

No. 41,138. Machine for Making Confections.*(Machine à faire les bonbons.)*

Thomas Robertson, Toronto, Ontario, Canada, 9th December, 1892; 6 years.

Claim.—1st. A reservoir containing a glutinous liquid, and having a tube or other compressible material extending from it, in combination with means for squeezing the tube to cut off the glutinous liquid and permit the "drop" to fall from the end of the tube, substantially as and for the purpose specified. 2nd. A reservoir containing a glutinous liquid, and having a tube of rubber or other compressible material extending from it, pneumatic or other means for expelling the glutinous liquid, in combination with means for squeezing the tube to cut off the glutinous liquid and permit the "drop" to fall from the end of the tube, substantially as and for the purpose specified. 3rd. A reservoir containing a glutinous liquid, having tubes of rubber or other compressible material extending from it and means for squeezing the tube to cut off the glutinous liquid, in combination with a "drop receiver" intermittently moved in a horizontal direction, substantially as and for the purpose specified. 4th. A reservoir containing a glutinous liquid, having tubes of rubber or other compressible material extending from it, and means for squeezing the tube to cut off the glutinous liquid, in combination with a "drop receiver" intermittently moved in a horizontal direction, and mechanism to cause the tubes and "drop receiver" to part when the "drops" are deposited thereon, substantially as and for the purpose specified. 5th. A hermetically sealed reservoir containing a glutinous liquid, and having tubes of rubber or other compressible material extending from it, in combination with an air pump connected to the reservoir, and a safety valve located thereon, substantially as and for the purpose specified. 6th. A hermetically sealed reservoir containing a glutinous liquid subjected to pneumatic pressure, a safety valve placed upon the reservoir from which reservoir tubes of rubber or other compressible material project, and means for squeezing the tube to cut off the glutinous liquid, in combination with intermittently moving paper carried below the tubes, substantially as and for the purpose specified. 7th. A reservoir containing a glutinous liquid, and having tubes of rubber or other compressible material extending from it, a web of paper carried below the tubes and intermittently moved in a horizontal direction, in combination with mechanism by which the paper receives at regular intervals an extra horizontal movement, and mechanism for cutting the paper immediately after said extra movement, substantially as and for the purpose specified. 8th. A reservoir containing a glutinous liquid, and having tubes of rubber or other compressible material extending from it, pneumatic or other means for expelling the glutinous liquid from the tubes, means for squeezing the tubes to restrain at given intervals the flow of glutinous liquid through them in combination with a drop receiver, intermittently moved in a horizontal direction, and mechanism to cause the paper to recede from the tubes when the drops are deposited thereon, substantially as and for the purpose specified. 9th. A reservoir containing a glutinous liquid and having tubes of rubber or other compressible material extending from it, pneumatic or other means for expelling the glutinous liquid from the tubes, means for squeezing the tubes to restrain at given intervals the flow of glutinous liquid through them, in combination with an endless apron, carrying a drop receiver intermittently moved in a horizontal direction, mechanism to cause the drop receiver to recede from the tubes when the drops are deposited and mechanism to impart a vibratory motion to the drop receiver after it has receded from the tubes, substantially as and for the purposes specified. 10th. A hopper-shaped reservoir A, containing a glutinous liquid and provided with a hermetically sealed detachable cover G, a pipe E, connecting the interior of the reservoir A, with the air pump F, a series of tubes I, extending from the bottom H, of the reservoir, and a pair of jaws c, extending across and on each side of the tubes, in combination with means for intermittently moving the jaws to grip the tubes, substantially as and for the purpose specified. 11th. A reservoir containing a glutinous liquid, a series of tubes extending from it, a pair of jaws v, suspended from the arms w, which are respectively pivoted on the independent vertical plate z, a bracket y, located between the arms w, each provided with a spring z, arranged to act against the bracket y, a pin a¹, projecting from each jaw v, in combination with a vertically moving plunger, having a cross head t, with horns u, formed on it and operated so that the horns u, will intermittently come in contact with the pin a¹, in such a manner as to force the jaws v, against the tubes, substantially as and for the purpose specified. 12th. An endless apron K, supported at one end by the drum L, and carrying a web of paper b¹, a suitably journaled shaft M, fixed to the drum L, and having a spur wheel N, fixed to it, which drives the rollers Q, and a ratchet wheel R, fixed to the shaft M, in combination with an eccentric U, fixed to the driving shaft J, arranged to operate the pawl with the ratchet wheel for the purpose of imparting an intermittent motion to the endless apron K, and paper b¹, substantially as and for the purpose specified. 13th. A hinged table f, located below the endless apron K, and paper b¹, which derives an intermittent motion in combination with a cam i, fixed to the shaft J, lever h, operated by said cam and the rod g, connecting the lever to the table and arranged to impart at regular intervals a vertical movement to the table, substantially as and for the purpose specified. 14th. The combination with an intermittently moving apron K, supporting a drop receiver, of a revolving agitator s, ar-

