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INVENTIONS PATENTED.

No. 4314. CYRUS E. MOYER, Berlin, Ont., 26th January, 1875, for 5 years: "Felt Shoe Last." (Forme de soulier de feutre.)

Claim.—The peculiar form of lock of the pieces B, C, made by the O, G, curvatures, coinciding as shown.

No. 4315. JOSEPH K. FEICK, Berlin, Ont., 25th January, 1875, (Extension of Patent No. 2234) for 5 years: "Last for Felt Shoes." (Forme pour les souliers de feutre.)

Claim.—The combination of the parts A, B, and C, of a last in the manner specified, also in the catch D

No. 4316. JOSEPH K. FEICK, Berlin, Ont., 26th January, 1875, (Extension of Patent No. 2234) for 5 years: "Last for Felt Shoes." (Forme pour les souliers de feutre.)

No. 4317. HENRY SAFFE, New York, U. S., 26th January, 1875, for 5 years: "Improvements on Faucets." (Perfectionnements aux robinets.)

Claim.—1st. The faucet cylinder *d* with the seat *a* between the inlet pipe *b* and pipe *c*, and made with the double inclines *o o*, within the cylinder and adjacent to the valve seat, in combination with the valve *v*, and the fingers *r* that project at the sides of the valve, the stem *f*, caps *e*, and spring *k*, the parts being arranged and operating as set forth; 2nd. The cylindrical wedge shaped tool *s*, with the file surface adapted to smooth the inclines in the barrel of the faucet, as set forth.

No. 4318. WILLIAM CRICH, Tuckersmith, Ont., 26th January, 1875, for 5 years: "Spring Bed." (Lit à ressort.)

Claim.—1st. The double cone-shaped spiral springs *a, a*, connected with a cross straight piece *f*, constructed as specified; 2nd. The combination of these springs with the slats *c, b*, and the cross bar *d*, arranged as described.

No. 4319. LOUIS DION and ARTHUR DION, St. Thomas, Que., 26th January, 1875, for 5 years: "Rail way Waggon Coupler." (Attelage de wago. de railroute.)

Résumé.—1o. L'arrangement et la combinaison des chevilles B, et des têtes C des mailles D, et de l'essieu E, des mailles du support L, de la coulisse S, de la poignée I, de l'essieu qui se trouve en dehors du wagon; 2o. La combinaison et l'arrangement de l'essieu E, et du bras J, servant de levier de la chaîne H, attachée au levier, et de la poignée I; 3o. La combinaison et l'arrangement de l'œil G, pris sur la maille D, tel que décrit.

Claim.—1st. The combination and arrangement of the pins B, and the heads C, the links D, the axle E, the supporting links L, the slide S, the handle I of the axle placed outside of the wagon; 2d. The combination and arrangement of the axle E, and of the arm J, acting as lever for the chain H, attached to the lever and of the handle I; 3rd. The combination and arrangement of the eye G, attached to the link D, as described

No. 4320. JAMES F. WEBSTER, Hamilton, Ont., 26th January, 1875, for 5 years: "Leaf-Supporter for Sewing Machines." (Support de pliant de machine à coudre.)

Claim.—The jointed supporter E, arranged and constructed as shown, fastened to the leg B by pin or screw F, or to the drawers as shown in Figs. 2, and to the under side of the leaf C, as specified.

No. 4321. RICHARD SYLVESTER, Enniskillen, Ont., 26th January, 1875, for 5 years: "Spring Hoe." (Houe à ressort.)

Claim.—The hoe B, with upper arm *b*, in combination with the drag bar A, spring E, pivoted lever D, and links C, arranged as specified.

No. 4322. EDWARD C. SCARLETT, Adolphustown, Ont., 26th January, 1875, for 5 years: "Car Coupling." (Attelage de wagons.)

Claim.—1st. The combination of the coupling pin A, with the hooks C, C, the coupling box with the jaws D, D, as set forth; 2nd. The combination with the hooks C, C, the jaws D, D, the slide E, and the lever F as set forth; the coupling box B, may be made wider to suit the cars when there is much difference in the height of them.

No. 4323 SYLVESTER J. WRIGHT, Madrid, and ALBERT H. WOOD, Ogdensburgh, N. Y., U. S., 26th January, 1875, for 5 years: "Improvements on Watchmen's Patrol Registers." (Perfectionnements aux horloges de quart.)

Claim.—1st. The revolving dial plate D, having a scale or graduated time divisions on the back corresponding with the time divisions on the face, and receiving marks thereon communicated by marking points *r* or pencils I, operated by bell pull mechanism from one or more stations B, in combination with clock mechanism for rotating the dial as set forth; 2nd. The markers I, operated by bell-pull mechanism from one or more stations B, in combination with the revolving clock dial D, as set forth; 3rd. The bell-pull mechanism, constructed as shown, in combination with markers I, and a revolving clock dial D, all operating as set forth

No. 4324. RICHARD H. ATWELL, Baltimore, Md., U. S., 29th January, 1875, for 5 years: "Motor for Steam or Water." (Moteur à vapeur ou hydraulique.)

Claim.—1st. The arrangement and combination of a piston chamber, with a vibrating piston and shaft, a valve gear, and the necessary connections between them; also a lever or other attachment to the piston shaft deliver power and motion to construct a motor, which may use any suitable fluid under pressure; 2nd. Operating a valve under balanced pressure by devices within the piston chamber and steam space, and without any external connection or stuffing box; 3rd. The angular levers *b, b*, figure 1, and the propeller rods C, C, or their equivalent to communicate motion from the piston to the valve by the valve yoke *d, d*, figs. 1 and 3; 4th. Re