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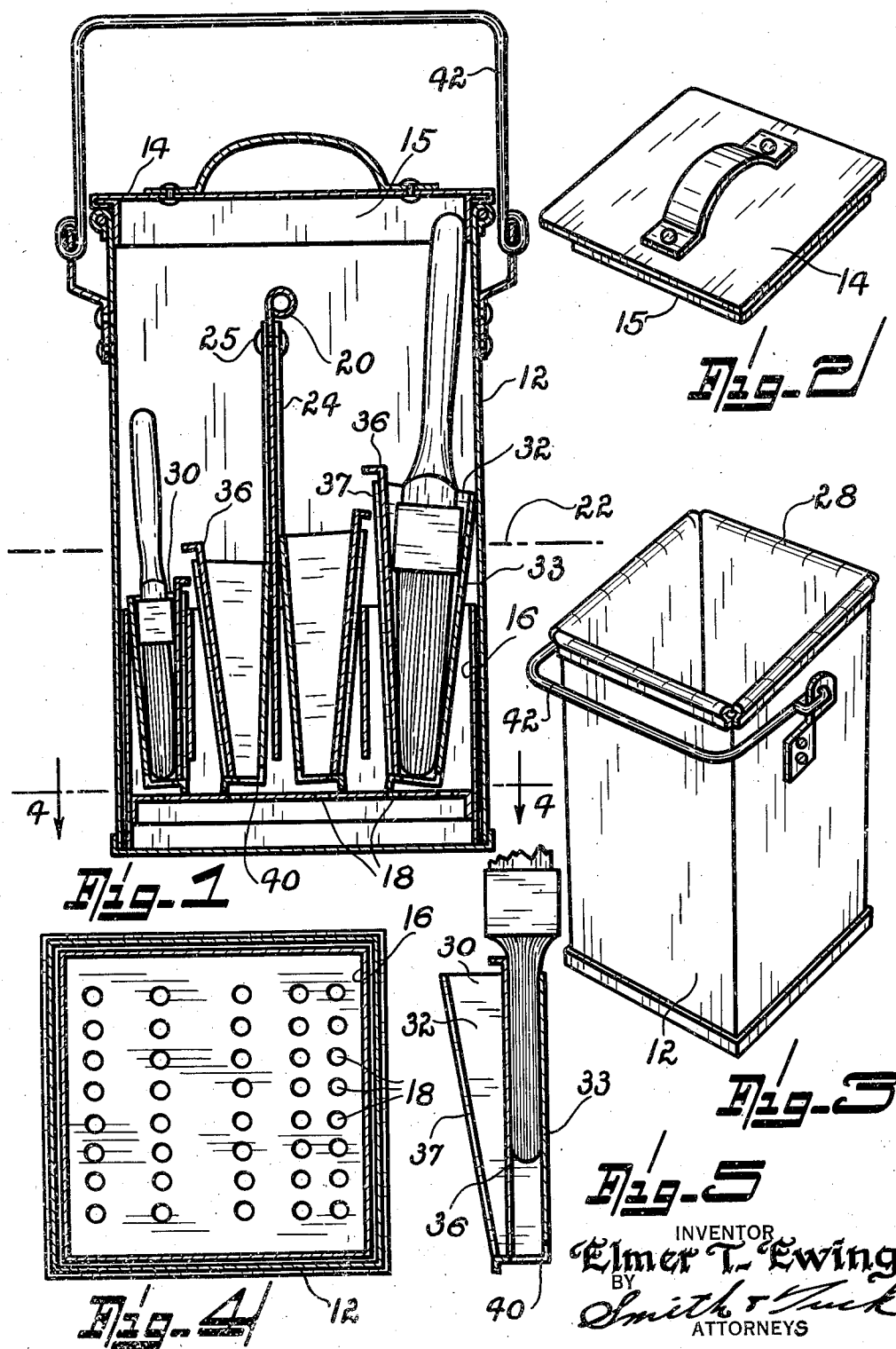
E. T. EWING

