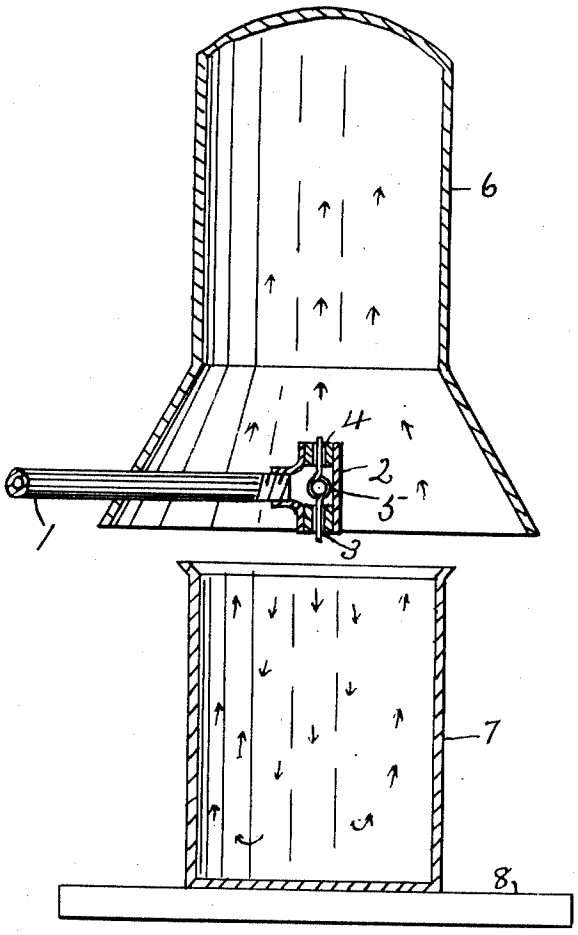
C. F. CAPELL.

RECEPTACLE CLEANER.

APPLICATION FILED JULY 16, 1920.

1,360,265.

Patented Nov. 30, 1920.



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CARL F. CAPELL, OF LOS ANGELES, CALIFORNIA, ASSIGNOR OF ONE-TENTH TO KATHERINE McNEFF BROWN AND TWO-FIFTHS TO HERBERT CUTLER BROWN, BOTH OF LOS ANGELES, CALIFORNIA.

RECEPTACLE-CLEANER.

1,360,265. Specification of Letters Patent. Patented Nov. 30, 1920.

Original application filed May 29, 1919, Serial No. 300,729. Divided and this application filed July 16, 1920. Serial No. 396,679.

To all whom it may concern:

Be it known that I, CARL F. CAPELL, a citizen of the United States, residing in Los Angeles, in the county of Los Angeles, State of California, have invented new and useful Improvements in Receptacle-Cleaners, of which the following is a specification, the same being a division of my application No. 300,729, filed May 29th, 1919, for process of canning and in canning-machines.

My invention relates to means to clean the interiors of such receptacles as cans, jars and bottles in which fruit or other material is placed for canning or storing and the object thereof is to provide a simple, efficient and inexpensive device by means of which the interior of a receptacle can be quickly cleaned, and sterilized if desired, and the dirt or other matter in the receptacle conducted away from the cleansing station.

The drawing forming a part of this application is a central vertical section of so much of my device as is necessary to illustrate my invention, showing the same applied to a can shown in central vertical section.

Referring to the drawings, 1 is the supply pipe through which the cleansing medium, which is preferably steam or hot compressed air, is conveyed from a source of supply not shown. On the end of pipe 1 is a nozzle, 2, which has a downwardly opening, port 3, and an upwardly opening, port 4. In the nozzle is a vibrator, 5, which is a piece of wire coiled with the ends projecting through the ports which is used to keep the ports from clogging when in use. It could be omitted. A refuse pipe, 6, having a flaring bottom projects away from the nozzle and carries the material removed from the can, 7, away from the cleansing position. I prefer to use steam as a cleansing medium but compressed air, preferably heated, could be used. As shown by the arrows the steam issuing from port 3 passes down into the can which rests upon bench, 8, directly below the nozzle and removes any grease or other impurity that may be in the can. A portion of the steam passes out of the nozzle through port 4, and is directed up through pipe 6, thereby acting on the injector principle to carry the steam coming up out of the can out through pipe 6, which leads it away to a place of discharge.

Having described my invention I claim,—

1. A receptacle cleaner comprising a pipe adapted to carry a fluid cleansing agent; a nozzle on the end of said pipe, said nozzle having two ports, one projecting upwardly and one downwardly; and a pipe having a flaring mouth surrounding said nozzle.

2. A receptacle cleaner comprising a pipe adapted to carry a fluid cleansing agent; a nozzle on the end of said pipe, said nozzle having an upwardly and a downwardly opening port; a vibrator in said nozzle; and a pipe having a flaring mouth surrounding said nozzle.

In witness that I claim the foregoing I have hereunto subscribed my name this 6th day of July, 1920.

CARL F. CAPELL