Claim—1st. The combination, in a shutter bolt, of a catch A, formed of two parts A_1, A_2, screwed to each other, said part A_2 having a conical head C, and a sliding latch plate B_1, fitted to the window frame, the wall or shutter, and adapted to engage the catch A behind its head C, substantially as shown and described. 2nd. As a new and improved article of manufacture, a catch for a shutter bolt and with a tubular screw-threaded part A_1, and a screw-threaded and headed part A_2 adapted to be adjusted on the part A_1 to vary the length of the catch, substantially as shown and described. 3rd. As an improved article of manufacture, a catch for a shutter bolt made with a tubular screw, threaded part A_1 having a head or collar a_1, and a screw-threaded and conically-headed part A_2, adapted to be adjusted on the part A_1 to vary the length of the catch, and said part A_2 having the collar D, substantially as herein set forth. 4th. The combination, with the parts A_1, A_2, of the shutter bolt screwed to each other, and constructed with the collar or head a_1, conical head C and collar D, as specified, of the set screw d, substantially as herein set forth. 5th. The combination, in a shutter fastening and with the bar F, laid over the window shutters, of an extensible catch A formed of two parts A_1, A_2, screwed to each other, said part A_1, having a head or collar a_1 and the part A_2 having a conical head C, and a sliding latch plate B_2 fitted to the window frame or wall and adapted to engage the catch bar behind its head C, substantially as herein set forth.

No. 21,596. Adjustable Clamping Device.

(Appareil d'Assemblage Mobile.)

George W. Zeigler, Washington, D.C., U.S., 6th May, 1885; 5 years

Claim.—1st. As a new article of manufacture, an adjustable clamp or lever, provided with a curved projection to engage the under side of a table or shelf, and a straight arm projecting over the top of the article to be clamped, formed at its extremity with lateral pins, and intermediate notches for engaging a clamping wedge, substantially as described. 2nd. The pivoted clamp arm or lever C, having in its side the curved slot c_2, and formed with curved projection C_1, lateral pins c_5 and intermediate notches c_4, in combination with a plate having a wedge flange, substantially as described. 3rd. The pivoted adjustable arm or lever C, having laterally projecting pins c_5, and notches c_4, knob c_6 extending on each side thereof, curved projection C_1 and pins c_5, in combination with pivoted plate D having wedge flange d_1, substantially as described. 5th. The combination, with board B, of arm C and plate D, pivoted to said board at c and d respectively, the arm C having slot c_2, projection C_1 and pins c_5, and the plate D being provided with wedge flanged d_1 to engage pins c_5, as set forth.

No. 21,597. Apparatus for Administering Gas for the Production of Anæsthesia. (*Appareil pour Administrer le Gaz pour produire l'Anesthésie.*)

Uriel K. Mayo, Boston, Mass., U.S., 6th May, 1885; 5 years.

Claim.—The gas inhalation apparatus, substantially as described, consisting of the condenser gasometer, the flexile eduction pipes and their stop cocks, the sealing battle and its fluid charge, and internal and inhalation pipes, all being arranged to operate in manner and for the purpose essentially as set forth.

No. 21,598. Wick-Adjusting Mechanism for Burners. (*Appareil pour Ajuster les Méches des Becs de Lampes.*)

Charles P. Goodspeed, Brooklyn, N.Y., U.S., 6th May, 1885; 5 years.

Claim.—The combination, with a wick-tube, of a pair of rollers arranged at opposite sides, and having spiral grooves extending in the same direction, substantially as specified.

No. 21,599. Head Protector. (*Enveloppe de Tête.*)

Oliver Schlemmer, Cincinnati, Ohio, U.S., 6th May, 1885; 5 years.

Claim.—1st. A garment adjusted to the head, ear and neck, which completely covers the ears and back of the neck, substantially as and or the purposes specified. 2nd. The garment, consisting of the parts A. A and B, and having projecting corners b, b, substantially as and for the purpose specified. 3rd. The garment, consisting of the parts A, A and B, and elastic piece, substantially as and for the purposes specified. 4th. The garment, consisting of the parts A, A and B, and rubber D, substantially as and for the purposes specified. 5th. The garment, consisting of the parts A, A and B, and band C, substantially as and for the purposes specified. 5th. The garment, consisting of the parts A, A and B, and elastic band C, substantially as and for the purposes specified. 7th. The combination of the parts A, A and B, corners b, b, and elastic pieces, substantially as and for the purposes specified. 8th. The garment made in one single piece, consisting of the parts A, A, B, having projecting corners a, a and b, b, and having the shirring cord D and the connecting cord C, substantially as and for the purposes specified.

No. 21,600. Cider Press. (*Pressoir à Cidre.*)

Jacob Gorgas and George E. Mohler, Ephrata, Penn., U.S., 6th May, 1885; 5 years.