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PAINT BRUSH HOLDER AND CONDITIONING DEVICE

Filed Sept. 15, 1936

2 Sheets-Sheet 1



INVENTOR
Elmer T. Ewing
BY
Smith & Buck
ATTORNEYS

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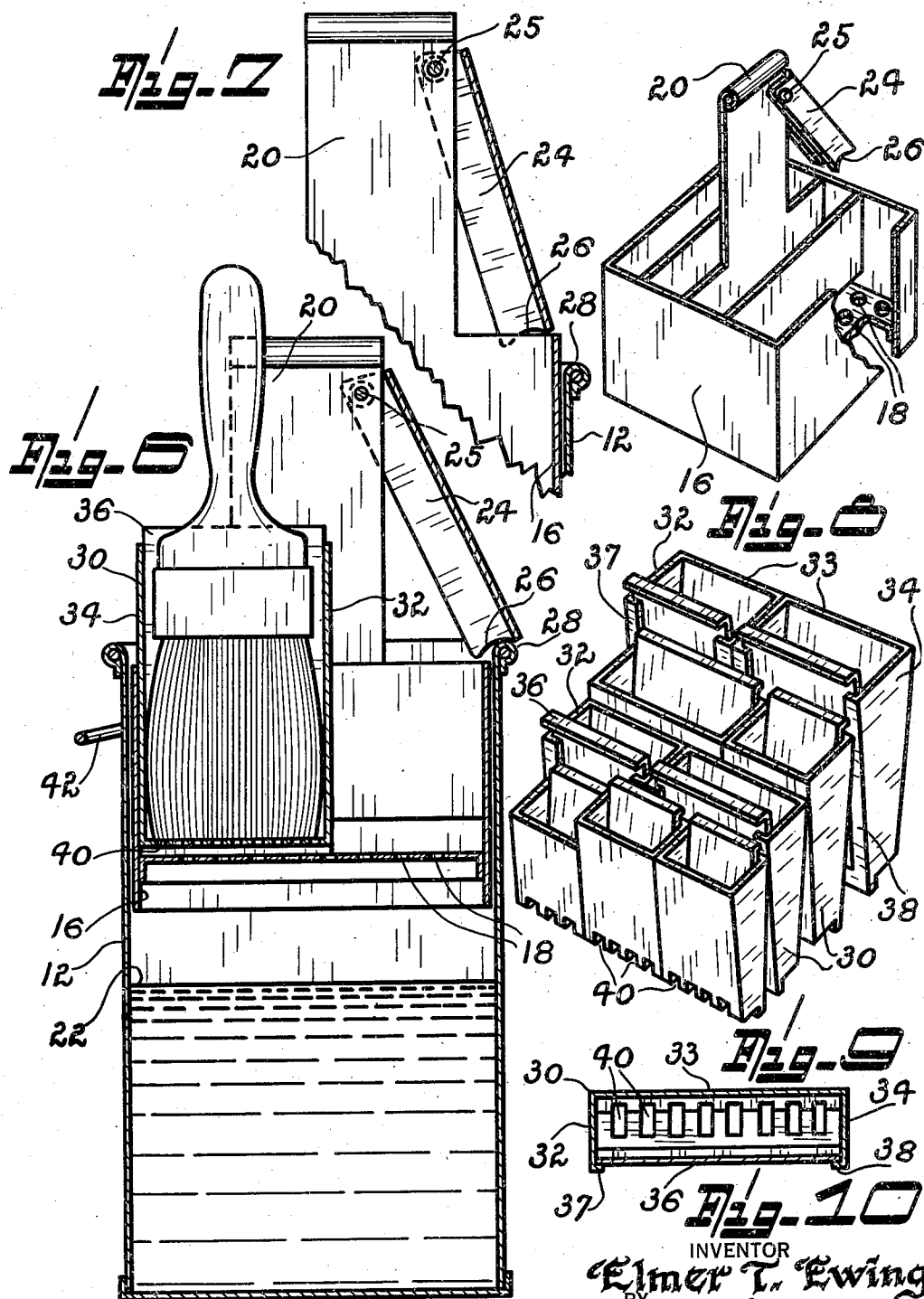
E. T. EWING

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PAINT BRUSH HOLDER AND CONDITIONING DEVICE

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INVENTOR
Elmer T. Ewing
BY
Smith & Tuck
ATTORNEYS

UNITED STATES PATENT OFFICE

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PAINT BRUSH HOLDER AND CONDITIONING
DEVICE

Elmer T. Ewing, Auburn, Wash.

