

J. E. HEWETT.

BROOM.

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1,112,906.

Patented Oct. 6, 1914.

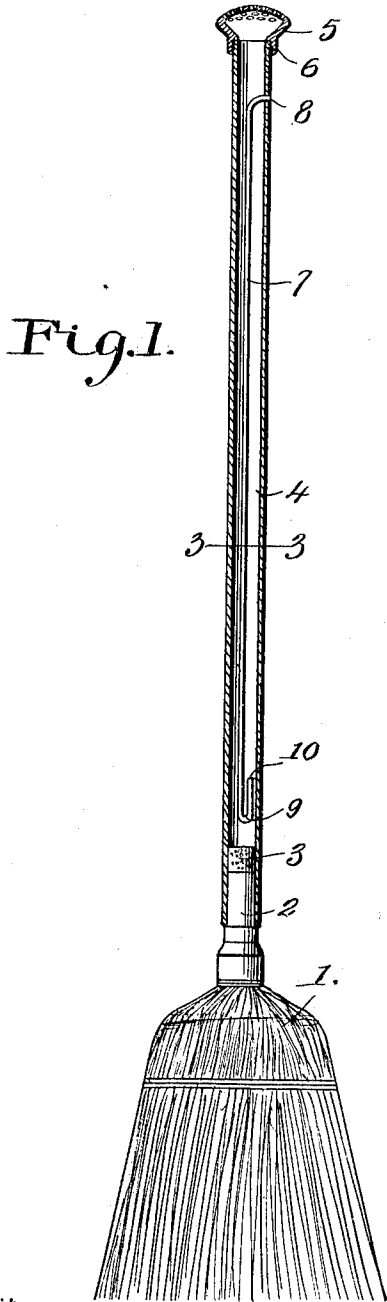


Fig. 1.

Fig. 2.

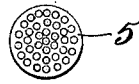


Fig. 3.

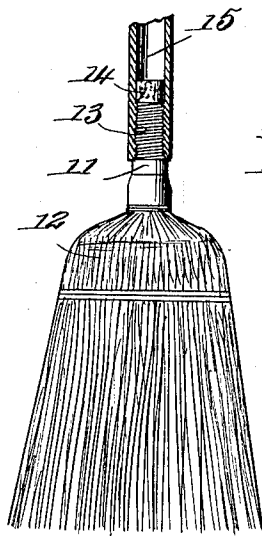


Fig. 4.

Witnesses
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By

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UNITED STATES PATENT OFFICE.

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BROOM.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN E. HEWETT, a citizen of the United States, residing at Wilmington, in the county of New Hanover and State of North Carolina, have invented certain new and useful Improvements in Brooms, of which the following is a specification.

This invention relates to improvements in brooms, and has primarily for its object to provide a device of that class wherein a reservoir for liquid disinfectant is formed within the handle of the broom.

A further object of the invention contemplates the provision of a detachable hollow handle to which the head of the broom is rigidly secured, the latter serving as a closure or stopper therefor, while the opposite end of the handle is provided with a detachable nozzle through which the contents (preferably a liquid disinfectant) may be sprayed or otherwise dispensed at intervals during a sweeping operation, the dispensing of the disinfectant being accomplished by inverting the broom and permitting the disinfectant to run out as occasion demands.

The invention still further aims to provide a simple and compact broom wherein the advantages above mentioned may be readily effected without increasing the cost of manufacture to any material extent.

The above and additional objects are accomplished by such means as are illustrated in their preferred embodiment in the accompanying drawings, described in the following specification, and then more particularly pointed out in the claim which is appended hereto.

In describing the invention in detail, reference will be had to the accompanying drawings, wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a longitudinal sectional view of a broom, the head thereof being shown in elevation; Fig. 2 is a top plan view of the broom handle; Fig. 3 is a section on the line 3—3 of Fig. 1; and Fig. 4 is an elevation, a part of the handle being shown in section, of a modified form of attaching means for the broom head.

Referring now to the drawings wherein is illustrated the preferred embodiment of my invention, the numeral 1 designates the head of the broom from the upper extremity of which the usual stock 2 projects, the latter

terminating in a stopper 3, the purpose of which will subsequently appear. Arranged to embrace the stock 2 throughout the greater portion of its length and to entirely encompass the stopper 3, I provide a hollow or tubular handle 4 the lower extremity of which frictionally engages the said stock 2 to retain the latter rigid with respect to the handle, the stopper forming a liquid tight closure therefor. Upon the opposite end of the handle 4 is detachably secured a perforate nozzle 5 of any suitable shape, the said nozzle being preferably threaded as at 6 to the handle 4 as illustrated to advantage in Fig. 1 of the drawings. An air vent 7 is arranged within the handle 4, one end of the vent opening exteriorly of the handle as at 8 near the top thereof, and the opposite end being bent upwardly as at 9 and terminating at a point 10 within the exterior of the handle at a point adjacent the stopper 3, which arrangement will permit a free dispensation of the liquid contents of the container (preferably disinfectant) by inverting the broom so as to permit the said disinfectant to flow freely through the perforations or apertures of the nozzle 5.

Referring now to the modification shown in Fig. 4, the stock 11 of the broom head in this instance is exteriorly threaded as at 13 and provided with the usual stopper 14, the threaded portion of the stock, as well as the stopper 14, being received by the handle 15 which is interiorly threaded at its lower extremity to render the attachment of the head 12 thereto more secure than that effected by the frictional engagement of the stock 2 with the handle 4 of the preferred form.

From the above, taken in connection with the accompanying drawings it will be seen that a liquid disinfectant may be sprinkled upon the surface to be swept by merely inverting the broom and permitting the said disinfectant to flow through the apertures of the nozzle; that a free flow of the disinfectant is insured by the provision of the vent 7 arranged within the handle 4 in the manner above described; and that the filling of the handle may be accomplished by detaching the head 1 therefrom, or, if desired, by removing the nozzle 5.

It will be understood that the above description and the accompanying drawings comprehend only the general and preferred embodiment of my invention and that vari-

ous minor changes in the details of construction, proportion and arrangement of parts may be made within the scope of the appended claim, and without sacrificing any
5 of the advantages of my invention.

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

10 In a broom, the combination with a broom head having a stock projecting therefrom, and a stopper carried by said stock, of a hollow tubular handle open at each end, one end of said handle being arranged to embrace and frictionally engage said stock and
15 stopper, the latter providing a closure therefor, a nozzle detachably arranged over the

opposite end of said handle, and an air vent disposed within said hollow handle, the said vent terminating at a point adjacent said stopper in a bent portion to prevent pas- 20 sage of the liquid contents of the handle thereinto, the opposite end of said vent being open to the exterior of the handle at a point adjacent said nozzle, as and for the purpose set forth. 25

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

JOHN E. HEWETT.

Witnesses:

E. BOWSKY,
R. L. SHOLAR.

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