

No. 772,867.

PATENTED OCT. 18, 1904.

T. H. BROWN.
BROOM.

APPLICATION FILED JAN. 14, 1904.

NO MODEL.

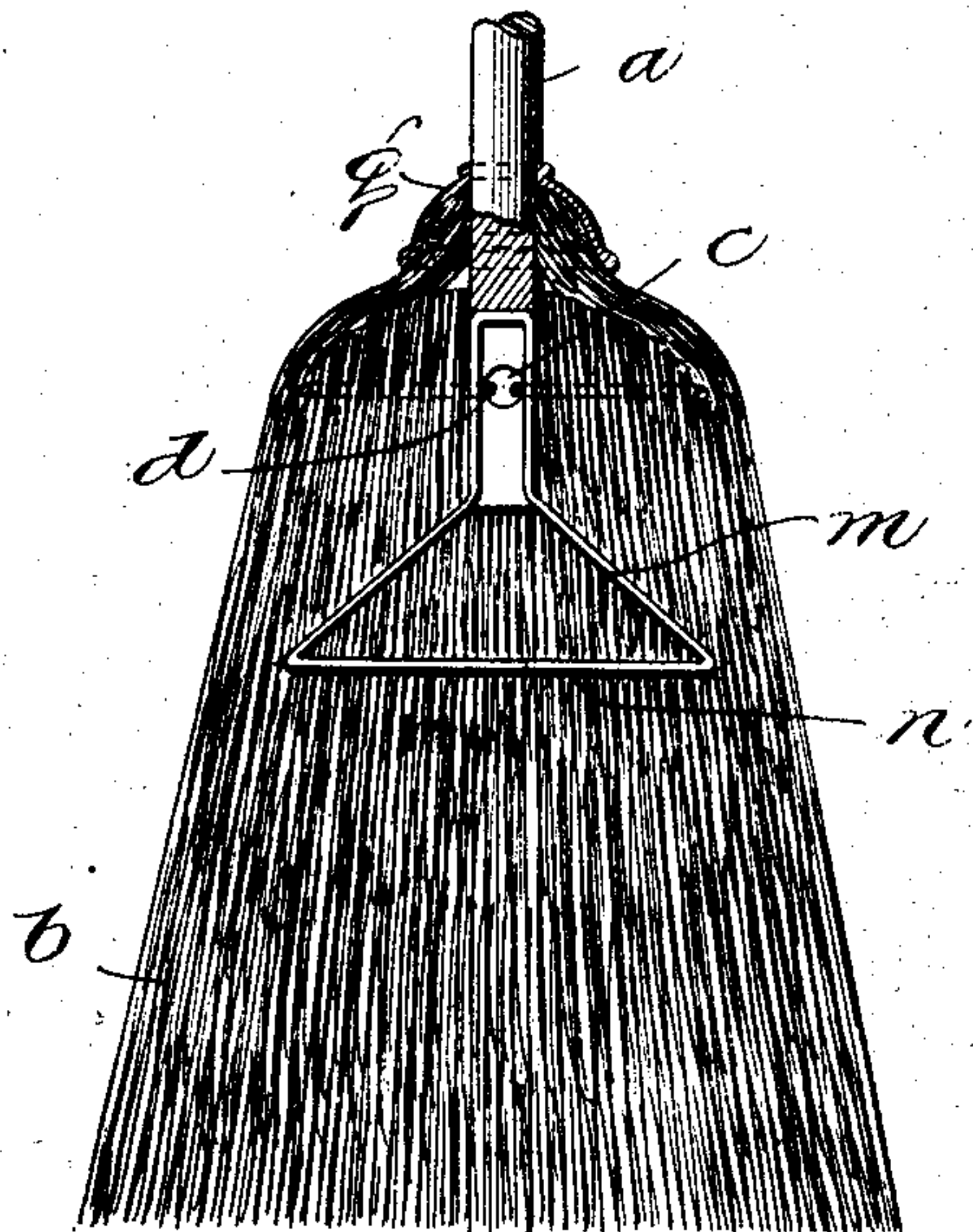


Fig. 1.

