

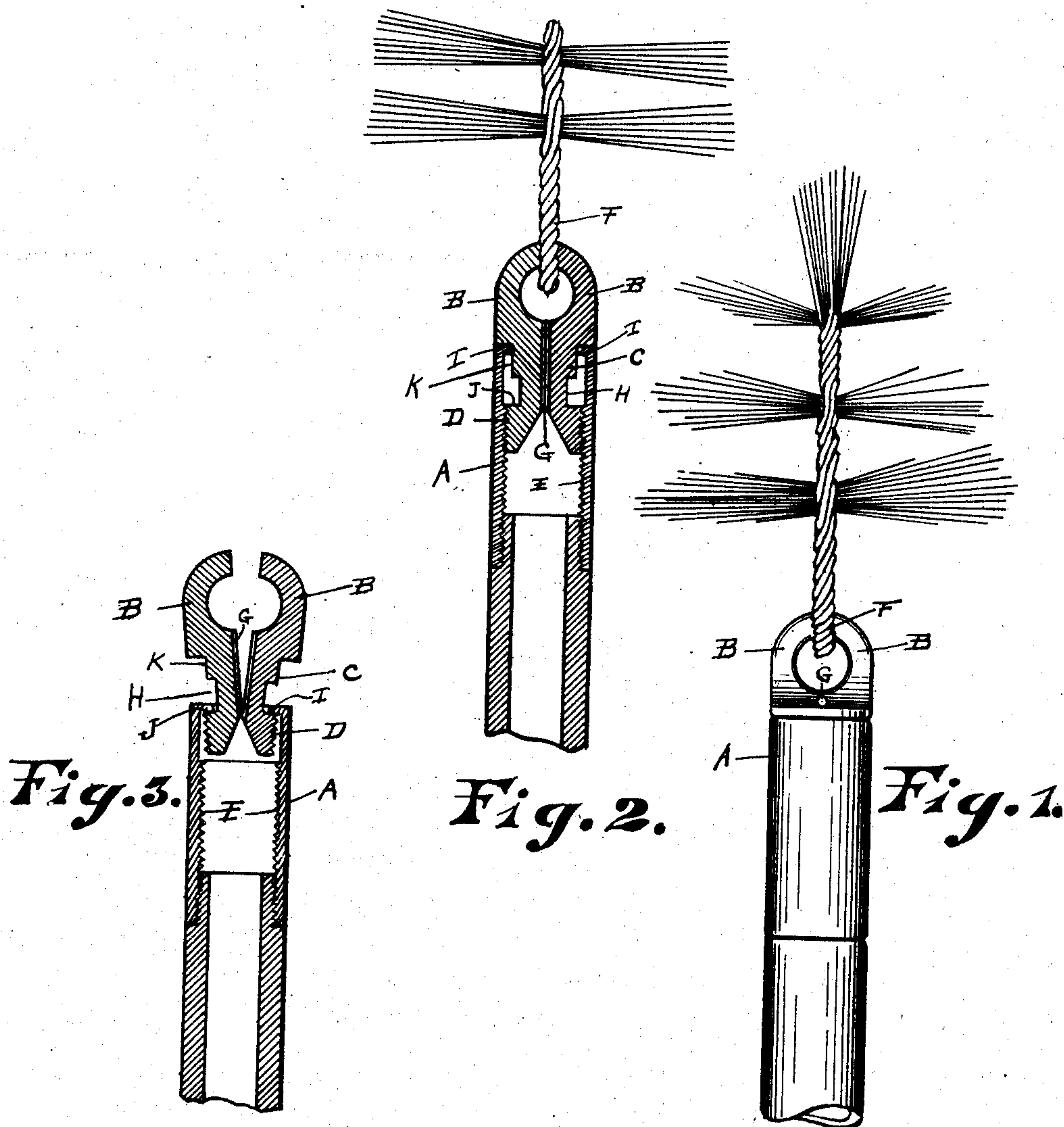
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PATENTED SEPT. 3, 1907.

R. FEHLER & D. McLAUGHLIN.

BRUSH HOLDER.

