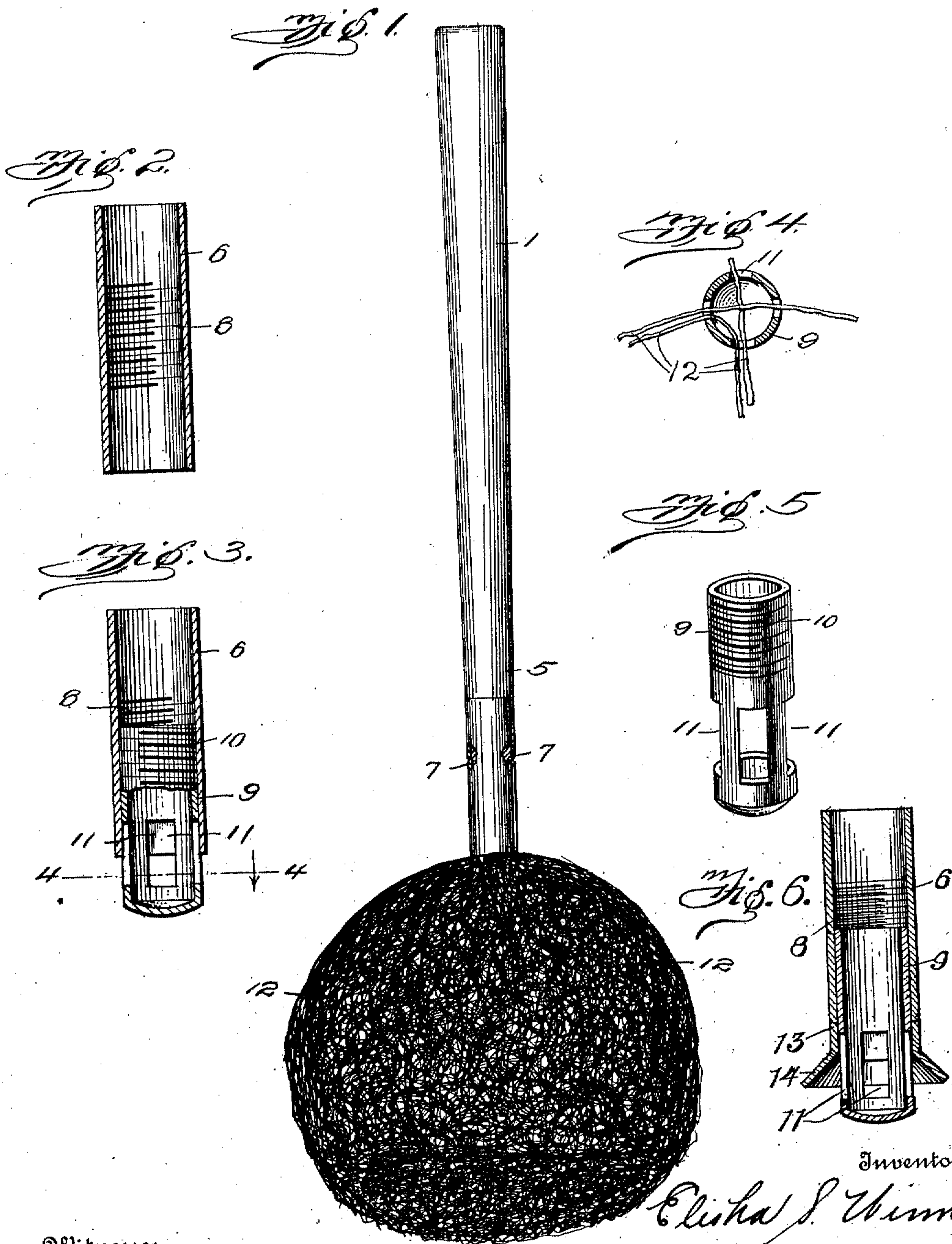


E. S. WINN.
DUSTING BRUSH.
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Patented Feb. 14, 1911.

983,965.



