

nation, with character members, and means for assembling and compressing them in line, of a rocking space carrier, and means for moving the latter endwise simultaneously with its rocking movement, spaces constructed to expand said line by the rocking movement of the carrier and to be at the same time carried bodily along said line by the endwise movement of the carrier, substantially as set forth. 36th. The combination, with character members, and means for assembling and compressing them in line, of a rock shaft carrying spaces constructed to expand said line by rocking movement, a relatively fixed member of the machine connected to said rock shaft by a pin and groove connection which causes said shaft to travel longitudinally as it is rocked, substantially as set forth. 37th. The combination, with character members, and means for assembling and compressing them in line, of a rock shaft carrying spaces constructed to expand said line by rocking movement, a sleeve readily secured to the machine bed and through which said shaft projects, said shaft and sleeve connected by pin and groove connection, said groove being angular to the axis of said shaft, substantially as set forth. 38th. The combination, with character members, and means for assembling them in line, of a longitudinally movable compressor shaft, a rocking space carrier carrying spaces constructed to expand said line by the rocking movement of said carrier, together with actuating mechanism constructed to first move said compressor shaft longitudinally and then to rock said space carrier, substantially as set forth. 39th. The combination, with character members, and means for assembling them in line, of a longitudinally movable compressor shaft, and a rocking space carrier carrying spaces constructed to expand said line by the rocking movement of said carrier; intermediate connecting mechanism constructed to first actuate said compressor shaft in longitudinal movement, then lock said compressor shaft against longitudinal movement, and then rock said space carrier, substantially as set forth. 40th. The combination, with character members, and means for assembling and compressing them in line, of a rotary shaft, of rock shaft, and justifying mechanism connected to the latter, said rotary shaft provided with a cam which engages with a stud projecting from a slide link which latter connects together said two shafts, substantially as set forth. 41st. The combination, with character members, and means for assembling and compressing them in line, of a rotary shaft, of a rock shaft, and justifying mechanism connected to the latter; intermediate connection between said two shafts, a treadle, a pulley loosely secured to said rotary shaft, and connection between said treadle and pulley, substantially as set forth. 42nd. The combination, with character members, and means for assembling and compressing them in line, of a rock shaft carrying a cam, and an arm actuated by said cam; a rocking space carrier, and an automatically operative lever connected to said carrier and to said arm, said carrier carrying spaces constructed to expand said line by its rocking movement, substantially as set forth. 43rd. The combination, with character members, and means for assembling and compressing them in line, of a rock shaft carrying a cam, and an arm actuated by said cam; a rocking space carrier, a rack engaged with the latter, and an automatically operative lever which actuates said rack in one direction, said arm being connected to said lever, said carrier carrying spaces constructed to expand said line by its rocking movement, substantially as set forth. 44th. A compound space having two sections, one section having a rocking movement relative to the other section, and mechanism constructed to expand the compound space by said rocking movement, substantially as set forth. 45th. A compound space having two sections, one section having a rocking movement relative to the other section, said two sections having adjacent faces constructed to expand the compound space by said rocking movement, substantially as set forth. 46th. A compound space having two sections, one section having a rocking movement relative to the other section, the two sections having engaging faces respectively inclined reversely to each other, substantially as set forth. 47th. A compound space having a disc section and a swing section, one of said sections having circular movement relative to the other, said two sections having adjacent faces which co-operate to expand the compound space by said circular movement, substantially as set forth. 48th. A compound space having a disc section and a wing section, said disc section having a circular movement relative to said wing section, said two sections having engaging faces respectively inclined reversely to each other, substantially as set forth. 49th. The combination, with character members, and means for assembling and compressing them in line, of an expansible space having a rocking section and a non-rocking section, the latter section provided with a projection and a machine member having a groove in which the projection of said non-rocking section loosely fits, substantially as set forth. 50th. The combination, with character members, and means for assembling and compressing them in line, of spaces constructed to expand said line by rocking movement, a rocking space carrier on which said spaces loosely fit, when in said line, together with a space way jointed to said carrier so that the latter may have rocking movement independent of said way, said spaces having travel on said way to and from said carrier, substantially as set forth. 51st. The combination, with character members, and means for assembling and compressing them in line, of spaces constructed to expand said line by rocking movement, a rocking space carrier on which said spaces loosely fit when in said line, together with a space way jointed to said carrier, said carrier and way having similar cross-sections constructed to be located at proper times in same planes with each other, whereby said space may

