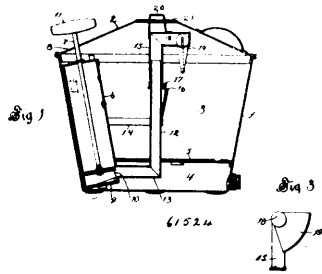
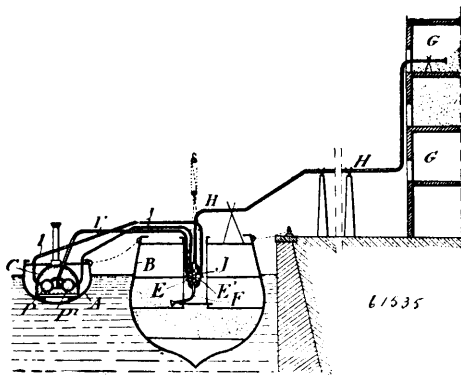


No. 61,534. Dish Cleaner. (*Machine à laver la vaisselle.*)

Monroe D. Colbath, Easton, Maine, U.S.A., 26th October, 1898; 6 years. (Filed 3rd October, 1898.)

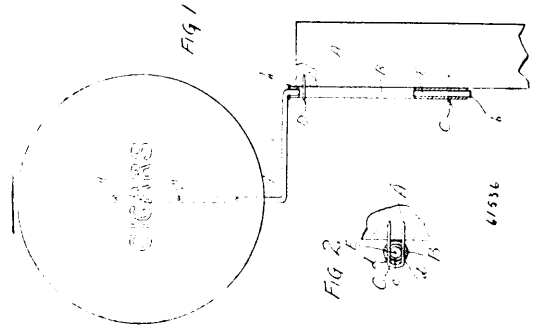
Claim.—1st. In a dish cleaning machine, a receptacle for dishes and for water, which receptacle is divided into two compartments by a perforated false bottom, a pump, which is set eccentrically in said receptacle, a stand pipe, which is erected in the middle of said receptacle, and is connected with said pump, and a rotary nozzle, which is connected with said stand pipe, and is directed obliquely downward and backward, in combination with a handle, which is connected with said nozzle, and is exposed through the cover of the receptacle, substantially as and for the purpose specified. 2nd. In a dish cleaning machine, a receptacle for dishes and for cleansing liquid, a stand pipe, which is set in the middle of the receptacle, means of supplying said liquid to said stand pipe under pressure, and rotary nozzle, which is connected with the stand pipe, and is directed obliquely downward, in combination with mechanism for controlling by manipulation the movement of the nozzle, while impelled by the reaction of the jet, substantially as and for the purpose specified.

No. 61,535. Grain Elevator. (*Monti-grain.*)

Jules Challier, 47 Rue du Faubourg, Montmartre, Paris, France 26th October, 1898; 6 years. (Filed 5th October, 1898.)

Claim.—1st. A continuous action grain elevating apparatus having two airtight chambers forming a pneumatic propeller connected on the one hand with air suction and compression pumps, and on the other with the place from which the grain is to be removed, and with that to which it is to be delivered, in combination with automatic distributing apparatus for placing each chamber in turn in communication with the air and grain suction pipes, and with the compressed air and grain delivery pipes, substantially as described. 2nd. In a pneumatic grain elevator of the kind herein described, in combination with the two airtight propeller chambers, an apparatus for distributing air and grain to and from the said chambers, which consists of pistons and obturators or slide valves connected together by means of rigid rods, the said pistons being adapted to reciprocate in the air cylinders *c c'*, and the said obturators or slide valves in the grain suction pipes *a a'*, and grain delivery pipes, *b b'*, in such manner as to place alternately one of the airtight chambers in communication with the air and grain suction pipes, and at same time the other airtight chamber with the compressed air and grain delivery pipes, substantially as described. 3rd. In a pneumatic grain elevator of the kind herein described, in combination with apparatus for distributing air and grain to and from the propeller chambers, apparatus for communicating automatically and continuously reciprocatory motion to such air and grain distributing apparatus, which consists of two pistons *h* and *i*, fixed on one rod and connected to the said distributing apparatus, one of the said pistons *h*, which serves to raise the whole distributing apparatus, being actuated by hydraulic pressure derived from another piston *l*, which is moved by the driving shaft of the air pumps, and the other of the said pistons *i*, which serves to return the said distributing apparatus to its lowest position, having its upper face constantly subjected to the

