

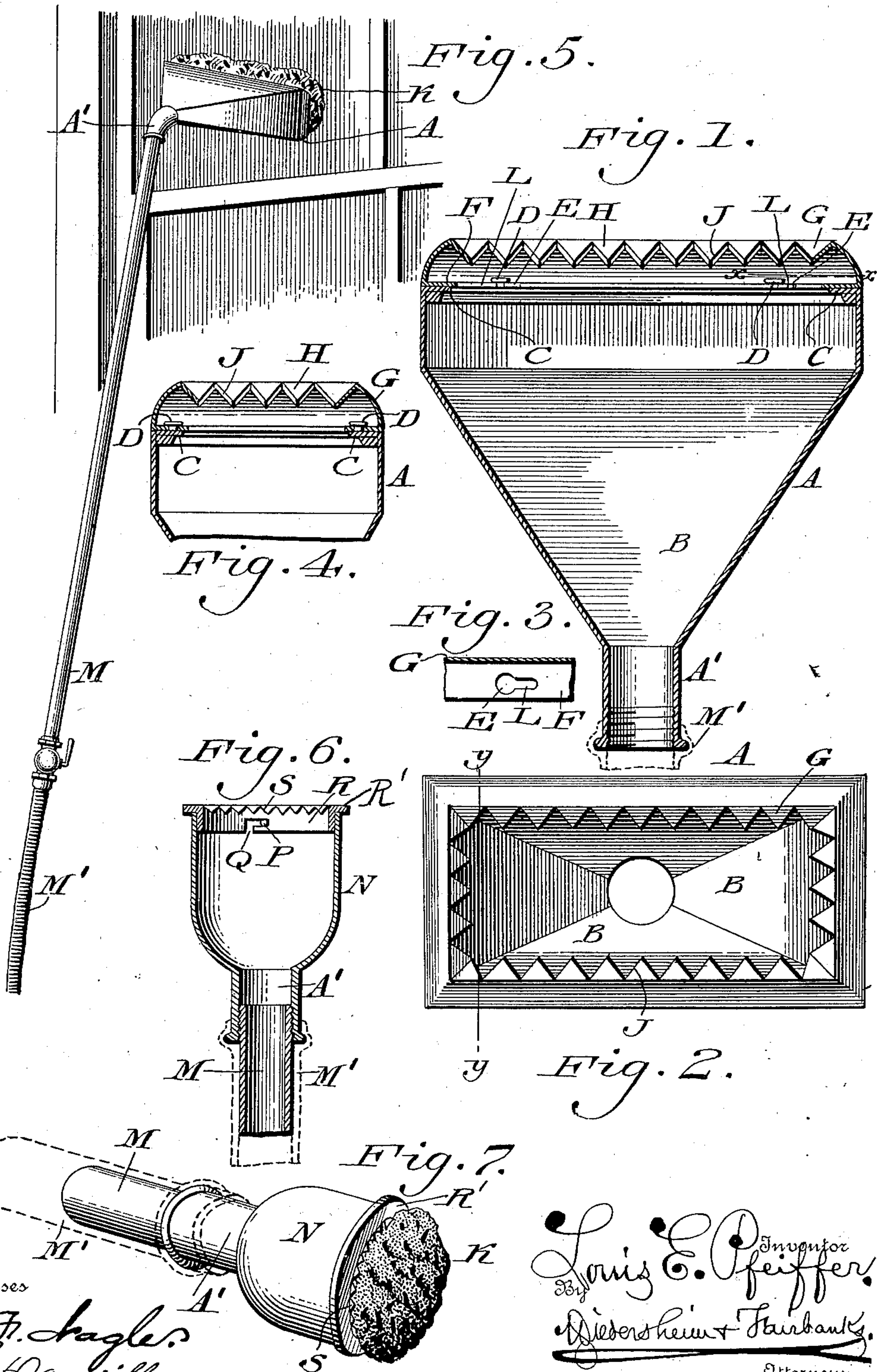
No. 656,301.

