

No. 36,088. Apparatus for Heating Water, etc., on a Lamp. (*Appareil pour réchauffer l'eau, etc., sur une lampe.*)

John Ptolemy, Winnipeg, Manitoba, Canada, 9th March, 1891; 5 years.

Claim.—1st. The shell *a*, open top and bottom secured to the cup *b*, with stays *e, e*, handle *d*, and lid *c*, substantially as and for the purpose hereinbefore set forth. 2nd. An appliance for heating water, food or other substance over an ordinary lamp, having the receptacle supported by stays from the outer shell so as to form a space for the heated air to pass around the cup, substantially as and for the purpose hereinbefore set forth.

No. 36,089. Compound for Dressing and Preserving Leather. (*Composition pour le traitement et la préservation du cuir.*)

John Moorhead Jolly, Marlin, Texas, U.S.A., 9th March, 1891; 5 years.

Claim.—The herein described composition of matter to be used as a leather dressing, consisting of neat's foot oil, water, beeswax, extract of logwood, gum-arabic, petrolatum, borax, oil of citronella, and castile-soap, mixed in the proportions named.

No. 36,090. Bearing Plate for Trucks.

(*Cousinet de tourillon.*)

Edward William Mackenzie Hughes, Chicago, Illinois, U.S.A., 9th March, 1891; 15 years.

Claim.—1st. The combination of the pressed-steel center plates *A*, and *B*, having contact wearing-surfaces *E, C*, and cylindrical portions *F, D*, the said cylindrical portions being separated by the space *G*, so as to allow the rocking of the plate *A*, upon the plate *B*, in any direction, substantially as described. 2nd. Journals for bolster-beams and fifth-wheels of vehicles, consisting of plates of pressed steel the upper journal having a central cup-shaped portion with a cylindrical elevation in its bottom, and the lower journal having an outer cylindrical portion, the top of which is inclined inward to correspond with and bear against the cup-shaped portion of the upper journal, and an inner cylindrical portion rising from said inclined top, fitting within and engaging with the elevation of the upper journal, said inner cylindrical portion and elevation being each provided with a hole registering with each other for the reception of a bolt, substantially as described.

No. 36,091. Brake Beam for Vehicles.

(*Sommier de frein de voiture.*)

Edward William Mackenzie Hughes, Chicago, Illinois, U.S.A., 9th March, 1891; 15 years.

Claim.—1st. The pressed-steel brake-beam *5*, having transverse rivets *7*, substantially as described. 2nd. The pressed-steel brake-beam *5*, having transverse rivets *7*, and sleeves *8*, substantially as described. 3rd. A hollow box brake-beam pressed from a flat plate of steel directly into the form of a box, having sides, ends and back, substantially as described. 4th. A hollow box brake-beam pressed from a flat plate of steel directly into the form of a box having sides ends and back, and having the closed sides of the box curved from *G*, to *F*, as shown, substantially as described. 5th. A hollow box brake-beam pressed from a flat plate of steel directly into the form of a box, having sides, ends and back, and a strap surrounding the same and in contact with the back of the box, substantially as described.

No. 36,092. Toy, or Game. (*Jouet ou jeu.*)

Elijah Jefferson Bond, Baltimore, Maryland, U.S.A., 10th March, 1891; 5 years.

Claim.—1st. The game apparatus herein described, consisting of a board having the alphabet, and numerals, and certain signs and figures arranged as shown, in combination with a table provided with legs, and a pointer, and operated by the hand in the manner shown, and for the purpose set forth. 2nd. In a game apparatus, the combination of the board *A*, having the alphabet *B*, the numerals *C*, the words "Yes", and "No", and signs or figures with the table *D*, having legs *a, b, c, d*, and elongation *E*, forming the pointer, all constructed and arranged, as shown and described. 3rd. In a game apparatus, a table, consisting of a disk supported on legs, one of which is arranged on an elongated projection serving as an index, substantially as shown and set forth. 4th. A board for a game apparatus of rectangular shape having the letters of the alphabet in two semi-circular rows, the numerals underneath in a straight line near the bottom, two human figures, the upper corners provided with a full and crescent moon with the words "Yes", and "No", below them, all as specified.

No. 36,093. Machine for Making Metal Tubes. (*Machine à faire les tubes en métal.*)

Lewis Fulton Betts, Brooklyn, New York, U.S.A., 10th March, 1891; 5 years.

