

No. 26,024. Corset. (Corset.)

Margaret A. Corliss, St. Thomas, Ont., 17th February, 1887; 5 years.

Claim.—1st. The attachment of the shoulder brace, as shown, that is the brace extending from lower part to shoulder. 2nd. The lace in front extending below the steels.

No. 26,025. Indicator for Weighing Apparatus. (Indicateur de Balance-Bascule.)

Henry Fairbanks, St. Johnsbury, Vt., U. S., 17th February, 1887; 5 years.

Claim.—1st. The combination of a disk adapted to be rotated under the force or weight applied to the apparatus, an inclosing case, its front having an opening through it to expose the graduations on the disk, a passage adapted to receive a coin of certain size, a cover for said opening, and an obstruction in said passage in connection with said cover, substantially as described, and whereby the coin so introduced will strike the said obstruction, and by its weight remove the cover from said opening and expose the graduations on the disk. 2nd. The herein described indicator for weighing apparatus, consisting in the combination of a graduated disk, adapted to be rotated under the force or weight applied to the apparatus, an inclosing case, its front having an opening through it to expose the graduations on the disk, a lever, one arm of which extends between said opening and disk to serve as a cover for said opening, a passage opening upon the other arm of said lever adapted to receive a coin of certain size, the said other arm of the lever extending into said coin passage, substantially as described, and whereby said coin so introduced will strike the end of the arm of said lever in the said passage, and by its weight cause the other arm to turn from the disk opening and expose the graduations on the disk. 3rd. The combination of the graduated disk C, a revolving shaft to which said disk is fixed, said shaft carrying a toothed pinion H, a corresponding toothed rack G working into said pinion H, and in connection with the weighing apparatus, a plate in front of said disk, having an opening J adapted to expose the graduations of the disk, and a lever, one arm L of which extends between said disk and plate, so as to cover said opening, the other arm extending to the opposite side of the fulcrum, and the inclosing case constructed with a coin passage through which a coin may be introduced, the said arm N of the lever extending into said coin passage, and in the path of a coin introduced therein a lever P hung in the side of the coin passage opposite the said arm N and its inner surface of segment shape, of which the fulcrum of the said lever L N is the centre, and mechanism, substantially as described, to turn said lever P from said lever N, substantially as described. 4th. The combination of the graduated disk C, arranged upon a shaft D, carrying a toothed pinion H, a plate in front of said disk, constructed with an opening J adapted to expose the graduations on said disk, a lever, one arm of which extends between said plate and disk, and so as to serve as a cover for said opening, but adapted to be turned away from said opening to expose said disk, a coin passage upon the side of the fulcrum opposite said opening to the disk, the other arm of said lever extending into said passage and in the path of a coin introduced, a lever E terminating at its free end in a toothed segment to work into the said pinion H, and the said lever E in connection with the weighing apparatus, a lever P hung in the side of the coin passage opposite the end of the arm M therein, a dog N hung upon said lever E and adapted to engage said lever P in the returning of the said lever E, substantially as and for the purpose described.

No. 26,026. Telegraph Key.

(Touche de Télégraphie.)

David R. Borland, Montreal, Que., 17th February, 1887; 5 years.

Claim.—1st. The lever of attachment A, and roller A^a annexed thereto, and brass uprights C, used substantially as and for the purposes hereinbefore set forth. 2nd. The tension spring E, and tension screw F, used substantially as and for the purpose hereinbefore set forth. 3rd. The rubber finger piece B, and fastener G, used substantially as and for the purposes hereinbefore set forth.

No. 26,027. Trouser Stretcher.

(Forme de Pantalon.)

Robert Crommer, Philadelphia, Pa., U. S., 17th February, 1887; 5 years.

Claim.—1st. An improved trouser stretcher, which consists of a rigid flap, a movable flap, and a bar connecting said flaps. 2nd. In an improved trouser stretcher, in combination, a fixed flap, a movable flap, a bar connecting said flaps, a hollow projection on the movable flap, into which said connecting bar can be moved. 3rd. In an improved trouser stretcher, in combination, a fixed flap, a movable flap, a bar connecting said flaps, a hollow projection on the movable flap, into which said connecting bar can be moved, a ratchet upon said connecting bar at the end which enters the hollow projection, and a pawl upon said projection on the movable flap. 4th. In an improved trouser stretcher, in combination, a fixed flap, a movable flap, a bar connecting said flaps, a hollow projection on the movable flap, into which said connecting bar can be moved, and a second stretcher constructed in a similar manner, and the two connected together by a chain or other flexible means.

No. 26,028. Oscillating hook for Sewing Machines. (Crochet Oscillant pour Machines à Coudre.)

Jasper Vannett and George S. Yingling, Tiffin, Ohio, U. S., 17th February, 1887; 5 years.

