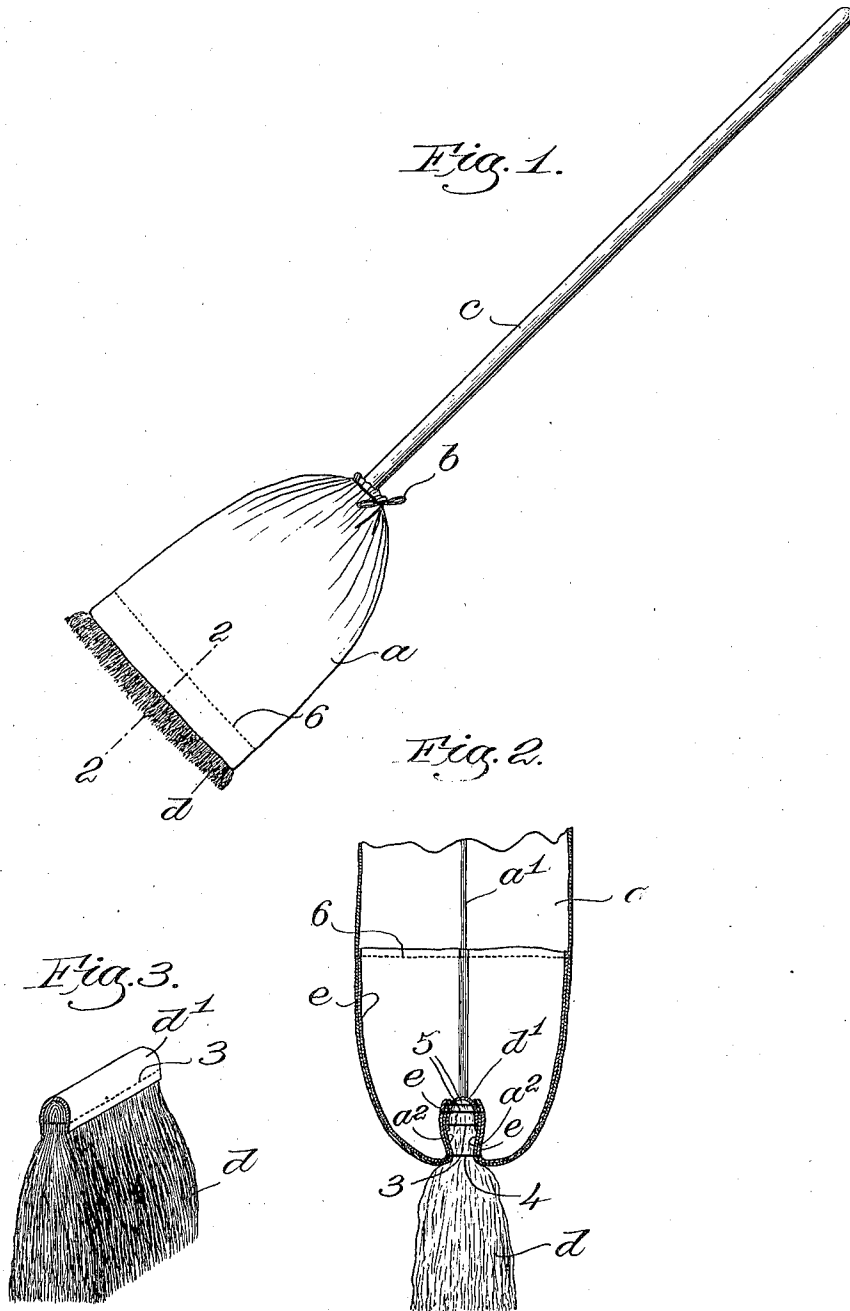


J. S. ATWATER.
DUSTER COVER FOR BROOMS AND BRUSHES.
APPLICATION FILED MAY 1, 1912.

1,036,775.

Patented Aug. 27, 1912.



Witnesses.
Thomas Drummond
Warren O'Neil.

Inventor.
John S. Atwater,
by Edward H. Smith.
attys.

UNITED STATES PATENT OFFICE.

JOHN S. ATWATER, OF EVERETT, MASSACHUSETTS, ASSIGNOR TO HOWARD DUSTLESS DUSTER CO., OF BOSTON, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

DUSTER-COVER FOR BROOMS AND BRUSHES.

1,036,775.

Specification of Letters Patent.

Patented Aug. 27, 1912.

Application filed May 1, 1912. Serial No. 694,506.

To all whom it may concern:

Be it known that I, JOHN S. ATWATER, a citizen of the United States, and resident of Everett, county of Middlesex, State of Massachusetts, have invented an Improvement in Duster-Covers for Brooms and Brushes, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention has for its object the production of an improved duster cover for use in connection with ordinary brooms and brushes, whereby a desirable device is provided for dusting floors, walls or ceilings in a convenient and efficient manner.

