

No. 786,802.

PATENTED APR. 11, 1905.

W. A. FULLER.
BRUSH OR BROOM MOISTENER.
APPLICATION FILED JAN. 8, 1904.

Fig. 1.

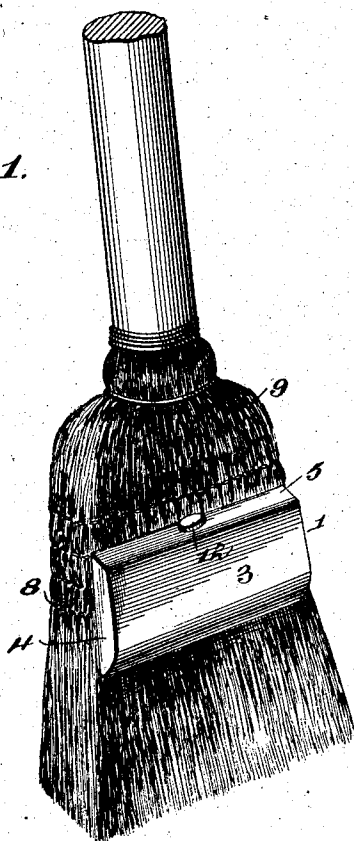


Fig. 2.

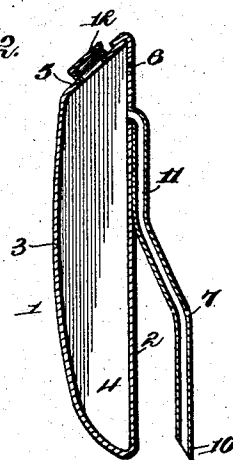
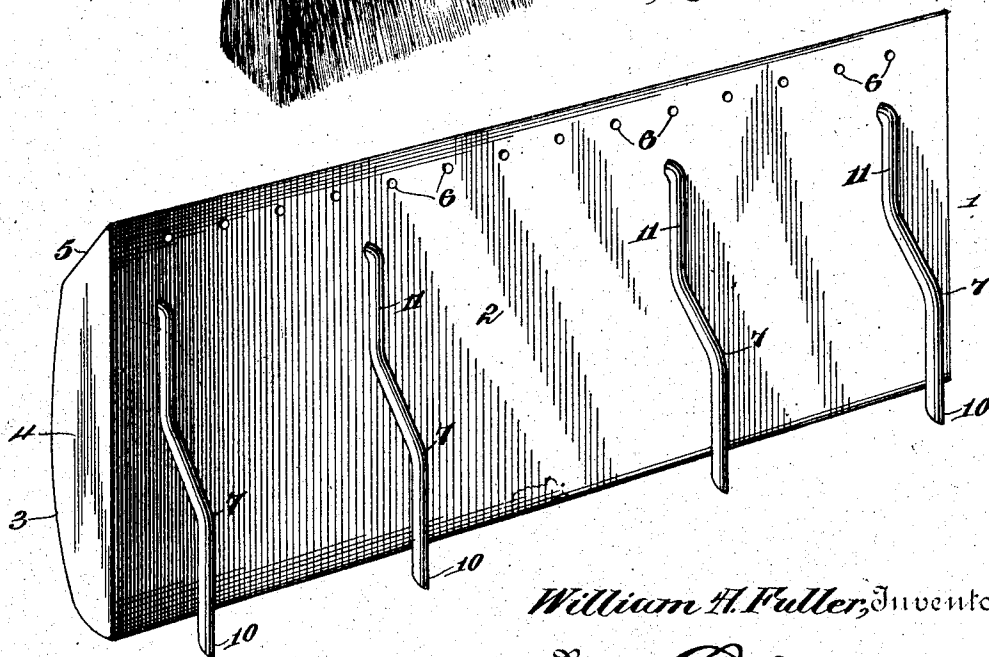


Fig. 3.



William H. Fuller, Inventor

By

E. J. Siggers

Attorney

Witnesses
Louis C. Starke
J. F. Riley

UNITED STATES PATENT OFFICE.

WILLIAM A. FULLER, OF MARIETTA, OHIO.

BRUSH OR BROOM MOISTENER.

SPECIFICATION forming part of Letters Patent No. 786,802, dated Apr. 11, 1905.

Application filed January 8, 1904. Serial No. 188,215.

To all whom it may concern:

Be it known that I, WILLIAM A. FULLER, a citizen of the United States, residing at Marietta, in the county of Washington and State of Ohio, have invented a new and useful Brush or Broom Moistener, of which the following is a specification.

The invention relates to improvements in brush and broom moisteners.

The object of the present invention is to improve the construction of brush and broom moisteners and to provide a simple, inexpensive, and efficient device adapted to be quickly applied to and removed from an ordinary broom and designed to contain water, oil, or an antiseptic solution and capable of enabling the discharge of the same to be controlled by the person using the broom, whereby a too rapid and undesirable discharge of the contents of the moistener is prevented.