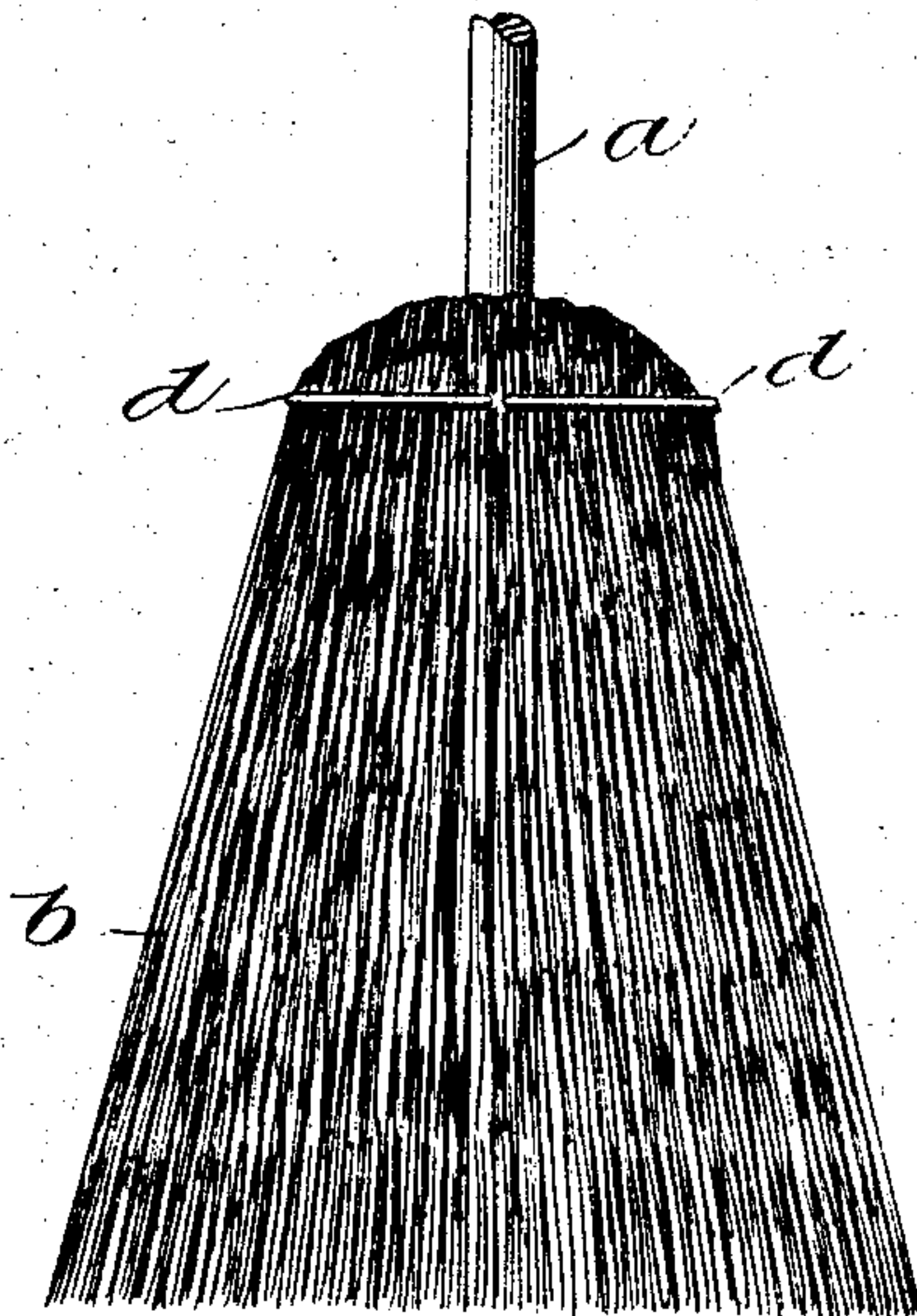


Fig. 2.

