Nov. 29, 1927. 1,650,732

A. F. WILSON

FOUNTAIN BRUSH FOR ROOF PAINTING

Filed Feb. 15, 1927

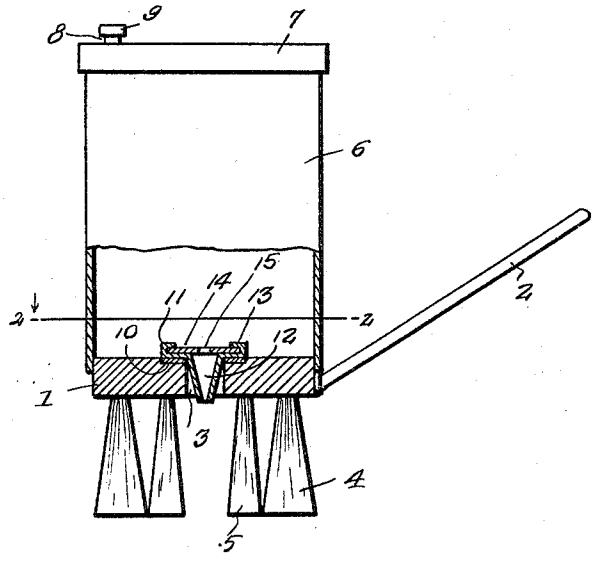


Fig. 1.

Fig. 2.

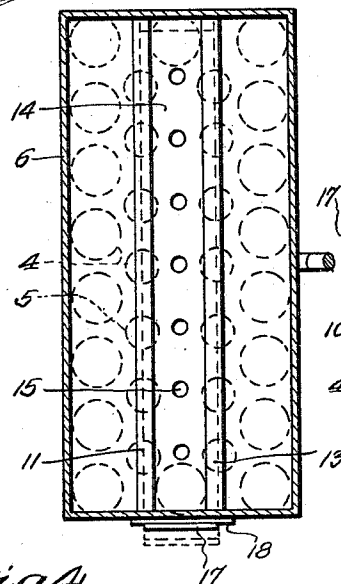


Fig. 3.

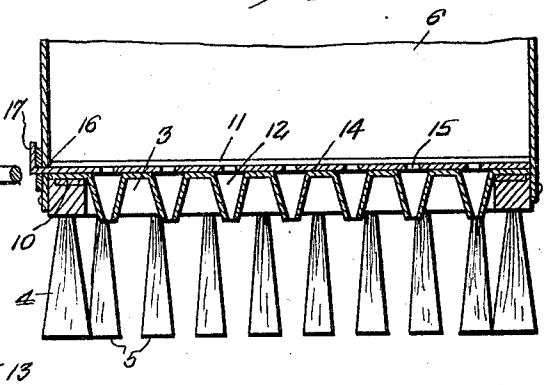
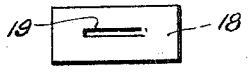


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FOUNTAIN BRUSH FOR ROOF PAINTING.

Application filed February 15, 1927. Serial No. 168,355.

My present invention pertains to fountain paint brushes; and it has for its object the provision of a peculiar and advantageous fountain brush adapted to be used to advantage in painting roofs and other surfaces over which a brush may be pushed and pulled.

To the attainment of the foregoing, the invention consists in the improvement hereinafter described and claimed.

In the accompanying drawings forming part of this specification:—

Figure 1 is a view partly in end elevation and partly in vertical section illustrating the preferred embodiment of my invention.

Figure 2 is a horizontal section taken on the plane indicated by the line 2—2 of Figure 1 looking downwardly.

Figure 3 is a longitudinal vertical section showing the lower portion of my novel brush.

Figure 4 is a detail view illustrating the packing member for preventing leakage of paint at the point where the valve plate projects through one end wall of the casing comprised in the brush.

Similar numerals of reference designate corresponding parts in all the views of the drawing.

