

(No Model.)

W. C. BALDWIN.

BOTTLE CLEANER.

No. 264,123.

Patented Sept. 12, 1882.

Fig. 1.

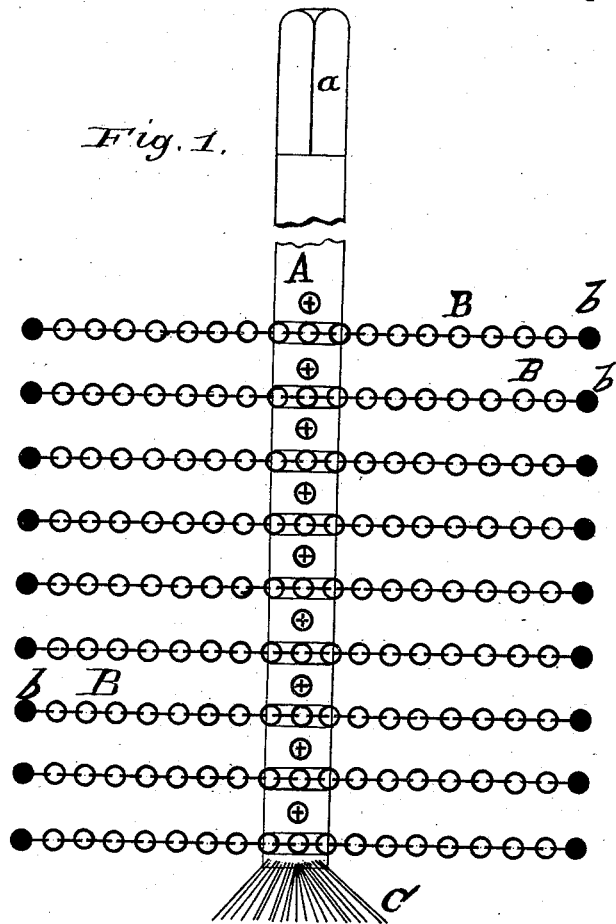
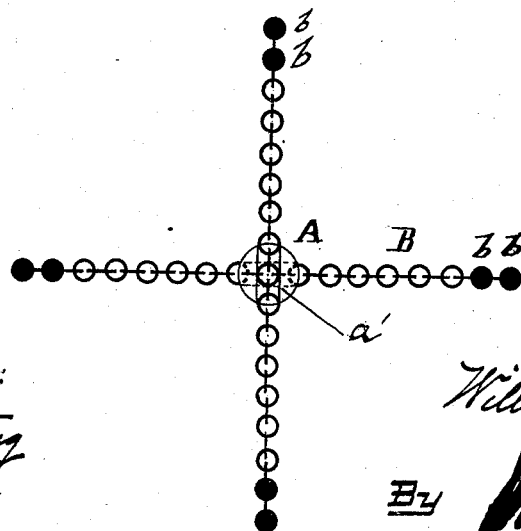


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM C. BALDWIN, OF SALISBURY, CONNECTICUT.

BOTTLE-CLEANER.

SPECIFICATION forming part of Letters Patent No. 264,123, dated September 12, 1882.

Application filed July 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. BALDWIN, a citizen of the United States of America, residing at Salisbury, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Bottle-Cleaners; and I do hereby 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to a device for cleaning hollow ware, such as bottles, glass fruit-jars, or metal cans, and other similar receptacles which have necks too small to admit of ordinary cleaning devices; and it consists in certain features, hereinafter described, and specifically set forth in the claim.

Figure I is a perspective of my invention. Fig. II is a sectional view.

Like letters refer to like parts in both figures.

A represents a shaft, which may be of wood or metal, and may be adapted, as at *a*, for attachment to mechanism for operating the same, as hereinafter described. The shaft A is perforated, as clearly shown at *a'*, in this instance the perforations running at right angles to each other. Through the perforations are drawn chains B, one or more of the links of

which at or near its ends being filled with lead, as clearly shown. To the bottom of the shaft is secured in any convenient manner a brush, C, consisting of bristles or wire or other suitable substance. It will readily be seen that the chains, being flexible, can be introduced into the bottle to be cleaned along with the shaft, and that when rotated by hand or machinery, as desired, the centrifugal forces will throw the chains outward and against the inner walls of the vessel to be cleaned, so that all portions thereof will be wiped by the chains, while the bristles C will cleanse the bottom of the vessel, insuring contact therewith at such places as the lower chains will not likely touch, but which in actual operation, when revolved slowly, will cover the entire bottom of the vessel during their rotation.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cleaner for hollow ware, consisting of a central shaft perforated through and through, and chains drawn through the perforations, and having their outer links filled, as described, and a brush or wires secured to the end of the shaft, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM C. BALDWIN.

Witnesses:

DWIGHT E. DEAN,
A. C. RANDALL.