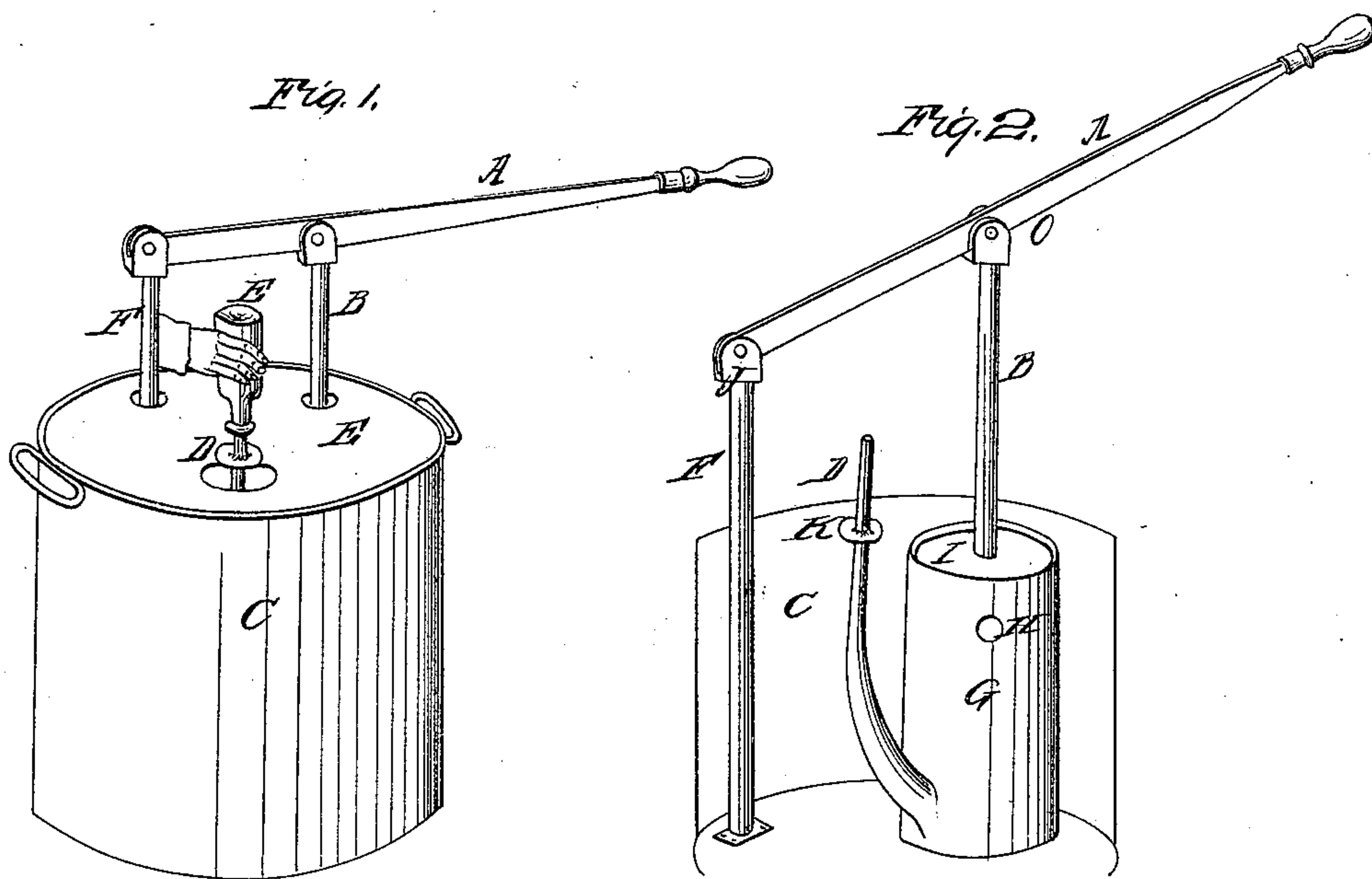


M.C. Cronk,

Bottle Cleaner,

No. 6,631.

Patented Aug. 7, 1849.



UNITED STATES PATENT OFFICE.

MUNSON C. CRONK, OF AUBURN, NEW YORK.

CLEANSING BOTTLES.

Specification of Letters Patent No. 6,631, dated August 7, 1849.

To all whom it may concern:

Be it known that I, MUNSON C. CRONK, of the city of Auburn, in the county of Cayuga and State of New York, have invented a new and useful Machine for Cleansing Mineral-Water and Beer Bottles; and I do declare that the following is a full and exact description thereof.

The nature of my invention consists in applying the principle of hydrostatic pressure to the use and purpose of cleansing mineral water and beer bottles.

To enable others skilled in the art to make and use my invention, a particular description of its construction and operation will be found as follows: The main tub, C, in the annexed drawing, marked Figure 1, is made of any size that may be required, and of brass or copper, or any other metal, which does not corrode.

The cover or top of the same, marked, E, in Fig. 1, is constructed concave, the concavity verging downward with a hole in the center, for the pipe or tube D, in Figs. 1, and 2, to pass through, and also to permit the water running back, from the bottle, to flow into the tub again. On the bottom of the tub, C, upon the inside, is soldered, or fastened firmly, the tube G, as seen in Fig. 2, of the same metal as the tub, with the upper end of said tube or pipe open, and the sides toward the top of said tube perforated, making the hole, H, in Fig. 2, and also another in the opposite side of the tube into which the water flows from the tub, C. I also solder or fasten, to the side near the bottom of said tube, G, the curved pipe or tube, D, in Fig. 2, which extends above the top or cover of the tub, three or four inches, over the upper end of which the bottle to be cleansed is placed, as shown at D, and E, in Fig. 1, and into the bottle thus placed, the heated water from the tub is thrown

with great force by means of power applied to the lever A, the piston rod, B, the piston I, and the tube and pipe above described, and particularly shown in Fig. 2.

To the bottom of the tub, C, is also fastened or soldered an upright, or perpendicular metallic post, or rod, which extends above the top or cover of the tub, terminating in a square head, J, which is mortised and to which by means of a bolt, the lever is attached, in a hinge form, thus making the fulcrum for the lever, A. The piston rod, B, is attached to the lever, A, by means of a bolt, and hinge attachment at the upper end, as shown at, O, in Figs. 1, and 2, and the lower end to the piston, which is also of metal. The piston I, exactly fits, the tube G, and is made to move easily up and down inside the said tube by means of the said piston rod, B, and the lever, A.

Just above the cover, or top, of the tub, C, I place a small metallic collar, which is soldered around the small tube or pipe D, for the bottle to rest upon, as the tube D, passes up into the neck of the bottle, which collar is perforated, on two sides as seen at K, in Fig. 2, so as to permit the air in the bottle to escape freely.

By means of this machine the heated water is thrown strongly up, into the inverted bottle, easily cutting the sediment or other deposit in the bottle, and cleansing the same, which by the ordinary modes of cleansing is very difficult and ineffectual.

What I claim as my invention, and desire to secure by Letters Patent, is—

The application of the apparatus substantially as herein set forth for the purpose of cleansing bottles.

M. C. CRONK.

Witnesses:

WM. ALLEN,
HORACE T. COOK.