No. 25,130. Tubular Case Mortise and other Locks and Latches. (Serrire et Loquet Caches à Palastre Tubulaire et autres.)

Frederick J. Biggs, London, Eng., 15th October, 1886; 5 years

Trederick J. Biggs, London, Eng., 16th October, 1886; 5 years.

Claim—1st. In a mortiso lock, an inner frame carrying the lock mechanism, and lawing an opening in same extending from the upper sade to the lower side, in combination with a outer case formed of a drawn tube in one piece into which the said inner frame fits, substantially as hereinbefore described. 2nd. In a mortiso lock, the combination, with an inner frame carrying the lock mechanism, and having an opening in same extending from the upper side to the lawer side, and with an outer case formed of a drawn tube in one piece into which the said inner trame fits, of means, substantially as described. Whereby the said inner trame fits, of means, substantially as described, whereby the said inner trame fits, of means, substantially as first in the projection is at the rear end of the inner frame, e. in combination with a hole or recess in the rear end of the outer case a, as and for the purpose described. 4th. In a mortiso lock, an inner frame carrying the lock mechanism and having an opening in same extending from the upper side to the lower side, said frame boing rounded at top and bottom but flat at the sides, substantially as represented in Fig. 8 for the purpose set forth. 5th. The combination of a swivelling latch and a romovable face or end plate, said latch being free to be reversed when said plate is detached, but prevented by said plate from reversing when the latter is in position, substantially as herein described. 6th. The combination, with the swiveling latch d., of the fore plate f having a latch hole large enough to allow the latch to turn, and of the face or end plate s having a latch hole not large enough to allow the latch to turn, substantially as and for the purpose herein described.

No. 25,131. Combined Latch and Lock.

(Loquel et Serrure Combines.)

George B. Underwood, Toronto, Ont., 15th October, 1286; 5 years.

Claim.—1st. The combination of the bolt 5 having a notch 8 provided with the converging sides 9, 9, and the spindle socket 6 having a trippet 7 provided with converging sides 9, 10, 10, whereby the bolt is expelled when the convergent sides of the bolt and trippet are in frictional contact, substantially as set forth. 2nd The combination, with bolt 5 and spindle socket 6 having trippet 7, of the gravitating lever 11, gravitating weight 22, dog 14 and rumblers 21, as set forth for the purpose described. Sid. The slide 25, in combination with the gravitating lever 11, and gravitating weight 22 to simultaneously look the bolt and close the key holes, as set forth lock the bolt and close the key holes, as set forth.

No. 25,132. Process of Manufacturing Beer. (Procéde de Fabrication de la Bière.)

John C. C'Mullin, Halifax, N.S., 15th October, 1886; 5 years.

Claim.—The process of manufacturing beer by running the malt liquid from the fermenting tub at temperature of frame 62°, Fah. to 72° Fah. into cask white fermentation is actually going on, and by the addition of highly sugar for the purpose feeding of the beer in the proportion above mentioned, substantially as above described.

No. 25,133. Door Hanger.

(Poulie de Porte en Coulisse.)

John Braun, Philadelphia, Penn.; U.S., 15th October, 1886, 5 years.

John Braun, Philadelphia, Penn.; U.S., 15th October, 1836, 5 years. Claim.—1st A door hanger having a frame with fixed boxes, a rising and falling box, a door plate connected with the latter, and a movable wedge, said wedge passing through the several boxes, and having its upper edge bearing against the movable box, substantially as described. 2nd. A frame with fixed boxes, a plate attachable to a door connected with a rising and falling box, and a movable wedge passing through the several boxes and bearing against the movable box, said plate having a boss, and said wedge a threaded end or shank on which is fitted an adjusting nut which bears against the boss, substantially as and for the purpose set forth. 3rd. In a door hanger, a frame baving depending boxes fixed thereto, a rising and falling box and means for moving the latter, said box being connected with the door plate and located between the fixed boxes, whereby the space below the frame is closed and the displacement of the sheaves thereby prevented, substantially as described.

No. 25,134. Tedder. (Faneuse.)

J. O. Wisner, Son & Co., (assignees of James S. Heath,) Brantford, Ont., 15th October, 1886; 5 years.

Claim.—1st The prongs A having a coiled loop B, in combination with the tedder arr D, and spring P, substantially as and for the purpose specified 2nd The prongs A, having loop B coiled around the ferrules C, and secured to the tedder arm by means of the bolt E, in combination with a spring arranged to connect the loop B to the arm D, substantially as and for the purposed specified. 3rd. The prongs A having a loop coiled on either side of the arm D to which it is connected, in combination with the bracket I and spring F, substantially as and for the purpose specified.

No. 25,135. Jar Cover. (Couvercle de Jarre.)

