March 6, 1928. 1,661,358

G. U. BRAKE

WINDOW CLEANING DEVICE

Filed Nov. 16, 1923

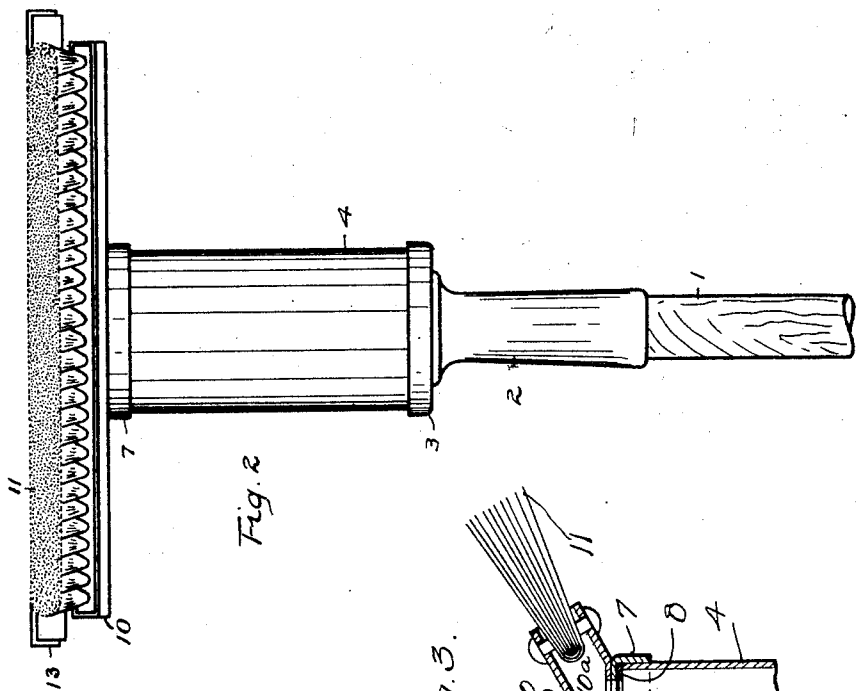


Fig. 2

Fig. 3.

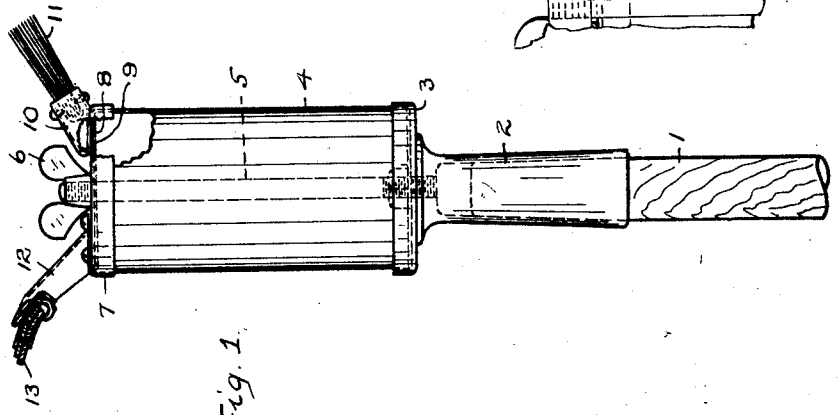


Fig. 1.

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UNITED STATES PATENT OFFICE.

GEORGE U. BRAKE, OF FORT WAYNE, INDIANA.

WINDOW-CLEANING DEVICE.

Application filed November 16, 1923. Serial No. 675,133.

The invention relates to devices for cleaning windows, and more particularly to a window glass cleaning device having a reservoir for the reception of water or other liquid for washing the glass.

The object of the invention is to provide a simple and convenient means for thoroughly washing a window glass and drying the same, and another object is to provide a cleaning member and means for containing the cleaning liquid and feeding the liquid to the cleaning member as desired.

The invention consists in the novel features and in the construction, combination and arrangement of such features hereinafter described and claimed.

In the accompanying drawings I have illustrated an embodiment of the invention, in which

Figure 1 is a front elevational view of the device and Fig. 2 a side elevational view of the same. Fig. 3 is a sectional detail view of the spout shown in Figure 1.

In the drawings, I indicates a suitable handle, upon the upper end of which is engaged a socket 2 that depends from the base 3 of the liquid container. An open ended cylinder 4 is suitably sealed at its lower end in the base and a rod 5 is threaded at its lower end into the center of the base. The rod projects upwardly through the cylinder its upper end being threaded for the reception of a thumb nut 6. A cover 7 fits over the upper end of the cylinder 4 and is caused to be fluid tight thereon by a gasket 8. The rod 5 is projected through a central opening in the cover and the nut 6 when tightened on the rod secures the cover in position. If desirable a gasket may be inserted between the cover and the nut to prevent leakage of the liquid around the rod, or the opening may be otherwise closed to avoid leakage.

An opening 9 is formed in the cover 7 and a laterally extending outwardly and upwardly inclined conduit or spout 10 having an opening 10^a in its lower side and adapted to register with the opening 9, is secured to the cover 7. The forward side of the conduit or spout is open and in this opening is secured a brush or other washing element 11. The inner ends of the bristles of the brush are exposed to the interior of the conduit or spout so that when water within the cylinder 4 passes through the registered openings 9 and 10^a into the conduit 10 upon tilting the device downwardly, the bristles are moistened.

At the opposite side of the top or at any suitable place on the top is secured an upwardly projecting bracket 12, having a suitable clamp in its outer end for the reception and support of a scraper blade 13 formed of one or more strips of rubber, the rubber strips being adapted to remove moisture from the glass windows and to polish the same.

Washing liquid is readily placed in the reservoir. It is only necessary to remove the nut 6 and the cover and insert the liquid into the reservoir and then restore the top and nut. The washing and scraping blade members being carried by the top are removed with the top, thereby exposing the entire open upper end of the reservoir for filling or emptying purposes.

It is evident that the moistening element receives the washing liquid only when the reservoir is inverted or inclined downwardly. Hence when that element is applied to a window there is not an excess of liquid in the element that will be deposited on the glass, but there is a sufficient quantity therein to enable the user to thoroughly wash the glass, the element being moistened from time to time as required by merely tilting the reservoir downwardly.

When the window glass has been washed, the device is rotated sufficiently to cause the element 13 to engage the glass, whereupon the glass is wiped off and polished by drawing said element over the same.

The entire device is exceedingly simple and economical to construct and it is easily handled by the user. Should either element 11 or 13 wear out a new one is readily substituted for it.

What I claim is:

In a window washing device, an open ended reservoir for washing liquid, a re-

movable cover closing said open end, a bolt within the reservoir and removably supported in the bottom thereof and projecting through the cover, means on the bolt to clamp the cover on the reservoir, an elongated conduit, mounted on the cover, projecting over the edge thereof and communicating therethrough with the interior of the reservoir, the conduit being transverse to the longitudinal axis of the reservoir, and a fibrous brush removably mounted in the conduit and adapted to be moistened throughout its length by the liquid flowing by gravity into the conduit from the reservoir when the device is inclined downwardly.

In witness whereof, I have hereunto subscribed my name this 14th day of November, 1923.

GEORGE U. BRAKE.