freely slide from the one to the other, substantially as set forth. 52nd. The combination, with character members, and means for assembling and compressing them in line, of spaces constructed to expand said line by rocking movement, a rocking space carrier on which said spaces loosely fit when in said line, together with a space way jointed to said carrier and having like angular cross sections therewith, said space way being inclined and constructed to cause the spaces to be assembled on said carrier by gravity travel down the way, substantially as set forth. 53rd. The combination, with character members, and means for assembling and holding them in line, of a mold chamber having an open side for presentation to said line, and having its opposite wall provided with a recess having an ingate, and a melting pot having a conduit constructed to fit in the recess with its discharge orifice communicating with the ingate, substantially as set forth. 54th. The combination, with character members, and means for assembling and holding them in line, of a mold chamber having an open front side for presentation to said line, and having its rear wall provided with a recess in which there is an ingate, said mold chamber having end portions respectively located on opposite sides of said recess, and a melting pot having a conduit to fit in the recess with its discharge orifice registering with the ingate, substantially as set forth. 55th. The combination, with character members, and means for assembling and holding them in line, of a mold chamber formed with an open front side for presentation to said line, and with a circular recess in the central portion of its rear wall having an ingate, and a melting pot having a circular conduit to fit in the recess with its discharge orifice registering with the ingate, substantially as set forth. 56th. The combination, with character members, and means for assembling and maintaining them in line, of a mold chamber formed with an open side for presentation to said line, and with its opposite wall provided with a recess having an ingate, the mold having a conduit opening communicating with the recess, and a melting pot having a conduit constructed to fit in the conduit opening with its discharge orifice registering with the ingate, substantially as set forth. 57th. The combination, with character members, and means for assembling and holding them in line, of a mold chamber having an open front side for presentation to said line, and having its rear wall provided with a recess in which the ingate is formed, the mold being composed of an upper section and a lower section, the lower section having its bottom provided with a conduit opening communicating with the recess, and a melting pot having a conduit constructed to fit in the conduit opening, and have its discharge orifice register with the ingate, substantially as set forth. 58th. The combination, with character members, and means for assembling and holding them in line, of a mold having an open front side for presentation to said line, and having a rear conduit opening angular to the mold chamber, said conduit opening having front and rear walls formed straight sided and inclined towards each other for a certain portion of their length, and a melting pot having a discharge conduit in counterpart to and constructed to closely fit between said inclined portions of said front and rear walls, substantially as set forth. 59th. The combination, with character members, and means for assembling and holding them in line, of a mold having an open front side for presentation to said line, and having a rear conduit opening angular to the mold chamber, said conduit opening having front and rear walls formed straight and inclining towards each other in their portions which are located in the same plane with the mold chamber, and a movable melting pot having a conduit formed in counterpart to and constructed to be detachably wedged in between said inclined wall portions with its discharge orifice registering with the mould ingate, substantially as set forth.

No. 38,380. Car Coupler. (*Attelage de chars.*)

Nicholas Sedore, Town of LeTellier, Manitoba, Canada, 3rd March, 1892; 5 years.

Claim.—In a car coupling, the tongue B, having the squared hole b, in combination with the bail C, having, on one of the outer arms, the squared part c', which fits said tongue hole b, and the journals c c, which turn in the sides of the drawhead, substantially as shown and described.

No. 38,381. Manufacture of Candy.

(*Fabrication de bonbon.*)

William Peter Kirchoff and James William Kirchoff, both of New Orleans, Louisiana, U.S.A., 3rd March, 1892; 5 years.

Claim.—1st. The improved process or method of manufacturing candy, consisting in cooking a mixture or compound of cane sugar and grape sugar, or glucose, in vacuo, to a consistency less than that appropriate for the production of the candy demanded, and consequently boiling or cooking this already boiled product, consisting of the partly evaporated compound of cane sugar and grape sugar, or glucose, in an open vessel, or under normal atmospheric pressure, until it acquires a consistency suitable for the production of the candy required, substantially as described. 2nd. The improved process of manufacturing candy, consisting in cooking compound or mixture of cane sugar and grape sugar, in vacuo, and then boiling or cooking the partly evaporated product in an open vessel until it arrives at a proper consistency, substantially as described.