Witnesses
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ELISHA S. WINN, OF CULLODEN, GEORGIA.

DUSTING-BRUSH.

983,965.

Specification of Letters Patent.

Patented Feb. 14, 1911.

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To all whom it may concern:

Be it known that I, ELISHA S. WINN, a citizen of the United States of America, and resident of Culloden, in the county of Monroe and State of Georgia, have invented certain new and useful Improvements in Dusting-Brushes, of which the following is a specification.

An object of this invention is to provide a dusting brush in which paper is used as the brush fiber as I have found it advantageous to employ paper as a substitute for feathers or cloth, although the clamping members forming a part of this invention may be advantageously used for holding material other than paper and I do not, therefore, wish to be limited with respect to the material to be employed.

A further object of this invention is to provide a hole in which the brush fibers may be clamped in position and to which the brush fibers may be applied in a manner to produce a brush of symmetrical contour and of practically uniform external surface on all sides.

A further object of this invention is to provide a brush having a fiber clamping device to which the parts may be readily applied in order that the brush fibers may be renewed at a comparatively small cost, thus enabling the purchaser of a brush and its handle to renew the brush as it becomes worn.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, in which—

Figure 1 illustrates a view in elevation of a brush embodying the invention; Fig. 2 illustrates a detail view of one of the two clamping members; Fig. 3 illustrates a detail view of the two clamping members co-acting one with the other; Fig. 4 illustrates a sectional view on the line 4—4 of Fig. 3, with a few strands of fiber added; Fig. 5 illustrates a detail view of the other of the two clamping members; and Fig. 6 is a detail showing the application of the conical shaping member.

In these drawings 5 denotes a handle which may be of ordinary construction, preferably of wood which may have its outer end slightly reduced to receive the tubular member 6, said tubular member having material struck therefrom to form the spurs 7 which are embedded in the handle for the purpose of anchoring the said tubular member. The tubular member extends beyond the end of the handle and is threaded internally as shown at 8 and is preferably of such diameter as to receive the clamping member 9, which is also provided with threads 10 at one end to engage the threads of the tubular member. The end of the clamping member opposite the threaded end has apertures 11 for receiving the brush material.

I have shown the tubular member 9 as having openings 11, on four sides which are designed to receive fiber 12 from which the brush is formed. I have here shown the fiber as comprising strips of paper extending through an aperture in the clamping member on one side and through an aperture of the clamping member on the side at right angles to the sides to which the said fiber is applied; thus the opposite ends of the fiber are on adjacent sides of the clamping member instead of on opposite sides thereof and I have found in practice that this method of applying the fiber to the clamp results in forming a brush which is more symmetrical in its outline. My invention also contemplates placing the fibers at right angles to other fibers, each being entered at one of the apertures 11, and extending through the oppositely disposed aperture. Both methods of applying the fibers are shown in Fig. 4. After the fiber has been applied to the aperture of the clamp, the said clamp may be screwed into the cylindrical member until the end of said cylindrical member bears wholly against the fiber and clamps it to such an extent that accidental displacement of the said fiber is prevented. After the fiber of the brush has become worn, the clamping member may be removed or partially removed from the cylindrical member and the said clamping member may be refilled to any extent desired after which the parts may be again adjusted to clamp the fiber therein as heretofore described.

The collar 13 surrounds the clamping member and is slidably mounted thereon, the

said collar having one end abutting against the sleeve and having its outer end flared as shown at 14.

I claim—

- 5 A brush comprising a handle, a sleeve attached to the handle at one end and extended beyond the same, the extended portion being internally threaded, a cylindrical clamping member provided with screw threads at one
10 end adapted to engage those provided in the sleeve and on its other end with apertures

for the reception of brush material and a collar surrounding said clamping member and slidably mounted thereon, said collar adapted at one end to abut against said sleeve and being flared at the other end.

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

ELISHA S. WINN.

Witnesses:

U. S. FULLER,

I. H. COSTLEN.