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4 Claims. (Cl. 91—63)

My present invention relates to the art of painting, and its accessories and, more particularly, to a paint brush holder and conditioning device.

Ordinary commercial painters require numerous paint brushes for the satisfactory performance of their work, particularly those who are employed on house or building painting and decoration. They must, of necessity, utilize different sizes and types for the different kinds of work to be done. Also, to save time, it is often necessary to have more than one brush of the same type so that they do not need to be completely cleaned as would be required were the same brush used for several different colors of brush. Painters, further, find good paint brushes expensive. These are often damaged by improper care or, at least, their life is appreciably shortened with the cleaning means now employed.

My present device is arranged to store a large number of paint brushes under conditions which will preserve them in condition for use at any time. It can be easily transported from one job to another or from one room to another on the same work. Each paint brush can be thus kept in a condition to prevent its deterioration and yet have it constantly available and ready for immediate use. This characteristic of my device enables a user to save much valuable time, which would otherwise be spent in cleaning brushes and working them up to a condition satisfactory for use. With my present arrangement the brushes are stored in a suitable solution; when the painter takes the container to the job he can raise the entire group of brushes out of the preserving solution and they will then drain without further attention. Means are further provided so that he may compress the bristles so as to squeeze out from the brushes the last remaining liquid.

The principal object of my present invention is to provide a convenient carrying and storing means whereby paint brushes may be preserved in a suitable solution; may be carried about stored in that solution; and then may be raised, and held above the surface of the liquid, so that they may drain.

A further object is the provision of means whereby each paint brush is held in its own pocket, which pocket is arranged so as to assist in squeezing any unwanted liquid out of the bristles.

Other and more specific objects will be apparent from the following description taken in connection with the accompanying drawings, wherein

Figure 1 is an elevation in section through a paint brush container embodying my invention.

Figure 2 is a perspective view showing the cover of my paint brush container.

Figure 3 is a perspective view showing the container itself with the paint brush holding tray removed.

Figure 4 is a cross-sectional view taken along the line 4—4 of Figure 1.

Figure 5 is a cross-sectional view in elevation through a typical brush pocket, showing the manner in which the liquid may be squeezed out of the bristles.

Figure 6 is a typical cross-sectional view in elevation through my brush-storing unit, the various parts being shown in section to better illustrate the construction and operation thereof.

Figure 7 is a fragmentary view showing the stop which holds the brush container up above the liquid in its position either before engaging the upper margin of the container or just after being released from the same.

Figure 8 is a perspective view of the movable brush holder with the brush pockets removed.

Figure 9 is a perspective view showing a group of brush pockets such as would be used in the holder illustrated in Figure 8.

Figure 10 is a typical, cross-sectional view taken near the bottom of one of my brush pockets to illustrate its construction and the drainage openings in the bottom thereof.

Referring to the drawings, throughout which like reference characters indicate like parts 12 designates the outside container of my device, this I prefer as a matter of convenience to form with a square cross-section to the end that a maximum number of pockets may be employed. It is believed it will be understood that this cross-sectional shape may be varied to suit conditions without departing from the spirit of my invention. The container should be liquid-tight and be provided with a tight fitting cover as 14. I have formed this cover with a deep spring rim 15 of considerable length so that it will engage the inside of bucket 12 and, by being reasonably long, will engage it tightly due to the spring action of the long lip 15.

Slidably disposed within bucket 12 is the brush-carrier 16. This carrier performs the function of a basket to hold the brush pockets in place and to further provide for drainage of the brushes through openings 18 in the bottom thereof. The brush carrier is further provided with an upwardly extending handle member 20. The handle should extend sufficiently upward so that it will

always be above the surface of the liquid which normally will be about the height indicated in Figure 1 at 22. Stop means are provided by hinging to handle 20 stop 24, the same being supported on a pivot 25 and being provided at its lower end with a shallow notch 26 so that it can more easily and securely engage the upper margin 23 of bucket 12. This provides one convenient means of holding the brush carrier well above the surface of the liquid.

