

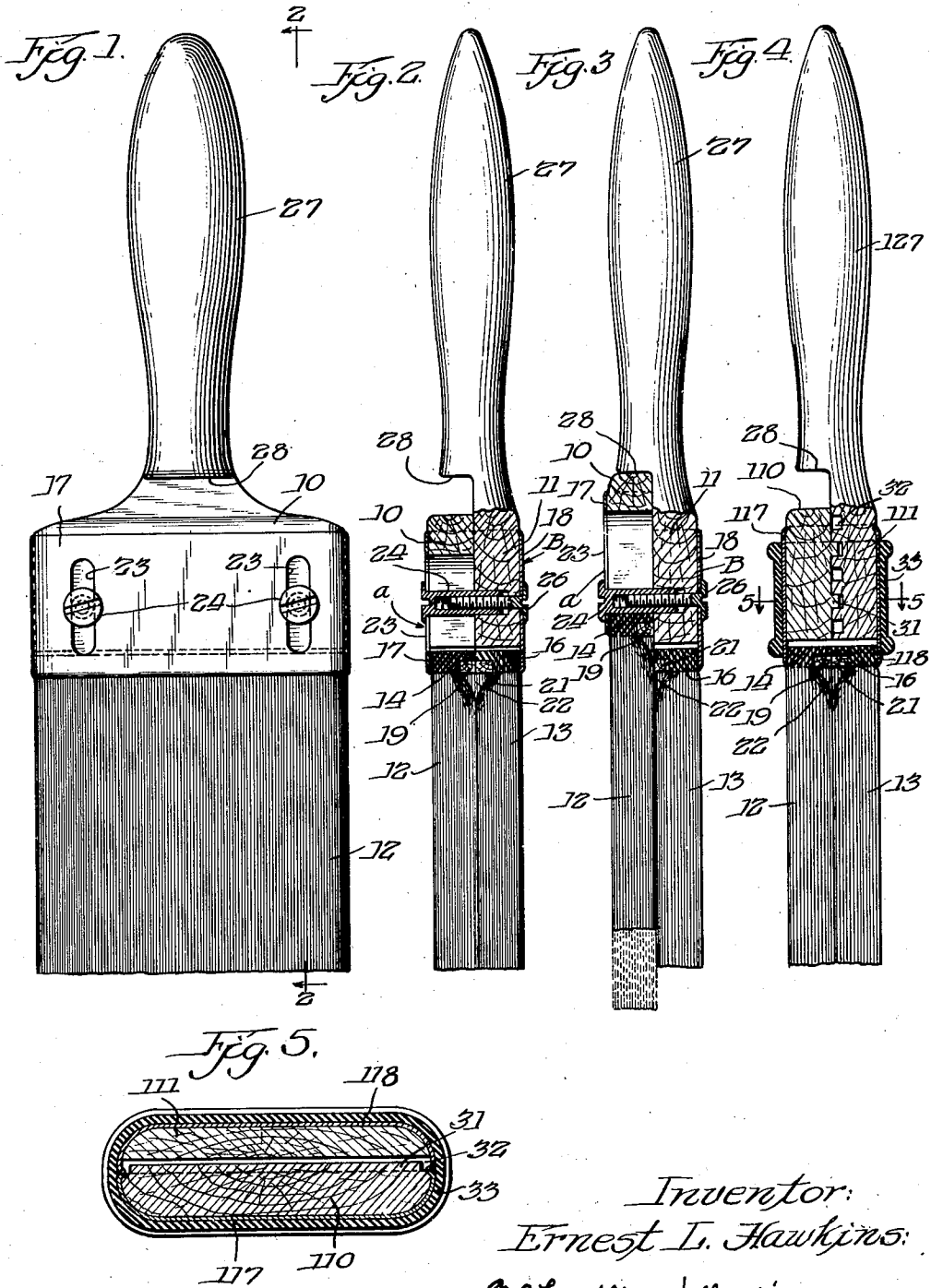
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PAINT BRUSH

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PAINTBRUSH

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4 Claims. (Cl. 15—201)

My invention relates to paint brushes. It relates more in particular to a plural-part brush having certain advantages in use and to facilitate cleaning, as will appear hereinafter.