Among other elements, my novel brush comprises a head 1, preferably of wood. Appropriately connected to and extending from one edge of the head 1 is a handle 2 provided in order that the brush may be conveniently pushed and pulled over a roof or other surface to be painted. I would also have it understood that the said head 1 is provided with a longitudinal vertical slot 3, Figures 1 and 3, and that carried by and depending from the head 1 are tufts 4 of appropriate bristles. As will be gathered from Figure 2 of the drawing the tufts 4 are arranged to form a rectangle, and between the longitudinal vertical slot 3 and the longitudinal series of tufts 4 are smaller tufts of bristles 5 which like the tufts 4 are carried by and depend from the wooden head 1. It will be manifest that the tufts 4 and the tufts 5 may be fixed in and to the head 1 in any approved manner.

A casing 6 is arranged with its lower portion about and connected by screws or other suitable means to the edges of the head 1. The said casing 6 is preferably provided with a removable flanged top 7, and also, by preference, the top 7 is provided with a filling opening 8 normally closed by a removable cap 9, all as best shown in Figure 1.

As clearly shown in Figures 1 and 3, packing 10 is arranged in a countersink in the upper side of the head 1 and about the slot 3 to prevent leakage of paint, and superposed and suitably secured on the said packing 10 is a frame 11, preferably of metal and provided with a plurality of spaced, downwardly tapered spouts 12, the said spouts 12 being arranged in a longitudinal series in the slot 3 as will be understood by comparison of Figures 1 and 3. The frame 11 is provided with longitudinal side guides 13, Figures 1 and 2, and slidable or movable rectilinearly in the said guides 13 is a valve plate 14 with apertures 15 considerably smaller than the upper or receiving ends of the spouts 12. The said valve plate 14 is extended through an opening 16 in one end wall of the casing 6 and is provided at its outer end with a handle portion 17, Figures 2 and 3.

In order to prevent leakage of paint through the opening 16 I provide the casing 6 at its outer side with a packing member 18 of rubber, felt, or other appropriate material. The said packing member 18 is provided with an opening 19 which snugly receives the valve plate 14, and consequently as will be readily appreciated the packing member 18 will prevent leakage of paint through the opening 16 and about the portion of the valve plate 14 outwardly beyond said opening 16.

It will be apparent from the foregoing that by manipulation of the valve plate 14, the supply of paint from the interior of the packing 6 to the pendent spout 12 may be altogether cut off, or the paint may be permitted to pass through the apertures 15 of the valve plate into the spouts 12, or by adjustment of the plate 14 relative to the frame 11, the size of the passages through the openings 15 may be reduced. In this way the supply of paint from the interior of the casing 6 to the pendent spouts 12 may be nicely regulated as conditions demand.

In the practical use of my novel brush, it will be understood that the device as a whole is pushed and pulled over a roof or other surface to be painted, the paint being supplied incident to the said operation from the interior of the casing 6 through the apertures 15 of the valve plate 14 and the pendent spouts 12, and the paint being dis-

charged between the rows of comparatively small tufts of bristles 5. Manifestly, the paint so supplied will be deposited on a roof or other surface between the small tufts of bristles 5, and consequently when the brush is reciprocated over the surface, the paint will be properly spread on the surface.

It will be apparent from the foregoing that my novel fountain brush is simple and inexpensive in construction, and is free of delicate parts such as are likely to get out of order after a short period of use.

It will also be apparent that when my novel brush is properly manipulated, a large roof or other surface may be properly covered with paint in a short period of time and with the expenditure of but little effort on the part of the operator.

I have specifically described the construction and relative arrangement of the parts embodied in my novel brush in order to impart a full, clear, and exact understanding of the preferred embodiment. I do not desire, however, to be understood as limiting myself to the specific construction and relative arrangement of the parts as disclosed, my invention being defined by my appended claim within the scope of which modifications may be made without departure from my invention.

Having thus described my invention, what I claim is:—

In a fountain brush for roof painting, a paint receptacle having a continuous slot in its bottom and a countersink in the upper side of said bottom, and tufts of bristles carried by and depending from said bottom, packing in said countersink, a frame arranged on said packing and having longitudinal guides and also having pendent spouts disposed in the slot, an apertured movable valve plate disposed in the guides of the frame and extending through an opening in the wall of the paint receptacle, and packing means on and exterior of the receptacle and about the opening in the wall thereof and snugly engaging said plate for preventing leakage of paint through said opening.

In testimony whereof I affix my signature.

ALONZO F. WILSON.