

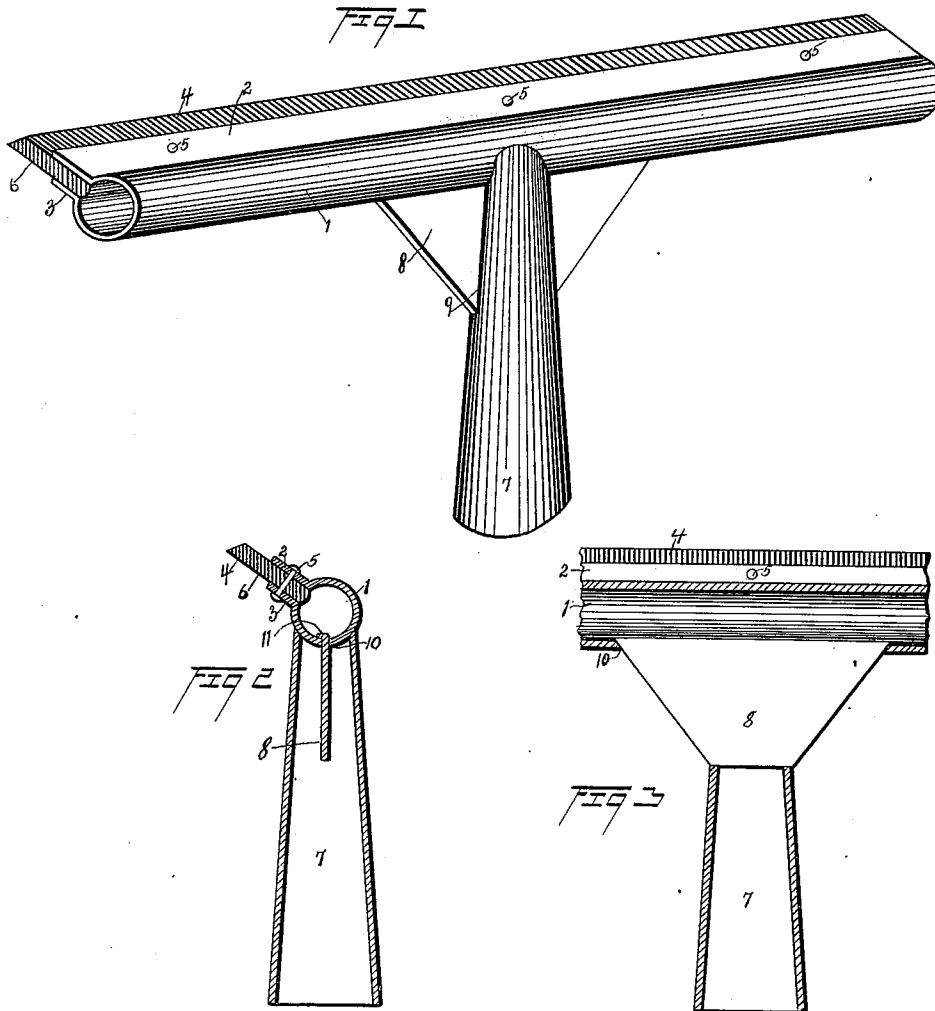
No. 635,462.

Patented Oct. 24, 1899.

M. BOURKE.
WINDOW CLEANER.

(Application filed Mar. 14, 1898.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

MARTIN BOURKE, OF YOUNGSTOWN, OHIO.

WINDOW-CLEANER.

SPECIFICATION forming part of Letters Patent No. 635,462, dated October 24, 1899.

Application filed March 14, 1898. Serial No. 673,682. (No model.)

To all whom it may concern:

Be it known that I, MARTIN BOURKE, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Window-Cleaners, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to window-cleaners, and is substantially a device for wiping the window-panes dry of water, at the same time clearing them of dirt and foreign substances.

I will first describe the details of my invention with the aid of the accompanying drawings, in which—

Figure 1 represents a perspective view of one of the window-cleaners as ready to be placed upon a long handle such as needed in using it. Fig. 2 is a vertical section of Fig. 1 upon its mid-line, and Fig. 3 is a longitudinal sectional view of a part of Fig. 1 at right angles to Fig. 2.

In the several views the same numeral always indicates the same part.

1 represents a split tube of resilient metal, extending into the radial wings 2 and 3, the latter being about half the width of the former. Between these wings 2 and 3 is inserted the strip of rubber fabric 4 and secured in position by means of the rivets 5 or other desirable manner. The fabric 4 projects beyond the wings a sufficient distance to form a convenient wiping-surface 6 for use.

A metal handle-socket 7 is soldered to the mid-portion of the tube 1. To brace it in its position therewith, a triangularly-shaped plate of metal 8 is entered into the slot 9 of

the handle-socket 7 and into the slot 10 of the tube 1 and duly soldered into position. To further strengthen the same, the edge 11 of the plate 8 is bent over to form a hook, which, engaging the edge of the slot, adds materially to the rigidity of the construction after the parts are soldered together.

The operation of my invention is as follows: The socket being placed upon a handle of desirable length and secured thereon, the rubber is brought in contact with the window-pane and the latter is wiped therewith, usually in a downward direction. The lower wing 3, as has been already noted, is made somewhat narrower than the upper wing to materially add to the pliability of the rubber wiping-surface and to increase the efficiency thereof.

Having thus fully described my invention and indicated its method of operation, what I desire to secure by Letters Patent and claim is—

In a window-cleaner, the combination of the split tube provided with a slot, the radial wings thereof, the rubber strips secured between said wings, a handle-socket provided with a slot and a stay-plate entering both said slots and means for securing the said tube, handle-socket and plate into position, all substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand before two witnesses.

MARTIN BOURKE.

Witnesses:

E. C. WEAVER,
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