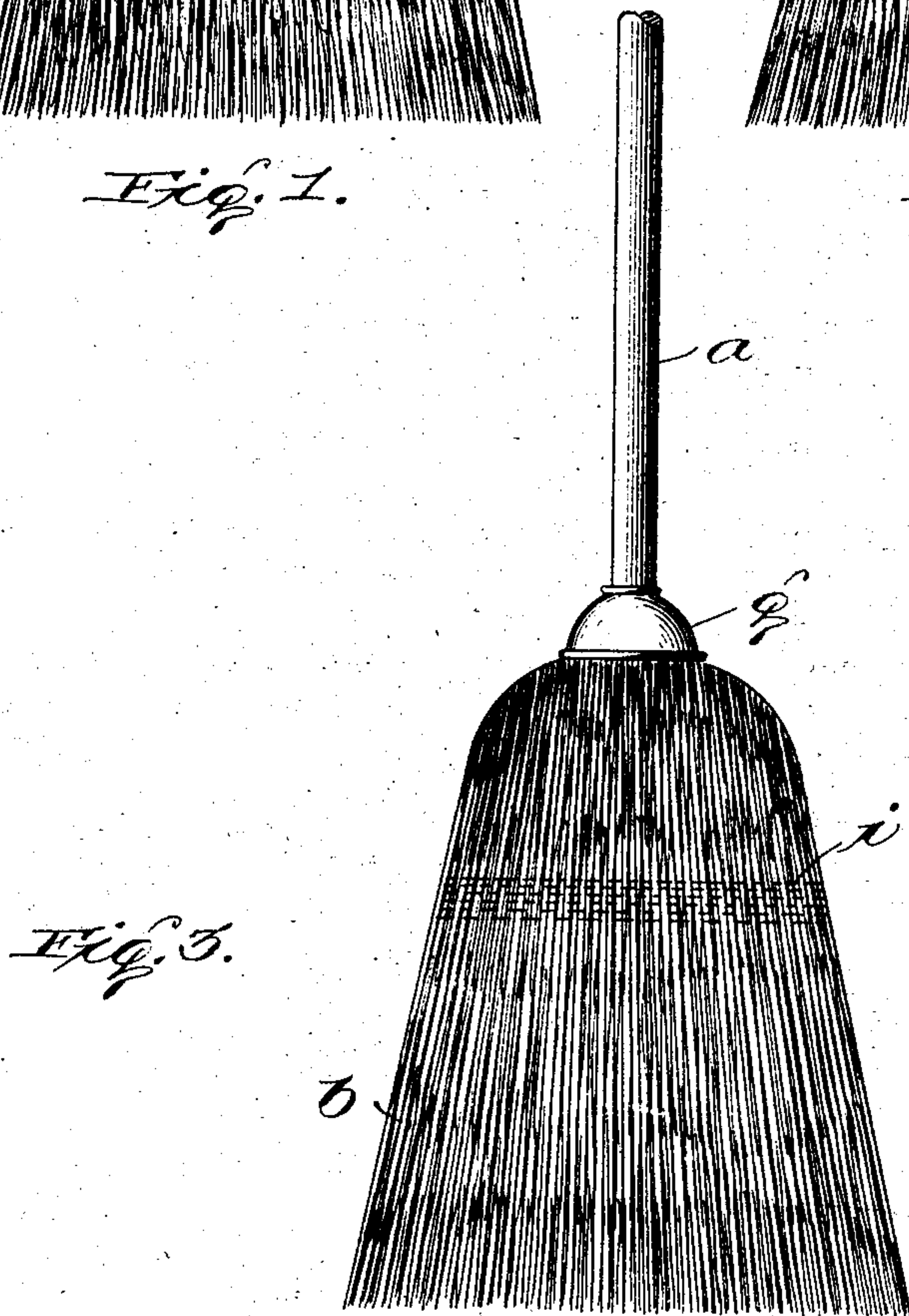


Fig. 3.

