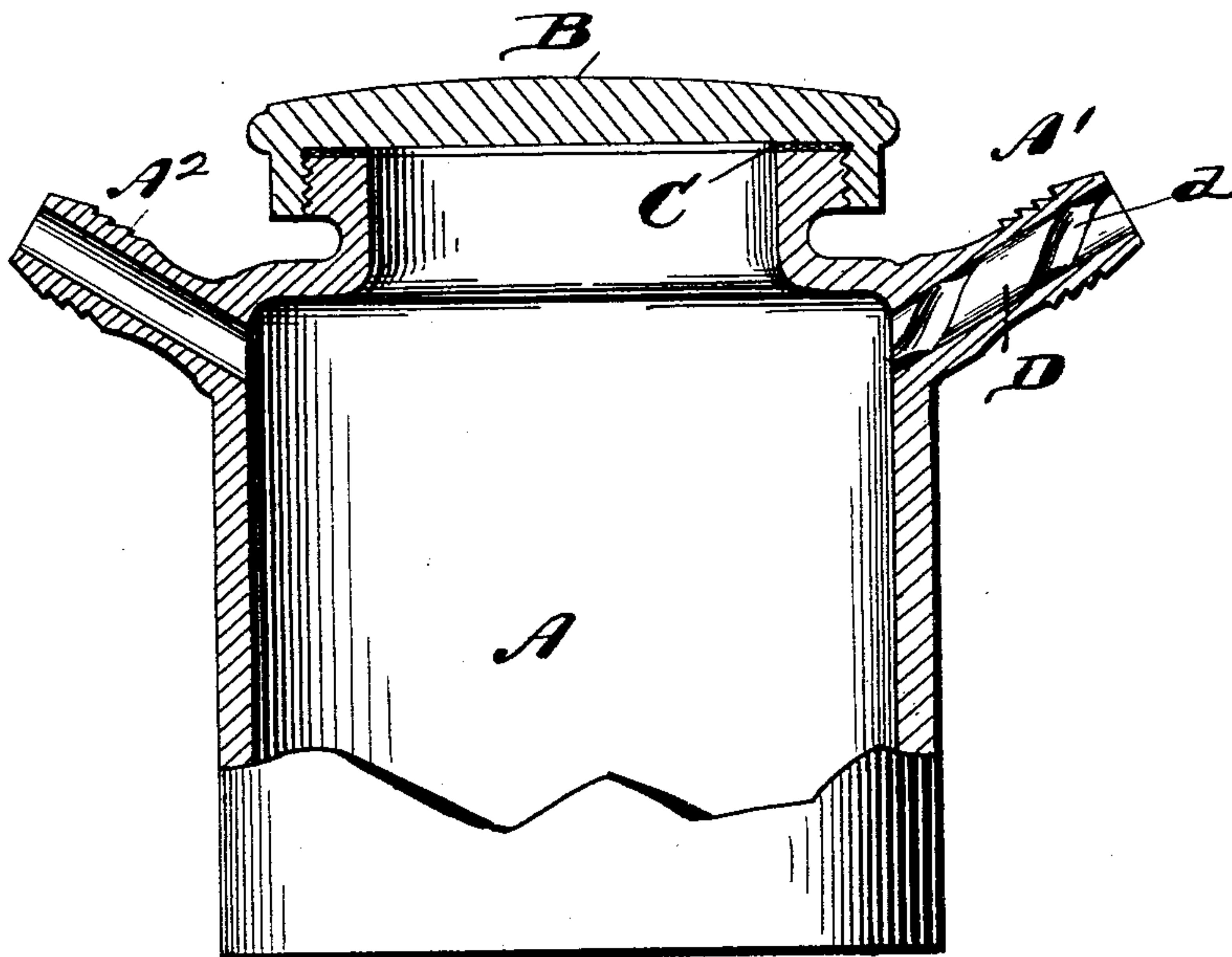


No. 746,012.

PATENTED DEC. 8, 1903.

E. M. BURROUGHS.
BEER PIPE CLEANER.
APPLICATION FILED MAR. 9, 1903.

NO MODEL.



WITNESSES
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UNITED STATES PATENT OFFICE.

EDWIN M. BURROUGHS, OF DETROIT, MICHIGAN.

BEER-PIPE CLEANER.

SPECIFICATION forming part of Letters Patent No. 746,012, dated December 8, 1903.

Application filed March 9, 1903. Serial No. 146,799. (No model.)

To all whom it may concern:

Be it known that I, EDWIN M. BURROUGHS, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Beer-Pipe Cleaners; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, which forms a part of this specification.

My invention relates to an improvement in devices for cleaning beer-pipes, shown in the drawing and more particularly set forth in the following specification and claims.

The accompanying drawing is a vertical sectional view of my invention with parts in elevation.

The object of my invention is to provide a receptacle for a cleansing compound which may be attached by hose-pipe connection with the water-main and the beer-pipes it is desired to cleanse.

Referring to the letters of reference shown on the drawing, A is the receptacle for the cleansing compound. B is a cover having a screw-threaded engagement therewith.

C is a rubber gasket placed between the cover and the top of the receptacle A.

A' and A² are pipe-nipples formed integral with the receptacle A, to which are attached the hose-pipes leading to the main and to the pipes to be cleansed. These nipples are placed on an acute angle with the walls of the receptacle A, so that the incoming stream will be directed against the opposite wall of the cup, thereby thoroughly agitating the contents of the same before passing out through the opposite nipple.

D is a plug provided with a spiral passage *d*, housed within the nipple A'. The object of this spiral passage is to give the incoming stream a rotary movement, which assists in mixing the contents of the cup.

I prefer to form both the incoming and outgoing nipples at an angle, both of which may be provided with a plug having a spiral pas-

sage *d*, if desired. By making both identical it is immaterial which side is connected with the water-main, thus avoiding the necessity of making a special examination to see how the appliance should be connected.

The operation of the invention is as follows: A suitable cleansing compound is placed in the cup and the hose-pipe connection established between it and the water-main on one side of the cup and from the cup to the beer-pipes on the opposite side. Water from the main is then admitted to the cup, the whirling motion given to the water quickly dissolving and thoroughly mixing the compound, which passes out through the beer-pipes, cleansing them of all impurities.

Having thus described my invention, what I claim is—

1. A device of the class described, comprising a cup to hold a cleansing compound, said cup having an unobstructed interior and provided near its top with externally-projected inlet and outlet nipples, the inlet-nipple being inclined inwardly and downwardly to direct the incoming stream against the lower portion of the opposite side of the cup and also provided with an internal spiral to impart a swirling motion to the stream.

2. A device of the class described, comprising a cup to hold a cleansing compound, said cup having a neck portion and an unobstructed interior and provided at the base of its neck portion with externally-projected inlet and outlet nipples, each nipple having screw-threaded ends for engagement with inlet and outlet connections, the inlet-nipple being inclined inwardly and downwardly to direct the incoming stream against the lower portion of the opposite side of the cup and also provided with an internal spiral to impart a swirling motion to the stream, and a cover removably fitted to the neck portion of the cup.

In testimony whereof I sign this specification in the presence of two witnesses.

EDWIN M. BURROUGHS.

Witnesses:

S. E. THOMAS,
MILDRED FOX.