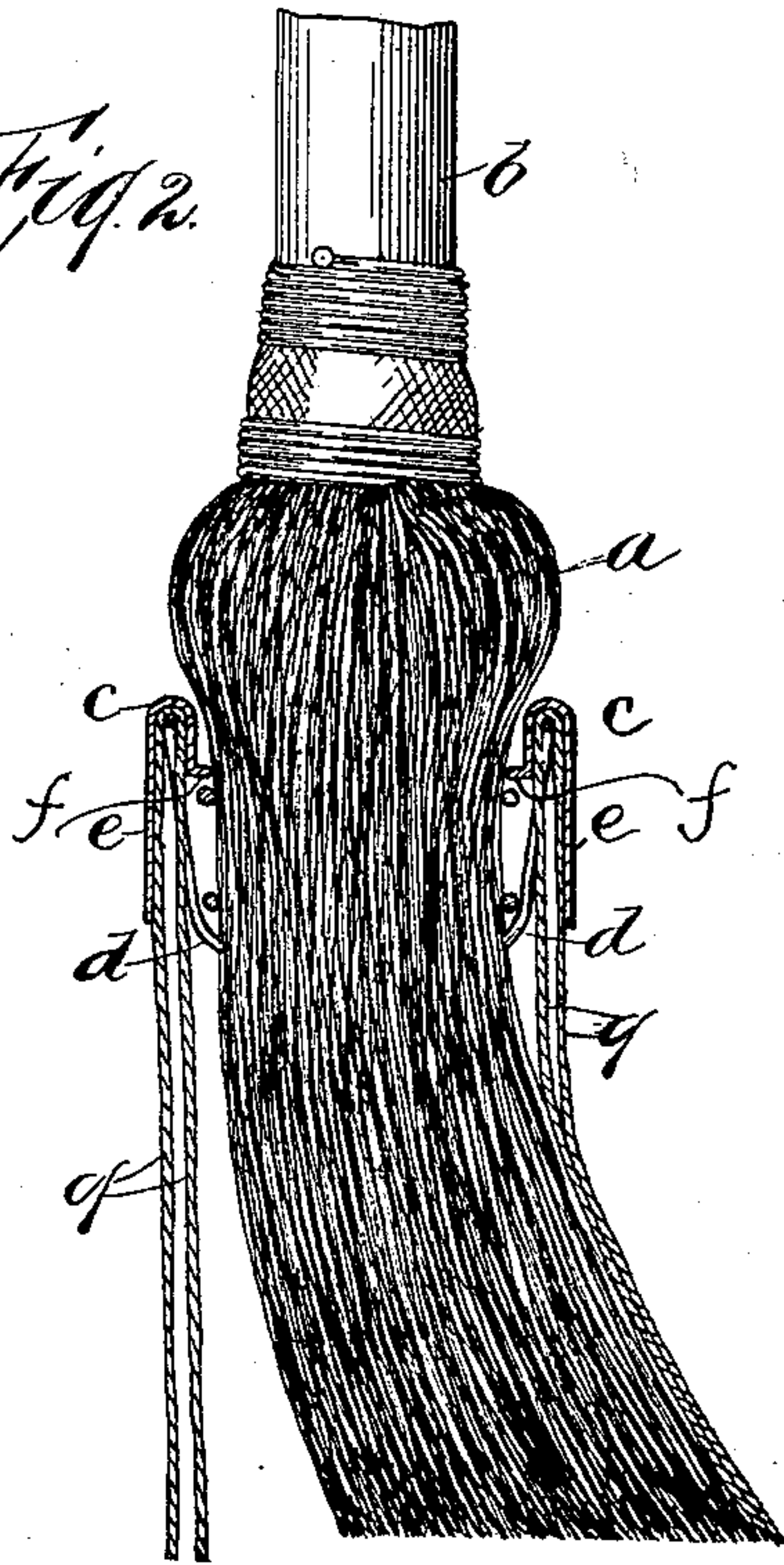
