June 15, 1948. D. FILARDO 2,443,233

PAINT BRUSH EXTENSION HANDLE

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Fig. 1.

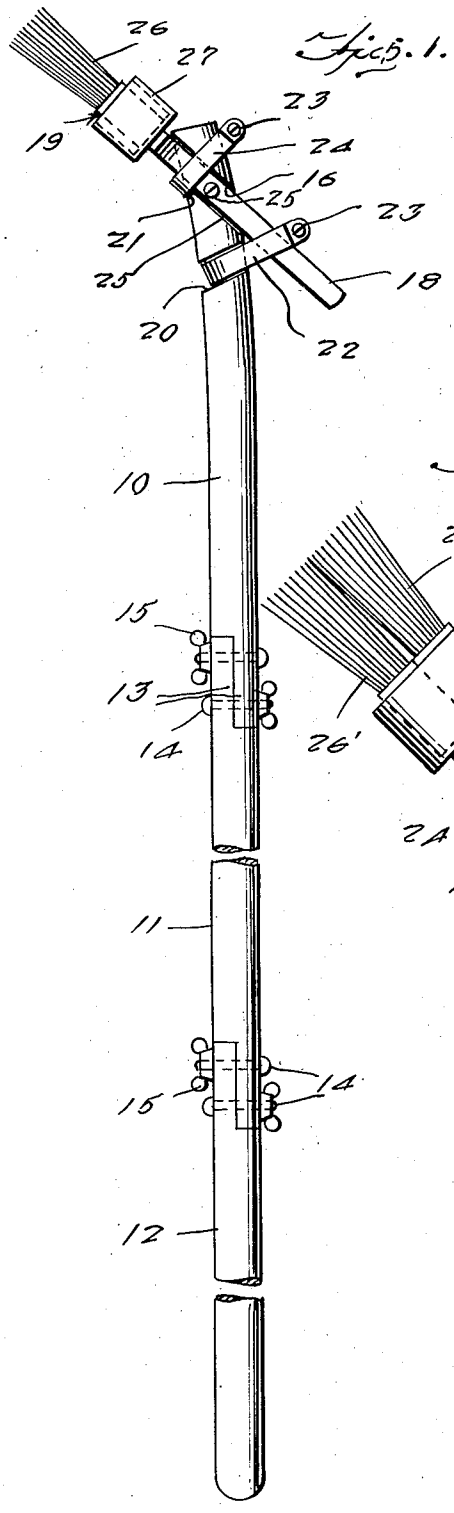


Fig. 2.

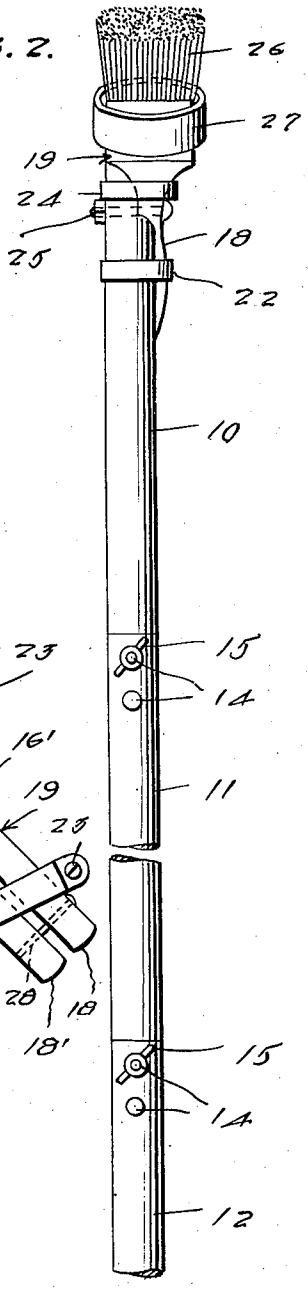
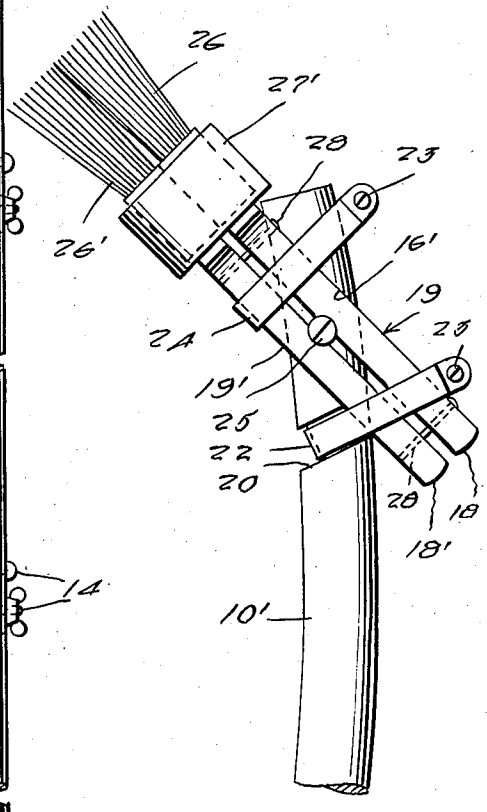


Fig. 3.



