

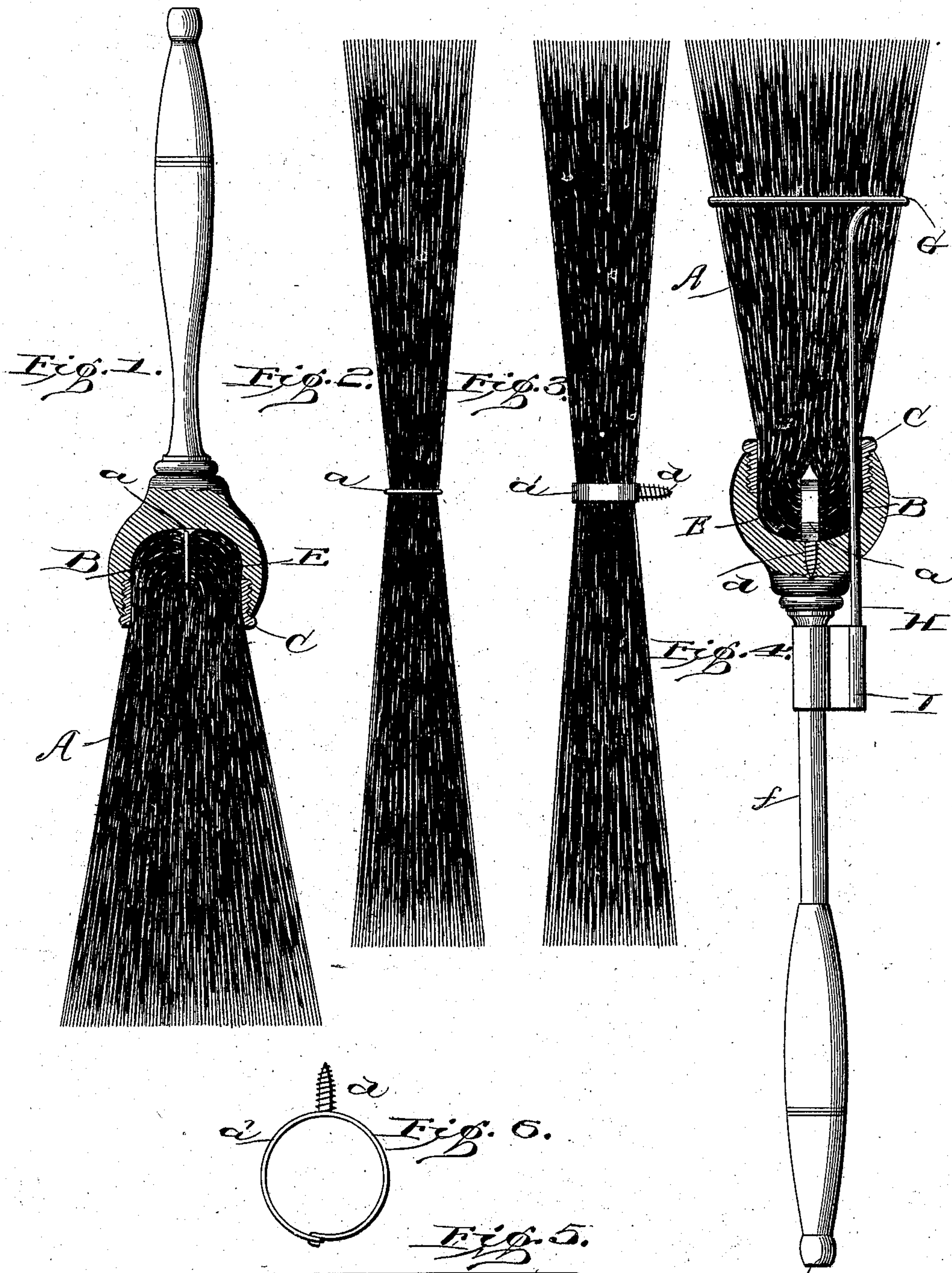
No. 815,593.

