

(Model.)

T. DAVIES.
BOTTLE WASHER.

No. 327,071.

Patented Sept. 29, 1885.

Fig. 1.

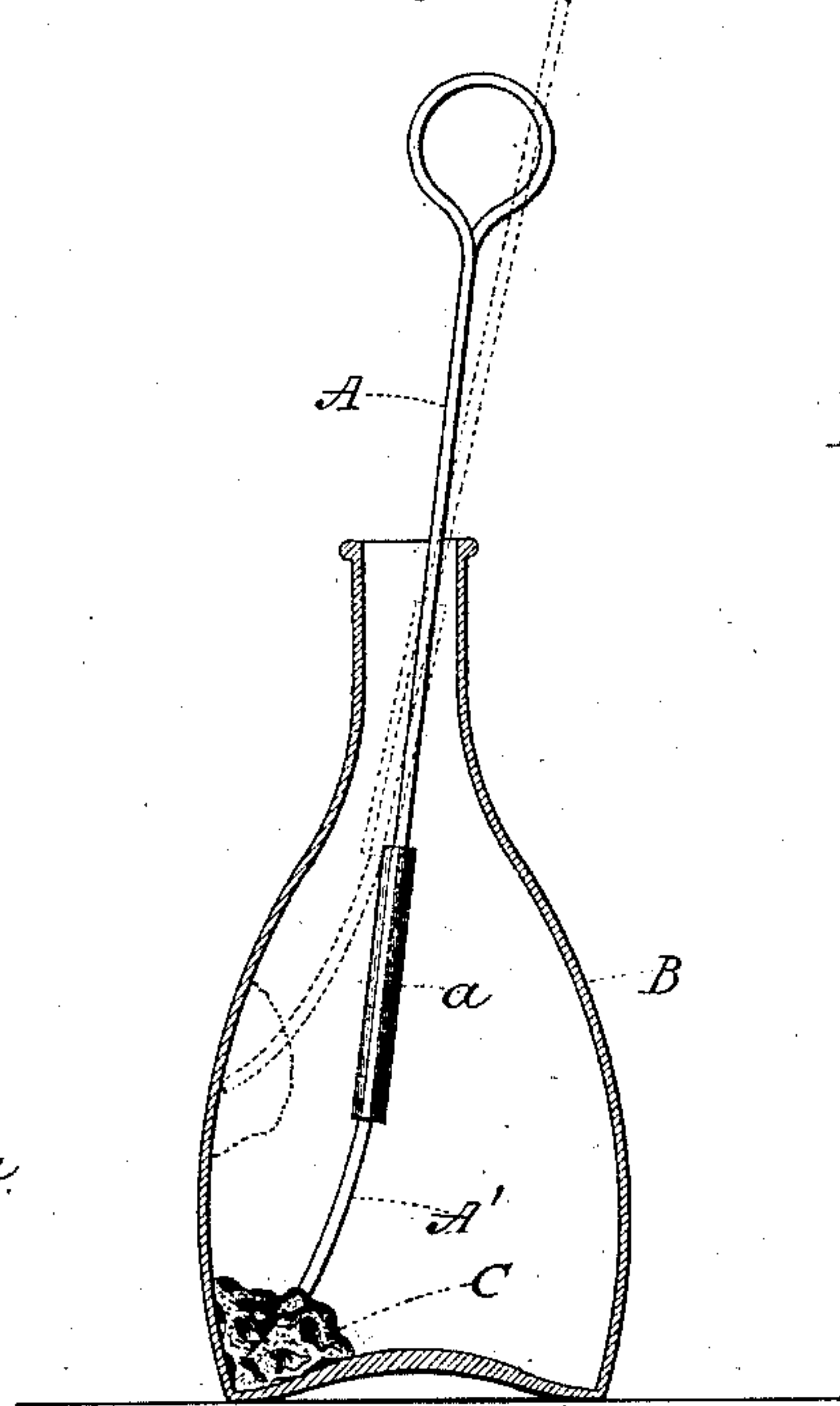


Fig. 2.

