

No. 26,123. Steam and Hot Water Heating Boiler. (*Chaudière de Calorifère à Vapeur et Eau.*)

James McAndrew and George H. Noble, Peterboro, Ont., 7th March, 1887; 5 years.

Claim.—1st. The combination of the square boiler B and the circular fire place F, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the pipes D and E, from top of boiler A, substantially as and for the purpose hereinbefore set forth.

No. 26,124. Churn. (*Baratte.*)

Garret Seger, Niagara Falls, Ont., 7th March, 1887; 5 years.

Claim.—1st. The combination of the driving arms b, b, the belts e, e, and the pulley c, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, with driving arms b, b, the belts e, e, and the pulley c, of the dash g and fan h, substantially as and for the purpose hereinbefore set forth.

No. 26,124. Bed Bottom. (*Sommier de Lit.*)

Charles L. Ames, Ridgeland, Ill., U.S., 7th March, 1887; 5 years.

Claim.—1st. In a bed bottom, the combination, with the frame A, B, woven wire fabric E and springs D, of supports C composed of sections C₁ connected by yoke C₂ and adjusting bolts C₃, substantially as shown and described. 2nd. In a bed bottom, the combination, with the frame A, B, A, B, woven wire fabric E and springs D, of downwardly-directed supports C, composed of sections C₁ connected in pairs by yokes C₂ and adjusting bolts C₃, substantially as shown and described. 3rd. In a bed bottom, the combination, with the frame A, B, A, B, woven wire fabric E and springs D, of supports C composed of sections C₁, applied by their outer ends to the upper side of the end rails, and by their inner ends to the adjustable yokes C₂, substantially as shown and described.

No. 26,126. Casing for Windows, Blinds, etc. (*Châssis de Croisée, Persienne, etc.*)

Magloire Thibeault, Ottawa, Ont., 7th March, 1887; 5 years.

Claim.—1st. The chamber D, as an addition to a window frame, and provided with the parting strips b₁, and the window frame style B having openings for the passages of the sashes and blinds into and out of said chamber, substantially as shown and described. 2nd. The combination of a window frame, having the sill A, styles B, B₁, and cap C, with the blinds E and sashes F and G arranged to slide through the slide B into the chamber D, the parting strips b₁ and stops c₁, substantially as herein described, and for the purposes set forth.

No. 26,127. Bob Sled and Sleigh.

(*Traineau Accouplés.*)

Willett Fisher, Homer, N.Y., U.S., 7th March, 1887; 5 years.

Claim.—1st. A sled or sleigh having two supporting irons extending from one runner to the other, and attached to the cross-beam on its front and rear sides, the irons having a part of their depending portions bent forward and backward to form knees and secured to the runners, as set forth. 2nd. The combination, with a sled or sleigh having supporting irons extending across the runners and attached to the cross beam on its front and rear sides, a part of the depending portion of the irons being bent forward and backward to form knees, of a curved filling block secured between the depending irons and fastened to the cross-beam, substantially as shown and for the purpose set forth. 3rd. The combination, with a sled or sleigh having supporting irons semi-circular in form, extending from one runner to the other, and secured to the front and rear sides of the cross-beam, and having depending portions bent forward and backward to form bracing knees, of a curved filling block secured to the beam and between the supporting irons, having a brace in its lower portion extending to the outer end of the cross beam, as set forth.

No. 26,128. Combined Hot Air Register, Border and Box. (*Régistre d'Air Chaud, Bordure et Boîte Combinés.*)

Horace K. Talmage, Buffalo, N.Y., U.S., 7th March, 1887; 5 years.

Claim.—A register, consisting of the top and border plate (either separate or combined) having the central open work portion and slideway, and the box portion 1 having a rim 2, in combination with a pivoted damper 3, a sliding piece 9 provided with a handle 12, and adapted to fit and slide back and forth in the slide-way 8, and a connecting rod pivoted to the damper and to the sliding piece, substantially as and for the purposes described.

No. 26,129. Machine for Making Dowel Pins.

(*Machine à Faire les Goujons.*)

Clarence F. Stewart, Norwalk, Ohio, U.S., 7th March, 1887; 5 years.

Claim.—1st. In a machine for making dowel-pins, the combination, with a finishing die, a splitting knife set substantially parallel with the axial line of the die, a suitable bed and reciprocating plunger, of a guide-block, the same being notched to engage two sides of the blank and springs respectively, for pressing the guide-block toward the knife and toward the bed-plate, substantially as set forth. 2nd. In a machine for making dowel pins, the combination, with a bed-plate, a plunger mounted thereon, a splitting knife and notched guide block yieldingly held in position of a supporting plate, a finishing die secured thereto and the flange integral with or rigidly secured to the bed-plate, the said plate and flange having respectively elongated holes at right angles to each other for the passage of the securing bolts, substantially as set forth. 3rd. In a machine for making dowel pins, the combination, with a bed plate, having recesses a and a₁ made on opposite sides of the plate, of a splitting

knife and arm D secured in the respective recesses, said knife being set substantially parallel with the axial line of the finishing-die, of a guide-block notched to engage the blank on two sides, said block being yieldingly held in position by springs that respectively press the guide-block downward and forward, the springs being adjustably supported from the said arm D, substantially as set forth. 4th. The combination, with a bed-plate, a splitting-knife, a finishing die and a reciprocating plunger, of the block E yieldingly secured to the bed-plate, and springs for pressing the block downward and laterally. 5th. In a machine for making dowel pins, the combination, with a finishing die, a splitting-knife set substantially parallel with the axial line of the die, and a device for guiding the blank, of springs arranged to press the guiding device downward and forward, substantially as set forth.

