coin-operated liquid-vending apparatus, the combination of an oscillatory vessel or tipper, a supply-pipe leading from a suitable reservoir or tank, and having an automatic valve, a float operating reservoir or tank, and having an automatic valve, a float operating in said vessel and connected to the valve, a water-chamber arranged to deliver a predetermined quantity to said vessel, and a water-supply pipe leading to the water-chamber, substantially as and for the purpose described. 11th, In a coin-operated liquid-vending apparatus, the combination of an oscillatory vessel or tipper, a water-chamber having an independent supply-pipe, and arranged to deliver its contents to said vessel, a supply pipe leading from a beverage tank and having an automatic valve, a float operating in the vessel and connected to said valve, a lever controlled by the float and having a coin-detaining plate at one end, an elevated chamber intermediate the beverage-tank, and its supply pipe, and a float in said chamber having a rod which connects with the lever, all arranged and combined for service, substantially as described, for the purpose set forth. purpose set forth.

## No. 34,967. Coin-Operated Liquid-Vending Apparatus. (Appareil actionné par une pièce de monnaie pour la vente des liquides.)

Henri Schloesing and Benjamin Degrement, Marseilles, France, 3rd September, 1890; 5 years.

Apparatus. (Appareil actionné par une prièce de monnaie pour la vente des liquides.)

Henri Schloesing and Benjamin Degremont, Marseilles, France, 3rd Soptember, 1890; 5 years.

Claim.—1st. In a coin-controlled liquid-vending apparatus, the combination of a delivery pressure-cylinder, a valve-chest communicating with said cylinder, and having an automatic valve, a coin-controlled lever connected with said vulve to automatically open through the valve obset, and mercine pressure cylinder is emptied, all arranced and combined for service, substantially as and for the purpose specified. 2nd. In a coin-controlled liquid-vending apparatus, the combination of pressure cylinder is emptied, all arranced and combined for service, substantially as and for the purpose specified. 2nd. In a coin-controlled liquid-vending apparatus, the combination of pressure cylinder, a coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever to be maintained thereby in a normally-closed coin-operated lever and the part of the purpose described. 3nd. In a coin-controlled liquid-vending apparatus, a pressure cylinder having an outlet at or near its lower portion, and a piston operating in said cylinder and provided with an inite port and a piston porating in said cylinder and provided with an inite port and a piston profession operated lever connected to said valve with a coin-controlled liquid-vending apparatus, and a coin-operated lever connected to said valve with a pressure cylinder, a valve, of a coin-operated lever having a pressure cylinder, a valve, of a coin-operated lever having a trip-pawl, and a lever connected to said valve and normally suspopred by said trip-pawl, all arrang

liquid vending apparatus, a fixed coin receiver having a longitudinal coin passage, and a series of transverse openings which intersect said longitudinal passage, and extend through one side, and the bottom of the coin passage, combined with a counterbalanced plate fitted in each of said transverse openings at the base of the coin passage, and forming a continuation of the bottom thereof, a series of levers, each of which carries one of the plates, and a common fixed support on which all the levers of the series are fulcrumed, substantially as described. 13th. In a coin-operated liquid-vending apparatus, the combination, with a coin receiver and counterbalanced plate of a float-receptacle which communicates with the source of liquid supply for the vending apparatus, and a float connected by intermediate devices with said counterbalanced plate to hold the latter against movement under the weight of a coin, substantially as and for the purpose described. 14th. In a coin-operated liquid-vending apparatus, the combination, with a coin receiver, of a plate carried by a counter-balanced lever, a float-receptacle having a rock-shaft journaled in one end thereof, a float, an arm carried by the rock-shaft and the counterbalanced lever, substantially as described. liquid vending apparatus, a fixed coin receiver having a longitudinscribed.

## No. 34,968. Variable Hose Nozzle.

(Lance de tuyau en caoutchouc, variable.)

Charles Wright Pearsall, Syracuse, N.Y., U.S.A., 3rd September,

Charles Wright Pearsall, Syracuse, N.Y., U.S.A., 3rd September, 1890; 5 years.

Glaim-1st. A hose nozzle body, provided with a variable or circum-rotary discharge mouth-piece, comprising, forwardly, a tubular discharge stem, and, rearwardly, a hemispherical, or oup-shaped, shell portion, that is adapted through the direct forward pressure of fluid against its interior concave surface, to move longitudinally forward against and in direct contact with the circum-adjacent forward by portion, creating an air and water-tight joint or union thereat, devoid of packing, and adapted through the cessation of the fluid pressure against its inner concave surface, to recede out of direct contact with the forward circum-adjacent body portion, all constructed and operating together, substantially as described. 2nd. A variable hose-nozzle, consisting of a main or body portion, comprising the tubular stem, threaded at its rear extremity, and terminating forwardly in a substantially hemispherical shell portion integril with said stem, and threaded at its forward extremity, and terminating forwardly in a substantially hemispherical shell portion integril with said stem, and threaded at its forward extremity, and an hemisphero segmental retaining ring threaded at its rear end, and screwed to the forward threaded extremity of the hemispherical shell portion of the nozzle-body, an hemispherical shell portion lying movably within the semi-globular chamber, created by the attachment together of the hemispherical shell portion and detachable hemisphero retaining ring of the nozzle body portion, and adapted to forward, rearward, and circum-rotary movement therein, the said portion terminating forwardly in a variable nozzle mouth piece, and provided at its forward extremity with a discharge mouth or orifice, all said parts being combined and operating to gether, substantially as herein specified. 3rd. In a variable hose nozzle, the main or body portion A, comprising the threaded hemispherical shell portion c, integral therewith, and exte

## No. 34,969. Car Coupling. (Attelage de chars.)

John M. Burden, Huntsville, Ky., U. S.A., 4th September, 1890; 5 years.

years.

Claim.—1st. In a car coupling, a draw-head, comprising a body or main section B, having a flared forward end, provided in its upper side with a recess B¹, and having a groove B², extending between the said recess B¹ and the flared forward end, and the spring-actuated section C, hinged to section B, having a flared forward end provided in its under side with a recess C¹, and having a groove C² extending from recess C¹, forward to the front flared portion, all substantially as and for the purposes set forth. 2nd. The combination, of the body or main section, the section C, the shaft F, having a bevel-gear f¹, a connection between shaft F and section C, and the shaft G, having a