(No Model.)

J. J. QUINN.

BRUSH FOR CLEANING MILK CANS.

No. 287,719. Patented Oct. 30, 1883.

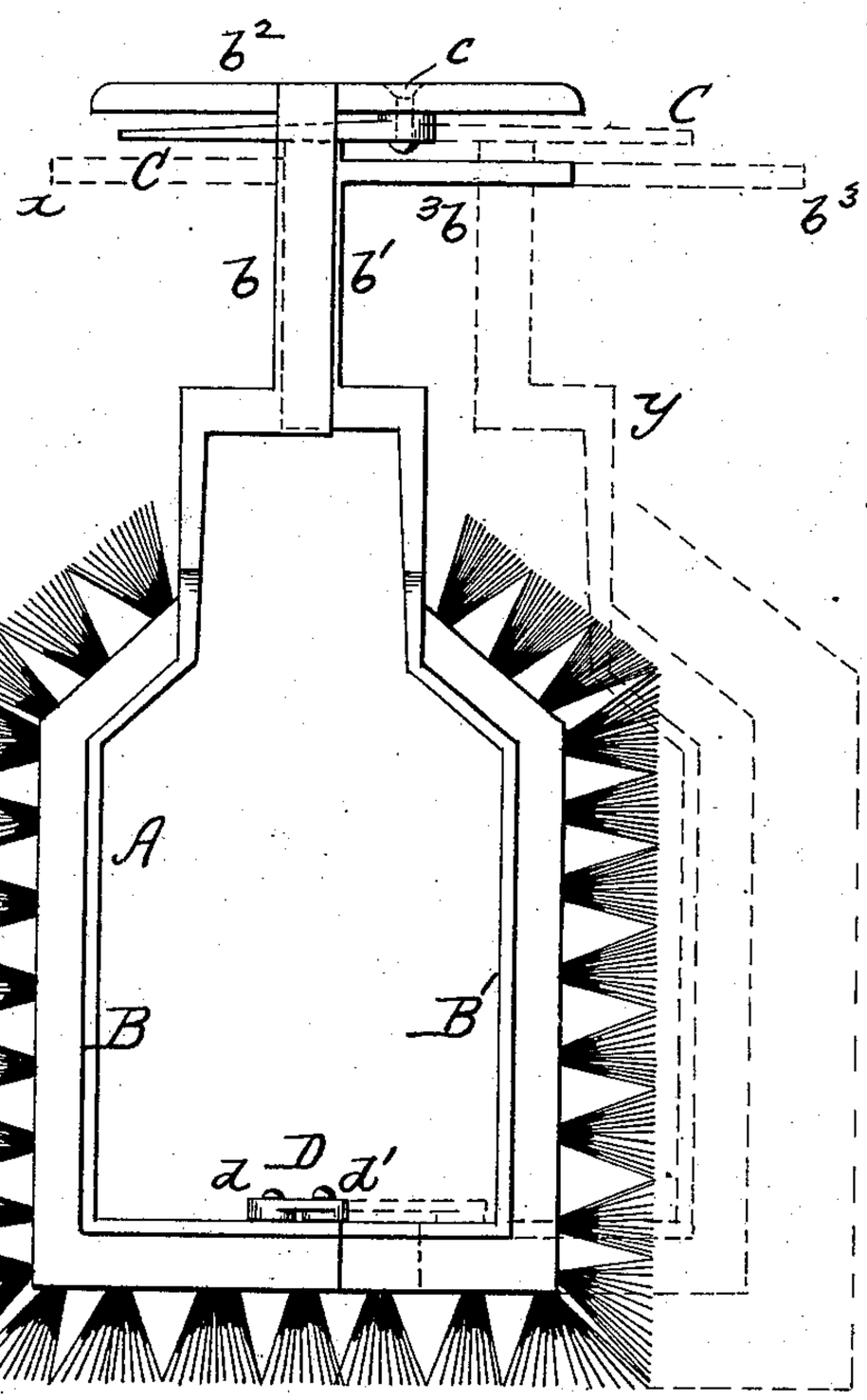

Fig. 1

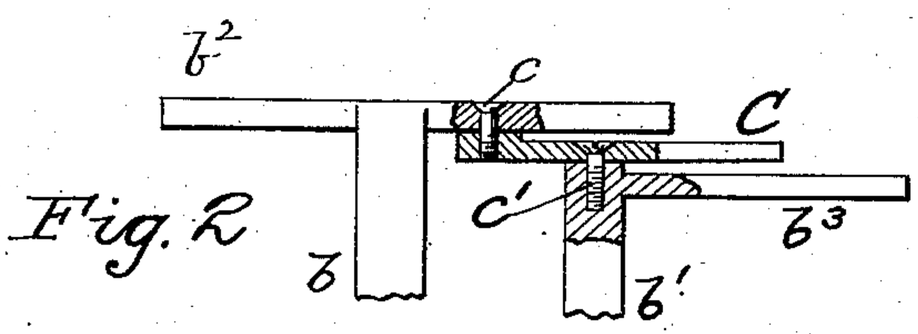

Fig. 2

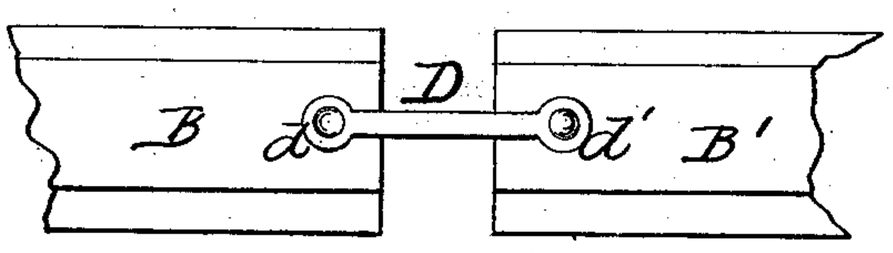

Fig. 3

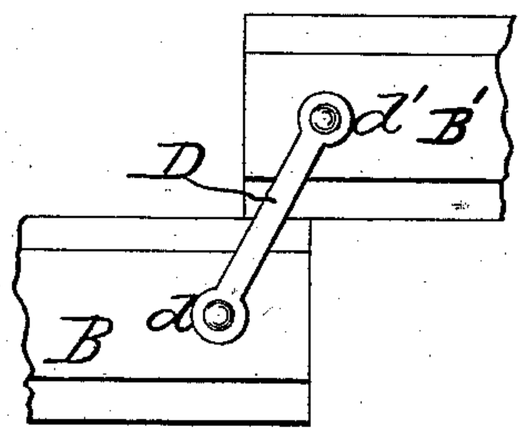

Fig. 4

WITNESSES:

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BRUSH FOR CLEANING MILK-CANS.

SPECIFICATION forming part of Letters Patent No. 287,719, dated October 30, 1883.

Application filed June 13, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. QUINN, of Burlington, in the county of Burlington and State of New Jersey, have invented a new and valuable Improvement in Brushes for Cleaning Milk-Cans; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is an elevation of my invention. Fig. 2 is a detail sectional view, and Figs. 3 and 4 are broken detail plans.

My invention has relation to brushes for cleaning milk and other cans; and it has for its object to provide a folding and extensible brush.

My invention accordingly consists of a two-part brush so jointed together and otherwise constructed, as hereinafter specifically described and claimed, that it may be folded for insertion into a can, and which, when opened, may be extended to fit the size or diameter of the can and come in contact with its sides, thereby insuring an effectual cleaning of the same.

In the drawings, A represents my improved brush, composed of two parts or sections, B B′, having an outline substantially similar to that of a milk or other can which is to be cleansed. Said parts are provided with arms *b b′* and handles b^2 b^3, respectively, and are joined or hinged to each other at their bottoms by a link, D, having pivotal connections *d d′* therewith.

