(No Model.)

W. ORCUTT.

WINDOW WASHER.

No. 419,871. Patented Jan. 21, 1890.

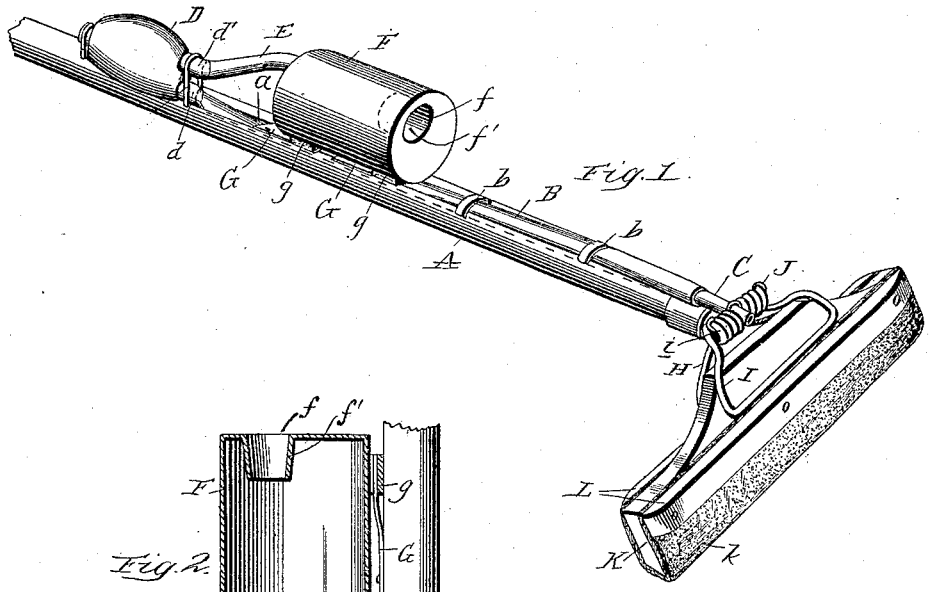

Fig. 1.

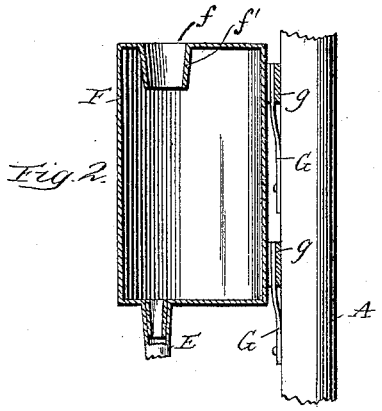

Fig. 2.

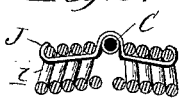

Fig. 3.

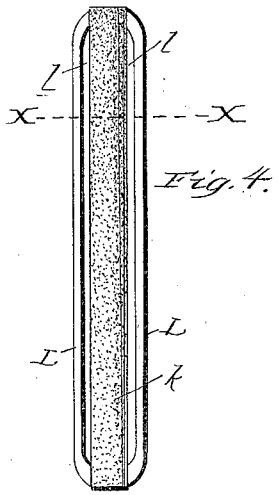

Fig. 4.

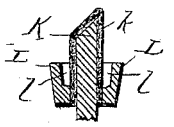

Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM ORCUTT, OF ABILENE, KANSAS.

WINDOW-WASHER.

SPECIFICATION forming part of Letters Patent No. 419,871, dated January 21, 1890.

Application filed April 26, 1889. Serial No. 308,695. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ORCUTT, a citizen of the United States, residing at Abilene, in the county of Dickinson and State of Kansas, have invented certain new and useful Improvements in Window-Washers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to window-cleaners, and aims to provide a simple device for the purpose aforesaid that will be compact, convenient to handle, and durable.

The improvement consists of the novel features and the peculiar construction and combination of the parts which will be hereinafter more fully described and claimed.

In the drawings, Figure 1 is a perspective view of a window-cleaner embodying my invention. Fig. 2 is a detail vertical section of the reservoir, showing the means for connecting the same to the handle. Fig. 3 is a horizontal section of the spring, showing the means for connecting the nozzle to the same. Fig. 4 is a top plan view of the rubber. Fig. 5 is a cross-section of the rubber on the line X X of Fig. 4.

A represents the pole or handle, which is grooved in its side at *a* to receive the rubber tubing B, which extends from the nozzle C to the rubber bulb D, being placed in said groove to protect it from injury, and held therein by keepers or staples *b*. The rubber or other compressible bulb has two short tubes *d* and *d'* at its upper end. The tubing B connects with the tube *d*, and the tubing E, extending from the reservoir F, connects with the tube *d'*.

The reservoir F is of ordinary construction and convenient size, and is provided with an opening *f* in its upper end, through which the water is poured when filling the said reservoir. The rim *f'*, surrounding the said opening *f* and extending within the reservoir, prevents the water splashing out when using the device. The brackets G, secured at their lower ends to the handle A, have their upper ends inserted in the keepers *g* on the side of the reservoir, which latter can be readily detached from the handle by lifting it up and off the said brackets. The holder is composed of two jaws H and I, which are of corresponding shape, each being composed of wire, the ends of the wire being folded back and brought together to form tongs, which is inserted in an opening in the end of the handle. The ends of the wire that compose the jaw I are coiled just above the handle at *i*, to render said jaw yielding. The inner ends of the coils *i* do not come close together, and the nozzle C is placed in said space and held in position by the wire J, which is passed through the coils *i*, and has its ends bent around the ends of the coils and its middle portion deflected out to embrace the nozzle, substantially as shown.

The rubber K, covered with cloth or other suitable soft material *k*, has lateral extensions or side pieces L, which are provided with channels or pockets *l* to receive or catch the surplus water and prevent the same dropping on the ground or pavement and creating a mess. The reservoir being filled, the water passes from same to the bulb D, which when compressed forces the water through the tubing B and nozzle C onto the glass to be cleansed, the rubber being applied in the usual manner to assist the cleansing process.

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

1. The herein-described handle for window-washers, having the jaws H and I at its upper end and a groove in its side, the tube B, placed in said groove and having nozzle C, the reservoir F, and the bulb D, connected with the reservoir and with the tube B, substantially as described.

2. The combination, with the handle, the reservoir, and the tubing B and E, of the bulb having two tubes at its upper end to receive the ends of the tubing B and E, substantially as set forth.

3. The combination, with the handle having a rubber at its upper end, of the reservoir attached to the handle and having an opening in its upper end, and having a rim surrounding the opening and extending within the reservoir, substantially as described.

4. The combination, with the handle and the holder comprising the jaw I, that has the two coils *i*, of the tubing B, having its nozzle placed between the ends of the coils *i*, and the wire J, passed through the coils and having its middle portion bent out to embrace the said nozzle, substantially as described.

5. The combination, with the handle, of the holder comprising the two spring-jaws H and I, the jaw I, having coils *i*, substantially as and for the purpose described.

6. The herein-described rubber, having side strips L, and having drainage-channels *l* in said strips, substantially as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM ORCUTT.

Witnesses:
H. M. BRADFIELD,
G. W. RUCHTY.