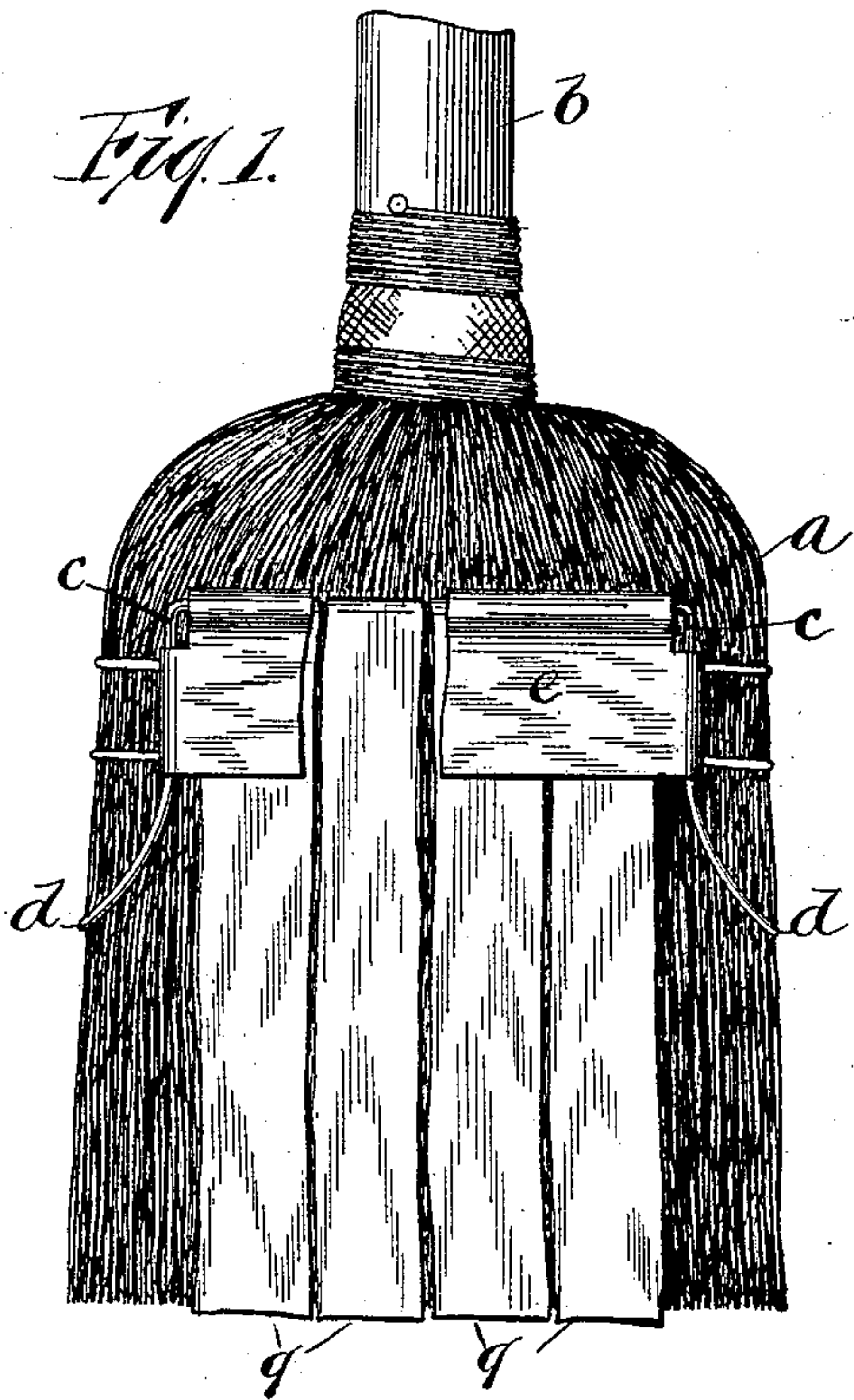


