

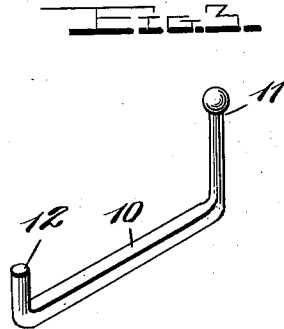
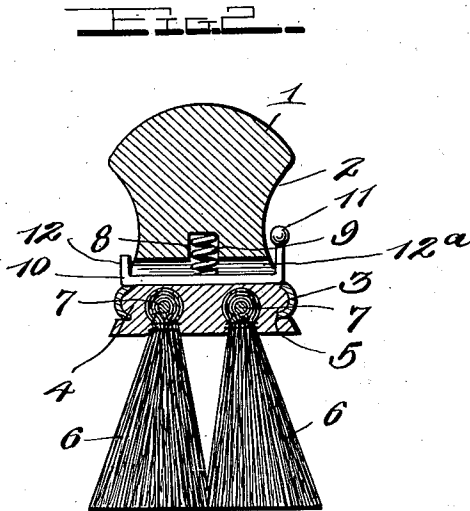
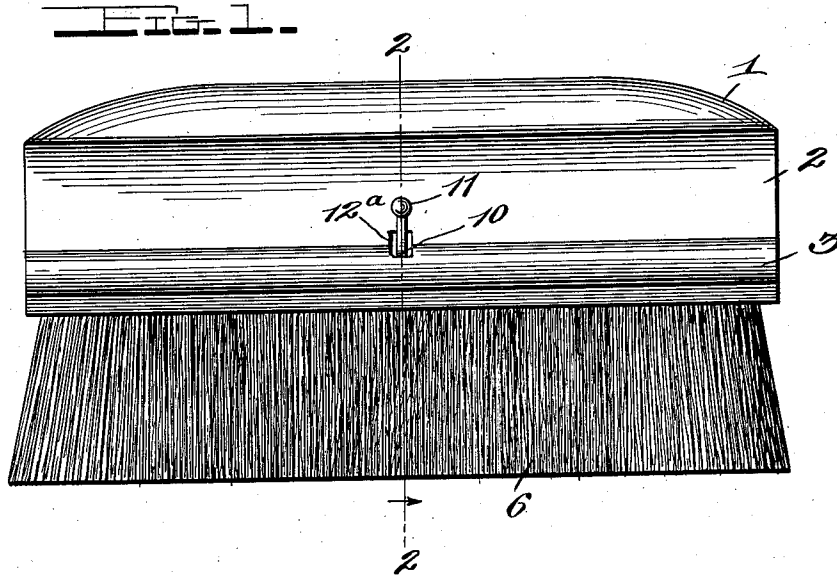
G. W. COPELAND.

BRUSH.

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1,028,547.

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BRUSH.

1,028,547.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, GEORGE W. COPELAND, a citizen of the United States, residing at Ensley, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Brushes, of which the following is a specification, reference being had to the accompanying drawings.

This invention comprehends certain new and useful improvements in brushes, and relates particularly to brushes of the type that are used by wall paper hangers.

As is well known to those versed in the art to which this invention appertains, it is customary for paper hangers to carry, in or with their kit, from eight to twelve dry brushes. Manifestly, these take up considerable room and are an encumbrance, particularly when it is considered that a paper hanger must usually also carry a ladder or trestles, and boards to be laid thereon.

With a knowledge of these conditions, it is the primary object of my invention to provide a dry brush for paper hangers, whereby the same handle or hand grip may be used with a plurality of brush heads, whereby the same grip may be used with all of the brushes and economy in space effected to a considerable degree. And the invention also aims to generally improve this class of devices and to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter more fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing in which,

Figure 1 is a side elevation of a brush embodying the improvements of my invention, and, Fig. 2 is a transverse sectional view thereof on the line 2—2, of Fig. 1. Fig. 3 is a detail perspective view of the latch.

Corresponding and like parts are referred to in the following description and designated in the accompanying drawing by like reference characters.

Referring to the drawing, the numeral 1 designates a brush handle of the ordinary type used with dry brushes, except, as here-

in specified, the sides of the brush being hollowed out or concave, as indicated at 2, whereby to provide a proper rest and grip for the operator's thumb and fingers.

In the present embodiment of my invention, a channeled retaining plate 3 is connected in any desired way to the handle 1, said plate being designed to receive the brush head 4 which is formed at its side edges with longitudinally extending grooves 5, whereby it may be slipped by an endwise movement into the channeled plate 3 and be retained therein in proper relation to the handle 1. Preferably, the head 4 is formed of some plastic substance in which the tufts or bristles 6 are embedded, the bristles being preferably wired around longitudinally extending retaining wires 7 embedded in the plastic substance of the head.

In order to retain the head in place, the handle 1 is formed intermediate of its ends with a socket 8 in which a coiled expansion spring 9 is mounted, said spring bearing against a transversely extending locking bar 10 which is adapted to be forced by the spring 8 into a depression formed in the head 4, whereby the head will be securely held as against any accidental longitudinal displacement. Preferably, the latch rod 10 is formed at one side of the handle 1 with an angularly disposed finger piece 11 and at its opposite end with a retaining lug 12. The handle 1 is formed with a transversely elongated recess 12^a adapted to receive the latch 10 in the released position of the latter.

From the foregoing description in connection with the accompanying drawing, the operation of my improved brush will be apparent. When the brush head 4 is slipped by an endwise movement into the channeled plate 3, that is secured to the handle 1, the latch bar 10 will be forced by the spring 9 into the depression in the head when the latch bar registers with said depression, and consequently, all endwise movement of the brush head is prevented. In order to slip the head out of the channeled plate 3 and to replace it by another, as desired, it is only necessary to grasp the finger piece 11 and retract the latch bar 10 from the depression in the head 4, whereupon the head may be easily slipped out of place. It will thus be seen that I may use any desired number of heads with the same handle, whereby space is economized as well as weight, and where-

by also the same hand grip may be used with a plurality of brush heads, the operator, at all times, using the particular hand grip to which he has become accustomed.

5 While the accompanying drawing discloses what I believe to be the preferred embodiment of my invention, it is to be understood that the invention is not limited thereto, but that various changes may be
10 made in the construction, arrangement and proportions of the parts without departing from the scope of the invention, as defined in the appended claims.

What I claim is:—

15 1. A brush of the character described, including a handle, a channeled plate secured to said handle, a brush head provided with bristles and adapted to be slipped by end-
20 wise movement into the channeled plate, the brush head being formed at one point with a depression, and a spring pressed latch bar carried by the handle and adapted to enter the depression in the head, whereby to pre-
25 vent the accidental longitudinal displacement of the latter.

2. As a new article of manufacture, a dry brush for use by wall paper hangers, including a handle, a channeled plate secured to the handle, a brush head provided with bristles and adapted to be slipped by an
30 endwise movement into the channeled plate, the handle being formed with a socket, an expansion spring mounted in said socket, a transversely extending latch bar formed at one end with a retaining lug and at its op-
35 posite end with an angularly disposed finger piece, the handle being formed with a transversely elongated recess in which the latch bar is mounted for movement, the spring bearing upon the latch bar moving it toward
40 the head, and the head being formed with a depression adapted for engagement by said latch bar, for the purpose specified.

In testimony whereof I hereunto affix my signature in the presence of two witnesses. 45

GEORGE W. COPELAND.

Witnesses:

C. F. CAMP,
LEE WHITE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."