

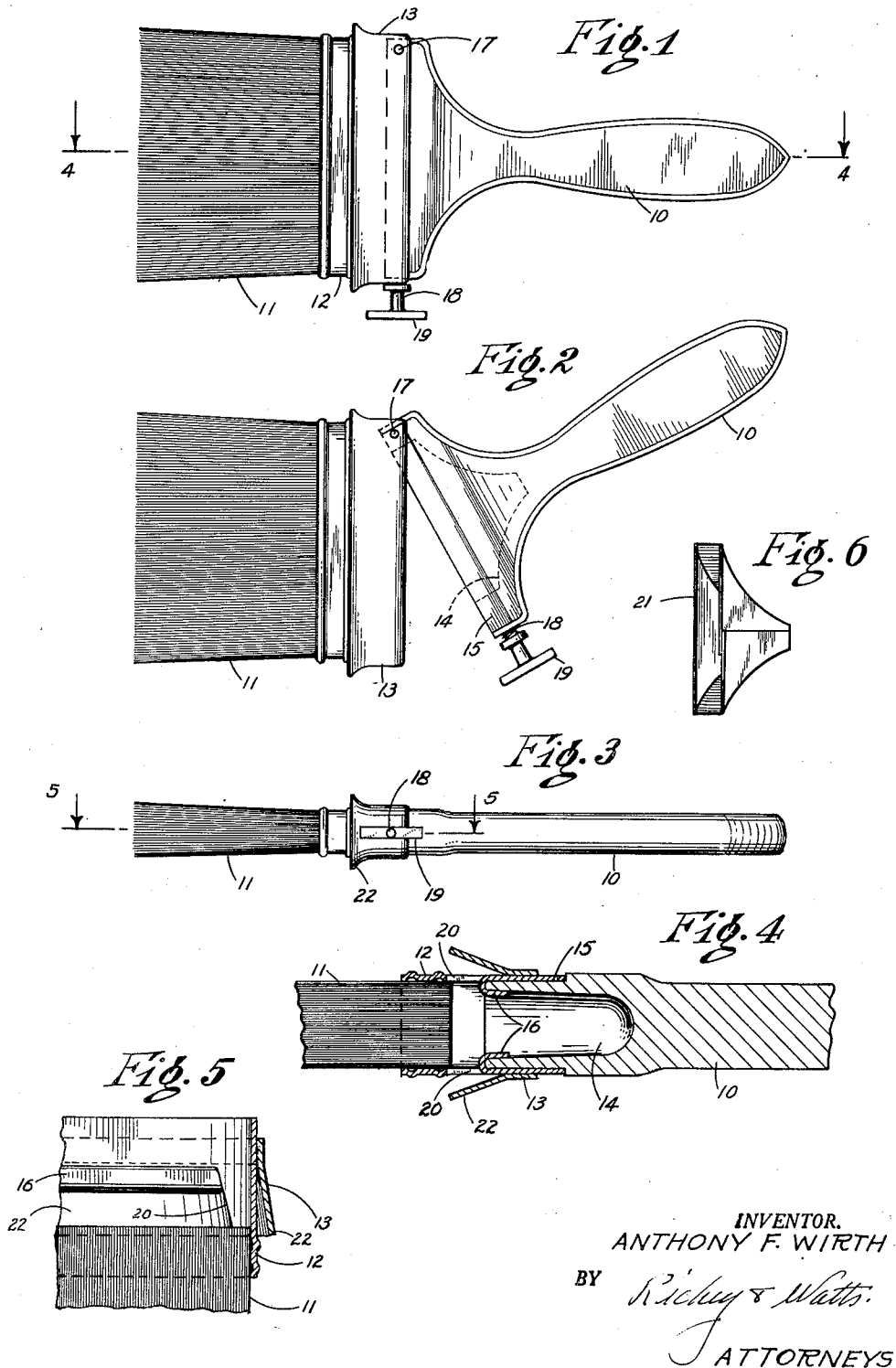
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PAINTBRUSH EMBODYING HANDLE DRIP CHAMBER

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PAINTBRUSH EMBODYING HANDLE DRIP CHAMBER

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4 Claims. (Cl. 15—171)

1

This invention relates broadly to paint brushes and more specifically to improvements in brushes of the type that are designed to catch the drippings when the brush is used with the bristles upwardly disposed in an inverted position.

One of the objects of the invention is to hinge the bristle section of a brush to a handle of the type which is formed with a reservoir and a funnel guard or shield, so that the bristle section may be swung from the handle to accommodate removal of the drippings.

Another object of the invention is to provide a collar or shield which is designed for telescopic engagement with the handle and portions of the walls defining the reservoir in order to assure the rigidity of the assembly when adjusted in its operative position.

Another object of the invention is to provide a latch or locking mechanism for the pivoted brush which also serves as a hook for the support of the brush upon a side wall of a pail or similar vessel.

Further objects of the invention reside in the provision of a paint brush which is sturdy of structure; neat in appearance, economic of manufacture and efficient in operation.

Other objects and advantages more or less ancillary to the foregoing and the manner in which all the various objects are realized will appear in the following description, which considered in connection with the accompanying drawings, sets forth the preferred embodiment of the invention.