PATENTED MAR. 20, 1906.

G. KOCH.

DUSTING BRUSH.

APPLICATION FILED DEC. 27, 1904.



WITNESSES:

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DUSTING-BRUSH.

No. 815,593.

Specification of Letters Patent.

Patented March 20, 1906.

Application filed December 27, 1904. Serial No. 238,522.

To all whom it may concern:

Be it known that I, GUSTAV KOCH, a citizen of the United States, residing at New York, Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Dusting-Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to that class of brushes which are particularly adapted for use in dusting off objects such as bric-à-brac, furniture, hangings, and also by barbers for brushing the short hairs off the faces and heads of customers after hair-cutting.

The object of this invention is to provide an economical dusting-brush and means for connecting the same with a handle by which the head of the brush is compressed in a socket in the end of the handle, and when a brush is worn out it can be removed and replaced by another and the handle thus used repeatedly.

In the accompanying drawings, Figure 1 represents the improved brush or duster and the handle thereof, which is partly shown in section. Fig. 2 represents a bunch of the filaments secured together at the center preparatory to being formed into a brush. Fig. 3 represents another mode of connecting the filaments together and showing also the device for connecting the brush with the handle. Fig. 4 represents the brush made from the filaments fastened together, as shown by Fig. 3, and connected with the handle, which is shown partly in section, also illustrating the device for holding the filaments in the brush together above the handle.

Referring to the drawings, A represents a brush which is composed or made up of slender flexible hair-like filaments, preferably the stems of Indian grass, which are of a uniform diameter and possess great flexibility and strength. A bunch of these filaments of, say, twice the length of the brush are laid together lengthwise and fastened together at the center by means of the wire band *a*. The bunch is then doubled, bringing the two ends together and forming the head B. All the filaments or fibers being bound together by means of the wire band at the center, they are

held positively in the ring, and they cannot fall out or be pulled out in use, and thus loss of fibers is avoided and the durability of the brush insured. The head B is drawn through a metal ring C, provided with exterior screw-threads. The handle D is formed with a socket E, interiorly screw-threaded at its outer end. To connect the brush with the handle, it is inserted in the socket in the handle, and the latter is screwed to the metal ring C, and the head is thus compressed between the metal ring and the bottom of the socket and the brush thereby firmly secured.

A cheaper but equally efficient method of connecting the brush with the handle is illustrated by Figs. 3 and 4. In this construction a metal strip F, Fig. 5, made from a flat strip of metal having a tongue at one end and a slot at the other, is formed into a band *a'* by passing the tongue through the slot and clenching the same, as shown by Fig. 6. The ring is provided with a screw *d*. The bunch of fibers, Fig. 3, is fastened by passing this band around the center of the bunch and fastening the ends together to form the ring, as heretofore described. The bunch is then doubled at the middle, leaving the screw projecting from the ring. The handle is provided with a socket, and the brush is connected with the same by inserting the head B in the socket and driving the screw into the bottom of the socket, as shown by Fig. 4. This makes a firm and durable connection between the brush and the handle.

Fig. 4 shows a ring C screwed into the socket B for compressing the head of the brush and securing it in the socket, in addition to the fastening by means of the screw *d*.

I claim—

1. In a dusting-brush a handle provided with an internally-screw-threaded socket, a brush composed of filaments doubled and fastened together at the center transversely by a band to form a head, which is inserted in the socket of the handle, and a screw-threaded ring passed over the brush and screwed into the socket to clamp the filaments together circumferentially and fasten the head of the brush in the socket, substantially as specified.

2. A dusting-brush made from a bunch of filaments doubled and secured together at

the middle by means of a metallic band which clasps the same, the doubled end with the metallic band forming a head, in combination with a handle having a socket into which
5 the head of the brush is inserted, and means for fastening the said head in the socket, substantially as specified.

In testimony that I claim the invention above set forth I have affixed my signature in presence of two witnesses.

GUSTAV KOCH.

Witnesses:

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ADOLPH RAUDNITZ.