A further object of the invention is to provide a neat and attractive moistening device of this character adapted to discharge its contents both internally and externally of a broom, to increase the effect of the same, and to enable the means for attaching the device to a broom to serve also as means for discharging the contents of the moistener.

The invention has also for its object to provide a broom-moistener from which the contents will be discharged only when the broom is arranged nearly in a horizontal position, whereby the discharge of the contents of the moistener will be prevented when the broom is in an upright position for sweeping.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a portion of a broom provided with a moistening device constructed in accordance

with this invention. Fig. 2 is a vertical sectional view of the moistening device. Fig. 3 is a detail perspective view of the moistening device, showing the inner or rear side of the same and illustrating the arrangement of the hollow liquid-discharging hooks.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a reservoir designed to contain water or oil for laying the dust or an antiseptic solution and constructed of sheet metal or other suitable material and consisting of a straight inner side or back 2, an approximately bowed front 3, and ends 4, the front having a slightly-curved intermediate portion and angularly-disposed upper and lower portions, the upper portion 5 being adapted when the reservoir is partially inverted or brought to nearly a horizontal position to direct the liquid contents to discharge-openings 6. The back or inner side 2 is perforated at intervals near its upper edge to form the discharge-openings 6, and the water or liquid escaping through these openings will be discharged on a broom at the exterior thereof. In order to increase the effect of the moistener and prevent waste of the contents thereof, a series of hollow liquid-discharging and supporting hooks 7 is provided. These hooks are adapted to engage the bottom row 8 of stitches of a broom 9, whereby the moistening device is applied to the same, and the said hooks extend into the interior of the broom and are adapted to discharge the contents of the moistener at different points within the broom. The hooks extend from the upper portion of the back of the reservoir to approximately the bottom thereof, being beveled or cut away at their lower ends to provide points 10 for enabling them to be readily inserted in a broom. The upper portions 11 of the hooks are suitably secured to the moistener, and the upper terminals of the hooks pierce the inner or rear side of the moistener and communicate with the interior thereof. These hooks consist of short tubes, and their upper terminals may be arranged at any desired point adjacent to the top of the reservoir.

The top of the reservoir is provided with a

suitable filling-opening having a projecting flange and normally closed by a screw-cap 12; but any other suitable means may be employed for supplying the reservoir with water or
5 other liquid. The reservoir is narrow, and it is preferably tapered toward the top to conform generally to the configuration of a broom, and it will present a neat and attractive appearance when applied to the same. When
10 the broom is brought to approximately a horizontal position, the contents of the reservoir are caused to flow to the top thereof and a quantity of the contents will be discharged both internally and externally of the broom,
15 and when the broom is in an upright position during use the discharge-openings and the upper end of the hollow hooks which constitute the discharging means will be located above the surface of the liquid, and the latter
20 will thereby be prevented from escaping from the reservoir. The discharge of the liquid is thereby placed under the control of the person using the broom, and there is no liability of a too rapid discharge.
25 Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A moistener of the class described, comprising a reservoir provided with means for
30 mounting it on a broom, and having a discharge-outlet arranged at the top of the reservoir to permit a free discharge of the contents of the same when the broom is inclined and adapted to cut off the flow when the broom
35 is in an upright position.

2. A moistener of the class described, provided with means for discharging its contents
40 interiorly of a broom, and for affording a free discharge of its contents when the broom is inclined, and for cutting off the flow when the broom is in an upright position, substantially as described.

3. A moistener of the class described provided with a hollow broom-engaging hook, communicating with the interior of the moistener at the upper portion thereof, and forming a discharge-tube, the latter being arranged to permit a free discharge of the contents of the moistener when the same is partially inverted, and to cut off the flow when the broom
50 is in an upright position, substantially as described.

4. A moistener of the class described, comprising a reservoir provided at the upper portion of its inner side with openings for discharging its contents exteriorly of a broom,
55 and hollow supporting-hooks communicating with the interior of the reservoir at the upper portion thereof arranged to discharge the contents of the reservoir interiorly of a broom
60 substantially as described.

5. A moistener of the class described, comprising a reservoir having a straight back and a bowed front, the back being provided at its upper portion with discharge-openings, and
65 the bowed front having an angularly-disposed top portion forming the top of the reservoir, and supporting-hooks forming discharge-tubes and communicating with the interior of the reservoir at the upper portion of the same,
70 said openings and discharge-tubes being arranged to permit a free discharge of the contents of the reservoir when the same is partially inverted, and to cut off the flow when the broom is in an upright position, substantially
75 as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM A. FULLER.

Witnesses:

CLARENCE A. PERKINS,
M. F. GILMAN.