action of compressed air, substantially as described. 4th. In a pneumatic grain elevator of the kind herein described an arrangement of gear for operating the apparatus for distributing air and grain to and from the propeller chambers, which consists of a diaphragm piston placed at the bottom of each such chamber, and transmitting the weight of the grain to a lever actuating a slide valve which effects a communication between the lower face of a differential piston, connected with the distributing apparatus, and the compressed air or the exhaust, substantially as described. 5th. In a pneumatic grain elevator of the kind herein described, in combination with the two airtight propeller chambers, in apparatus for distributing the air and grain to and from the said airtight chambers which apparatus consists of cocks or valves actuated by connecting rods and oscillating wrist plates which plates are themselves operated by other connecting rods jointed to a rod which caused to reciprocate by any suitable means, substantially as described. 6th. In a pneumatic grain elevator, a continuously acting distributing apparatus which consists of two air pistons or slide valves which place the chambers of the elevator alternately into communication with a pipe from which air is constantly being exhausted and with a pipe into which air is constantly being compressed, obturators which place the said chambers alternately into communication with the space containing the grain to be raised, and which the space into which it is to be delivered, and a steam piston connected to the air pistons or slide valves and grain obturators, the said steam piston being arranged to move in a double acting cylinder to and from which steam is admitted and exhausted by means of a slide valve actuated by a retarding differential gear operated by the prime mover of the apparatus, substantially as described. 7th. In a steam actuated distributing apparatus for a pneumatic grain elevator, of the kind forming the subject matter of the sixth claiming clause hereof differential retarding gear for actuating the slide valve which distributes steam to and from the actuating cylinder, which consists of two internally toothed wheel, one of which 17 is fixed, and the other 18, which has one tooth more than the wheel 17 moveable and is mounted so as to turn freely on a shaft 5 receiving rotary motion from the prime mover of the apparatus, and of a triangular carriage 19 fixed on the said shaft 5 and having mounted on it planet pinion which gear simultaneously with the two internally toothed wheels 17 and 18, whereby the moveable wheel 18 which actuates the slide valve in the valve chest 10, is rotated to the extent of one tooth for each revolution of the driving shaft 5, substantially as described.

No. 61,536. Advertising Sign. (*Appareil de publicité.*)

Charles Alexander Jackson, Geneva, Wisconsin, U.S.A., 26th October, 1898; 6 years. (Filed 26th September, 1898.)

Claim.—1st. An advertising device, comprising an angularly bent rod, having upper and lower upright portions and an intermediate connecting portion, said lower portion being adapted for revoluble connection to a suitable support, and a plate or disc secured to the upper portion of said rod, substantially as set forth. 2nd. An advertising device, comprising a supporting cylindrical tube, a bent rod having upper and lower vertical portions and an intermediate connecting portion, said lower vertical portion being revolubly supported within said tube, a plate or disc secured to the upper vertical portion of the rod, and fastening devices for securing said tube to a suitable support, substantially as set forth. 3rd. An advertising device, comprising an angularly bent continuous rod, having upper and lower upright portions and an intermediate connecting portion, said lower portion being adapted for revoluble connection to a suitable support, and a plate or disc secured to the upper portion of said rod, with a centre of gravity of said plate or disc always at one side of and some little distance from the pivotal point of the said rod, substantially as set forth. 4th. An advertising device comprising an angularly bent continuous rod having upper and lower upright portions and an intermediate connecting portion, the upper portion of said rod being flattened on one surface, and the lower portion of said rod being cylindrical, a cylindrical tube for receiving and supporting the said lower portion of the rod, fastening devices for preventing the accidental withdrawal of the lower portion of the rod from the said tube, and a plate or disc secured against the flattened surface of the upper portion of the said rod, substantially as set forth.