Sept. 25, 1956 H. A. FRITZ 2,763,884

PAINT BRUSH HAVING A REMOVABLE HEAD

Filed Sept. 17, 1954 2 Sheets-Sheet 1

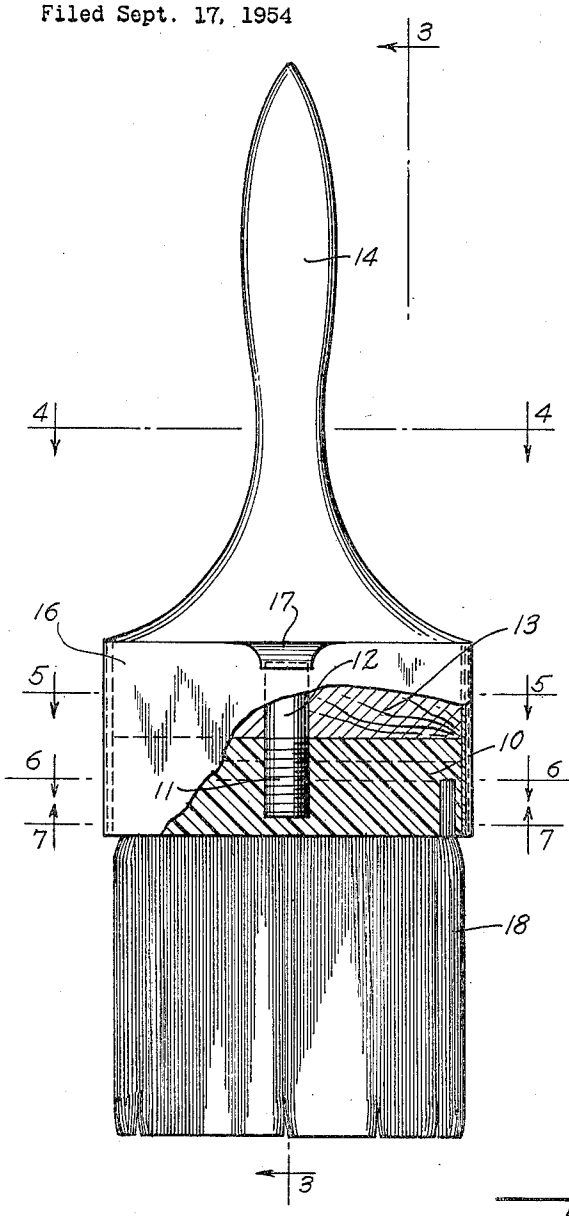


Fig. 1

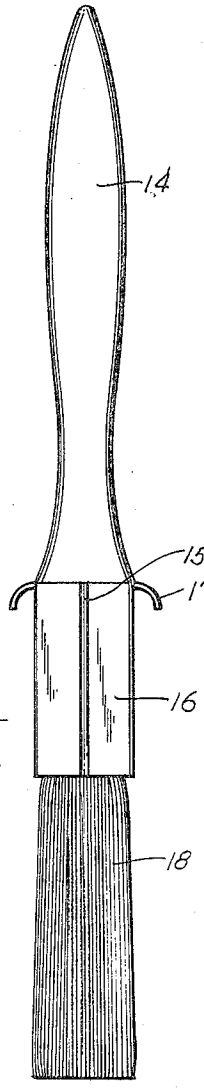


Fig. 2

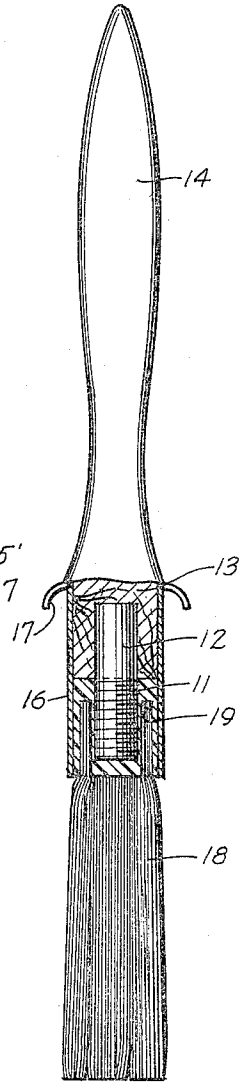


Fig. 3

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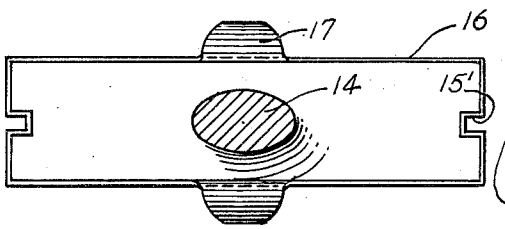


