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1,592,882

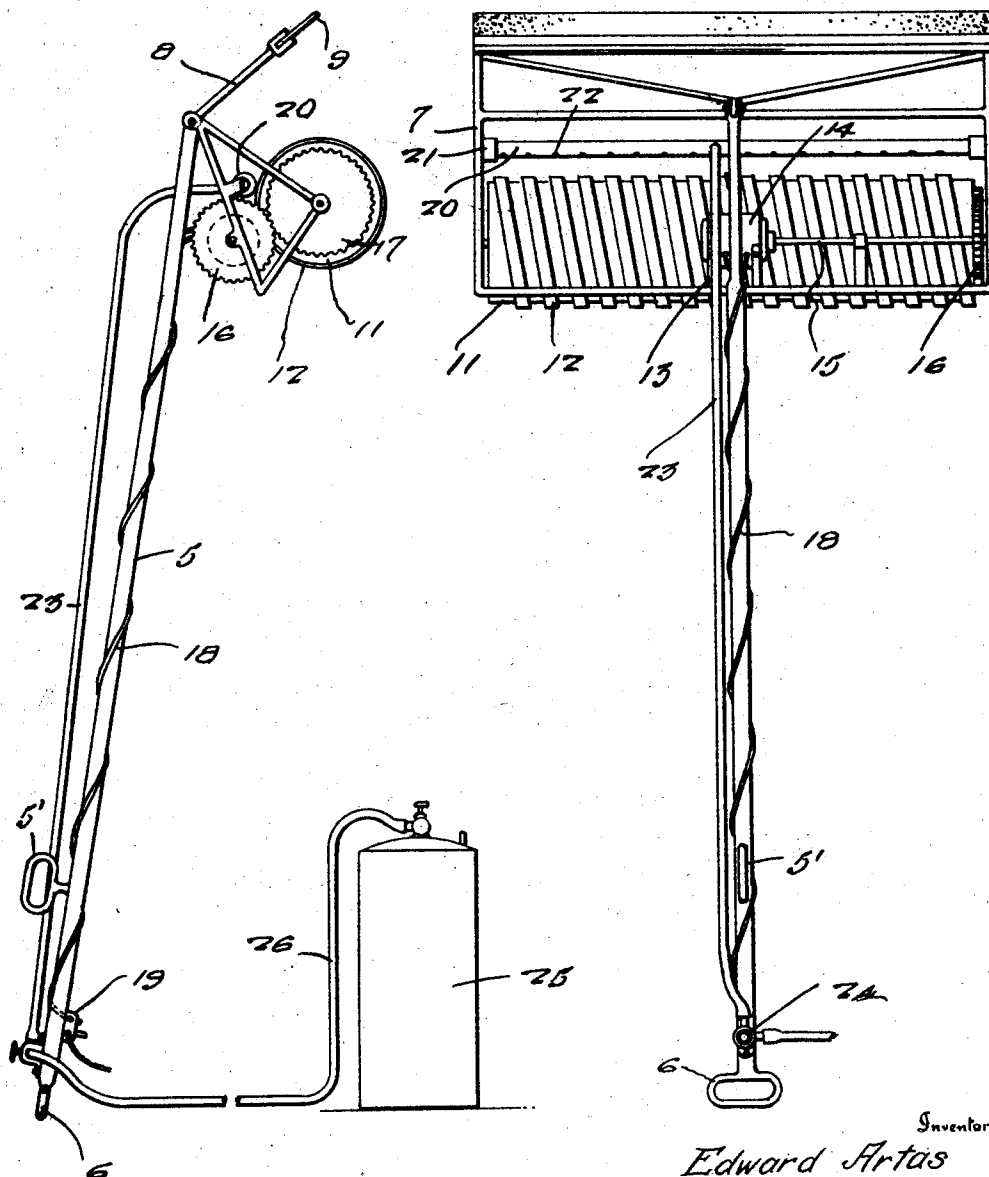
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WINDOW WASHING DEVICE

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Fig. 1.

Fig. 2.



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# UNITED STATES PATENT OFFICE.

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## WINDOW-WASHING DEVICE.

Application filed December 3, 1925. Serial No. 72,992.