John Doherty, Thomas C. roy and Henry Kuffer, Lockwort, N. Y., U.S., 15th October, 1886; Syear,

Claim.—1st. The combination, with the main portion of a cover, said portion being formed with flanges c and D, a shoulder d being tormed on the flange D, of packing rings B and f, and an auxiliary cover, substantially as described. 2od. A fruit far cover formed with the flanges c and D, the flange c being formed with the ridges b, b, and the flange D having a shoulder d, said cover being provided with an auxiliary cover E, with ridges i, i and grooves h, h, substantially as described.

No. 25,136. Automatic Car-Coupler. (Attelage de Chars Automatique.)

John D. Ripson and Robert Watson, Toronto, Ont., 15th October, 1836; 5 years.

1836; 5 years.

Claim.—1st. A draw-head A having a block C fitted within it, and a loop D formed in the said block to receive the conical head a of the link-pin J, and a spandle E to pass through the battom of the draw-head A, in combination with the proted lever F actuated by the spring H, substantially as and for the perpose specified. 2ad. A draw-head A having a recess or slot formed in it to receive the block C and a shoulder b, in combination with the said block C having a shoulder d formed in it, and a loop D attached to it from which loop a spindle E extends to be actuated on by a spring, substantially as and for the purpose specified. 3rd. A draw-head A having a block C fitted within it, and a loop D formed in the said block to receive the conical head a of the link-pin J, and a spindle E to pass through the bottom of the draw-head A, in combination with the proted lever F, actuated by the spring H, and crank-rod I, substan cally as and for the purpose specified.

No 25,137. Nail Plate Feeder.

(Alimentateur de Machine à Clou.) Randolph Hersey, Montreal, Que., 16 h October, 1933; 5 years.

Randolph Hersey, Montreal, Que., 16 h Ostober, 1835; 5 years.

Claim.—1st. In combination with a nail-cutting machine, the swinging frame at privally rotated synader ct, segmental lover it having segmental rack ht, segment mt and can projection mt, slide 22 having payels 25 and m3, and nipper rod or tongs r2, the whole substantially as described. 2nd. The combination, with a nail-cutting machine, of the vibrating lever l, operated by the nail machine, as described, connecting rod pt, segmental lover i, connecting rod lt, arm v, rock shaft s, arm l2 and connecting rod e2, with the frame a1 having its pivot point l, located as described, the whole substantially as described. 3rd. In combination with the slide l2, operated as described, and having payels l3 and m3, the rest g2 having gripping and friction heads p2, nipper rod or tongs r2 having serrations s2 and jaws g1, blank space t3 and collar l3, with the slide l2, operated as described, and having payels st and ms, the rest g2 having gripping and friction heads p2, insper rod or tongs r2 having serrations s2 and jaws g1, blank space t4 and collar l3, with the slide l2, operated and arranged substantially as described. 5th The improved construction of the nipper rod or tongs, consisting of two combination of the liws g3, rod r2, serrations s2, blank space l4 and collar l3, with an actuating payel mechanism, constructed and arranged for operating the samb, substantially as described. 6th. The combination of the segmental lever (1, operated as described, having segment mt, cam prijection n1, slide l2, spring d3, pawis l3, and m3 and nipan nipper rod or tongs r2, the whole substantially as described.

No. 25,138. Steam Trap. (Trappe de Vapeur.)

John Morehead, Detroit, Mich., U S., 16th October, 1836; 5 years.

No. 25,138. Steam Trap. (Trappe de Vapeur.)

John Morchead, Detroit, Mich., U.S., 16th October, 1836; 5 years.

Claim.—1st. A steam trap consisting of a chamber provided with an inlet and outlet pipe at one side of the centre of gravity, said inlet pipe axially connected with a steam pipe, and the outlet pipe axially connected with a discharge pipe, a valve located in the outlet pipe arranged to open when the vessel is tilted and vice versa, said vessel having an upwardly-extended interior pipe to admit condensed water, and a channel to carry the water from the "hamber into the outlet pipe, said chamber with said interior pipe and said channel, all constructed in an integral casting, substantially as described. 2nd The combination, with a chamber communicating with an interpipe and an outlet pipe at one side the control of gravity, and constructed with an upwardly-extended interior pipe admit condensed water, a channel to carry the water from the chamber to the outlet pipe, of a pipe to return the condense water to the boiler, a steam pipe D communicating with the the inlet pipe, abeck-valves located in the steam space of the boiler and with the unlet pipe between its check-valve and the chamber, said steam pipe G connected with the steam space of the boiler and with the inlet pipe between its check-valve and the chamber, said steam pipe, and the cream of the pipe, and the chamber is in a horizontal position and vice versa, said chamber having an osciliatory councerion with the steam pipe D and the return pipe, all arranged to operate substantially as and for the manner described. 3rd. In a steam trap, a chamber constructed to communicate with an inlet and outlet pipe at one side, the centre of gravity having an interior pipe to communicate with the inlet pipe upwardly extended, said chamber provided with a channel to carry the water from the chamber to the obamber and carry the same pope populary. And a hand-hole to facilitate clonasing the same, and a vent original location of an integral casting, substantial