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INVENTIONS PATENTED.

NOTE—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 29,038. Tip for Mucilage and other similar Receptacles. (*Bouchon de réceptif à colle et autre.*)

Walter H. Underwood, Denver, Col., and Norton P. Otis, Yonkers, N. Y., U. S., 1st May, 1888; 5 years.

Claim.—1st. A flexible elastic tip or cap for mucilage and other similar receptacles, having a spreader and a slit or slits, which is or are opened by the spreader, when pressure is applied against it, as in the act of spreading, and is or are closed by the elasticity of the material in resuming its normal shape, substantially as described. 2nd. A flexible elastic tip for liquid receptacles, having a part adapted to operate as a spreader, and having a slit or slits transverse to said spreader, substantially as described. 3rd. A flexible elastic spreading tip, having a closed or solid end and provided on its side or sides with one or more transverse slits, substantially as described. 4th. A flexible elastic spreading tip for liquid receptacles, provided with a slit, and having the material reduced in thickness at, and adjacent to, said slit, to aid in securing the easy opening thereof, substantially as described. 4th. A flexible elastic spreading tip for liquid receptacles, having portions of its walls or sides strengthened, substantially as described. 5th. A flexible elastic cap or tip, adapted to be applied to the neck or opening of a liquid receptacle, said tip having solid walls and a flattened spreader, substantially as described. 6th. A flexible elastic cap or tip, adapted to be applied to the neck or opening of a liquid receptacle, said tip having solid walls, which are adapted to be slit to form a discharge opening or openings, and to form a spreader adjacent to the point of the slit or slits, substantially as described. 7th. A flexible elastic cap or tip, adapted to be applied to the neck or opening of a liquid receptacle, said tip having solid walls, which are adapted to be slit, an index mark or marks to indicate the position of the slit or slits, and a flattened spreader, substantially as described.

No. 29,039. Collar Button and Tie Fastener.

(*Bouton de col et agrafe-cravatte.*)

George R. Helden, St. Thomas, Ont., 1st May, 1888; 5 years.

Claim.—The combination of the tape A and the button B, and the manner of adjusting the same, substantially as and for the purpose hereinbefore set forth.

No. 29,040. Fence. (*Clôture.*)

Melbourne Walker, Florence, Ont., 1st May, 1888; 5 years.

Claim.—1st. The coupling brace F passing under one of the rails R, in combination with the inclined brace A, A, substantially as shown and described and for the purpose specified. 2nd. The anchor brace D and anchor E, in combination with the inclined braces A, A, substantially as shown and described and for the purpose specified. 3rd. The two brace C, longitudinal rail R and top rail W, in combination with the inclined braces A, A, substantially as shown and described and for the purpose set forth. 4th. The combination of the coupling brace F, anchor brace D, anchor E and tie brace C, with the inclined braces A, A, top rail W, longitudinal brace L, uprights U, U, one or more bands B, B, longitudinal rails R, R and support S, substantially as shown and described.

No. 29,041. Measuring Tank.

(*Réservoir-compteur.*)

Jacob H. Linck, Williamsport, Penn., U. S., 1st May, 1888; 5 years.

Claim.—1st. The combination of the cover, having pivoted to it the pump handle, having connected to it both the cylinder and the piston rod, and the pump, inside of the top of which the lower end of the piston fits, substantially as set forth. 2nd. The combination of the pump, the valve loosely connected to its lower end, and valve rod

provided with a tension sufficient to hold it in place as required, substantially as specified. 3rd. A measuring tank, in which are combined two or more measures, which are placed one within the other, and which are connected to a filling tube by means of pipe and cocks, the pump for filling the measures, a valve for closing the lower end of the pump, and a tension rod connected to the valve and operated from outside of tank, and a piston rod having a cylinder connected thereto, substantially as specified.

No. 29,042. Electro-Mechanical Gong.

(*Gongue électro-mécanique.*)

The Electric Gas Lighting Company (assignee of Jacob P. Tirroll), Boston, Mass., U. S., 1st May, 1888; 5 years.

Claim.—1st. In an electro-mechanical gong, the combination of the star-throw D with lever H, provided with pin 12, hammer C, dog F, standard 11, plate E, movable pivoted at 3, and having pins 1 and 2, substantially as and for the purposes set forth. 2nd. In combination with a clock mechanism and electro-magnet, a locking and unlocking device, consisting of a lever or throw-wheel D, lever H, having pin 12, hammer G, dog F, standard 11, movable plate E, with pins 1 and 2, and a latching device consisting of latch lever L, with pins 6 and 7 pivoted at 5, and having latch 1 pivoted at 4, and an armature provided with a lip or extension K, having a pin 8, all substantially as and for the purposes described.

No. 29,043. Apparatus for the Automatic Administration of Electricity for Medical and other Purposes.

(*Appareil pour l'application automatique de l'électricité pour des fins médicales et autres.*)

Mathew C. Greenhill, Tulse Hill, Eng., 1st May, 1888; 5 years.

Claim.—1st. The construction and use of apparatus for automatically administering a current of electricity on the release of a balanced locking catch, by means of the weight of a coin of predetermined size and value, substantially as set forth. 2nd. The combination, with an electric coil, battery and contact breaker, of a rotating handle or knob G, spindle H, cranked lever L, spring K, arm or cam L, balanced catch c, lever e, flap or shield d, graduated quadrant P and index pointer Q, substantially as set forth and shown. 3rd. In the device referred to in the first claim, the combination therewith of a pivoted handle G (Fig. 4), cranked at the lower end and comprising slot i, arm or cam j and spring k, substantially as set forth and shown. 4th. In an apparatus for the automatic administration of electricity, the combination, with an electrical arrangement, of a sliding graduated rod R, handle G, spring k, balanced catch c and lever e, substantially as set forth and shown.

No. 29,044. Load Binding Device.

(*Embrelage de fardeau.*)

Samuel C. Webster, Toronto, Ont., 1st May, 1888; 5 years.

Claim.—1st. A load binder, consisting of a main casting or plate, a hand lever pivoted thereto, a yoke lever pivoted to said hand lever and having a catch for one end of a chain, and means for fastening the other end of the chain to said main casting or plate, substantially as and for the purpose set forth. 2nd. In a load binding device, the combination, with the casting A having hook D, or its equivalent, and bearing a, of the hand lever B, pivot pin at, yoke lever C, pivoted to said hand lever and having slot C, and a suitable chain or its equivalent, substantially as set forth.

No. 29,045. Machine for Drying Wool.

(*Machine à sécher la laine.*)

William Nelson and Eugene Bowen, Tomoana, New Zealand, 1st May, 1888; 5 years.

Claim.—The general combination and arrangement of parts constituting the improved wool drying machine, hereinbefore described and illustrated in the accompanying drawings, that is to say, a drum constructed with open ends and with bars and shelves for supporting and raising the wool, the said drum revolving in a casing furnished with a longitudinal air-trunk and with doors, an air-pipe being ap-