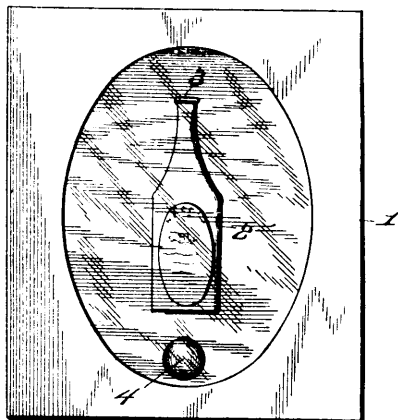


No. 61,052. Puzzle. (Jeu de patience.)



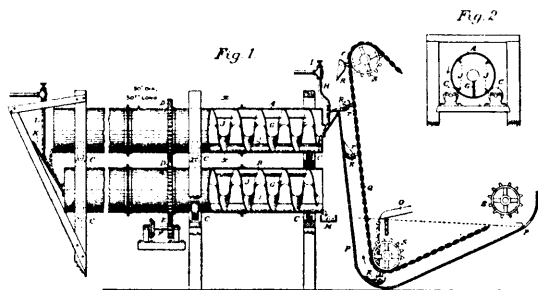
61052

Charles K. Henkelman, Baltimore, Maryland, assignee of Cyrus William Courtney, Doniphan, Idaho, U.S.A., 1st September, 1898; 6 years. (Filed 19th July, 1898.)

Claim.—1st. A game or toy having a receptacle bounded by a curved side wall, and an elongated pocket arranged coincident with a diameter of said curved wall and having a terminal inlet spaced from said wall, substantially as specified. 2nd. A game or toy having a receptacle bounded by a continuous curved side wall, and an elongated pocket arranged coincident with a diameter of said curved wall and having a terminal inlet spaced from said wall, substantially as specified. 3rd. A game or toy having a receptacle bounded by an elliptically-curved side wall, and an elongated pocket arranged coincident with a diameter of said curved wall and having a terminal inlet spaced from said wall, substantially as specified. 4th. A game or toy having a receptacle bounded by an elliptically-curved side wall, and an elongated pocket arranged coincident with the major diameter of said curved wall having a terminal inlet spaced from said wall, substantially as specified. 5th. A game or toy having a receptacle provided with an elliptical side wall and approximately parallel front and rear walls, the former being transparent, and an elongated pocket arranged coincident with the major diameter of the elliptical wall, and having a terminal inlet end arranged out of contact with said side wall and between the planes of the front and rear walls, substantially as specified. 6th. A game or toy having a receptacle provided with an elliptical side wall and approximately parallel front and rear walls, an elongated pocket coincident with the major diameter of the elliptical wall, with a terminal inlet end spaced from said walls, and a divisible object of a size in excess of the inlet-opening of said pocket, substantially as specified. 7th. A game or toy having a receptacle provided with an elliptical side wall, an elongated bottle-shaped pocket arranged coincident with a diameter of the elliptical wall, and having a terminal inlet-opening at the extremity of its neck, and a movable object of mercury, located in the receptacle, substantially as specified.

No. 61,053. Leaching and Separating Apparatus.

(Appareil à lessiver et à séparer.)



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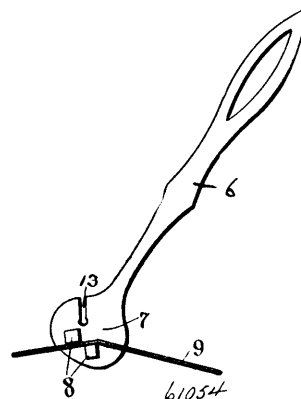
The California Agitating and Leaching Machine Company, assignee of Philip Somerville, both of Bishop, California, U.S.A., 1st September, 1898; 6 years. (Filed 8th February, 1898.)

Claim.—1st. A leaching and separating apparatus, consisting of a plurality of barrels, supported horizontally one above the other, means by which said barrels are rotated, spirally disposed flanges fixed to the inner periphery and extending from end to end of the barrel forming sluices therethrough, means for supplying material to one end of the upper barrel, and means for directing it from the discharge end of said barrel into the receiving end of the second

barrel. 2nd. A leaching and separating apparatus, consisting of a plurality of barrels, supported horizontally one above the other, means by which said barrels are rotated, spirally disposed flanges fixed to the inner periphery and extending from end to end of the barrel forming sluices therethrough, means for supplying material to one end of the upper barrel, means for directing it from the discharge end of said barrel into the receiving end of the second barrel, with ribs extending transversely between the riffles at intervals, as described. 3rd. An apparatus for leaching and separating, consisting of horizontally disposed rotating barrels situated one above another, said barrels having spiral flanges extending from end to end and projecting from the periphery toward the centre, screens fitting between said flanges and between the centre and the periphery of the barrel and concentric therewith, substantially as described. 4th. A leaching and separating apparatus, consisting of horizontally disposed, rotary barrels situated one above the other, with means for delivering material into the first barrel and from the first barrel to the second, a washing tank into which the material is first delivered, an endless chain and buckets passing through said tank and adapted to drain the water from the material and discharge the material automatically into the upper barrel. 5th. In an apparatus of the character described, a tank into which the material to be treated and the water are delivered, an endless chain and direction pulleys therefor, buckets suspended from the chain so as to be drawn along the bottom of the tank and be filled, said buckets maintaining a contact along the side of the tank whereby they are turned to drain off the water, and means for discharging the buckets when they reach the top of the tank.

No. 61,054. Wire Fence Tool.

(Outil pour clôtures en fil de fer.)



Hugh W. Denison and John Calvin Lowry, both of Somerset, Pennsylvania, U.S.A., 1st September, 1898; 6 years. (Filed 20th July, 1898.)

Claim.—1st. A wire-fence tool having a shank, a head carried thereon, and two angular lugs projecting from one face of the head and arranged in proximity with each other, and lugs having portions cut away at their corners to produce plane surfaces, by which angles may be formed in the wire as the wire is crimped by the action of the tool. 2nd. A wire-fence tool having a head, a shank carrying the head, the head being provided with a slot extending through to one edge thereof, a splicing-lug projecting from one side of the head adjacent to the inner end of the lug, and having an undercut portion, and two crimping-lugs projecting from the opposite side of the head, the crimping lugs being angular in general contour and having their edges cut away to produce plane surfaces. 3rd. A wire-fencing tool having a shank, a head attached to one end of the shank and two angular crimping lugs located rigidly on one face of head and adjacent to each other. 4th. A wire-fencing tool having a shank, a head attached to one end of the shank and having a slot therein, a splicing-lug attached rigidly to one face of the head adjacent to the slot and two angular crimping-lugs attached rigidly to the opposite face of the head.

No. 61,055. Improvements in Tension Device for Phonograph Diaphragms. (Améliorations sur les appareils de tension pour les diaphragmes phonographiques.)

Philip von Wouwermans, Theodor Fischer, Max Raphael Kaldegg and Ignaz Pulay, all of Vienna, Austria, 1st September, 1898; 6 years. (Filed 2nd November, 1897.)

Claim.—1st. In phonographs, for the purpose of obtaining a constant intimate contact and a uniform pressure between the reproducing pin and the recording knife on one side and the phonogram roller on the other side, a device which simultaneously with the above objects produces the tension of the phonograph diaphragm, said device consisting of a weight *d*, carrying the lever *f*, of the record-