In the drawings:

Fig. 1 is a side elevation of the improved paint brush;

Fig. 2 is a side elevation thereof illustrating the bristle section in its actuated position;

Fig. 3 is a side elevational view of the brush shown in Fig. 1;

Fig. 4 is a longitudinal section view of a portion of the brush, the section being taken on a plane indicated by line 4—4 of Fig. 1;

Fig. 5 is a detail sectional view through a fragmentary portion of the brush, the section being taken on the line 5—5 of Fig. 3, the handle being omitted in the interest of clarity; and

Fig. 6 is a perspective view of a removable paper cup for insertion in the recess 14 illustrated in Figs. 2 and 4.

Referring to Figs. 1 and 5, the brush comprises a handle 10, a bristle section 11, a ferrule 12 formed to support the bristles and receive the inner end of the handle, and a shield or collar 13 constructed to perform the function of a funnel

2

mounted on the ferrule. The brush handle is formed with a widened end portion having a recess 14 therein constituting a reservoir for the reception of the paint that flows from the brush when used with the bristles upwardly disposed in an inverted position as during painting operations on ceilings or similar environs. The outer face of the side walls of the enlarged portion of the handle is formed with a ledge 15 adapted to receive the ferrule 12 when the brush is adjusted in its operative position. The inner walls of the ferrule 12 are provided with inturned channels 16 struck from the side walls thereof and arranged for telescopic engagement with outer face and the reservoir face of the side walls of the brush handle. The bristle section 11 is pivotally connected to the handle by a pin 17 mounted in the ferrule 12 and handle at one side of the brush. The opposed side of the brush handle is provided with a shouldered screw 18 constituting a latch adapted for engagement within a slot in the ferrule 12 for the securement of the bristle section in its closed or operative position. The free end of the screw 18 is preferably formed with transverse arms 19 adapted to facilitate the operation of the screw and also formed to serve as a hook for the support of the brush in a paint bucket or similar vessel.

The ferrule 12 as will be seen in Figs. 4 and 5, is mounted upon the bonded bristles and attached thereto in a customary manner. The side wall openings 20 in the ferrule formed by the inturned channels 16 are disposed in contiguous relation with the wall defined by the inner sheared ends of the bristles. The collar or sleeve 13 configured for engagement with the ferrule 12 and formed with a flared end portion 22 is arranged to overlie the openings 20. The sleeve 13 performs the function of a funnel or trough to direct the flow of excess paint or drippings through the openings 20 and into the reservoir 14.

As illustrated in Fig. 6 the recess 14 constituting the reservoir for the paint drippings may be provided with a removable paper cup 21 or a mass of paint absorbent material such as cotton waste. With such a structure the brush may be used for an appreciable time before it becomes necessary to clean or scrape away the hardened paint accumulated in the reservoir.

In operation when the chamber 14 becomes filled with the drippings flowing through the funnel-like passageway formed by the collar 13, the screw 18 may be loosened, and the handle of the brush swung outwardly as illustrated in Fig. 2

3

to facilitate the removal of the paint from the chamber 13.

It will be recognized that the telescopic engagement of the ferrule 12 with the ledged and shouldered portion 15 of the handle and the further telescopic engagement of the channels 16 with the inner surfaces of the reservoir walls of the brush handle will facilitate the rigid support of the brush section and relieve the strains imposed upon the pivot pin 17 and latch locking mechanism 18. It will be further recognized that the improved brush and handle structure will afford free access to the chamber and accommodate the ready removal of any partially dried or gummy materials in the reservoir.

Although the foregoing description is necessarily of a detailed character, in order that the invention may be completely set forth, it is to be understood that the specific terminology is not intended to be restrictive or confining, and that various rearrangements of parts and modifications of detail may be resorted to without departing from the scope or spirit of the invention as herein claimed.

I claim:

1. A paint brush comprising a handle having a reservoir therein, a bristle section pivotally mounted thereon and a means including an apertured ferrule and a flange constituting a funnel mounted on the bristle section and defining a passageway opening into the reservoir for directing paint into the reservoir when the brush is held with the free ends of the bristles upwardly disposed.

2. A paint brush comprising a handle having a reservoir therein, a ledge around the outer face of the portion of the handle defining the reservoir, a bristle section, a ferrule thereon having the side walls thereof adapted for telescopic engagement with said ledge, flanges within said ferrule disposed for telescopic engagement with

4

the outer end of the handle, said bristle section being pivotally supported on one side of the handle, means on the opposed side of the handle for locking the bristle section in fixed relation with the handle, said ferrule being apertured between the bristle section and said flanges forming passageways leading from the outside of said ferrule past said flanges and into said reservoir.

3. A paint brush comprising a handle having a reservoir therein, a bristle section pivoted on one side of the handle, a ferrule on the base of the bristle section engaged with the base of the handle, a flange in said ferrule disposed to envelop portions of the end walls of said handle, portions of the ferrule defining passageways into said reservoir, a latch in said handle engageable with said ferrule and cross arms on said latch constituting a hook for the suspension of the brush.

4. A paint brush comprising a handle having a reservoir therein, a bristle section pivoted on one side of the handle, a ferrule on the base of the bristle section engaged with the base of the handle, a flange on said ferrule disposed to envelop portions of the end walls of said handle, portions of the ferrule defining passageways into said reservoir, and removable means in said reservoir to retain the paint drippings that flow through said passageways.

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