This invention relates to washing devices and has more particular reference to a means whereby windows and other glass panes may be advantageously washed and dried while the washer is standing upon the ground or other suitable support at the lower side of the window or other pane.

The primary object of my invention is to provide a washing device including a rotary washing element operated through the medium of an electric or other suitable motor that is attached directly to the device and that is of such a nature as to quickly and efficiently wash the surface of the window or other pane without requiring any great skill upon the part of the operator.

A further and important object is to provide means whereby a supply of water may be discharged upon the washing element as well as means for wiping the water from the window after the same has been properly washed.

Other and important objects will become apparent as the nature of the invention is better understood from the following description considered with the attached drawing, wherein like reference characters indicate corresponding parts throughout both of the views wherein:

Figure 1 is a side elevation of my improved washing device, and

Fig. 2 is a front elevation thereof.

Now having particular reference to the drawing, my novel washing device constitutes the provision of a relatively elongated handle 5 preferably of circular cross section that has a hand engaging member 6 at its lower end and that is suitably attached at its upper end to a skeleton frame 7 of wire or other desirable material.

Said frame is of relatively triangular shape in end elevation and is formed at its upper end with an upwardly and inwardly directed portion 8, the upper longitudinal edge of which is so formed as to rigidly receive a squeegee 9 of rubber or other suitable material.

The said frame 7 which is as stated, of relatively triangular shape in end elevation, has a front and rear spaced frame portion jointed together at their upper ends and interconnected through the medium of the horizontal bar construction as shown in Fig. 1. Journaled intermediate the side bars of the rear frame portion is a roll 11 having upon its face a strip of felt or other de-

sirable rubbing material 12 that is disposed upon the roll in spiral formation.

Supported upon suitable brackets 13 in the front frame portion of the triangular shaped frame, is a small electric motor 14, the armature shaft 15 of which is of relatively elongated nature and extends at one side parallel with the roll 11 and has upon its outer end a spur gear 16 for mesh with a sprocket gear 17 upon the adjacent end of the rubbing roll 11.

An electric cable 18 extends from this motor and is arranged spirally upon the handle 5 and has attachment with a suitable source of electric current, not shown. Arranged within the circuit between the electric supply and said motor 14 is a switch 19 in order that the motor may be turned on or off in a convenient manner.

My washing device further includes the provision of a cleaning fluid discharge pipe 20 that is held at its opposite ends within suitable caps 21 at the opposite side bars of the forward frame construction of the triangular shaped frame member, the lower surface of this pipe being provided with a plurality of discharge openings 22, Fig. 2. In communication with said pipe 20, preferably intermediate the ends thereof is a fluid supply pipe 23 that extends downwardly in relative parallel relation with the handle member 5 that is associated at its lower end with a cut-off valve 24 disposed upon the handle 5 at the lower end thereof. The said valve 24 is in communication with a fluid supply tank 25 through the medium of a flexible pipe 26, Fig. 1, in order that the device may be readily manipulated without a consequent movement of said tank.

The tank 25 is to hold a supply of water or other desirable cleaning fluid and preferably air under pressure is introduced therein in order that when the valve 24 is opened, the fluid will discharge therefrom with great force and be directed upon the roller 11 and consequently upon the window being washed.

If desired, the handle 5 may be provided with an auxiliary hand hold member 5' in order that the device may be properly manipulated at the upper portion of a large window pane.

From the foregoing description, when considered in conjunction with the accompanying drawings, it is believed by me that the operation and advantages of a window wash-

ing device of this character will be readily understood by those skilled in the art. Even though the preferred embodiment of my invention has been herein shown and described, with which I am at this time familiar, it is nevertheless to be understood that such changes may be made therein as do not depart from the spirit and scope of the appended claim.

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

In a window washing device of the character described, a relatively elongated han-

dle member, a pair of united frame mem- 15  
bers arranged in the upper end of the handle and arranged in diverging relation, an electric motor supported on one frame member, a rubbing roll rotatably mounted on the other frame member, driving connections be- 20  
tween the electric motor and rubbing roll, and means mounted on one of said frames to direct a supply of cleaning fluid upon the rubbing roll and window.

In testimony whereof I affix my signature. 25

EDWARD ARTAS.