, 1874, for 5 years. "Steam radiator." (Radiateur de vapeur.)

*Claim.*—The U pipe d, e, f, with its legs terminating in a disc or plug c, which closes an opening in a steam chest for the purpose of providing each leg of the pipe with a direct and independent connection with the steam chest, as described.

No. 3733. WALDEMAR PHILMANY, Cleveland, Ohio, U. S., 3rd August, 1874, for 5 years: "Process of Treating Textile Fabrics to Prevent Mildew and Decay." (Procédés de traitement les matières ligneuses pour empêcher la rouille et la carie.)

*Claim.*—1st. The process of treating woody fibre in any of its forms, textile fabrics or their raw material with the sulphate of copper and chloride of barium or their equivalents in the manner set forth and for the purpose of arresting mildew and decay; 2nd. A new article of manufacture of textile fabrics having combined therewith sulphate of copper, chloride of barium and their combination so as to form a union of said salts with the fabric for the purpose set forth; 3rd. The combination of the sulphate of copper and chloride of barium or their equivalents with woody fibre in any of its forms for the purpose of arresting rot and decay as set forth.

No. 3734. STEPHENS C. HENDRICKSON, Brooklyn, N. Y., U. S., 3rd August, 1874, for 5 years: "Electric Railway Signals." (Signal électrique de railroute.)

*Claim.*—1st. The combination of a moveable signal disc of two colours with suitable controlling mechanism, actuated by