

*C. E. Bell,*  
*Window Master.*

*No. 112,009,*

*Patented Feb. 21, 1891.*

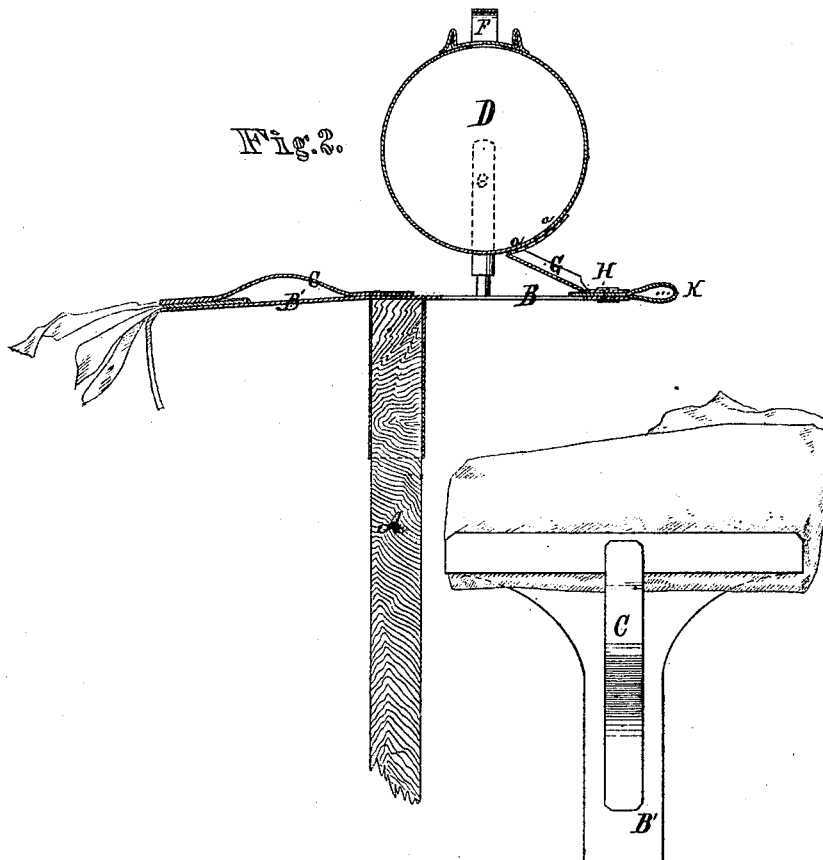
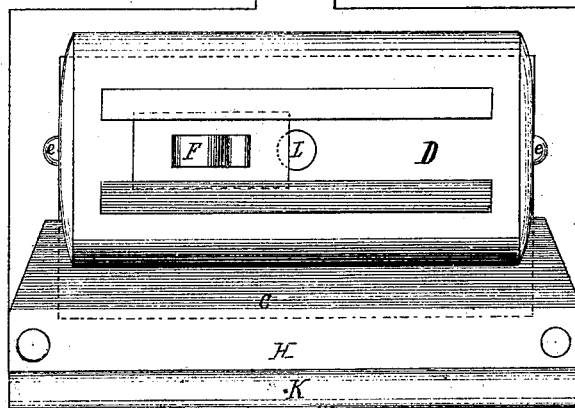


Fig. 1.



*Witnesses:*  
*Chatterton*  
*Villette Anderson*

*Inventor:*  
*C. E. Bell,*  
*Chipman & Foster & Co*  
*Attys*

# United States Patent Office.

CHARLES EDWARD BELL, OF GREENFIELD, OHIO.

Letters Patent No. 112,009, dated February 21, 1871.

## IMPROVEMENT IN WINDOW-WASHERS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, CHARLES EDWARD BELL, of Greenfield, in the county of Highland and State of Ohio, have invented a new and valuable Improvement in Window - Washer; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of my invention, showing the top view of the washer.

Figure 2 is a central vertical section of the same.

My invention has relation to an improvement in window-washers; and

It consists in the construction and novel arrangement of devices attached to a cross-head on the end of a staff, whereby a window may be readily and conveniently washed and dried.

The letter A of the drawing designates the staff or handle of my window-washer.

B B represent the two arms of the cross-head, one of which bears the washing devices and the other the drying-cloth or paper.

The arm B' is provided with a spring-clamp, C, which holds the cloth or paper used for drying securely.

D represents the water reservoir, a cylinder supported on suitable uprights *ee*, and provided with a sliding cover, F. Perforations *aa* are made in its wall, through which the water passes gradually out

and down the inclined plane G and plate H to the washing-cloth K.

The washing-cloth K should be of heavy woolen goods and securely bolted between the plates H B.

The sliding cover F, which closes the aperture L of the reservoir, should be as nearly air tight as possible.

The washing and drying cloths having been attached and the reservoir filled, the window-washer is ready for operation. By means of the slide F the admission of air to the cylinder can be regulated in such a manner as to produce the proper flow of water.

The flow can be stopped when desirable by closing the cover F.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The window-washer herein described, having the perforated reservoir D provided with the regulating slide F, the inclined plane G, and the clamps B H and B' C, substantially as specified.

2. In a window-washer, the perforated reservoir D with air-tight regulating slide F, and the inclined plane G, substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

CHARLES EDWARD BELL.

Witnesses:

M. A. SQUIER,

T. S. MCGARRAUGH.