The principal object of the invention is the provision of an improved paint brush wherein the body portion and bristles comprise two separable assemblies; and wherein the relative positions of said separable assemblies may be adjusted.

A further object is the provision of a paint brush as identified, having all of the usual characteristics of the conventional paint brush, including weight, balance and the like, but with further advantages not possessed by the usual paint brush.

Further objects and features of the invention will be apparent from a consideration of the following detailed description taken with the accompanying drawing, wherein

Fig. 1 is a side elevational view showing one embodiment of the invention;

Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 1;

Fig. 3 is a similar sectional view showing the parts in a different position, and including a dotted portion indicating still another position which the parts may occupy;

Fig. 4 is a longitudinal sectional view showing a modified construction; and

Fig. 5 is a transverse sectional view taken on the line 5—5 of Fig. 4.

In securing the objects of the invention, I provide a pair of body portion assemblies, each carrying a complement of bristles, and the body portion assemblies, taken together with their bristles, have substantially the exact dimensions, balance and weight as the corresponding body portion of a conventional paint brush. The two body portion assemblies are in face-to-face relation along a line running transversely and substantially centrally of the composite body portion comprising the two separable body portion assemblies, and one body portion assembly has integral therewith a usual type of handle, the handle, however, extending in a direction to virtually comprise a continuation of the composite body portion, whereby the usual position of the parts of a paint brush and balanced relation thereof is maintained. The separable body portion assemblies may be supported in a position so that the surface-engaging ends of the bristles occupy substantially a normal position and are generally in the same plane; or the parts may be supported in an adjusted relation wherein the

bristles of only one body portion assembly are in a position to engage a surface as in painting. The adjustment is such that the bristles on either one of the separable body portion assemblies may be extended, thus avoiding the possibility of uneven or unequal wear. The separable body portion assemblies, including the bristles, are held in position by means which are not affected by the presence of paint film, so that there is no likelihood of dried paint film preventing the separable body portion assemblies from being separated from each other. An advantage of the brush of my invention, in addition to the fact that it provides means wherein a single brush may be made to take the place of two or more brushes, is the fact that, when separated, the bristles are much more readily cleaned than is possible with the conventional type of brush.

Referring now first to Figs. 1 to 3, inclusive, I show body frame portions 10 and 11, each carrying a complement of bristles 12 and 13, respectively, the bristles being set in bases 14 and 16 of rubber or the like, and these bases being secured by suitable conventional means to the main body frame portions 10 and 11. Reinforcing strips 17 and 18 are provided around the sides and ends of the body frame portions and serve to assist in securing the base portions 14 and 16 in which ends of the bristles are imbedded to the body portions 10 and 11, respectively. It will be noted that inserts 19 and 21, formed of wood or the like, are molded into the base portions 14 and 16, thereby confining the imbedded ends of the bristles and leaving an open space 22 generally similar to a corresponding space provided in the conventional brush with the usual advantages attending its use. Thus I produce a pair of body portion assemblies A and B, adapted to be secured together to form a completed body portion of the brush.

The body frame portion 10 and supporting band 17 of assembly A are provided with a pair of slots 23 through which tubular internally threaded supporting members 24 extend, and the body frame portion 11 of assembly B is apertured to receive an exteriorly threaded supporting member 26 at each position occupied by a supporting member 24. Thus it is seen that a conventional nut and bolt type of support is employed, each part, however, engageable by a screw-driver or similar tool, and each of relatively light but strong construction. The parts, moreover, are so constructed and arranged that the threaded portions will not become fouled with paint, and there is no difficulty at any time

in releasing the supporting members and either adjusting the two assemblies comprising the paint brush body, or separating them entirely for cleaning or the like.

I provide a handle 27 which, so far as construction and position is concerned, corresponds to the usual paint brush handle. The handle 27, however, is integral with only the body frame portion 11, and has a cut-away portion terminating in a shoulder 28 against which the assembly A may be engaged in the manner indicated in Fig. 3. This leaves only the surface engaging ends of the bristles 13 in surface engaging position. If desired, the amount of adjustment need not be as great as indicated in Fig. 3, and, in addition, the adjustment may be in the opposite direction to place the surface engaging ends of the bristles 12 in the position indicated by the dotted lines in Fig. 3.