Claim.—1st. In a machine for forming metal tubes, the corresponding die sections *A*, and *B*, the former provided with the marginal projection on one side end, the angular recess on the opposite side, substantially as shown and described. 2nd. In a machine for forming metal tubes, the recessed bed plate, the bending

plates mounted thereon, and the closing die arranged to move the bending plates, the parts being combined, substantially as shown and described. 3rd. In a machine for forming metal tubes, the recessed bed plate, the bending plates mounted thereon, and having openings with inclined faces, and the closing die provided with projections arranged to enter the openings in the bending plates, and to move said plates, the parts being combined, substantially as shown and described. 4th. In a machine for forming metal tubes, the combination of a recessed bed plate, bending plates mounted thereon and having openings with inclined faces, a mandrel, a closing die, provided with projections arranged to enter the openings in the bending plates, and returning springs operating in connection with the bending plates, substantially as shown and described.

No. 36,094. Ball Valve for Hydrants and Fire Plugs. (*Soupape à boulet pour bornes-fontaine.*)

James Main Swinbourn, Middle Brighton, Colony of Victoria, Australia, 10th March, 1891; 5 years.

Claim.—1st. A ball valve for hydrants and fire plugs fitted with a spring (such as *C*), arranged to always keep it pressed tightly against its seating, substantially as and for the purposes herein described and explained and as illustrated in my drawings. 2nd. In a ball valve for hydrants or fire plugs, the combination with such ball valve (such as *A*), of a cup (such as *D*), a bridge piece (such as *F*), extending across the interior of the casing of said hydrant, in combination with a spiral or other spring (such as *C*), fitting between said cup and said bridge piece itself, substantially as and for the purposes specified and as illustrated in my drawings.

No. 36,095. Suspenders. (*Bretelles.*)

William Lowry Doran, Niagara Falls, Ontario, Canada, 10th March, 1891; 5 years.

Claim.—1st. The combination of two webs *A*, connected by a clasp *C*, having a barrel *c*, limbs *c*¹, and a piece *C*¹, provided with teeth *c*, engaging the webs *A*, clasps *C*¹, having a barrel *c*¹¹, and teeth *c*, engaging the ends *A*¹, the ends *A*¹, having the clasps *C*¹, and the link *B*, connecting the barrels of the clasps *C*, and *C*¹, substantially as set forth. 2nd. In a clasp for connecting webs, the combination of a flap *c*¹, turned into barrel shape limbs *c*¹¹, conforming to the angle of the ends of the web to be joined and doubled up longitudinally, and the teeth *c*, along the edges, substantially as set forth. 3rd. In a clasp for connecting webs, the combination of the flap *c*¹, turned into barrel shape to engage a link, the limbs *c*¹¹, conforming to the angle of the edges of the webs to be joined, and doubled up, the corner piece *C*¹, and teeth *c*, on the edges of the limbs and on one edge of the corner piece, set at a right angle to enter the fabric, substantially as set forth. 4th. The combination of the ends *A*¹, and the clasps *C*¹, the latter having a barrel *c*¹¹, adapted to engage a link, and having teeth *c*, adapted to penetrate into the fabric of the ends, substantially as set forth.

No. 36,096. Puzzle. (*Jeu de patience.*)

Paris H. Wheeler, Washington, District of Columbia, U.S.A., 10th March, 1891; 5 years.

Claim.—1st. In a puzzle of the character described, a board or table having its surface divided into a series of sections or divisions, each section or division having a separate color or other distinguishing mark, and each provided with a series of pockets, the number of pockets in each section being equal, and an extra pocket being provided in the center of the board or table, of a series of movable objects bearing colors or other distinguishing marks corresponding with the colors or marks of the sections of the board or table, substantially as described, and for the purpose specified. 2nd. In a puzzle of the character described, a board or table, the surface of which is divided into a series of divisions or spaces arranged one within the other, each of the divisions or sections being of a different color, and each provided with a series of pockets, substantially as and for the purpose specified. 3rd. The herein described puzzle, the same consisting of a board or table, the surface of which is divided into a series of divisions or sections arranged one within the other, and each having a different color or other distinguishing mark and each provided with a series of pockets, the central section having an extra pocket at the central point upon the board, and a series of marbles or other movable objects having colors or other distinguishing marks corresponding with the colors or marks of the sections of the board or table, substantially as and for the purpose specified.

No. 36,097. Hoop for Coopers Ware.

(*Cercle de tonnelier.*)

Leonard Leeds Frost, Shubert, Nebraska, U.S.A., 10th March, 1891; 5 years.

Claim.—1st. As a new article of manufacture, a hoop for coopers' ware having a plain edge and a projection or flute extending inwardly at its opposite edge, substantially as set forth. 2nd. As a new article of manufacture, a hoop for coopers' ware, having one plain edge, and an obliquely-fluted opposite edge, the inner ends of the flutes vanishing between said edges, substantially as set forth. 3rd. As a new article of manufacture, a hoop for coopers' ware having one plain edge, and an elastic opposite edge, as and for the purpose set forth.