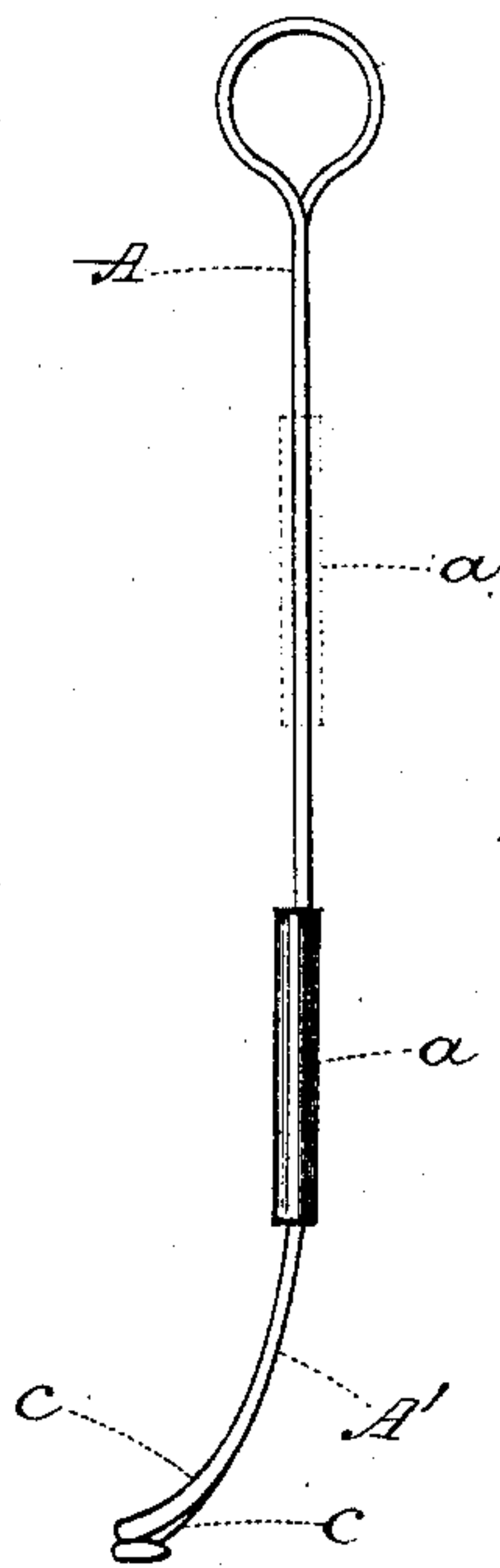


Fig. 3.

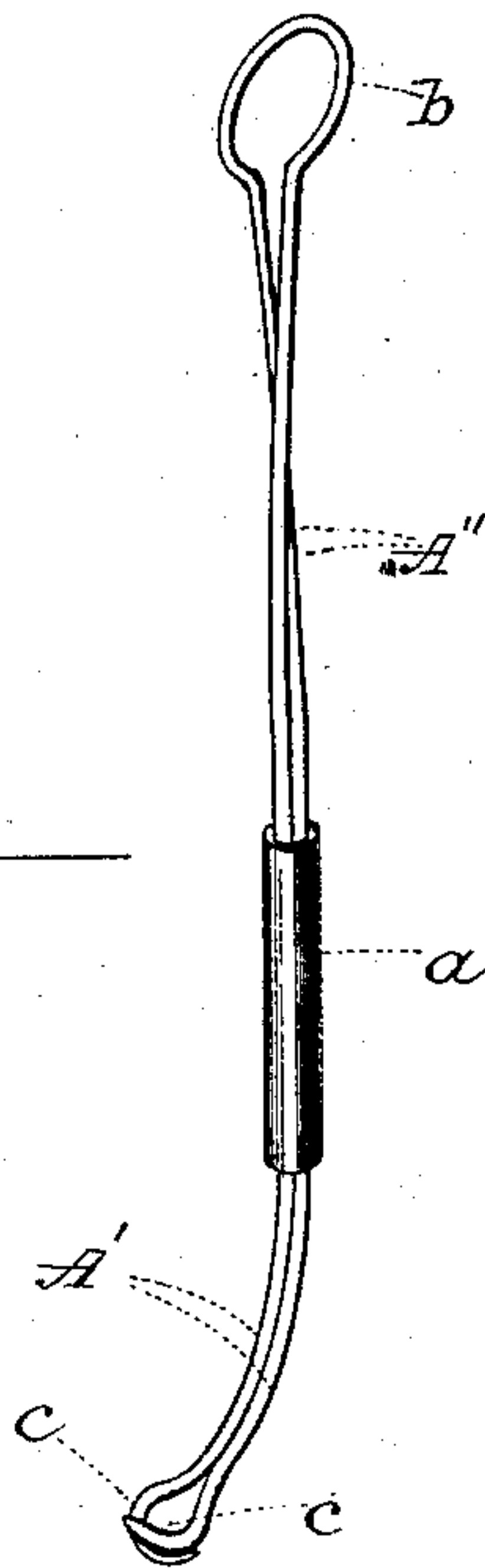
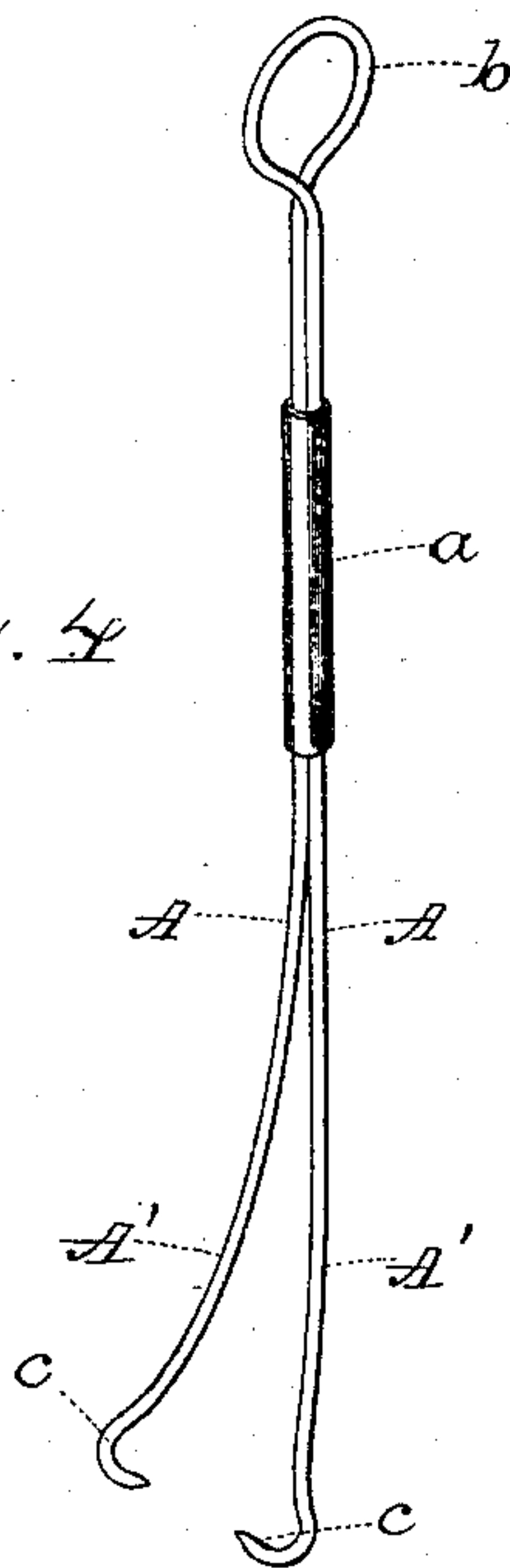


Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS DAVIES, OF POUGHKEEPSIE, NEW YORK.

BOTTLE WASHER.

SPECIFICATION forming part of Letters Patent No. 327,071, dated September 29, 1885.

Application filed March 9, 1885. (Model.)

To all whom it may concern:

Be it known that I, THOMAS DAVIES, a citizen of the United States, residing at Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Bottle Washer and Cleaner, of which the following is a specification.

My invention relates to improvements in bottle washers and cleaners; and it is so constructed that all parts of the inside of the bottle can be reached and washed and cleaned by the same instrument. It is cheap, durable, and novel, and does its work most satisfactorily.

It consists of one piece of wire, a sleeve, and a small piece of sponge. The wire may be of different lengths to suit different-sized bottles. The wire is bent, forming a ring in the middle, and from the ring the wires run, completely lapping or crossing each other to their points or ends, and then a sleeve is placed upon the wires which will easily slide upon them and hold the wires together, the lapping or crossing of the wires occurring below or above the sleeve or slide, as shown in Figs. 2 and 3, respectively, according to whether said slide is turned partly around or not. Then the points or ends of the wires are turned inward, forming teeth to grasp and hold a small sponge or cloth or other substance for cleansing the bottle. The wires are then bent in the direction of a right angle to their plane, forming a slight curve, extending up an inch or two from their points, thus enabling the sponge or cloth in their grasp to touch every part of the inside of the bottle. The teeth hold the sponge or cloth firmly, being bound together by the sleeve, which is slipped down to the curve on

the wires when the washer is used; and to remove the sponge or cloth, it is only necessary to slip up the sleeve, when it is liberated, and a new one may be put in its place. I attain these objects by the mechanism illustrated in the accompanying drawings.

Like letters indicate like parts.

Letter A shows a light bent wire in shape of a tongs with a circular top or handle, as shown by the letter *b*. *A'* and *A'* show the curves of the wire. *c* and *c* show the inward-curved points. *a* shows the movable slide. B shows a bottle.

Figure 1 shows the device in use in a bottle. Fig. 2 shows it without the sponge, with the slide *a* run down and tongs or curved points *c* closed as when in use. Fig. 3 shows the crossing or lapping of the wires and the operation of the slide in pressing the points together, as shown at *A''* of the drawings. Fig. 4 shows the instrument A with slide *a* run up near handle *b* with the curved points *c* and *c* open ready for the sponge to be inserted.

Having thus described my invention, what I claim, and desire to obtain Letters Patent for, is—

A bottle washer and cleaner consisting of a continuous wire bent to form legs, the latter lapping or crossing each other and being curved at their lower portions and bent sharply inward at their extremities, and a slide or sleeve claspings the legs, as shown and described.

THOS. DAVIES.

Witnesses:

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