(No Model.)

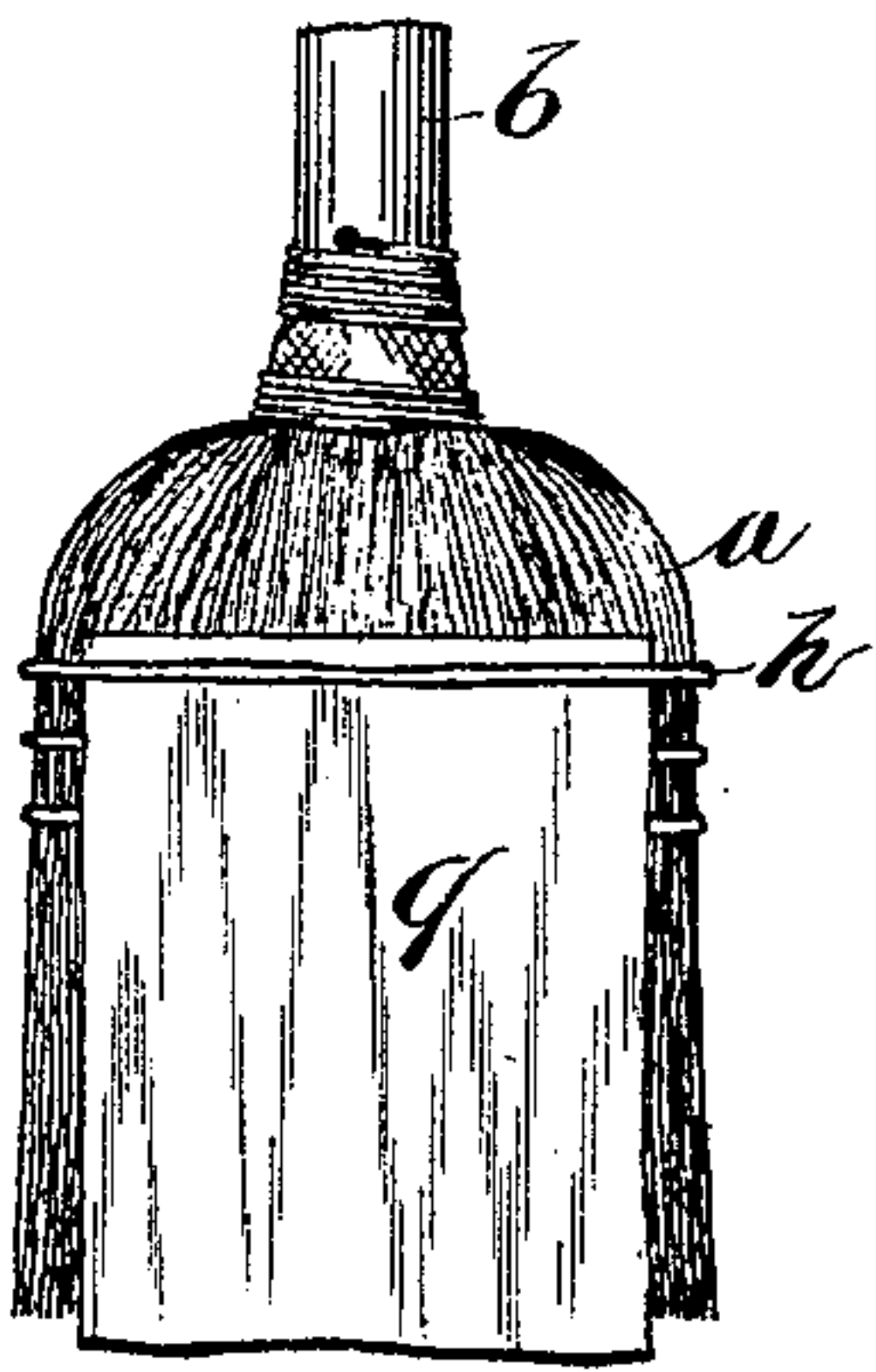
A. A. SAWYER.  
DUST COLLECTOR FOR BROOMS.

No. 590,775.

