

No. 33,856. Machine for Playing Games of Chance. (*Machine pour jouer les jeux de hazard*).

Anthony Harris, Middlesborough, Eng., 4th March, 1890; 5 years.

Claim.—1st. An apparatus for playing games of chance or the like, in which the weight or impact of a predetermined coin automatically imparts to the rotatable member or an indicating device an uncertain amount of rotation in one direction, substantially as described. 2nd. A machine for playing games of chance or the like, in which the movable member of a suitable indicating or exhibiting device is connected with a ratchet wheel or its equivalent, such as described, which is driven in one constant direction by the successive forward strokes of a split pawl, the said split pawl being mounted upon or connected with the vibratory armature of an automatic electric circuit making and breaking device, the coil or coils of which is comprised in an electric circuit having a pair of contacts which stand normally open, but are adapted to be closed for a short time on the insertion of a predetermined coin into the machine, through the medium of suitable balanced mechanism operated by said coin, substantially as described. 3rd. In a machine for playing games of chance, exhibiting pictures or the like, the combination of parts consisting of a ratchet wheel or its equivalent, such as described, movable synchronously with the movable member of the indicating or exhibiting device, a vibratory or reciprocal piece adapted to be operated directly or indirectly by the user or its equivalent, and a split pawl spring pivoted upon the said vibratory or reciprocal piece, and adapted to engage and rotate the said ratchet wheel stroke, but to slip over the periphery of the same at each return stroke, substantially as described. 4th. In a machine of the kind wheel or its equivalent, such as described, and of a split pawl suitably mounted in proximity to said wheel upon the vibratory armature of an automatic electric circuit making and breaking device, and adapted to engage the wheel and rotate its spindle in one constant direction whenever the said armature is caused to vibrate, substantially as described.

No. 33,857. Tetter. (*Escarpolette*).

Robert E. Stewart, Toronto, Ont., 4th March, 1890; 5 years.

Claim.—1st. In a tetter as an amusement for children, a lever arm suitably formed at one end to support a seat provided with a suitable lazy-back and tie strap, and at the other end divided into two legs equally divergent laterally and doubly divergent in depression from the line of said arm, provided on the upper side at the angle therein with a web having a number of holes into one of suitable support, substantially as shown and described and for the purpose specified. 2nd. In a tetter, the legs converging upwards and web thereon, providing means for a changeable leverage on an attached spiral spring suitably secured at its opposite end, and exerting said seat having a lazy-back and tie strap, substantially as shown and described and for the purpose specified. 3rd. In a tetter, and attached at its lower end to a web, providing changeable leverage to an arm on which it is formed, said arm divided into divergent legs depressing at an angle therefrom, and supporting on its opposite end a suitable seat having a lazy-back and tie strap, and reversible on the end of said arm, substantially as shown and described and for the purpose specified. 4th. In a tetter, the seat provided with a lazy-back and tie straps, and reversible on its support on the end of an arm divided at its opposite end into legs laterally and equally divergent and vertically depressing from the line of said arm, providing holes providing changeable leverage on a suitably attached spiral spring secured at its opposite end, substantially as shown and described and for the purpose specified.

No. 33,858. Clamping Mechanism for Wood Working Machines. (*Clameau de scierie*).

Joseph Balsey, Seymour, Ind., U. S., 4th March, 1890; 5 years.

Claim.—1st. In a clamping or dogging mechanism for sawing machines, the combination, with a stationary lumber supporting table 2 formed with a transverse slot 4, and provided with a guide on its rear edge, of a movable stop or dog 9 arranged and supported said stop or dog, substantially as and for the purpose specified. 2nd. In a clamping or dogging mechanism for sawing machines, the combination, with the main frame 1 and the movable saw-carriage 6, of slot 4, and provided with a guide groove 8 at one side of said slot, and a vertical strip or flange 3 on its rear edge, of a sprocket-chain 10 lower end within said guide groove, and means for operating said chain and dog, substantially as and for the purpose described. 3rd. In a clamping or dogging mechanism for sawing machines, the combination, with a stationary lumber supporting table 2 formed with a transverse slot 4, and provided with a guide groove 8, at one side of said slot, and with a vertical strip or flange 3 on its rear edge, of a sprocket chain 10 and a vertical movable stop or dog 9 arranged and supported at its lower end within said guide groove, and a described. 4th. In a clamping or dogging mechanism for sawing machines, the combination, with a stationary lumber supporting table 2 formed with a transverse slot 4 and provided with a guide groove 8 at one side of said slot, and with a vertical strip or flange 3

