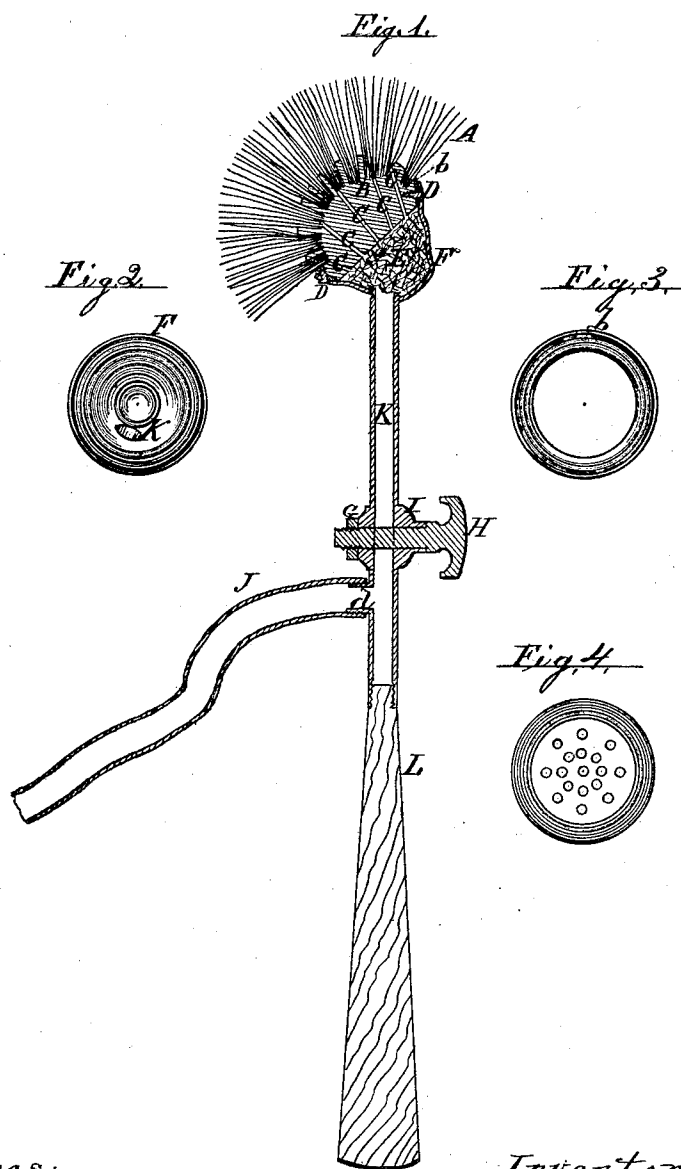


Z. Poitras,
Fountain Brush.

No. 113,923.

Patented Apr. 16. 1871.



Witnesses:
G. A. Chapin
E. Gibson.

Inventor.
Zephire. Poitras

United States Patent Office.

ZEPHIRE POITRAS, OF CHICAGO, ILLINOIS, ASSIGNOR TO C. H. MERRILL,
F. G. TANNER, AND A. W. MERRILL, OF SAME PLACE.

Letters Patent No. 113,923, dated April 18, 1871.

IMPROVEMENT IN FOUNTAIN-BRUSHES.

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, ZEPHIRE POITRAS, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Fountain-Brush; and I do hereby declare that the following is a full and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing and letters marked thereon making a part of this specification, in which—

Figure 1 is a sectional elevation of my improved fountain-brush.

Figure 2, view of the packing-chamber with the brush-head removed.

Figure 3, the packing between the packing-chamber and brush-head.

Figure 4, a view of the inside of the brush-head.

The present invention relates to an improved device for washing the windows of cars, houses, ceilings, walls, &c., and its novelty consists in the novel construction of the brush-head, in combination with a conducting-pipe, stop-cock, and hose, as the whole is hereinafter fully described.

K represents a conducting-pipe, which at one end is provided with a suitable handle, L, and at the other end with a packing-chamber, F, which chamber is loosely filled with curled hair, and, by means of a flange at its base and screws D, is firmly fastened by a brush-head, B, an elastic packing-ring, *b*, being placed between the chamber F and said head B, for making the connection water-tight.

The brush-head B is suitably filled with bristles, A, and it has, communicating with chamber F and extending through to its outer surface, a series of holes or pipes, C C C, by means of which water is conveyed to the brush in suitable quantities for washing purposes.

A stop-cock, H, being adjusted in the pipe K, regulates the flow of water as circumstances may require.

The object of the hair E in the chamber F is to prevent so rapid a flow of water through the pipes as would cause jets to stream beyond the brush, and

also to serve the purpose of a strainer, and thus prevent the pipes C from filling up with sediment.

In drawing 1 ordinary wood screws are used to hold the chamber F to the head B, but in practice thumb-screws are to be substituted for them, in order that the chamber F may be readily removed for cleansing and replacing the hair packing.

The pipe K is represented as made in one piece, but for practical purposes it should be made in sections and screwed together, so that greater or lesser heights may be reached, while at the same time the stop-cock H will be within reach of the operator.

The handle L may also be extended to any desired length.

The hose J is supposed in most cases to be attached to a hydrant in which the water has sufficient pressure to flow up through the brush A. But where means of that kind are not within reach a pail or vessel of water can be placed in the window above the one to be cleaned, or on the roof of a car, and the end of a hose, J, connected by a stop-cock, placed at or near the bottom of such pail or vessel.

When dust is to be removed from windows before washing them the hose J can be disconnected from its thimble *d*, on the pipe K, and the brush A used as a duster.

The pipe K is represented as rigidly attached to the chamber F, but it may be connected to said chamber by means of a screw-thread, in which case the pipe can be detached for rinsing the windows after washing, by throwing a stream of water on them.

I do not claim, broadly, a fountain-brush; but

I claim—

A fountain-brush consisting of the chamber F, hair packing E, head B, pipe K, stop-cock H, handle L, and packing *b*, constructed and arranged to operate with a hose, J, as set forth.

ZEPHIRE POITRAS.

Witnesses:

E. E. GIBSON,
G. L. CHAPIN.