Patented Aug. 21, 1900.

L. E. PFEIFFER.
WINDOW CLEANER.

(Application filed Nov. 27, 1899.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

LOUIS E. PFEIFFER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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WINDOW-CLEANER.

SPECIFICATION forming part of Letters Patent No. 656,301, dated August 21, 1900.

Application filed November 27, 1899. Serial No. 738,304. (No model.)

To all whom it may concern:

Be it known that I, LOUIS E. PFEIFFER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Carriage, Window, and other Washers, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of an improved construction of a carriage, window, or other washer embodying a hollow head, which serves as a water-supply distributor, and a removable cap with inwardly-extending spurs for holding a sponge or washing article, by which the water is applied to said article or place of service, said cap being seated on the rim of said head, means being provided for connecting said cap with said rim.

It further consists of novel details of construction, all as will be hereinafter fully set forth, and particularly pointed out in the claims.

Figure 1 represents a vertical sectional view of a carriage, window, or other washer embodying my invention. Fig. 2 represents a plan view of Fig. 1. Fig. 3 represents a section on line *x x*, Fig. 1. Fig. 4 represents a section on line *y y*, Fig. 2. Fig. 5 represents a perspective view of the device seen in Fig. 1 in operative position and a portion of a window to which the same is applicable. Fig. 6 represents a sectional view of a modified construction of the washer. Fig. 7 represents a perspective view of the washer seen in Fig. 6, with a sponge therein.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a carriage, window, or other washer embodying my invention, the same consisting of a hollow angular head B, having at its forward open end a rim or ledge C, upon which are supported the pins D, which are adapted to be inserted through the openings E in the base or flange F of the open cap or frame G, the outer portion or rim H of the latter being turned inwardly and provided with serrations, teeth, or spurs J, by which the piece of sponge or other washing article K is adapted to be held, said frame after the parts are assembled be-

ing firmly interlocked with the head by the engagement of the pins D in the narrow portions L of the openings E, as will be understood from Figs. 1 and 3, it being noticed that said cap or frame G is seated solidly on the rim of said head B, where it is firmly sustained.

In Figs. 6 and 7 I show a modified form composed of a hollow circular head N, which has a stud or pin P projecting from the interior thereof and an angular recess Q in the flange R of the frame R', which latter has inturned serrations, teeth, or spurs S, by which the sponge K or similar article is held in the manner already described, said frame R' being interlocked by having its recess Q placed in alinement with said pin, after which the frame is pressed into the head and rotated to assume the position seen in Fig. 6, after the manner of a bayonet-joint.

Water may be directed into the head B or N by means of the branch pipe M and the hose M', or the said hose alone, in which case the latter is coupled with the collar A' of said head. The studs, which besides being inturned, are deflected from a right angle toward the base of the head A, so as to stand in inclined direction inwardly, whereby the sponge or washing material employed will be firmly held without liability to be withdrawn by outward draft on said sponge, &c. When, however, the head is properly shifted, the frame G or R' is released of the holding-pins D or P, when said frame may be displaced from the head and the sponge disconnected by draft in a direction backward from said teeth. It will thus be apparent that by the provision of a head acting as a reservoir and an absorbent on its outer portion the latter may be fully supplied at all times with running water.

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

1. In a washer, a hollow head adapted to be connected with a water-supply, a detachable cap having its base mounted on the outer rim of said head, means on said cap for carrying washing material, and devices on said base and rim for interlocking said cap and head.

2. In a carriage, window or other washer, a head adapted to be connected with a water-

supply, an inwardly-projecting flange on said head, pins supported upon said flange, a frame having an inwardly-projecting flange provided with openings engaging said pins, and
5 an inwardly-projecting toothed or serrated portion adapted to engage a piece of washing material.

3. A washer of the character stated, consisting of a hollow head, a cap having a base

adapted to be seated upon the rim of said head and provided with inwardly-projecting teeth adapted to hold washing material and devices on said base and rim for interlocking said cap with said head.

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