No. 863,213. PATENTED AUG. 13, 1907.

M. B. PERRY.

SOAP DISPENSER.

APPLICATION FILED AUG. 24, 1906.

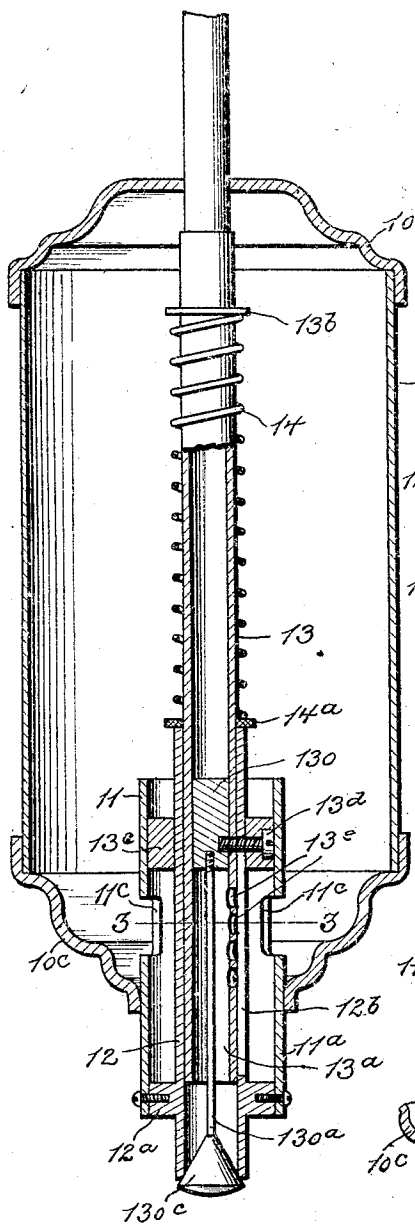


Fig. 2.

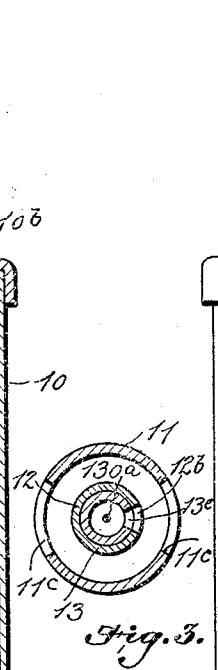


Fig. 3.

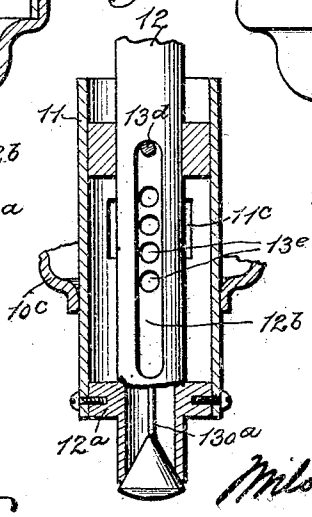


Fig. 4.

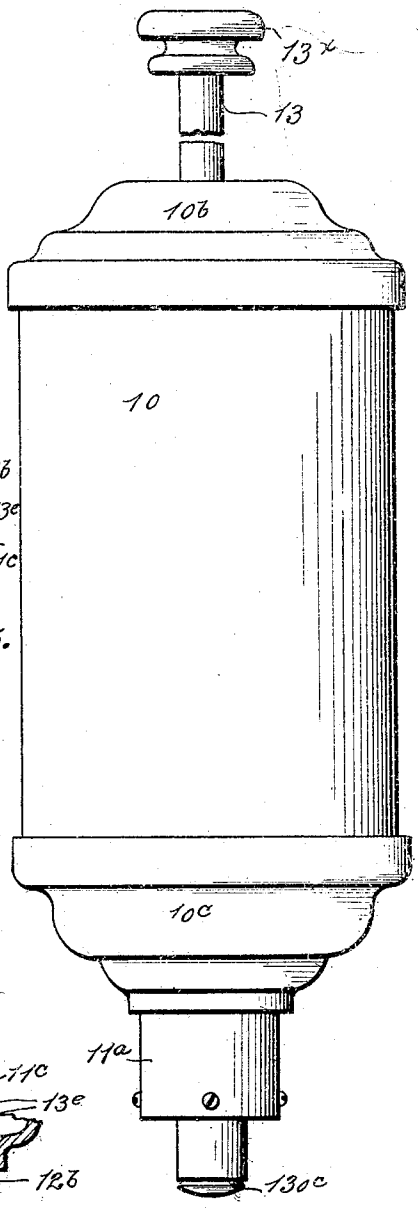


Fig. 1.

