

W. L. HOOKS.
BROOM.
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1,043,429.

Patented Nov. 5, 1912.

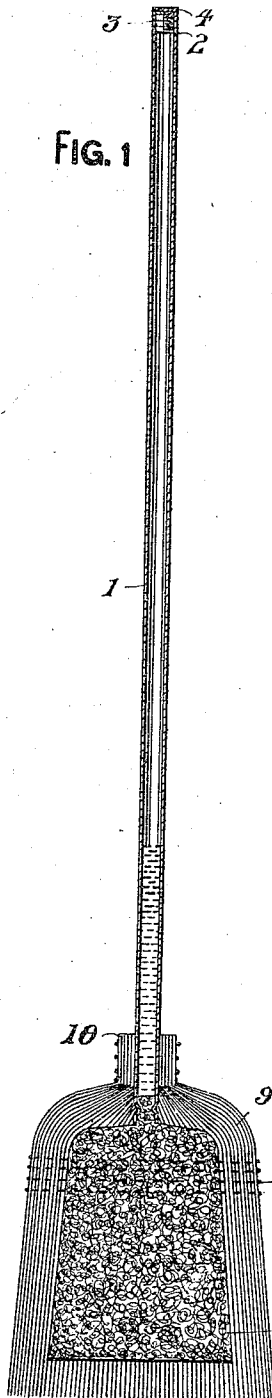


FIG. 1

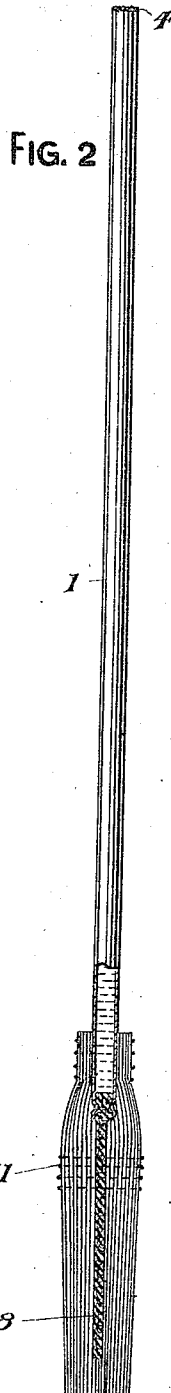


FIG. 2

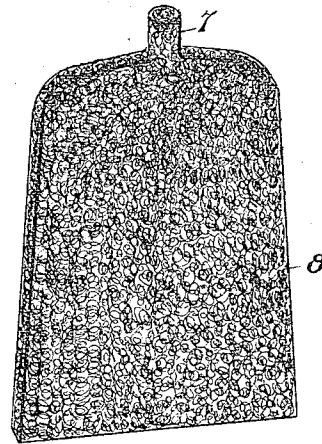


FIG. 3

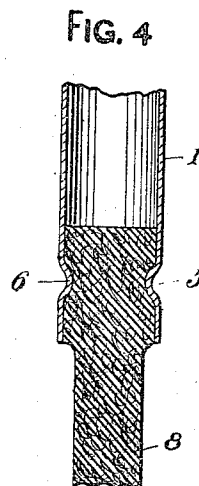


FIG. 4

WITNESSES:

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UNITED STATES PATENT OFFICE.

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BROOM.

1,043,429.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM L. HOOKS, a citizen of the United States of America, residing at Mars, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Brooms, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to brooms, and my invention aims to provide:—first, a broom with a hollow handle that will serve functionally as a reservoir for a liquid adapted to be fed to the bristles or splints of the broom; second, a broom head with a cavity adapted to contain an absorbent material that will hold liquid in suspension; third, a broom that can be used without raising a dust when sweeping; fourth, a broom of light and durable construction that can be manufactured at a minimum cost, and fifth, a broom having the head thereof provided with an absorbent body, and which head can be renewed without discarding the handle of the broom.

The invention further aims to accomplish the above results by a combination of elements that will be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a vertical sectional view, of a broom constructed in accordance with my invention, Fig. 2 is a side elevation of the broom partly broken away and partly in section, Fig. 3 is an enlarged perspective view of an absorbent body adapted to form part of the head of the broom, and Fig. 4 is an enlarged detail sectional view of the lower end of the handle of the broom.

The reference numeral 1 denotes a tubular handle, or rod which can be made of metal or any other light and durable material. The upper end of the handle 1 has the inner walls thereof screw threaded, as at 2 to receive an exteriorly screw threaded plug 3 having a knurled cap 4. In lieu of this plug a cork or other stopper can be used. The tubular handle or rod 1 serves functionally as a reservoir for water or other liquid, and the lower end of said handle is

instructed, as at 5 to provide an annular inwardly projecting portion 6 adapted to engage the stem or shank 7 of a body 8, said stem and said body being made of an absorbent material, as felt or fiber. The body 8 conforms in shape to that of the head and surrounding said body are straws, bristles or splints 9 that inclose the body. These straws have the upper ends thereof bound, as at 10, upon the lower end of the tubular handle 1, above the portion 6. The straws 9 extend below the lower edge of the body 8. As the bridle 11 has its stitching not only passing through the straws or bristles but also through the pad or body 8, it will be readily understood that said pad, through its connection with the handle acts to fix the broom straws and the head formed thereby to prevent such head moving longitudinally of the handle without the necessity for employing a separate means as in the usual construction.

The contents of the tubular handle or reservoir will maintain the absorbent material moist; also the straws, bristles or splints inclosing said body, and this moisture will increase the longevity of the broom head, as the straws, bristles or splints will be maintained flexible and prevented from breaking when pressure is brought to bear upon the broom head. In keeping the straws, bristles or splints damp, dust is prevented from arising when sweeping, and in some instances oil or other preparations can be used in lieu of water. Furthermore, the pad 8, being of a size to cause its lower end to approach the free ends of the straws or bristles, acts as a support to stiffen the broom head and render the broom more efficient in use.

While in the drawing there is illustrated a preferred embodiment of the invention, it is to be understood that the structural elements thereof are susceptible to such changes in the size, shape and manner of assemblage as fall within the scope of the appended claim.

What I claim is:—

A broom comprising a hollow handle, a pad of absorbent material having a neck extending into the lower end of the handle and secured thereby, said neck acting to control

the passage of moistening material from the handle, and a broom head secured to the handle and having its bridle stitches extending through the pad, said stitches and
5 the securing of the pad neck to the handle acting to prevent movement of the head longitudinally of the handle.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM L. HOOKS.

Witnesses:

S. E. WALTERS,
MAX H. SROLOVITZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."