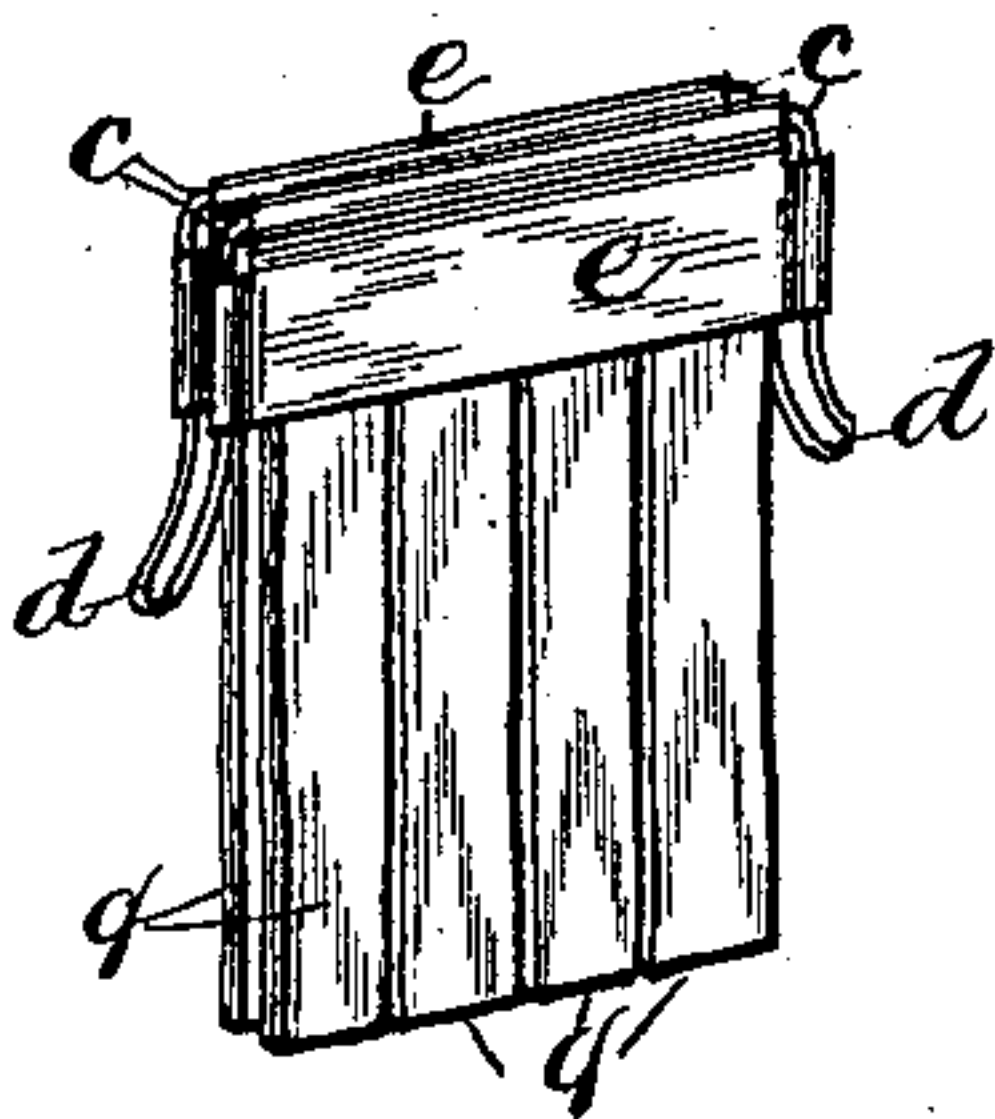
Patented Sept. 28, 1897.