ranged to impart a vibratory motion to the said apron, substantially as and for the purpose specified. 15th. A long arm n¹, pivoted on the shaft M, and supported by the block o¹, formed on the spring dog p¹, a crank arm r¹, extending from the arm n¹, and carrying the pawl s¹, in combination with the disk t¹, fixed to the shaft M, a projection a¹, and a finger v¹, arranged substantially as and for the purpose specified. 16th. A cutter f¹, suitably journaled in the frame of the machine and extending across the face of the paper b¹, a crank arm h¹, fixed to the cutter f¹, and actuated by a spring j¹, in combination with the arm k¹, and mechanism for causing the said arm to fall and strike the crank h¹, substantially as and for the purpose specified. 17th. A cutter f¹, suitably journaled in the frame of the machine and extending across the face of the paper b¹, a crank arm h¹, fixed to the cutter f¹, and actuated by a spring j¹, in combination with the dog m¹, pin x¹, pivoted arm n¹, and spring dog p¹, substantially as and for the purpose specified. 18th. An endless apron intermittently moved and supporting a web of paper, a grooved metal plate held stationary on a line with the main surface of the apron and below the paper, rollers to carry the apron below and clear of the stationary plate, in combination with a cutter extending across the surface of the paper immediately above the grooved plate and operated by mechanism to bring it at certain intervals in contact with the paper, substantially as and for the purpose specified.

No. 41,139. Clamp for Bed Clothes.*(Agrafe pour couvertures de lit.)*

Anthony W. Hamble, Allan, Kansas, U. S. A., 9th December, 1892; 6 years.

Claim. A bed clothes clamp comprising a plate provided with a perforated lug, clamping arms having their inner ends pivoted together and their outer ends provided with oppositely disposed concave circular clamping jaws, and a coupling block pivoted to the inner ends of the arms and to the lugs and provided with bifurcations disposed at right angles to receive the parts, substantially as described.

No. 41,140. Clamp for Floors. (Agrafe pour planchers.)

Alexander Zauner, San Antonio, Texas, U. S. A., 9th December, 1892; 6 years.

Claim.—1st. In a floor clamp, the combination, with a reciprocating clamping bar and means for operating the same, said clamping bar being provided at its front edge and lower corner with a transverse rabbet or recess, of a metal plate secured to the under side of the bar, substantially as specified. 2nd. In a floor clamp, the combination, with a reciprocating clamping bar and means for operating the same, said clamping bar being provided at its front edge and lower with a transverse rabbet or recess, of a transverse metal plate let into the under side of the clamping bar and having its front edge extending under the rabbeted portion thereof and bolts for removably securing the plate to the bar, substantially as specified. 3rd. In a floor clamp, the combination, with the clamping bar and a bolt passed through the rear end of the same, of a handle terminating at its lower end in jaws and provided with perforations for loosely receiving the bolt at opposite sides of the bar, means for opening and closing the jaws and sliding them on the bolt, and fulcrum points for engaging the joists, extending inwardly from the jaws below the bolt, substantially as specified. 4th. In a floor clamp, the combination, with the clamping bar and a bolt passed through the rear end of the same, of a handle terminating at its lower end in spring jaws perforated so as to loosely receive the bolt at opposite sides of the bar, means for increasing the tension of the jaws and for opening and closing the same, and fulcrum points located at the inner sides and near the lower ends of the jaws, substantially as specified. 5th. In a floor clamp, the combination, with the clamping bar, the bolt passed therethrough, the handle and the opposite spring jaws bent to embrace the bar and perforated to loosely receive the bolt and terminating below the bolt in fulcrum points, of the lever eccentrically pivoted to one end of the bolt beyond the jaw and having its inner end adapted to bear against said jaw, substantially as specified. 6th. In a floor clamp, the combination, with the clamping bar, the bolt passed through the rear end of the same, the opposite spring jaws perforated to loosely receive the bolt, a handle at the upper end of the jaws, and fulcrum points at the lower ends of the same, of the coiled springs mounted on the bolts between the jaws and bar and the eccentrically pivoted lever having a lower bearing end for operating on the jaws, substantially as specified. 7th. In a floor clamp, the combination, with the clamping bar, the transverse bolt, the opposite spring jaws, means for operating the jaws, and fulcrum points at the lower ends of the jaws, of the compoundly curved anchoring lever pivoted between the jaws, said lever terminating at its rear end in a half round toothed anchoring head, a stop at the front end of the lever, and a staple mounted over the lever and upon the clamping bar, substantially as specified. 8th. In a floor clamp, the combination, with the clamping bar, the pivoting bolt, the handle and bayonet shaped spring jaws perforated to receive the bolt and embracing the clamping jaw, of means for opening and closing the jaw and pointed and threaded set screws adapted to serve as fulcrums, mounted in the lower ends of the jaws, substantially as specified.