To the handle b^2 is pivoted, at *c*, a lever or link, C, which in turn is pivoted or fulcrumed at C′ to arm *b′* or handle b^3 of part B′, thereby securing the two parts of the brush together by link mechanism, so that by turning the lever C to the right the part B is moved away from the part B′, as shown by dotted lines *y* in Fig. 1, or full lines, Fig. 2. One part of the brush is thereby capable of being extended from the other, so as to provide an extension-brush, to suit different diameters of cans.

The full lines of Fig. 1 show the brush in a closed position, while Fig. 4 indicates the position of the link D when said brush is closed. Fig. 3 illustrates the position of said link when the brush is fully extended.

By moving both parts of the brush about the links C D said parts fold upon each other, as represented by the dotted lines *x*, Fig. 1.

The operation is as follows: The can to be cleansed is mounted upon a horse or other support. The folded brush is then inserted therein, whereupon it is unfolded and extended until it fits or impinges against the sides of the can. The brush is then either manually or by power reciprocated and rotated within the can until its sides are thoroughly cleansed, whereupon the brush is folded within the can and withdrawn therefrom. It will be seen, therefore, that the folding feature of the brush permits it to be readily inserted into and through the neck of the can, while the extension feature of the brush affords provision for adjusting it to a size corresponding to the diameter of the can.

What I claim as my invention is—

1. The extensible brush A, composed of like parts, B B′, having overlapping lower ends, provided with link-connection, and an upper link or lever, C, pivoted to said parts, substantially as shown and described.

2. The brush-sections B B′, having arms and handles, in combination with links C and D, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN J. QUINN.

Witnesses:

ALLEN H. GANGEWER,

GEORGE W. SELTZER.