Adapted for nesting into brush-carrier 16 are a plurality of brush pockets 30. These pockets are made, normally, of the same material as the remainder of the device which seems to lend itself very well to galvanized iron construction. The pockets are formed normally with three solid sides 32, 33, and 34. The fourth side 36 is movable after the showing of Figure 5 so that it may be used as a convenient means for squeezing unwanted liquid from the brushes; it is held against outward displacement by ledges 37 and 38. The brush carrier 16 should be made to hold a considerable number of these brush pockets, each of which is independently distinct, so that a painter may arrange his brush carrier to take care of the particular type of brushes that he will be using. Thus for interior work a painter might have one or more large brushes for big surfaces and a number of small brushes for finish work and trim. By having each of the brush pockets separate, however, any combination can be obtained. Each brush pocket is provided with a plurality of openings at its bottom as indicated at 40. These permit the liquid, such as cleaner, or paint, or solvent, to drain off of the brushes when they are raised as in Figure 6 and, further, they permit the inflow of liquid when the brushes are in the position indicated in Figure 1.

Method of operation

In using my device it is normally carried as shown in Figure 1, with the brushes resting in either a drier, free paint, or vanish, or in a suitable solvent or cleaner. The tight fitting cover 14 prevents any slopping over of the paint and handle 42 provides a convenient manner with which to carry the entire complement of paint brushes that any one painter would need for a certain type of work. When the job is reached the first thing the painter should do is to raise his brush holder after the showing of Figure 6 so that all the brushes may be drained. When one particular brush has been selected for use the handle is grasped and the pocket, which should be closely fitted to it, will be withdrawn with the brush. The excess liquid can be squeezed out of the bristles by use of the movable plate 36 after the showing of Figure 5. The brush is now ready for use and as soon as the painter has finished with it it is easily and quickly put back

in to its own original pocket where it is held upright. Any excess paint will now drain off and the brush is held in a position where it will not become contaminated by plaster, sawdust, dust, and the like.

It is intended that this device will serve as a storage chamber for a single workman's brushes at all times. It may be taken to and from work and about the job; when so used it will provide maximum convenience, minimum loss in time, and will effect the greatest possible brush economy.

The foregoing description and the accompanying drawings are believed to clearly disclose a preferred embodiment of my invention but it will be understood that such changes in the invention may be made as are fairly within the scope and spirit of the following claims.

I claim:

1. In a paint brush holder and conditioning device, the combination with a liquid-container and an interior, removable carrier having drain openings, of means for supporting a brush in upright position in the carrier, and means pivotally mounted on the carrier for co-action with the container to hold the carrier in elevated position within the container for drainage purposes.

2. In a paint brush holder and conditioning device, the combination with a liquid container and an interior, removable carrier having drain openings, of means for supporting a brush in upright position in the carrier, a handle rigid with the carrier, and a supporting arm pivoted on the carrier with its free end in position for engagement with the container to hold the carrier in elevated position within the container for drainage purposes.

3. In a paint brush holder and conditioning device, the combination with a liquid-container and an interior, removable carrier having a perforated bottom, of a brush-support adapted to stand on the perforated bottom, one wall of the carrier being fashioned with an upward extension to form a handle, and a hinged supporting arm on the handle with its lower free end in position to engage a top edge of the container to hold the carrier in elevated position within the container for drainage purposes.

4. A paint brush holder for use in a conditioning device comprising a pocket having a perforated comparatively narrow bottom having an exterior supporting flange along one edge, said pocket having one closed side and upwardly flaring closed ends, opposed flanges extending upwardly along the flaring edges of said ends, and a movable plate resting on the perforated bottom and adapted to be pressed outwardly against the end-flanges by the insertion of a brush into the pocket.

ELMER T. EWING.