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INVENTIONS PATENTED.

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

No. 24,848. Confectioner's Melting Bath. (*Bain de Confiseur.*)

Adolph Musser and Leo M. Geismar, Detroit, Mich., U. S., 3rd September, 1886; 5 years.

Claim.—1st. The combination, with the vessel B having steam-pipe and coil and flange c, as described, of the vertically-movable porcelain-lined vessel C with its round bottom, and adapted to be raised or kept at a varying height as to water-line by means of a reducer on the flange c, substantially as and for the purposes set forth. 2nd. The combination, with the vessel B having the flange c, and provided with steam-pipe D and coil E, of the independent removable porcelain-lined vessel C having flange f formed thereon, to rest on the flange c of the vessel B, substantially as described. 3rd. The combination, with the tripod A having rim a, of the vessel B having flange b and inwardly-projecting flange c, steam-pipe D, coil E, and the independent vessel C, provided with flange f, and handle F, substantially as shown and described.

No. 24,849. Draft Regulator for Fire Places, etc. (*Régulateur de Tirage pour Foyers, etc.*)

William Hunter and Thomas J. Shackelford, San Francisco, Cal., U. S., 3rd September, 1886; 5 years.

Claim.—In a fire-place or grate, the inclined plate fixed above and behind the fire, within the chimney or flue-opening, and having the vertical slots, as shown, in combination with a secondary plate sliding transversely between guides upon the back of the first plate, and having slots made of different widths, or with offsets, between the top and bottom, said slots aligning themselves with those in the first plate, whereby the position of the draft-opening may be regulated, substantially as herein described.

No. 24,850. Measuring Device and Register for Fence Material. (*Mesureur-Compteur de Matériel à Clôture.*)

John B. Thies, Collins Wight and Harry C. Wight, Dayton, Ohio, U. S., 3rd September, 1886; 5 years.

Claim.—In a device for measuring wire and picket fencing, the combination of an arm having a horizontal slot in its outer portion, and pivoted to swing in a horizontal plane, a pulley journaled near the roll to be measured, a cord or chain secured to the arm and passing over the pulley, and provided with a weight at its outer end, a spur disk journaled in the outer end of the slot in the arm, and having an upwardly-projecting stud upon its upper face, a cogged disk journaled upon the downwardly-facing side of the slot in the arm, and engaged by the stud upon the face of the spur disk, and a hammer having a bevelled head engaging the cogs of the disk, and secured to the free end of a spring arm having a coil near its secured end, and secured near the outer end of the slotted arm, as and for the purpose shown and set forth.

No. 24,851. Fence-Making Machine. (*Machine à Faire les Clôtures.*)

John B. Thies, Collins Wight and Harry C. Wight, Dayton, Ohio, U. S., 3rd September, 1886; 5 years.

Claim.—1st. In a fence-making machine, the combination, with a gang of wire-twisters, of a pair of bevelled bars, one of which is yielding, facing the ends of the twisters, with their bevelled sides, and means for forcing the pickets between the said yielding bars, as and for the purpose shown and set forth. 2nd. In a fence-making machine, the combination, with a gang of wire-twisters, of two bars, one of which is yielding, both having their inner edges bevelled, and having the bevelled sides facing the delivery ends of the twisters, and reciprocating arms having slotted ends sliding in notches in the facing edges of the bevelled bars, as and for the purpose shown and set forth. 3rd. In a fence-making machine, the combination, with a gang of wire-twisters, of a rigid bar having its inner edge bevelled and faced with a metallic strip, a bar having its edge facing the bevelled edge of the rigid bar, bevelled and faced with a metallic strip and having, at the opposite edge, laterally-projecting rods provided with coil springs and sliding in bearings, arms, having their longitudinal slotted ends sliding in notches in the bevelled edges of the bars, and means for simultaneously reciprocating the said arms, as and for the purpose shown and set forth. 4th. In a fence-making machine, the combination of a rectangular upright frame having a vertical gang of wire-twisters, two transverse castings having flanges and longitudinal slots, and adjustably secured by set screws on the facing sides of the top and bottom piece of the frame, a bar secured to one end of the flanges of the casting and having its inner edge bevelled and faced with metal, a bar secured at its ends in the other ends of the castings, and having transverse perforations or bearings, a bar having its ends sliding against the castings and against their flanges, and having the edge facing the bevelled edge of the rigid bar bevelled and faced with metal, and provided with laterally-projecting rods sliding in the bearings in the perforated rigid bar, and having spring coils around them and bearing against the bars, and means for forcing the pickets between the bevelled edges of the bars, the said edges facing the delivery ends of the twisters, as and for the purpose shown and set forth. 5th. In a fence-making machine, the combination of a gang of wire-twisters, of vertical rock-shafts journaled to the rear of the twisters and having arms projecting from it, a pair of yielding bars having their bevelled facing edges formed with notches and placed registering with the delivery ends of the twisters, and picket-forcing arms pivoted at their rear ends to the arms upon the rock shaft, and having their forward ends slotted longitudinally and sliding in the notches in the bevelled bars, as and for the purpose shown and set forth. 6th. In a fence-making machine, the combination of a vertical rock shaft operating the forcing arms and having a crank at its upper end, a reel shaft having a ratchet wheel upon its end, and a pawl engaging the said wheel, a crank pivoted upon the upper end of the reel shaft and having a spring pawl engaging the reel at its outer end, and a pitman composed of two parts having an interposed spring and pivoted to the two cranks, as and for the purpose shown and set forth. 7th. In a fence-making machine, the combination of the vertical rock shaft operating the forcing arms and having the crank at its upper end, the reel-operating crank having a spring pawl at its end, the ratchet wheel upon the reel engaged by the pawl, the parallel rods having the bar pivoted to the rock shaft crank, and having its ends connected by the perforated yoke, the rod pivoted to the loose crank and sliding in the yoke having a cross-head upon its end, sliding with its notched ends upon the parallel rods, and the spring coiled around the rod and bearing against the yoke, and against the cross-head, as and for the purpose shown and set forth. 8th. In a fence-making machine, the combination of the reel shaft, the bracket hinged to swing upward upon the end of the top piece of the frame, the short shaft journaled in the outer end of the bracket, and formed with the socket at its lower end, receiving the upper end of the reel shaft, the ratchet wheel upon the short shaft, and the rocking arm or crank upon the end of the short shaft having the spring pawl engaging the ratchet wheel, as and for the purpose shown and set forth.

No. 24,852. Automatic Electric Liquid Level Indicator and Controller. (*Indicateur-Régulateur Electrique Automatique du Niveau d'Eau.*)

John J. Ghogan, Newark, N.J., U. S., 3rd September, 1886; 5 years.

Claim.—1st. The combination of a float D provided with magnetic material with a polarized needle E, which is deflected from a normal