APPLICATION FILED AUG. 1, 1906.



WITNESSES:
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RUDOLPH FEHLER AND DANIEL McLAUGHLIN, OF MILWAUKEE, WISCONSIN.

BRUSH-HOLDER.

No. 865,029.

Specification of Letters Patent.

Patented Sept. 3, 1907.

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To all whom it may concern:

Be it known that we, RUDOLPH FEHLER and DANIEL McLAUGHLIN, citizens of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Brush-Holders, of which the following is a specification.

Our invention relates to improvements in that class of brush holders which are adapted to be used in connection with a rotary water conduit of a bottle washing machine.

The object of our improvement is more especially to provide a brush holder which is permanently connected with a water duct at all times whereby the liability of the same becoming accidentally detached from the duct and lost is avoided.

Our invention is explained by reference to the accompanying drawings, in which,

Figure 1 is a side view. Fig. 2 is a vertical section, showing the clamping jaws closed, and Fig. 3 is a vertical section, showing the clamping jaws opened.

Like parts are identified by the same reference letters throughout the several views.

Our bottle brush holder comprises among other things a tubular sleeve A and two semi-circular brush retaining jaws B which are of uniform size and shape. The shank C of the jaws is formed of two separable parts, which parts, when taken together, are cylindrical in shape and are provided on their periphery with screw threaded bearings D which operate in the thread E of the sleeve. The sleeve A serves to hold the jaws B together around the loop F of the brush and said sleeve is adapted to be connected with a water duct through which water is led from a supply not shown to the brush. The shank C is provided with a longitudinal aperture or duct G through which water is led to the brush as the same is being revolved within a bottle. The shank A is also provided with an annular groove H formed for the reception of the annular inwardly projecting flange I of the sleeve, which flange I engages the shoulder J of the shank and prevents the shank from being accidentally disengaged from the sleeve.

A central V-shaped space is provided between the lower ends of the two parts comprising the shank which permits such lower ends when screwed forward out of engagement with the thread of the inclosing sleeve to

approach each other, whereby the outer ends of the jaws may be thrown apart as shown in Fig. 3 preparatory to attaching and detaching the brush.

It will be obvious that when the shank is screwed inwardly, the unthreaded cylindrical bearing K thereof will be caused to bear against the annular flange I of the sleeve, whereby said jaws B will be brought together, and whereby the brush will be securely retained in place between them.

It will be understood that this device is adapted to be simultaneously used with a large number of others of like construction with that class of bottle washing machines which are used by brewers and soda water manufacturers for washing bottles.

Having thus described our invention what we claim as new and desire to secure by Letters Patent is,

1. In a brush holder for bottle washing machines, the combination with a tubular sleeve adapted to be connected with a revoluble water duct of the machine, of a pair of brush retaining jaws of similar size and shape and provided with a longitudinal water channel and means for permanently retaining said jaws in said sleeve both when open and closed.

2. In a brush holder for bottle washing machines, the combination of a tubular sleeve having an annular terminal flange and adapted to be connected with a revoluble water duct of the machine, a pair of brush retaining jaws provided with a longitudinal water channel and respectively provided with semi-cylindrical shanks having threaded bearings in said sleeve, an unthreaded bearing formed on said shank adapted to bear against the annular flange of the sleeve and hold said jaws together when said shanks are screwed into said sleeve and means on said jaws for retaining said shank in said sleeve when open and partially removed therefrom.

3. In a brush holder for bottle washing machines, the combination of a screw threaded tubular sleeve provided with an inwardly projecting flange, said sleeve being adapted to be connected with a revoluble water duct of the machine, a pair of brush retaining jaws provided with a longitudinal water channel and respectively provided with semi-cylindrical screw threaded shanks operating in the thread of said sleeve, an annular groove being provided between the screw thread on said shank and said brush retaining jaws for the reception of the inwardly projecting annular flange of said sleeve.

In testimony whereof we affix our signature in the presence of two witnesses.

RUDOLPH FEHLER.
DANIEL McLAUGHLIN.

Witnesses:

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