

(Model.)

L. J. HALBERT.
Slate Cleaner.

No. 233,238.

Patented Oct. 12, 1880.

Fig: 1.

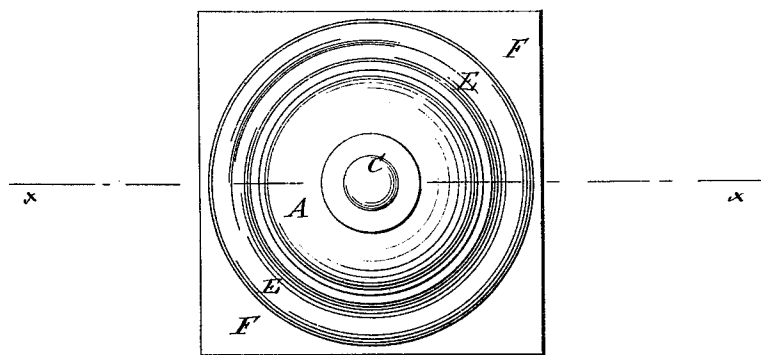
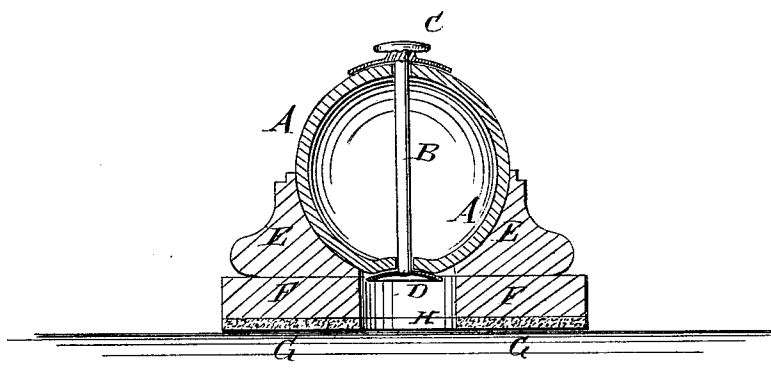


Fig: 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

LOUIS J. HALBERT, OF BROOKLYN, NEW YORK.

SLATE-CLEANER.

SPECIFICATION forming part of Letters Patent No. 233,238, dated October 12, 1880.

Application filed July 27, 1880. (Model.)

To all whom it may concern:

Be it known that I, LOUIS JOHN HALBERT, of Brooklyn, Kings county, New York, have invented certain new and useful Improvements in Slate and Glass Cleaners, of which the following is a specification.

Figure 1 is a plan view of the improvement, and Fig. 2 is a sectional elevation, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish slate and glass cleaners which shall be simple in construction and convenient and effective in use, and which will contain water to be applied to the article to be cleaned, as may be required.

A represents a rubber ball having a small hole through its opposite sides, through which passes a small valve-rod, B. The rod B is made of a length a little less than the diameter of the ball A, so that the disks, valves, or pistons C D, attached to the ends of the rod B, may be held against the ball A by the elasticity of the said ball with sufficient force to prevent the water inside of the ball A from escaping around the rod B. The ball A is placed in a socket, E, which surrounds a little more than one-half of the said ball, so that the ball cannot come out when in use; or the socket E may be made smaller and cemented at its upper edge to the ball A.

The socket E is formed upon or attached to a base-block, F, which may be made of rectangular or other desired form, and to the bottom of which is cemented, or otherwise attached a plate, G, of felt.

The ball A is placed in the socket E with the rod B at right angles with the base F.

Through the bottom of the socket E, through the base F and the felt-plate G, is formed an aperture, H, a little larger than the disk D, and of such a size that the thumb can be inserted to bear upon the disk D, press the rod B outward, and compress the inner side of the ball A. When the parts are in this position the outer part of the ball A is inserted in a vessel of water and the pressure upon the disk D is removed, allowing water to be forced into the ball A around the outer part of the rod B until the ball has returned to its proper form, the amount of water received in the ball A depending upon the amount of compression that had been given to the said ball.

When the implement is being used the outer part of the ball A is compressed by pressing upon the disk C, which forces the rod B inward and ejects more or less water upon the slate or glass plate, according as more or less pressure has been applied to the disk C. The ejected water is then spread over the surface of the slate or glass, and the said surface of the slate is washed and cleaned by rubbing it with the felt-plate G.

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

In a slate and glass cleaner, the combination, with apertured bed and socket E F, of the compressible ball A, set about half-way in the socket, and provided with two diametrically-opposite valves, C D, on the ends of the same axial rod B, as shown and described.

LOUIS JOHN HALBERT.

Witnesses:

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