INVENTOR.
Domenico Filardo
BY
McMorrow, Berman & Davidson
ATTORNEYS

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PAINT BRUSH EXTENSION HANDLE

Domenico Filardo, Providence, R. I.

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5 Claims. (Cl. 15—144)

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This invention relates to improvement in extension handles, and more particularly to improved extension handles for paint brushes and the like.

It is among the objects of the invention to provide an improved extension handle having several sections which can be quickly and easily assembled and disassembled to provide a handle of the desired length, and which will rigidly support one or more brushes in position for the convenient application of paint or other fluid material to a vertical or horizontal surface, which provides for the convenient attachment of brushes thereto and removal of brushes therefrom, which includes brush securing means effective to rigidly secure the brush to the handle against any movement relative to the handle which has a curved end portion arranged to advance the brush toward the surface to which the paint is being applied when the handle and brush are held in operative position relative to the surface, and which is of simple and durable construction, economical to manufacture, and easy to assemble.

Other objects and advantages will become apparent from a consideration of the following description in conjunction with the accompanying drawing wherein:

Figure 1 is a side elevational view of an extension handle illustrative of the invention, showing a paint brush in operative association therewith.

Figure 2 is a front elevational view of the extension handle and brush shown in Figure 1; and

Figure 3 is a side elevation on a somewhat enlarged scale of the upper end portion of the construction shown in Figure 1, showing the application of two brushes to the handle.

With continued reference to the drawing, the improved extension handle comprises several sections, as indicated at 10, 11 and 12, which may be assembled with or disassembled from each other to provide an extension handle of any desired length.

While the detachable joints between the various sections may be provided in any desired or conventional manner, it has been found convenient to provide these joints by recessing the end portions of the sections which are to be attached to adjoining sections by removing approximately one-half of the section end portion to provide an extending tongue 13 of semi-circular cross-section and an adjoining recess adapted to receive a similar tongue of an adjoining section. The tongues are provided with spaced apertures which receive screws 14 provided with wing nuts 15 for clamping two overlapping tongues together to thereby join the end portions of two adjoining handle sections.

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The end section 10 has a tongue 13 at one end thereof only and is slightly curved in a single plane, as is clearly shown in Figure 1. This end section or handle portion 10 is provided in its end portion opposite the tongue 13 with a diagonal slot 16, the bottom of which is substantially parallel to a plane including the curved longitudinal center line of this handle member and of a width adapted to receive the handle 18 of a paint brush, generally indicated at 19. The end section or handle member 10 is provided with recesses 20 and 21, with the recess 20 disposed between the diagonal slot 16 and the end of the member having the tongue 13 and the recess 21 provided in the end portion of the member 10 at the lower side of the diagonal slot 16.

A band clamp 22 has a portion thereof received in the recess 20 and is operative to surround the handle member 10 and the brush handle 18. The open end of this clamp is fastened by a screw fastener 23 which contacts the clamp about the handle member 10 and the brush handle to assist in rigidly securing the brush to the extension handle. A similar band clamp 24 partly received in the recess 21 surrounds the end portion of the extension handle member 10 in which the slot 16 is provided, and the brush handle 18, to also assist in rigidly clamping the brush to the extension handle member. A screw fastener 25 extends through a hole provided in the brush handle 18 and through the member 10 within the diagonal slot 16 to positively secure the brush handle to the extension handle member against longitudinal movement of the brush handle relative to the extension handle member.

The two band clamps 22 and 24 and the screw fastener 25 together with the cooperating diagonal slot 16 rigidly position the brush 19 relative to the extension handle member 10 in proper operative position and against relative movement of the brush and the extension handle member.

The brush has a bristle portion 26 secured to the handle 18 in the conventional manner and a cup 27 is secured to the handle and surrounds the base of the bristle portion of the brush in a manner to receive any paint flowing from the bristle portion and tending to run down the handle of the brush to the extension handle.