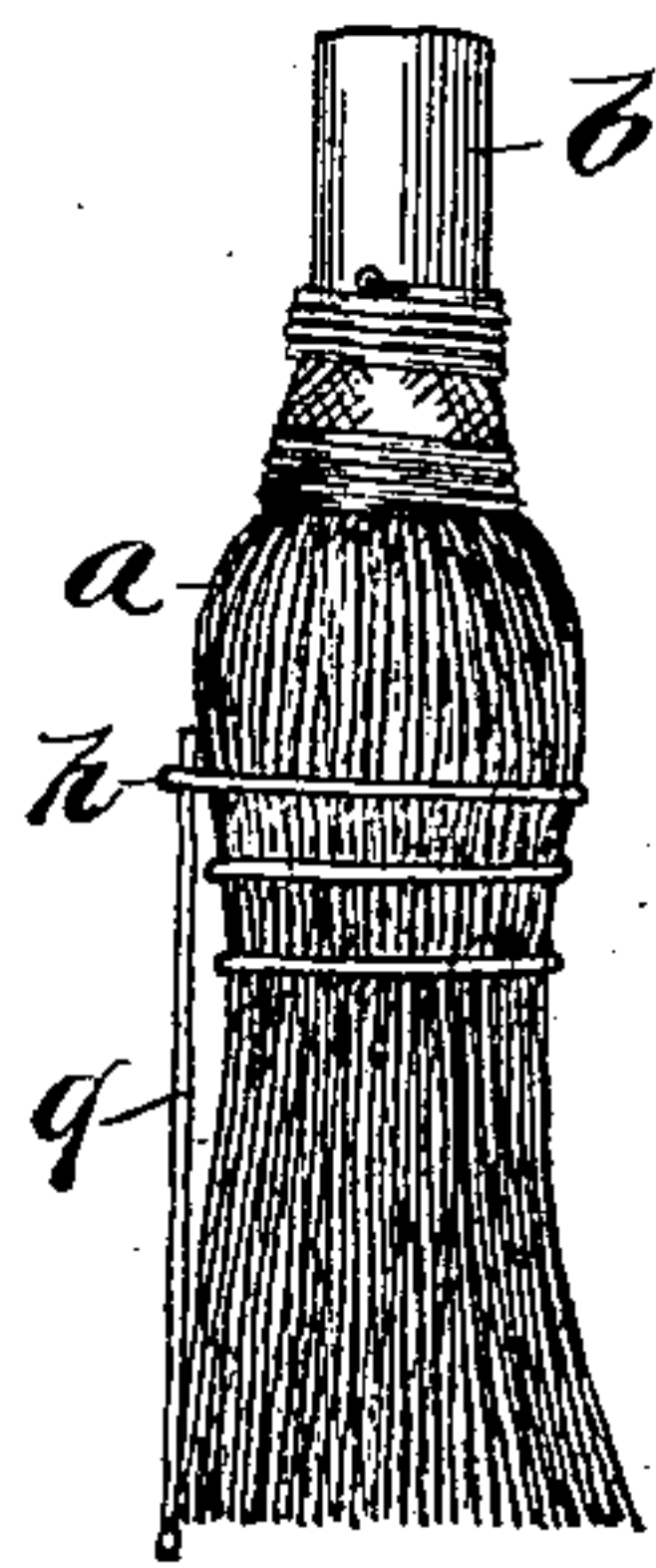
*Fig. 4.*



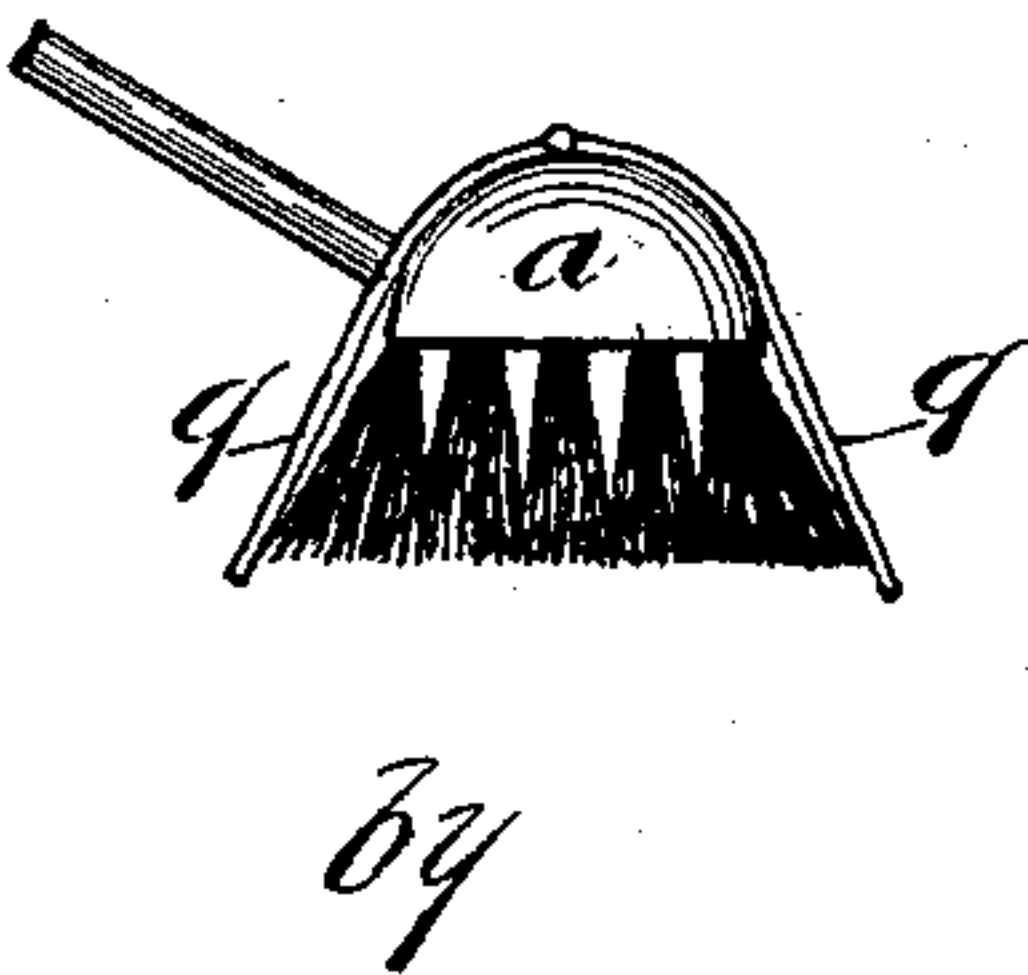
*Fig. 5.*



*Fig. 3.*



*Fig. 6.*



Witnesses:  
R. A. White,  
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Albert A. Sawyer,  
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# UNITED STATES PATENT OFFICE.

