No. 843,585. PATENTED FEB. 12, 1907.

F. H. COLE.

WASHING APPARATUS.

APPLICATION FILED FEB. 8, 1906.

2 SHEETS—SHEET 1.

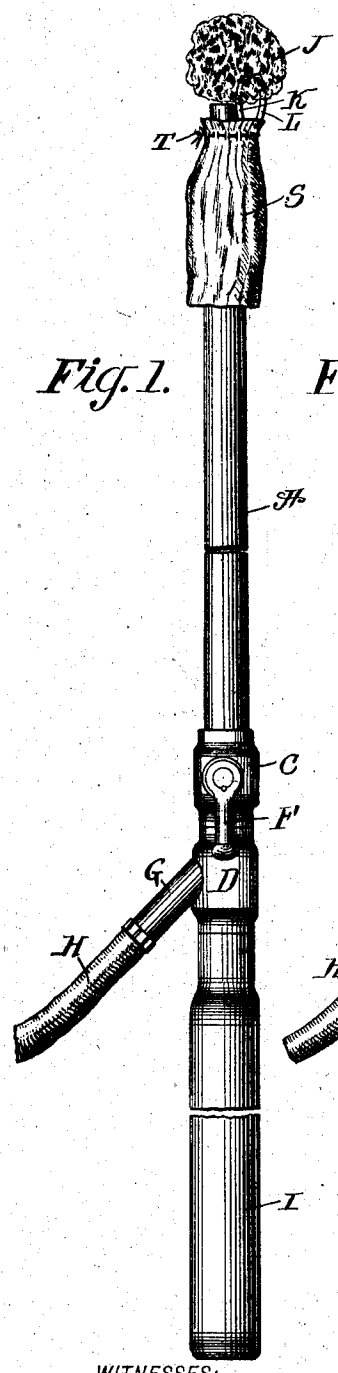


Fig. 1.

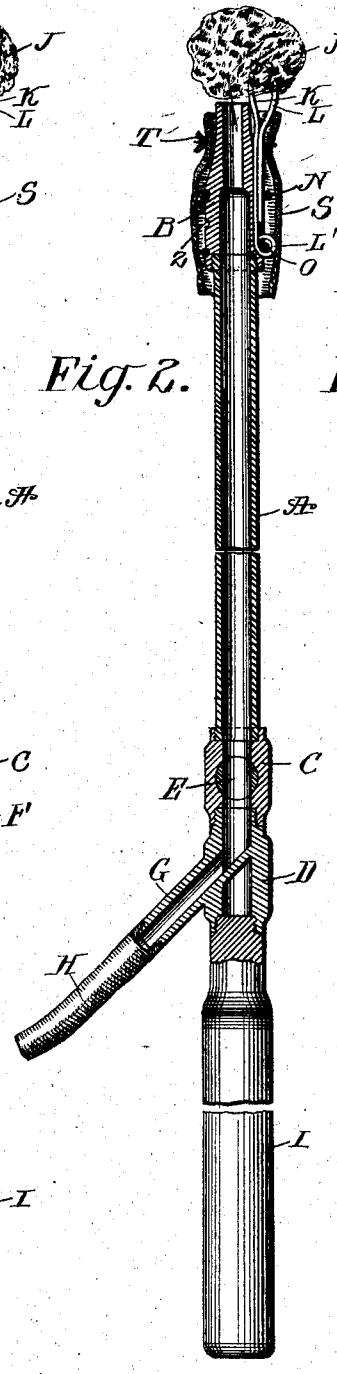


Fig. 2.

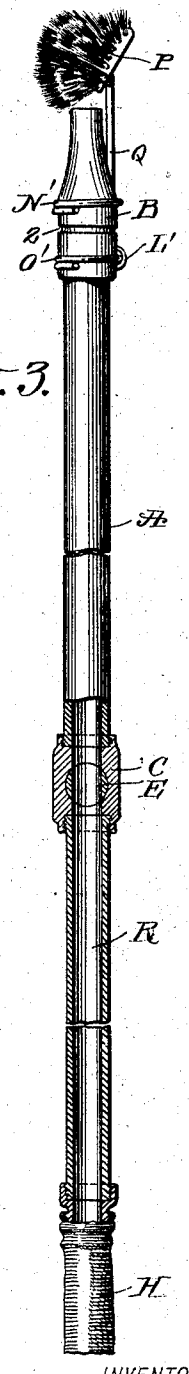


Fig. 3.

