

tion of the upper half or dome of the burner V hinged at I, with the globe rest T, the guards D, F, the set screw and clip S, S and the spring X, substantially as described. 8th. In a tubular lantern, the spring X for retaining the globe in position, as set forth. 9th. In a tubular lantern, the spring W attached to the top of the lantern, and operating upon the cross bar QI, of the wire guards D F at R for retaining the globe in position, as set forth and shown. 10th. In a tubular lantern, the removable guards D, F, as set forth and shown, acting in suitable grooves made either around the top or bottom of the globe. 11th. In a tubular lantern, the arrangement of metal O with part thereof cut away at Q, and the movable part P, substantially as and for the purpose specified. 12th. In a tubular lantern, the cranking or shaping of the handle S, S at R, R, substantially as and for the purposes specified. 13th. In tubular lanterns, the general arrangement and construction of the various parts herein described, consisting of the groove or flange A in the globe B, the set screw and clip S, S in the globe rest T, the guards D, F, the spring wires C, C, the cross bar QI, the hinge placed at J or L, the spring X, the clip spring W, the metal Q and O and the crank R, substantially as and for the purposes specified.

No. 31,489. Gate. (*Barrière.*)

Arthur J. Mercer, Islington, Ont., 4th June, 1889; 5 years.

Claim.—1st. The mode in which the gate is suspended with posts J, cross pieces H, braces I, I, I, pieces G, rods and chains M, M, M, arms K, K with slots L, L, braces P, P, combination of rope and weight N, N with upper part of gate. 2nd. The combination of rope V and pulley X with lever Q, substantially as and for the purpose hereinbefore set forth. 3rd. The cross pieces U, U, substantially as and for the purpose hereinbefore set forth.

31,490. Mortise Lock. (*Serrure cachée.*)

Osborne R. Cooke, Salem, Ohio, U.S., 4th June, 1889; 5 years.

Claim.—1st. The combination, with knob, spindle, hub and bolt, substantially as indicated, of links operatively connecting such bolt and hub, whereby the bolt is withdrawn by turning the hub in either direction, substantially as set forth. 2nd. The combination, with cylindrical casing in halves and securing screw, of vibrating tumblers fulcrumed on such securing screw, such tumblers operating in a central slot of the bolt, whereby the bolt is locked or released by elevating or depressing the tumblers, substantially as set forth. 3rd. In combination, slotted bolt vibrating tumblers operating therein, the bolt having an incline for engaging the end of the tumblers in the elevated position of the latter, substantially as set forth. 4th. In combination, bolt having inclined wall, vibrating tumblers for engaging such inclined wall, whereby the elevation of the tumblers locks the bolt and insures a full outward throw of the bolt, substantially as indicated, sliding yoke for blocking the tumblers in their elevated position, the tumblers and yoke having interlocking shoulders for holding the parts in position locking the bolt, substantially as set forth.

No. 31,491. Device for Moistening Tobacco.

(*Appareil pour humecter le tabac.*)

John McPherson, Wellsville, N.Y., U.S., 4th June, 1889; 5 years.

Claim.—The combination of a receptacle for tobacco and other material, with a vessel made of suitable material, of such a shape that one of its sides is adapted to impinge against the inner side of the tobacco-receptacle, and having formed in that side apertures, ductile straps having their upper and lower ends bent to form hooks, the lower ones of which engage the apertures in the side of the vessel, and the other ones engaging the upper edge of the tobacco-receptacle, and hooks struck up from the body of the straps and extending downward toward the hooks at the lower ends thereof, substantially as set forth.

No. 31,492. Washing Machine.

(*Machine à blanchir.*)

Henry O. Kelsey and David H. Gibson, Salamanca, N.Y., U.S., 4th June, 1889; 5 years.

Claim.—1st. A box supported on a semicircular frame B or rockers, in combination with the beater F supported on the guide-rods G, substantially as and for the purpose specified. 2nd. A box supported on a semicircular frame B or rockers, and having perforated false ends H and slats I, in combination with the beater F supported on the guide-rods G, substantially as and for the purpose specified. 3rd. A box supported on a semicircular frame B or rockers, and having perforated false ends H, and slats I from which vertical fingers J project, in combination with the beater F supported on the guide-rods G, substantially as and for the purpose specified.

No. 31,493. Sled Brake. (*Frein de traîneau*)

Jacob R. Hoyt, Forest Home, Iowa, U.S., 4th June, 1889; 5 years.

Claim.—The compound lever sled brake comprising a rockshaft a having lateral bends b, the knuckles f, the detachable, adjustable and self sharpening brake bars d, the arm h, the lever m and connecting rod n, constructed and combined with the bench, the runners and the box of a sled, substantially as shown and described to operate in the manner set forth.

No. 31,494. Finish for Plastered Walls.

(*Badigeon pour les murs crépis.*)

Thomas Jones, Ravenswood, Ill., U.S., 4th June, 1889; 5 years.

Claim.—A finish for walls consisting of lime, raw gypsum, over-calced gypsum, and alum or its equivalents, in substantially the proportions stated.