The embodiment shown in Fig. 4 in general is similar to the embodiment shown in Figs. 1 to 3, inclusive, so far as the general arrangement, adjustments, balance and weight of the brush are concerned. While, in the previously described embodiment, the engaging surfaces between the assemblies A and B are plane, the body frame member 110 is provided with a pair of tongues 31 and the body frame member 111 is provided with a plurality of grooves 32, all running transversely of the surfaces carrying them. A heavy rubber or like resilient band 33 is placed entirely around the composite body portion comprising the two assemblies, to hold the tongues in the grooves in which they are placed. It will be seen that in this embodiment also the relative positions of the separable body portion assemblies may be changed, and the surfaces carrying the tongues and grooves are protected so that paint will not enter and produce dried films which would interfere with the proper adjustability of the parts. Due to the ease with which the parts may be cleaned when separated, however, any slight entering of paint into the area between the two body portions may be corrected by a simple cleaning.

The remaining parts of the brush comprising the embodiment of Figs. 4 and 5 are substantially the same as shown in Figs. 1 to 3, and I have accordingly employed the same reference characters on Figs. 4 and 5 as on the figures illustrating the first embodiment, with, however, the prefix "I" in each instance. In the section of Fig. 5, it will be noted that the reinforcing bands 117 and 118 are turned in at their ends by a suitable forming operation to avoid the possibility of the edges comprising these ends being caught and pulled away from the parts with which they are associated. Usual fastening means, not shown, are used in addition to this intumed construction, however.

Thus, it will be seen that the paint brush of my invention may be used exactly as any ordinary paint brush is used, with the same balance and feel, and having the same functions as an ordinary brush, due to the disposition and weight of the parts. Even the fastening members 24 and 26 of the main embodiment are

made relatively light and placed in a position where they will not affect the customary way of handling a paint brush. For striping and the like, where a paint brush of ordinary size cannot be used, the operator need only make an adjustment such as shown in Fig. 3 and he will have a narrowed brush with which he can perform his striping operation, reach corners, or, in general, do work which he could not satisfactorily do with the bristles in the position shown in Fig. 2. The brush may be used with the bristles either in the position shown in full lines or dotted lines in Fig. 3, or in intermediate positions if such should be desired. At the end of any operation, the two assemblies are very easily separated and all of the parts may be readily cleaned. In the usual brush, there is a tendency for the open space 22 to become partly filled with paint, and it is usually quite a difficult operation to get the bristles clean at this point. When the two body portions are separated, however, the bristles at this point may be readily cleaned.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. A paint brush comprising a pair of brush heads with flat sides, each carrying bristles, and disposed with the flat sides together, support means extending through said heads to permit relative movement of said heads and the bristles carried thereby in the direction of the bristles, and a handle integral with one of said heads and shaped to comprise a continuation of both heads.

2. A paint brush comprising a pair of brush heads with flat sides, each carrying bristles, and disposed with the flat sides together, a plurality of longitudinally disposed slots being provided in one head, and a plurality of aligned openings in the other head, support means extending through said slots and openings of said heads whereby to permit relative movement of said heads and the bristles carried thereby in the direction of the bristles, and a handle integral with one of said heads and shaped to comprise a continuation of both heads.

3. A paint brush comprising a pair of heads with flat sides, each carrying bristles, and disposed with the flat sides together, means for adjustably securing said heads together to permit relative movement of said heads and the bristles carried thereby in the direction of the bristles, and a handle integral with one of said heads, shaped to comprise a continuation of both heads, said handle having a shoulder in a position to be engaged by the head to which it is not attached whereby to define an extreme adjusted position of said head.

4. A paint brush comprising a pair of heads with flat sides, each carrying bristles, and disposed with the flat sides together, a handle integral with one of said heads shaped to comprise a continuation of both heads, tongues extending transversely of one head on the flat side thereof adapted to lie in grooves in the other head, and a resilient band extending around both heads to retain said tongues in said grooves and hold the said heads in assembled relation.

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