Fig. 4

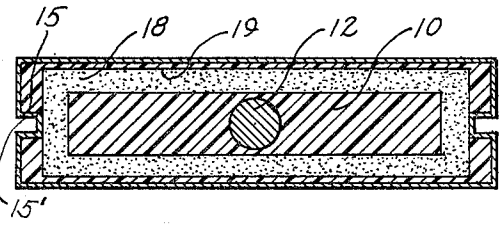


Fig. 6

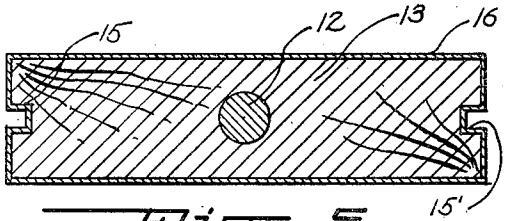


Fig. 5

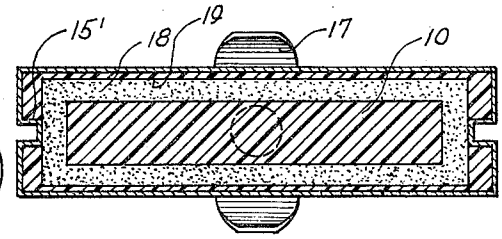


Fig. 7

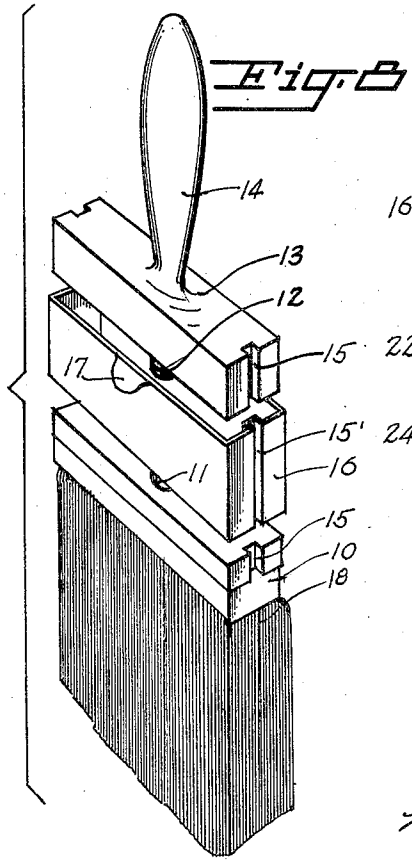


Fig. 8

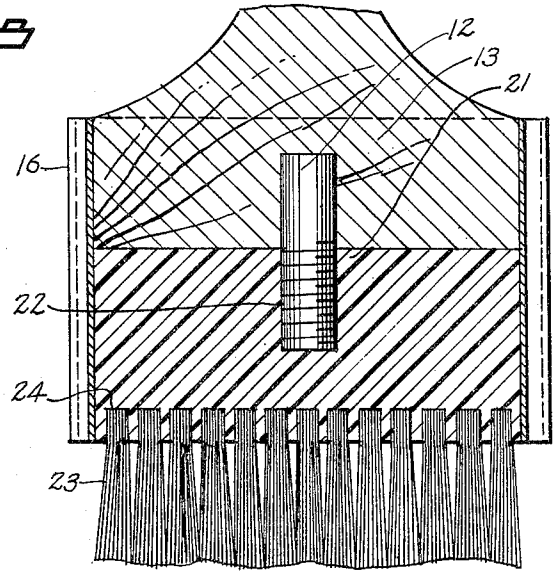


Fig. 9

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2,763,884

PAINT BRUSH HAVING A REMOVABLE HEAD

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Application September 17, 1954, Serial No. 456,843

2 Claims. (Cl. 15—176)

The present invention relates to paint brushes.