No. 26,130. Bustle. (*Tournure.*)

Thomas P. Taylor, Bridgeport, Conn., U.S., 7th March, 1887; 5 years.

Claim.—1st. A bustle, consisting of side pieces, a spring rib or ribs connected thereto, a supplemental rib or ribs, and a connection between the spring rib or ribs and the supplemental ribs, so that, when pressure is released, the spring rib or ribs will act to draw the supplemental ribs to their proper position. 2nd. A frame-work for folding bustles, consisting of side pieces having eyes at the tops, and a curved spring rib at the bottom connected to said side pieces by coils. 3rd. A bustle, consisting of side pieces, a spring rib or ribs connected thereto, and a distending portion formed of curved ribs, the ends of said ribs being connected to the side pieces, and strips connecting the distending portion with the spring rib or ribs. 4th. A bustle, consisting of two side pieces, a cross-piece connecting them, diagonal spring ribs, one end of each rib being attached to one side piece at the bottom and to the opposite side piece at the top, said ribs crossing each other midway their length, an independent rib curving upward and under the diagonal ribs from one side piece to the other, and a strip and loop connecting the supplemental rib with the spring ribs, substantially as described. 5th. In a bustle, the combination, with side pieces 1, spring ribs 2 and supplemental ribs 7, of a connection, for example a strip or cord, whereby the ribs 7 are connected to ribs 2 and brought to place after the bustle has been folded.

No. 26,131. Construction and Operation of Farm Gates. (*Fabrication et Fonctionnement des Barrières.*)

Alexander Mennie, St. Mary, Ont., 7th March, 1887; 5 years.

Claim.—1st. The drum J, substantially as and for the purpose hereinbefore set forth. 2nd. The chains K, K and the manner of arranging the same on the drum J, and the rollers L, L, substantially as and for the purpose hereinbefore set forth. 3rd. The combination of the rollers L, L, with the crank rods M, M, substantially as and for the purpose hereinbefore set forth.

No. 26,132. Plough and Excavator.

(*Charrue et Fouilleur.*)

James Plenderleith, Caddon Linns, Scotland, 7th March, 1887; 5 years.

Claim.—1st. The combination of the blades G, G, with the cylinder F, the form of the blades and the mode of fixing them to the cylinder or drum, substantially as and for the purposes hereinbefore set forth. 2nd. The combination of the shield and deflectors, with the forward parts of the shield at the ends of the cylinder, substantially as and for the purposes hereinbefore set forth. 3rd. The combination of the waggon A, with the framing B, substantially as and for the purpose hereinbefore set forth.

No. 26,133. Saw Swage. (*Presse à Scie.*)

Jeremiah Quinlan, Saint John, N.B., 7th March, 1877; 5 years.

Claim.—1st. The corrugated die D, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the flat die G, with the corrugated die D, substantially as and for the purpose hereinbefore set forth.

No. 26,134. Valve Governor.

(*Gouverneur de Soupape.*)

John S. Hall, New York, N.Y., U.S., 7th March, 1887; 5 years.

Claim.—1st. In a valve governor, the combination of an adjustable valve stem having a locking key journaled loosely thereon, and engaging with the stem at a predetermined point with a secondary locking screw for locking the key in position, as and for the purposes described. 2nd. In a valve governor, the adjustable valve stem provided with a locking recess and screw-threaded as described, in combination with an adjustable elastic locking key, and a set nut for locking said locking key in any desired position, substantially as and for the purposes specified. 3rd. In a valve governor, the adjustable stem provided with a thumb-nut or hand-wheel, and a secondary rigid disc secured to the valve stem beneath the thumb-nut or hand-wheel, which rigid disc is considerably smaller than the thumb-nut or hand-wheel, and having a recess therein, in combination with the locking disc for holding the locking key in position, and the locking key, all constructed and combined to operate substantially as described, whereby the locking key is entirely protected by the thumb-nut or hand-wheel, to prevent accidental breaking or displacement of the same, substantially as and for the purposes specified.

No. 26,135. Knockdown Folding Bedstead.

(*Lit-brisé.*)

John G. Peace, Salem, Mo., U.S., 7th March, 1887; 15 years.

Claim.—1st. The combination, with the posts B, each having near its lower end a key-hole slot, and the rigid tie-bar C removably se-