WITNESSES:

Samuel E. Darby

Harrison B. Brown

INVENTOR

FRANK H. COLE.

BY Munn & Co.

ATTORNEYS

THE NORRIS PETERS CO., WASHINGTON, D. C.

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2 SHEETS—SHEET 2.

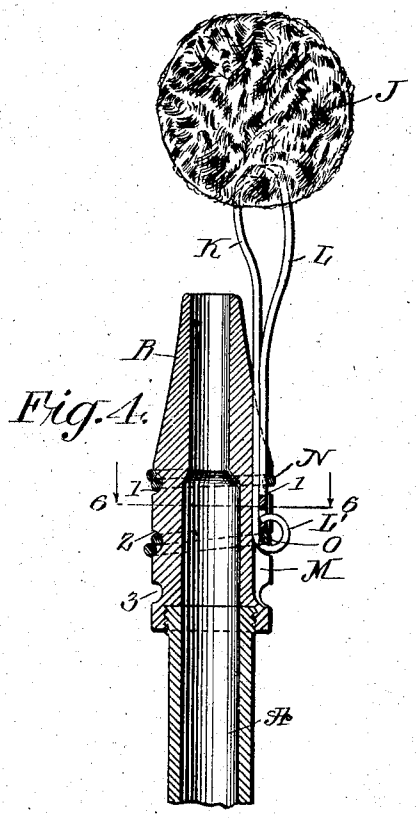


Fig. 4.

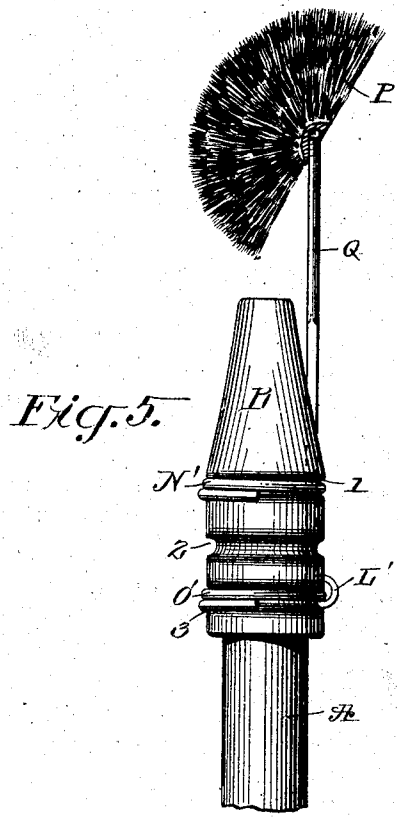


Fig. 5.

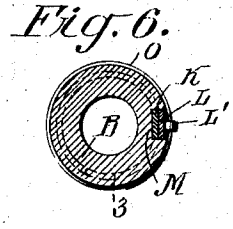


Fig. 6.

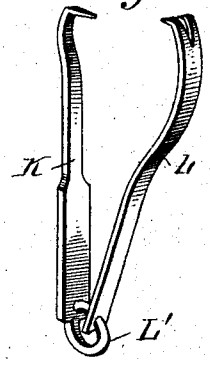


Fig. 7.

WITNESSES:

Samuel E. Darby

Harrison B Brown.

INVENTOR

FRANK H COLE.

BY Munn & Co.

ATTORNEYS

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK H. COLE, OF GROVETON, NEW HAMPSHIRE.

WASHING APPARATUS.

No. 843,585. Specification of Letters Patent. Patented Feb. 12, 1907.

Application filed February 8, 1906. Serial No. 300,117.

To all whom it may concern:

Be it known that I, FRANK H. COLE, a citizen of the United States, and a resident of Groveton, in the county of Coos and State of New Hampshire, have invented certain new and useful Improvements in Washing Apparatus, of which the following is a specification.

This invention relates to apparatus designed for washing cars, windows, &c., and has for its object the provision of novel means which shall be effective in use for the general purposes stated.

The invention consists of the special construction, arrangement, and combination of parts, shown by the accompanying drawings, and hereinafter fully described.