Claim.—1st. Combined with the actuating shaft, a loop-hook and bobbin-holder mounted eccentrically thereon, and having a rotary adjustment on the point of connection, substantially as specified. 2nd. Combined with the actuating shaft, a loop-hook having its axis eccentric to the axis of the said shaft, and having a rotary adjust-

ment on said eccentric axis, substantially as specified. 3rd. A cylindrical frame, connected integrally at one edge and at a single point to an edge of a disc, and having an exterior projecting hook and a mouth leading to its interior, combined with a bobbin loosely contained in said case, substantially as specified. 4th. Combined with the actuating shaft, a disc fixed to said shaft eccentric to its axis, a cylindrical frame attached to one edge thereof, and having an exterior loop-hook and a mouth leading to the interior, and a door with a spring-contained pivot or hinge on one side said case, the whole arranged substantially as and for the purpose specified.

No. 26,029. Velocimeter. (Vélocimètre.)

Joseph Boyer, St. Louis, Mo., U. S., 17th February, 1887; 15 years.

Claim.—1st. In a velocimeter, the combination of a pump, a chamber and piston, and a liquid which circulates from the pump-well through the piston chamber, and back into the pump-well for translating the velocity into pressure, substantially as and for the purposes specified. 2nd. In a velocimeter, the combination, with a pump, of a chamber and its piston, and a gradually-increasing escape from the pressure side of the piston, substantially as and for the purposes specified. 3rd. In a velocimeter, having a chamber and piston and a pump, the combination, with the shaft which drives the pump of shifting gearing, substantially as and for the purpose specified. 4th. In a velocimeter, the combination, with the paper cylinder, of a slip-pool and a positive driven spool having a friction sleeve on its shaft to enable the driven spool to accommodate its speed to that of the paper cylinder, substantially as and for the purposes specified. 5th. In a velocimeter, the combination of a rotary pump and a chamber and piston, the chamber and pump-well having ingress and egress passages, which connect them, substantially as and for the purposes specified. 6th. In a velocimeter, the combination, with the paper drum, of spring-acting gripping rolls, and link and lever mechanism for retracting the rollers simultaneously, substantially as and for the purposes specified. 7th. In a velocimeter, the combination of a paper-drum gripping rolls and stylus, with intermediate and connecting link, and lever mechanism for retracting the gripping-rolls and stylus, substantially as and for the purposes specified. 8th. In a velocimeter, the combination of a pump, a chamber connected with the pump by ingress and egress ports, and a piston having a suitable piston rod with a tension spring, substantially as and for the purposes specified.

No. 26,030. Electro-Motor and Dynamo Machine. (Electro-Moteur et Machine Dynamo-Electrique.)

Morrits Immisch, London, Eng., 17th February, 1887; 5 years.

Claim.—1st. In dynamos and electro-motors, the employment of a double commutator, the segments of which have an angular displacement in relation to each other, such that the line of division between two segments in one series is opposite the middle of a segment in the other series, the ends of the armature coils being connected to consecutive segments in the same series for the object of enabling one-half of the armature to be placed either in parallel or in series with the other half, substantially as and for the purposes described and shown in Figs. 1, 2 and 3 of the accompanying drawings. 2nd. In dynamos and electro-motors, the employment of a double commutator, the segments of which have an angular displacement in relation to each other, such that the line of division between two segments in one series is opposite the middle of a segment on the other series, the ends of the armature coils being connected to consecutive segments belonging to different series for the object of short circuiting upon itself a portion of the armature wire, which surrounds that part of the core where the poles are formed by the active part of the wire, substantially as and for the purposes described and illustrated in Figs. 4 and 5 of the accompanying drawings.

No. 26,031. Automatic Cut-off for Gas Burners. (Déclat Automatique pour Bees à Gaz.)

Alexander Bryce, Toronto, Ont., 17th February, 1887; 5 years.

Claim.—A gas burner, having a weighted lever connected to its cock, and an arm E designed to support the said lever when the cock is open, in combination with a pivoted bar F, having a projection d formed on one end, and a rod G connected to it and held in proximity to the gas burner, substantially as and for the purpose specified.

No. 26,032. Suspender. (Bretelles.)

William L. Doran, Niagara Falls, Ont., 17th February, 1887; 5 years.

Claim.—1st. The combination, Fig. 1 of the shoulder straps A, A. the button straps B, B, and casting C, C, substantially as and for the purpose hereinbefore set forth. 2nd. The use of the metal rivets, staples or fasteners at the points A, A, A, and B, B, Fig. 3, and C, C, and D, D, Fig. 6, substantially as and for the purpose hereinbefore set forth.

No. 26,033. Compound for Making Drinks.

(Composition pour Breuvage.)

Richard C. Scott, Liverpool, Eng., 17th February, 1887; 5 years.

Claim.—1st. As a new article of manufacture, an effervescent drink powder or compound, formed of a pleasant, non-poisonous vegetable acid, and an alkaline bi-carbonate, such as are usually used in effervescent drink powders, and a non-poisonous oxygenating compound, such as described. 2nd. As a new article of manufacture, an effervescent drink powder or compound, formed of the usual materials, but having mixed up with it and cloaked by the white powder, a quantity of soluble dry colouring matter. 3rd. The improved process of making coloured effervescent drinks, which consists in adding to the dry effervescent powders a dry powdered, soluble col-