For painting the lower portion of a wall within easy reach of the painter, the extension handle member 10 alone may be used. This member provides a comfortable grip for the brush positioned at the proper angle so that the brush may be used for a long period of time without unduly fatiguing the hands and arms of the painter. Higher portions of a vertical wall may be painted by adding additional sections, such as 11 and 12, to the member 10 to provide a handle

of the length necessary to paint any portion of the wall.

By the use of this extension handle the entire sides of a building or the walls of a room may be quickly and conveniently painted without the use of ladders or scaffolding, and the painting may be accomplished from the ground in a minimum of time.

When it is desired to provide increased brush capacity two similar brushes 19 and 19' may have their handles 18 and 18' secured together by suitable means, such as the nails 28, and together secured in a diagonal slot 16' of proper width, provided in one end portion of an extension handle member 10'. These brushes are secured to the member 10 by the band clamps 22 and 24 which may be the same as those illustrated in Figures 1 and 2, the increase in the brush handle volume being taken care of by the adjustable screw fastener 23. In this case the screw fastener 25 extends between the two brush handles 18 and 18' and is threaded into the member 10' within the slot 16'. A wide cup 27' is secured to the handles 18 and 18', and surrounds the bases of both of the bristle portions 26 and 26' of the two brushes.

The invention may be embodied in other specific forms without departing from the spirit or essential characteristics thereof. The present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claims are, therefore, intended to be embraced therein.

What is claimed is:

1. An extension handle for paint brushes comprising a plurality of handle sections each having one side extended at at least one end thereof to provide a section-connecting tongue associable in overlapping relationship with a corresponding tongue on an adjoining section to secure two sections together, screw fasteners extending through overlapping tongues, said sections including a curved end section having a section-connecting tongue at one end thereof and a brush-handle-receiving-diagonal slot adjacent its opposite end, a pair of band clamps disposed at spaced positions on said end section adjacent said slot to surround said end section and a brush handle received in said diagonal slot, and a screw fastener extended into said end section within said diagonal slot and adapted to extend through said brush handle to maintain said brush handle against longitudinal movement relative to said extension handle end section.

2. An extension handle for a paint brush comprising an elongated handle member of substantially cylindrical shape having a slight longitudinal curvature therein and a diagonal slot adjacent one end, said slot having its bottom substantially parallel to a plane including the curved centerline of said handle member and of a width to receive a paint brush handle, such handle member having a pair of spaced-apart recesses therein adjacent said slot, a pair of band clamps received one in each of said recesses and positioned to surround said handle member and a paint brush handle received in said diagonal slot, and a screw fastener extended into said handle member within said slot and adapted to extend through a paint brush handle received in said slot.

3. An extension handle for a paint brush comprising an elongated handle section of substantially cylindrical shape having a slight longitudinal curvature therein, a diagonal slot adjacent one end and a pair of recesses adjacent said slot and disposed one at each side thereof, said slot having its bottom substantially parallel to a plane including the curved centerline of said handle member and of a width to receive a paint brush handle therein, said handle member having at its opposite end an extending tongue associable in overlapping relationship with a corresponding tongue of an adjoining section, a pair of band clamps disposed one in each of said recesses to surround said handle member and a paint brush handle received in said slot, a screw fastener extended into said handle member within said slot and adapted to extend through a paint brush handle received in said slot, a second extension handle section having on one end a tongue overlapping the tongue of said first-mentioned section, and screw fasteners extending through said tongues to releasably secure said handle sections together.

4. In combination, a paint brush having a handle, a cup secured to said handle and surrounding said brush to receive paint flowing from said brush toward said handle, an extension handle member comprising an elongated generally cylindrical member having a diagonal slot in one end portion receiving the handle of said paint brush and having a pair of spaced-apart recesses in the slotted end portion thereof, a pair of band clamps received in said recesses and surrounding said extension handle member and said paint brush handle to secure said paint brush to said extension handle member, and a screw fastener extending through said paint brush handle and extended into said extension handle member at the bottom of said slot to maintain said paint brush against longitudinal movement relative to said extension handle member.

5. In combination, a pair of paint brushes having handles secured together in side-by-side relationship, a cup secured to said handles and surrounding said brushes, to receive paint flowing from said brushes toward said handle, an extension handle member comprising an elongated body of substantially cylindrical shape having in one end portion thereof a diagonal slot of a width sufficient to receive said paint brush handles in side-by-side relationship and having a pair of spaced-apart recesses in the slotted end portion thereof, a pair of band clamps received one in each recess and surrounding said brush handles and said extension handle member, and a screw fastener extending between said brush handles and threaded into said extension handle member within said slot to firmly secure said brushes to said extension handle member against longitudinal movement relative thereto.

DOMENICO FILARDO.

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