on its rear edge, of a sprocket chain 10, a vertical dog 9 arranged and supported at its lower end within said guide groove, a partly cogged sprocket wheel 11, the shaft 12 upon which it is fixed, and the weight 19 also secured to said shaft, substantially as and for the purpose described. 5th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, substantially as described. 6th. The combination, with a transversely slotted table provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a bell crank lever 18, substantially as described. 7th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a bell crank lever 18, a chain or band 15 connecting said wheel and lever, and the saw carriage 6 for operating said lever, substantially as described. 8th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a bell crank lever 18, a chain or band 15 connecting said wheel and lever, and provided with a spiral spring 16 intermediate of its inner end, and the vertical arm 17 of said lever, and the saw carriage 6 for operating said lever, substantially as described. 9th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a pivoted bell crank lever 18 having a vertical arm 17 and a long rearwardly projecting arm 21, a chain or band 15 connecting the vertical arm of said lever and wheel, and a saw carriage 6 for depressing and releasing the long arm of said lever, substantially as described. 10th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a pivoted bell crank lever 18 having a vertical arm 17 and a long rearwardly projecting arm 21, a chain or band 15 connecting said wheel and the vertical arm of said lever, and provided with a spiral spring 16 intermediate of its inner end and the upper end of the vertical arm of said lever, and the saw carriage 6 for depressing and releasing the long arm of said lever, substantially as described. 11th. The combination, with a vertical stationary strip or flange 3, a movable stop or dog 9, and a sprocket chain 10 attached to said dog, of means for actuating said dog and chain, said means including a pivoted bell crank lever 18 provided with a vertical arm 17, and a long rearwardly extending arm 21 having a straight portion 23 and a curved rear end, and a saw carriage 6 for operating said lever, substantially as described. 12th. The combination, with a vertical stationary strip or flange 3, a movable stop or dog 9, and a sprocket chain 10 attached to said dog, of means for actuating said dog and chain, said means including a pivoted bell crank lever 18 provided with a vertical arm 17 and a long rearwardly extending arm 21, having a straight portion 23 and a curved rear end, and a saw carriage 6 for operating said lever, substantially as described. 13th. The combination, with a transversely slotted table 2 provided with a vertical strip or flange 3 on its rear edge, of a movable dog 9, a sprocket chain 10 secured thereto, a partly cogged sprocket wheel 11, a shaft 12 upon which said wheel is fixed, another wheel 14, and a weight 19 also fixed to said shaft, and means for partially revolving said shaft and wheels from the saw carriage, said means including a pivoted bell crank lever 18, provided with a vertical arm 17 and a long rearwardly extending arm 21, having a straight portion 23 and a curved rear end, and a saw carriage 6 provided with an anti-friction roller 22 and a guide groove 24, substantially as described.

No. 33,859. Cash Carrier. (*Chien de magasin*).

Joseph M. Caille, East Saginaw, Mich., U. S., 4th March, 1890; 5 years.

Claim.—1st. In a store service apparatus, the combination, with the taut wire and the car adapted to travel thereon, of a spool or drum located above the wire, a cord or strap engaged to said drum and adapted to be wound thereon, said car having a projection for engaging the loop of said cord or strap, and means for revolving the spool or drum, the construction being such that, when the spool or drum is revolved, the cord or strap will be wound upon the drum and the car be projected over the wire, substantially as described. 2nd. In a store service apparatus, the combination, with the taut wire and the car adapted to travel thereon, of a spool or drum located above the wire, a cord or strap adapted to be wound thereon, said car having a projection for engaging said cord or strap, and an actuating cord or strap engaged to said spool or drum and adapted to revolve the same, substantially as described. 3rd. In a store service apparatus, the combination, with the car, of the actuating spool or drum E and cord or strap G, said car having a hooked projection for engaging the loop of the actuating cord or strap, substantially as described. 4th. In a store service apparatus, the combination, with the standard, the taut wire and the car adapted to travel thereon,