WITNESSES:

M. Aschmidt

Geo. E. Tew.

INVENTOR

Milo B. Perry

BY Milo B. Stevens & Co.

Attorneys.

UNITED STATES PATENT OFFICE.

MILO B. PERRY, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO GEORGE ECK, OF CHICAGO, ILLINOIS.

SOAP-DISPENSER.

No. 863,213. Specification of Letters Patent. Patented Aug. 13, 1907.

Application filed August 24, 1906. Serial No. 331,885.

To all whom it may concern:

Be it known that I, MILO B. PERRY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Soap-Dispensers, of which the following is a specification.

This invention is a soap dispensing device adapted to hold a supply of fluid soap and provided with means for ejecting a certain amount thereof when desired, by pressing down on the handle.

The object of the invention is to form an improved device of the kind, as will more fully hereinafter appear.

An embodiment of the invention is illustrated in the accompanying drawings, in which

Figure 1 is a side elevation thereof. Fig. 2 is a central vertical section. Fig. 3 is a cross section on the line 3—3 of Fig. 2. Fig. 4 is a detail in section of the ejecting valve or device.

Referring specifically to the drawings, 10 indicates a cylindrical reservoir provided at the top with a removable cap 10^b and at the lower end with a fixed bottom 10^c. A charging tube 11 extends from the interior of the reservoir through the bottom thereof and projects below the same as indicated at 11^a, and said charging tube is fixed in position, and has inlet openings 11^c in the wall thereof within the reservoir. Located within the tube 11 is a fixed guide tube 12 which is held in position by screws entering a collar 12^a at the lower end of the tube 11^a. The tube 12 has a vertical slot 12^b in the side thereof. This tube is located centrally within the tube 11, at a distance therefrom. A pushing rod or plunger 13 extends through the top of the receptacle, and has a tubular lower end 13^a which slides in the tube 12. At the top the plunger has a handle 13×, and it is normally lifted by a spring 14 coiled around the plunger between a collar 13^b thereon and a washer 14^a on top of the tube 12. The spring normally holds the plunger in upper or raised position. Said plunger is preferably hollow, but has a block 130 fixed at a certain position therein. The plunger has in its lower end openings 13^e which register with the slot 12^b in the tube 12. 13^e is a collar fitting in the space between the tubes 11 and 12 and held in place by a screw 13^d which passes through the slot 12^b and into the plunger. The plunger also carries a rod 130^a screwed into the block 130 and extending downwardly therefrom through the tube 12 and provided at the lower end with a tapered plug 130^c.

In use, the reservoir having been filled with liquid soap, a certain amount will enter in the tubes 11 and 12 through the openings 11^c and 13^e. On pushing the plunger down the annular piston 13^c passes openings 11^c and forces the soap contained in the tubes out through the opening at the bottom, the plug 130^c being simultaneously opened, to deliver the charge of liquid soap in the hands of the person desiring the same. On release of the plunger the spring lifts the same and closes the discharge tube at the bottom of the receptacle by means of the plug 130^c.

I claim:

1. A delivering device comprising a supply receptacle, spaced inner and outer tubes extending through the bottom of the receptacle, said tubes having openings in their sides, a plunger movable up and down in the inner tube, said plunger having at its lower end a valve controlling the discharge outlet at the lower end of the inner tube, and a piston in the space between the tubes, connected to and operated by the plunger.

2. A delivering device comprising a supply receptacle, a tube projecting through the bottom thereof and having inlet openings in its side, an inner tube having a discharge opening and fixed within the said tube at a space therefrom and having a slot communicating therewith, a plunger movable up and down in the inner tube and extending through the top of the receptacle and having at its lower end a plug valve controlling said discharge opening, and a piston in the space between the inner and outer tubes, connected to the plunger and movable up and down therewith.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MILO B. PERRY.

Witnesses:
GEORGE ECK,
W. J. ROBINSON.