In the drawings, Figure 1 is a side elevation of one form of my improved washing apparatus. Fig. 2 is a view of the same apparatus illustrated in longitudinal section. Fig. 3 is a side view of another form of my washing apparatus. Fig. 4 is an enlarged longitudinal sectional view of the nozzle end of the form of apparatus illustrated by Fig. 2. Fig. 5 is an enlarged side elevation of the nozzle end of the form of apparatus illustrated by Fig. 3. Fig. 6 is a transverse section taken on line 6 6 of Fig. 4; and Fig. 7 is a detached detail perspective view of the sponge-holding clamps employed with the form of apparatus illustrated by Figs. 1, 2, and 3.

The invention, broadly, comprehends a peculiar nozzle, having a suitable handle, a water-supply pipe connected with the nozzle passage-way, a cut-off valve for the control of water, a sponge, brush, or similar scrubbing means, and peculiar means for support thereof, in front of the discharge opening of the nozzle.

In the practice of my invention I employ a suitable tubular body A, having a detachable nozzle end B. The other end of the tubular body A is provided with a hollow body constructed into two parts C D. In the body part C, I arrange a cut-off valve E, adapted for operation by means of an external handle F or other approved means. Upon reference to Fig. 2 it will be noticed that the passage-way through the body portion D is made leading through a lateral extension G, with the latter adapted for application thereto of a water-conveying tube H. In further carrying out the aforesaid comprehension of my invention I employ a suitable handle I, as an extension of the tubular passage-ways A C D, the same being designed to facilitate handling of the apparatus, as will be understood.

At the nozzle end of the apparatus I may employ a sponge J, with the same supported by means of clamping-arms K L, hingedly connected at their lower ends by means of a link L′, substantially as shown by Fig. 7.

Upon reference to Figs. 4 and 6 it will be noticed that the nozzle B is constructed with a longitudinal groove M, adapted for receiving the clamping-arms K L, and also that said arms are secured in the groove M by collars N O, arranged in two of the three nozzle-encircling grooves 1 2 3. The lower collar is arranged extending through the link L′, as shown.

In some instances it will be desirable to hold the sponge J in advance of the discharge-opening from the nozzle, and the same may be effected by arranging the collars in the encircling grooves 1 2, as will be understood upon reference to Fig. 4. The collars N O are adapted for making the adjustment stated by forming them into an elastic coil with loose ends, as best shown by Fig. 5 of my drawing.

My invention comprehends employment of a brush P (see Figs. 3 and 5) in place of the sponge or mop J illustrated in other views of the drawing, and providing for its use I utilize an arm Q, constructed to lie in the longitudinal groove M in the nozzle and be secured by collars N′ O′, similar to the clamping-arms K L.

The brush P may be secured to the projecting end of the arm Q by obvious means, and through support of the collars N′ O′ is adapted for adjustment similar to the sponge or mop J.

The form of apparatus shown provided with a handle I is designed for use in washing the outside of cars and other similar uses requiring a handle suitable for reaching purposes, but in adapting the apparatus for washing windows and other washing near at hand I detach the hollow body portion D and suitably connect one end of a pipe R with the hollow body C, the water-conveying tube H being arranged in connection with the other end of the pipe R, as shown by Fig. 3.

To prevent scratching action of the nozzle end of the apparatus, the same may be inclosed by a jacket S, (see Figs. 1 and 2,) and the jacket is secured by a simple draw-string T at one or both ends thereof. The jacket S

may be formed of fabric, leather, or other suitable material.

What I claim is—

1. The combination with a tubular body, of a two-part hollow body at one end of the tubular body, a cut-off valve in one said hollow part, a handle secured to the other said hollow part, a lateral tubular extension on the latter hollow part, a nozzle at the other end of the tubular body a scrubbing medium, and jaws on the nozzle for holding the scrubbing medium, substantially as described.

2. A washing apparatus employing a tubular body, means for delivering water into the tubular body, a cut-off valve in the water passage-way, a nozzle at the far end of the tubular body, the nozzle being constructed with longitudinal and transverse grooves, a scrubbing medium, extension means arranged in said longitudinal groove, to carry the scrubbing medium at its projecting end, and collars arranged in said transverse grooves, to secure the extension means.

3. A washing apparatus employing a tubular body, means for delivering water into the tubular body, a cut-off valve in the water passage-way, a nozzle at the far end of the tubular body, a scrubbing medium, means on the nozzle for carrying the scrubbing medium, and a jacket arranged on the nozzle, inclosing same and portions of the carrying means for the scrubbing medium, substantially as described.

FRANK H. COLE.

Witnesses:
W. C. STRAIN,
H. T. HATT.