Claim.—1st. As an improvement in continuous juice-extracting presses, as described, the fixed imperforate roll D, adjustable imperforate tension-roll E, and movably adjustable perforate roll F, with the porous fabric endless apron G, in combination with the fixed imperforate roll H, and movable adjustable imperforate roller H^1, the non-porous apron L, gear H 5, pinion B_2 and crank B_3, substantially as shown and for the purpose set forth. 2nd. In a continuous juice-extracting press, as described, the fixed imperforate roll H, and adjustably movable imperforate roll H_1, with the non-porous endless apron L, in combination with the perforate roll F, apron G, imperforate rolls D, E, gear wheel H_5, pinion B^2, crank B_3, rolls B, springs I, adjusting-screw J and tightener M, W, substantially as and for the purpose specified. 3rd. In combination with the rolls D, E, F, H and H_1, aprons G, L, the roll M, with its lever N, arms N_2, fulcrum N_1 and weight P, whereby a variable tension is produced upon the apron L, and the pomace held between the aprons G, L, is correspondingly compressed, as and for the purpose specified. 4th. In combination with a juice-extracting press-frame, as described, and the series of imperforate and perforate rolls mounted therein, the movable rails A_3, whereby the aprons G and L may be introduced and applied to their respective rolls without dismantling the machine, in the manner and for the purpose set forth. 5th. In a continuous juice-extracting press, as described, the perforate roll F, with perforations F_2, in combination with a porous fabric endless apron G, and a non-porous endless apron L, so arranged relative to said roll that the aprons G, L shall cover the upper half circumference of said roll, the lower half being free, whereby the juice expressed from the pomace held between said aprons will pass through the porous apron G, and the perforations F_2 within the roll and by the perforations F_2 from the interior of the roll upon the gutter R, and be discharged by pipe S, substantially as and for the purpose specified. 6th. In a press, as described, provided with the rolls H, F and bearing F_1, H_2, the spring stem I2, in combination with the adjusting screw J, its tenon J1, hand-wheel J_2, and K, helical or gum spring I and post A, whereby the pressure upon the rolls is adjustable, and unusual strains, provided for substantially as shown and for the purpose hereinbefore set forth.

No. 21,601. Egg-Holder. (*Cocolière.*)

Francis P. Hervey, Brenham, Texas, U.S., 6th May, 1885; 5 years.

Claim.—1st. In an egg-holder, the combination, with two hollow semi-ellipsoidal sections, having stems and legs, which stems are hinged together, of a spring for pressing the sections together, substantially as herein shown and described. 2nd. In an egg-holder, the combination, with two hollow semi-ellipsoidal sections A, having downwardly projecting stems B, terminating in legs C, the stems B being pivoted to each other, of the spring D interposed between the lower ends of the stems, substantially as herein shown and described.

No. 21,602. Finishing Machine for Leather.

(*Machine à Corroyer les Cuirs.*)

George A. Hardy, Old Lenton, Eng., 6th May, 1885; 5 years.

Claim.—The combination, in a machine for finishing leather, of a revolving drum carrying fleshing knives B_3, draw rollers C, C, grounding roller G and levers D_1, D^2, substantially as set forth.

No. 21,603. Tag for Securing and Shipping Parcels. (*Ligature pour Attacher et Charger les Paquets.*)

James Castle, Toronto, Ont., 6th May, 1885; 5 years.

Claim.—1st. In the shipping tag C, the cord H with knot F, enclosed in the envelope B having holes a, a_1, a_2, a_3 and a_4, as shown and described. 2nd. In the tag envelope B, the flaps D, with apertures and seal d, as shown and described. 3rd. In an envelope, such as described, the holes b, b_1 and cord H, as shown and described and for the purposes set forth. 4th. In a tag envelope, such as described, the cord H, having a knot G enclosed in the envelope B, as shown and described and for the purposes set forth.

No 21,604. Window Curtain Bar.

(*Bâton de Rideau de Fenêtre.*)

Ira B. Tripp, Aurora, Ill., U.S., 6th May, 1885; 5 years.

Claim.—1st. A window-curtain bar, composed of one or more slotted metallic tubes, substantially as described, for the bottom of curtains. 2nd. In combination with a window-curtain bar, composed of one or more slotted metallic tubes, the spiral B, B, or equivalent means, attached to the edges of a curtain, substantially as and for the purpose set forth.

No. 21,605. Brick Machine. (*Machine à Brique.*)

Cyrus Chambers, Jr., Philadelphia, Penn., U. S., 6th May, 1885; 5 years.

Claim.—1st. The improvement in the means for fitting the socketed thrust plate on to the end of the pugging shaft, consisting in providing the latter with a shoulder and longitudinal indentations, and said thrust plate with a corresponding bearing or shoulder, and internal lugs adapted to register with and enter said indentations in the shaft, the bearing surfaces being trued up, all substantially as and for the purposes specified. 2nd. The screw-case lining, adapted to be rotated to different positions with relation to the case, and the expressing screw, and provided with means, substantially as shown, for securing the same in such different positions, substantially as and for the purpose described. 3rd. The combination of the screw case, the rotatable lining having the slots R_2, and the fastening lugs r_5, substantially as and for the purposes specified. 4th. The inlet-pipe, having its lower extremity extended into the tempering case in proximity to the circle described by the adjacent knives and of curvilinear form, substantially as shown and for the purpose set forth. 5th. The improvement in the art of making bricks of clay or other plastic substance, which consists in forcing the same through a die in a bar, and cutting the latter into bricks by means of a wire or wires mounted on an endless belt, propelled automatically by the pushing force of the said bar through suitable intermediate mechanism, to move in the same direction as the bar and diagonally across its path, the movement given to the wire or wires with relation to that of the bar being as described, whereby the latter is intersected transversely at right angles and is cut off into brick lengths, substantially as set forth. 6th. The improvement in the art of making bricks of clay or other plastic material, consisting in forcing such material through a suitable die in a continuously moving bar or column, and simultaneously dividing the same into bricks by means of a wire or series of wires, caused to move with the continuous bar, and at the same time across its path, substantially as set forth. 7th. In a machine for making bricks of clay or other plastic material, the following elements, combined and operating substantially as herein-