ALBERT A. SAWYER, OF CHICAGO, ILLINOIS.

## DUST-COLLECTOR FOR BROOMS.

SPECIFICATION forming part of Letters Patent No. 590,775, dated September 28, 1897.

Application filed January 16, 1897. Serial No. 619,469. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT A. SAWYER, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful  
5 Improvements in Dust-Collectors for Brooms, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which corresponding letters  
10 of reference in the different figures indicate like parts.

The object of my invention is to so combine with an ordinary broom one or more moistening flaps or fringes of cloth, felt, or other suitable fabric or moisture-retaining material  
15 that the same may coact with the broom in such a manner as to prevent dust from rising when the broom is used and cause its collection and retention upon the moistened attachment or collector.  
20

To these ends my invention consists in the combination of elements hereinafter more particularly described and claimed.

In the drawings, Figure 1 is a side view of  
25 a broom, showing my improved dust-collector applied thereto. Fig. 2 is a vertical sectional view thereof, showing the preferred manner of attaching said device. Fig. 3 is an edge view showing a modification of said invention.  
30 Fig. 4 is a side view thereof. Fig. 5 is a perspective view of said dust-collector as it would appear when detached from the broom; and Fig. 6 is an edge view of an ordinary dust-brush, showing said invention applied thereto.

Referring to the drawings, *a* represents an ordinary broom, having the usual handle *b*. Adapted to surround the body of the broom is a wire *c*, which is preferably of a spring temper and formed so as to constitute two  
40 parallel rods upon opposite sides of the broom, as clearly shown in Fig. 2, and bent downwardly at the sides so as to form U-shaped springs, as shown at *d*. Sheet-metal plates *e* are bent over the wire *c* at the top and sides  
45 for the purpose of more securely holding the wire frame in shape and detachably securing it to the body of the broom. That portion of the plate *e* next to the broom is bent toward the body of the broom and provided with a

series of teeth *f* for clasping the body of the  
50 broom. Looped over or attached to the wires *c* beneath the sheet-metal plate *e* is one or more folds or flaps *g*, of cloth, tape, twine, or other suitable fabric or absorbent material, forming a single flap or fringe upon one or  
55 both, but preferably both, sides of the body of the broom and extending from at or near the top to the bottom or slightly below. I prefer to employ a series of ribbons or strips of cotton listing or other desirable material,  
60 as shown in Figs. 1 and 2. The ribbons are permitted to hang down loosely in the form of a fringe, and when the broom is used they are wet and wrung out, so as to be sufficiently damp to collect and retain more or less dust  
65 thereon, but more especially to cause the bulk or body of the dust as it is swept before the broom to become sufficiently dampened so as not to rise in clouds or eddies, but to collect in a body, which may be readily swept before  
70 the broom the same as if some dampening material, such as moistened sawdust, were added thereto.

Although the dust-collector may be removed from the broom at will it is not necessary to  
75 remove it in order to clean or dampen the flaps, but it may be changed from one broom to another as often as the brooms become worn out.

It is obvious that the absorbent dust-collectors may be variously constructed and attached to the broom in various ways or permanently attached thereto in any convenient manner when the broom is made without departing from the principle of my invention.  
85

In Figs. 3 and 4 I have shown a modification of said invention in which a single piece of cloth, felt, or absorbent material is employed, which may be attached by means of a cord or an elastic band *h* or permanently  
90 stitched to the broom when made, but I prefer the construction shown in Fig. 1; nor do I confine myself to any particular kind of broom, inasmuch as it may be applied with equal advantage to the ordinary brush-broom,  
95 as shown in Fig. 6.

Having thus described my invention, I claim—

As an improved article of manufacture, a  
dust-collector for brooms consisting of a de-  
tachable frame or clasp adapted to embrace  
the body of the broom and provided with flaps  
5 or strands of absorbent material adapted to  
hang loosely against the body of the broom  
when in use, substantially as described.

In testimony whereof I have signed this  
specification, in the presence of two subscrib-  
ing witnesses, this 12th day of January, 1897. 10  
ALBERT A. SAWYER.

Witnesses:

D. H. FLETCHER,  
FRANK H. DRURY.