The principal object of the present invention is to provide a brush assembly, a paint brush having a detachable tuft section for easy disposal after it has been used, thus to eliminate the necessity of having to clean the bristles, or for separate storage in a cleaning solution when detached from the handle section.

Another object of the present invention is to provide an easily detachable tuft section for a paint brush and one in which the tuft section is secured to the handle section by a slidable sleeve which as it is slid from its securing position to the detaching position compresses and straightens the bristles of the tuft section as it is being removed.

A further object of the present invention is to provide an easily constructed and economically practical paint brush having a detachable tuft section and one that is especially useful to commercial painters.

These and other objects and advantages of the present invention will be fully apparent from the following description when considered in connection with the annexed drawings, in which:

Figure 1 is a plan view in elevation partly broken away to show the construction of the paint brush of the present invention;

Figure 2 is an end view in elevation;

Figure 3 is an end view partly in section on line 3—3 of Figure 1;

Figure 4 is a vertical view on line 4—4 of Figure 1;

Figure 5 is a vertical view in cross section on line 5—5 of Figure 1;

Figure 6 is a vertical view in cross section on line 6—6 of Figure 1;

Figure 7 is a further vertical view in cross section on line 7—7 of Figure 1;

Figure 8 is an exploded view in perspective showing the parts of the present invention; and

Figure 9 is a cross sectional view of a second embodiment of the present invention.

Referring in greater detail to the drawing in which like numerals indicate like parts throughout the several views, the first embodiment of the invention as seen in Figures 1 to 8 is seen to consist of a tuft section **10** having a socket **11** in one end and disposed centrally with respect to that end. The socket **11** has internal threads to receive the threaded stud **12** which projects outwardly from the center of the handle section **13** which has a handle **14** at the one end opposite to the stud **12**.

Each of the tuft section **10** and the handle section **13** are formed with grooves **15** in the sides thereof adjacent their associated ends. The grooves **15** register with each other and receive the tongue **15'** of the sleeve **16** which slides over and surrounds both the tuft section **10** and the handle section **13**. The sleeve **16** is further formed

with the outwardly projecting lips **17** which serve as grips by which the sleeve is detached from the assembled tuft section and handle section when they are secured together. The sleeve **16** locks the tuft section **10** to the handle section **13** by preventing the rotation of the stud **12** in the socket **11** to disconnect it from the tuft section.

In the first embodiment, the bristles **18** project outwardly from a continuous rectangular groove **19** which extends adjacent the outside edges of the tuft section **10**.

In the second embodiment the tuft section **21** has a similar socket **22** and its bristles **23** are cemented in holes **24** throughout the one end of the tuft section **21**, as seen in Figure 9. The sleeve **16** serves in the same manner in the second embodiment to secure the tuft section **21** to the handle section **13** as in the embodiment first described.

The handle section **13** is preferably made of wood, the tuft sections **10** and **21** of plastic, the sleeve **16** of metal, and the bristles **18** of nylon. While the foregoing elements are preferably made of the listed materials, it is to be understood that they may be made of other suitable materials.

While only preferred embodiments have been here shown and described, other embodiments of the present invention may be made and practiced and many changes and modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

What is claimed:

1. A paint brush comprising a tuft section having a centrally disposed internally threaded socket on one end thereof and bristles projecting outwardly from the other end, a handle section having a handle at one end and a centrally disposed threaded stud projecting outwardly therefrom at the other end, said stud being engageable in said socket and operable to secure said brush section to said handle section, said brush and handle sections each being formed with registering grooves in the sides thereof adjacent their associated ends, and a detachable sleeve surrounding and slidably disposed on said tuft and handle sections and slidably engaging said grooves and being operable to prevent rotation of said stud in said socket.

2. A paint brush comprising a tuft section having a centrally disposed internally threaded socket on one end thereof and bristles projecting outwardly from the other end, a handle section having a handle at one end and a centrally disposed threaded stud projecting outwardly therefrom at the other end, said stud being engageable in said socket and operable to secure said brush section to said handle section, said brush and handle sections each being formed with registering grooves in the sides thereof adjacent their associated ends, and a detachable sleeve surrounding and slidably disposed on said tuft and handle sections and being operable to prevent rotation of said stud in said socket, said sleeve being formed with a tongue engageable in said grooves.

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