WITNESSES:

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THEODORE H. BROWN, OF VIROQUA, WISCONSIN.

BROOM.

SPECIFICATION forming part of Letters Patent No. 772,867, dated October 18, 1904.

Application filed January 14, 1904. Serial No. 189,020. (No model.)

To all whom it may concern:

Be it known that I, THEODORE H. BROWN, a subject of the King of Great Britain, residing at Viroqua, in the county of Vernon and State of Wisconsin, have invented certain new and useful Improvements in Brooms, of which the following is a specification.

My invention relates to brooms, and more particularly to means for retaining the broom-corn in a compact brush and binding the same to the broom-handle and for providing a yielding brace for said brush.

With this and other objects in view my invention comprises the arrangement and combination of component parts and the details of construction to be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which illustrate a preferred embodiment of my invention, Figure 1 shows the same in sectional elevation. Fig. 2 is a detail view, and Fig. 3 is a side elevation.

As premised, my invention aims to provide a broom, such as is commonly used for domestic purposes, which may be manufactured at a low cost and will be highly efficient in use and of pleasing general appearance. It includes, essentially, a handle *a* and broom-brush *b*. One end of the former is extended a short distance into the body of the brush and is provided with a transverse opening *c*. Extending through the opening and around the upper part of the major portion of the broom-corn forming the complete brush is a binding-wire *d*, which serves to firmly secure said brush to the handle. This wire is covered in the completed brush by a surface or outer layer of material, having the upper ends of the broom-corn comprising the same gathered about the handle and bound thereto. Fitting over these ends is a rubber cup *g*, which is fitted to the handle and gives a finished appearance to the whole article, this cup replacing the usual metal band of the ordinary broom of commerce. The intermediate portion of the surface layer of material is held to the main body by ordinary transversely-disposed rows of stitching *i*.

In order to yieldingly brace the broom-body, I place therein a spring-frame secured to the broom-handle and having a part disposed in the line of the greatest width of the broom-body. This frame is indicated in the accompanying drawings by the letter *m*, and in the illustrated exemplification of this part it comprises a substantially triangular frame bent from a single piece of resilient wire having its ends secured in the broom-handle. As shown, the base *n* of the triangle extends in the direction of the greatest width of the broom-body and is embedded centrally therein at about the point of the rows of stitching *i*. The sides of the angular frame extend toward the end of the broom-handle and terminate in portions that run parallel therewith on opposite sides thereof, having angular extremities secured in the latter.

The construction and effect of my invention will be readily understood upon reference to the foregoing description and accompanying drawings, and it will be appreciated that the parts and combinations recited may be varied within a wide range without departing from the spirit and scope thereof.

Having thus described my invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a broom, the combination with a handle having a slotted end, of a head or brush in which said slotted end is embedded, and a brace comprising a flaring body portion extending from the lower end of the handle and inclosed within the head or brush, said brace having a shank portion located in the slot of the handle and substantially inclosed by said handle.

2. In a broom, the combination with a handle having a slotted end, of a head or brush in which said slotted end is embedded, and a brace formed of a single wire and comprising a substantially triangular body portion having a tapered end located at the lower end of the handle, said body being inclosed within the head or brush below the handle, and a shank portion forming an integral part of the body and comprising wires located longitudinally in the slot of the handle.

3. In a broom, the combination with a handle having a slotted lower end, of a head or brush inclosing the slotted end, a flaring brace embedded in the head or brush and having an
5 upstanding shank portion comprising spaced elements located longitudinally in the slot in the handle, and a binding device inclosing a portion of the brush or head and passing trans-

versely through the handle between the spaced shank elements. 10

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

THEODORE H. BROWN.

Witnesses:

C. J. SMITH,

I. S. GRIFFIN.