No. 31. 495. Medical Compound.

(*Composition médicale.*)

Augusta M. McLeod, Goderich, Ont., 4th June, 1889; 5 years.

Claim.—In a medical compound, the combination of saltpeter, carbonate of ammonia, acetic acid, water, tincture of senega, tincture of ginger, tincture of camphor, compound tincture of lemon, tincture of Peruvian bark, compound tincture of rhubarb, glycerine, syrup of sarsaparilla, syrup of Tolu Tolu, syrup of squills, clarified honey, sherry wine and muriate of ammonia, as and for the purposes set forth.

No. 31,496. Clasp. (*Agrafe.*)

Mayer Ruben, Chicago, Ill., U.S., 4th June, 1889; 5 years.

Claim.—1st. The clasp or gripper, comprising two jaws pivoted together, and each jaw provided with teeth, and one of said jaws having a turn-button i, which acts on the other and keeps them closed. 2nd. The clasp or gripper, consisting of two jaws, one having two side slots j, and a tang l adjoining each slot, and provided with a turn-button, and the other having an offset m, and two right angles and two slots n in the offset, and a tongue o between the said two offset slots, a portion of each end of the said offset on one jaw occupying one of said side slots on the other jaw, as shown and described.

No. 31,497. Igniting and Extinguishing Apparatus. (*Appareil pour allumer et éteindre.*)

Henry A. Chapin, New York, N.Y., U.S., 4th June, 1889; 5 years.

Claim.—1st. The combination, with a lamp or gas burner, of a tube, and a scratcher arranged within said tube, substantially as and for the purpose specified. 2nd. The combination, with a lamp or gas burner, of a tube, a scratcher arranged within said tube, and a spring arranged within said tube, substantially as specified. 3rd. The combination, with a lamp or gas burner, of a tube, a scratcher arranged inside the tube, and a spring made integral with said tube, substantially as specified. 4th. The combination, with a lamp or gas burner, of a tube, a scratcher arranged at an incline to said tube, and a spring within said tube, substantially as specified. 5th. The combination, with a lamp or gas burner, of a tube, a scratcher arranged at an incline to said tube and within the same, and a spring within the tube rearwards of the scratcher, substantially as specified. 6th. The combination, with a lamp or gas burner, of a tube having two springs made integral therewith, and a scratcher on one of said springs, substantially as specified. 7th. The combination, with a lamp or gas burner, of a tube, a throat formed at the inner end of said tube, and a scratcher arranged within said throat, substantially as specified. 8th. The combination, with a lamp or gas burner, of a tube extending out to a point where it will be accessible to blow through for extinguishing the flame, substantially as specified.

No. 31,498. Corset. (*Corset.*)

Catherine A. Williamson, St. Louis, Mo., U. S., 6th June, 1889; 5 years.

Claim.—1st. The detachable shoulder straps 7 removably attached to the corset by a lacing 8, as set forth. 2nd. In a corset having detachable shoulder straps 7, the top connecting strip 6, having a downwardly cut upper edge, as set forth. 3rd. The eyelets 11 near the middle and ends of the stays 2, for retaining the bones or steels to the fabric of the corset, as set forth.

No. 31,499. Blueing Package. (*Boîte à bleu.*)

Theodore F. Conklin, Chicago, Ill., U.S., 6th June, 1889; 5 years.

Claim.—1st. A blueing package for laundry purposes, comprising multiple layers or thicknesses of absorbent material to retain the blueing, and held within a receptacle having a water-tight portion to catch the drip, substantially as described. 2nd. A blueing package for laundry purposes, consisting of multiple layers or thicknesses of absorbent material to retain the blueing, and held within a suitable water-tight receptacle to catch the drip, said receptacle being considerably larger in size than the layers or thicknesses of absorbent material retained therein to permit the access of water around the edges or surface of such layers, substantially as described. 3rd. A blueing package for laundry purposes, consisting of multiple layers or thicknesses of lamp-wicking or like pervious material to retain the blueing, and held within a receptacle having a water-tight portion to catch the drip, substantially as described.

No 31,500. Means for Locking Nuts or Bolts.

(*Moyens d'assujétir les écrous et boulons.*)

Frederick Purbrick, East St. Kilda, and Robert H. Stone, North Brighton, Victoria, 6th June, 1889; 5 years.

Claim.—In a nut-lock, as described, a nut having ratchet-teeth A, and a washer provided with a flat B, dog or pawl D and catch D₁, for the purposes set forth.

No. 31,501. Machine for Separating, Trimming and Grooving Stereotype Plates. (*Machine à séparer, ébarber et canneler les plaques stéréotypes.*)

John R. Cummings, Chicago, Ill., U.S., 6th June, 1889; 5 years.

Claim.—1st. The combination, with a combined stereotype separating, trimming and grooving machine, of the separating and trimming saw, and the grooving saw arranged so that their cutting planes are parallel to each other, as set forth. 2nd. The combination, with a combined stereotype separating, trimming, and grooving machine, of the separating and trimming saw, and the grooving saw secured to,