The duster cover, in accordance with my invention, is made preferably of suitable and rather loosely woven textile fabric of a dust-absorbing character in the form of a bag, to receive and inclose the broom or brush, the mouth of the bag being drawn closely around the handle, the cover fabric being in practice treated with a suitable chemical compound which assists in holding the dust particles in the fabric.

In order to prevent the free ends of the broom straws from being pushed through the lower end of the duster cover I have provided a reinforce for the latter, herein shown as a lining of close-woven material, such as cambric, which effectually prevents penetration of the cover fabric by the straws.

The duster cover at its lower end is provided with a mop made up of a bunch of coarse strands of cotton or other suitable yarn, firmly attached to the cover and extending from side to side of the cover across its end. Such mop is very useful when the cover is utilized for rubbing up polished or waxed floors, the strands of the mop providing a relatively large and soft mass of fibrous material.

The various novel features of my invention will be fully described in the subjoined specification and particularly pointed out in the following claims.

Figure 1 is a perspective view of a broom having a duster cover applied to the head thereof and embodying my invention; Fig. 2 is an enlarged cross sectional detail of the cover, taken on the line 2—2, Fig. 1; Fig. 3 is a perspective view of a portion of the mop and its heading.

The duster cover *a* is made as a bag of suitable dimensions to inclose the head of a broom or brush, as the case may be, the open mouth of the cover having a draw string *b*, Fig. 1, by means of which it can be drawn closely around the handle *c*, to thereby hold the cover securely in place.

The cover is made of a suitable dust-absorbing textile fabric, preferably rather loosely woven, such as cheese cloth or bunting, and treated chemically in any desired manner to assist in retaining the dust particles in the fabric.

To form the bag the piece of fabric is seamed up one side, as at *a'*, Fig. 2, and closed across its lower end, and herein I have shown the bottom edges inturned, at *a''* and of ample depth, in order to properly and securely maintain the mop in place.

The mop *d*, which is made up of strands or looped ends of coarse and soft yarns in a manner ordinarily employed in mops, is provided with a heading *d'*, which is a piece of stout fabric bent around the top or head of the mop and tightly secured thereto by through and through stitching, as at 3. This construction compresses the head of the mop and holds the strands securely in place.

The heading *d'* is inserted between the inturned edges *a''* of the cover, as shown in Fig. 2, and the parts are firmly united, by stitching at 4, below the heading and passing completely through the mop yarns, and preferably by a double line of stitching through the edges *a''* and the heading *d'*. Manifestly this work is performed when the cover is turned inside out, and when completed the cover is turned so that the body of the mop is outside the cover and extends from one to the other of its side edges, while the heading is within the cover and serves as a stop or abutment for the end of the broom or brush head.

I have found that the free ends of the broom straws tend to work through the cover *a* if some means is not provided to prevent such action, and to that end I provide the lower end of the cover with a reinforce, conveniently made as a lining of some closely woven fabric which will resist penetration by the straws.

The protective lining or reinforce may be cambric, as I have found it very efficient, and it is sewed to the cover before the mop

is attached thereto, the reinforce being shown at *e*, Fig. 2, at the lower or closed end of the cover, stitched thereto at 6.

As will be seen by inspection of the drawing the reinforce is co-extensive with the edges *a*² of the cover, and the stitching 4 and 5 passes through the reinforce and secures the same in place at such points.

The reinforce need extend but a relatively short distance up from the closed end of the cover *a*, as its function is to prevent the free ends of the broom straws from sticking through the cover.

Should the straws protrude their sharp ends would tend to scrape or scratch the surface over which the duster is passed, and in many cases would injure it.

The improved duster cover embodies all of the desirable features of a dust cloth and mop combined, as will be apparent, the mop enabling the device to be used with particular efficiency when dusting cornices or other recessed portions of a wall or ceiling, which otherwise would be difficult of access, and it is of great use in polishing floors or sweeping down walls.

In practice the mop will be treated chemically in the same way that the cover is treated.

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

1. As an article of manufacture, a duster cover made of a soft textile fabric in bag form to inclose the head of a broom or brush,

and a mop attached to and extended across the closed lower end of the cover.

2. As an article of manufacture, a bag-like cover of dust-absorbing textile fabric adapted to inclose the head of a broom or brush, the transverse edges of the cover at its lower end being inturned, a mop having its head inserted between said inturned edges, and stitching permanently uniting the mop head and the inturned edges, the body of the mop being exposed at the exterior of the closed end of the cover.

3. As an article of manufacture, a bag-like cover of dust-absorbing textile fabric adapted to inclose the head of a broom or brush, the transverse edges of the cover at its lower end being inturned, an elongated mop having an attached heading of flexible material, the headed portion of the mop being inserted between the inturned edges of the cover, through and through stitching permanently uniting the said edges and the mop and traversing the heading thereof, and a second line of stitching passing through the inturned edges and the mop below the heading to permanently connect the parts thereat.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN S. ATWATER.

Witnesses:

D. R. KINSLEY,
A. B. SMITH.