Sept. 16, 1952 M. A. GAFFER ET AL 2,610,344

BRUSH HOLDER AND GUIDE

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Fig. 1.

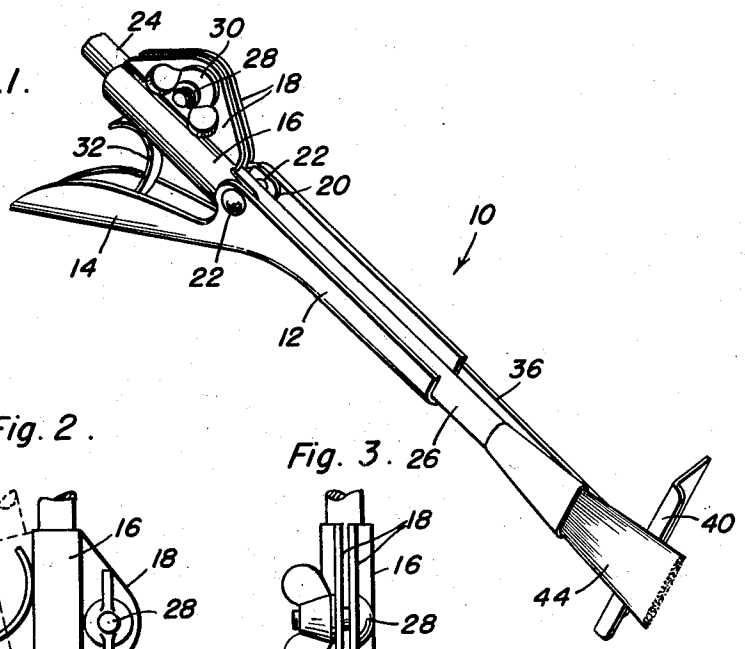


Fig. 2.

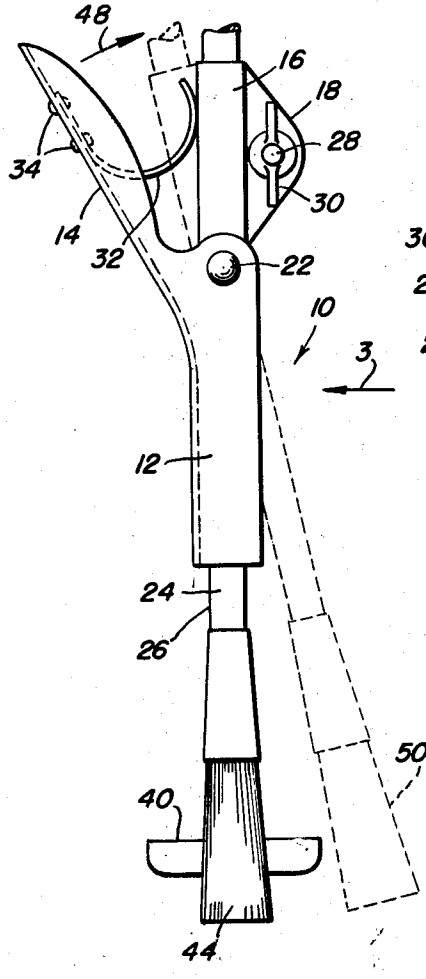
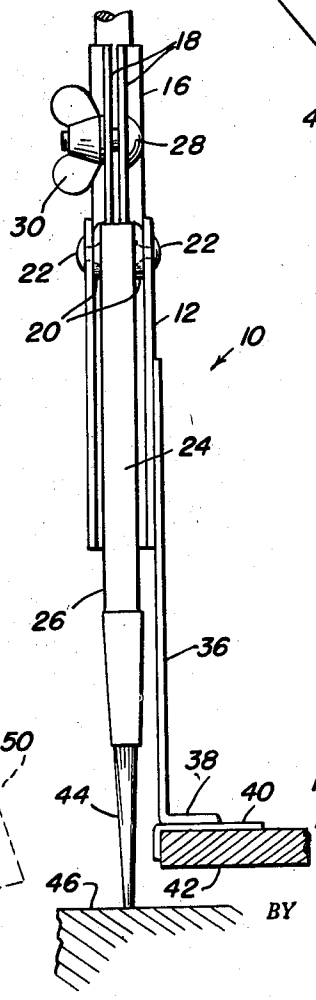


Fig. 3.



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BRUSH HOLDER AND GUIDE

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1 Claim. (Cl. 15—166)

1

This invention relates to new and useful improvements and structural refinements in striping devices such as commonly used by painters, decorators, and the like, and the principal object of the invention is to provide a striping device embodying a holder and a guide for a brush, this being so arranged that by simply sliding the guide member along a straight edge, or the like, the brush may be caused to paint a straight stripe of a predetermined width.

An important feature of the invention resides in the provision of means for adjusting the brush holder so as to vary the "width" of the stripe which is to be painted.

An additional feature of the invention lies in the provision of means for swinging the brush away from the guide member, whereby the brush may be conveniently dipped in paint without interference from the guide.

Important advantages of the invention reside in its simplicity of construction, ease and convenience of operation, and in its adaptability to economical manufacture.

With the above more important objects and features in view, and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the invention;

Figure 2 is a side elevational view thereof, and

Figure 3 is an elevational view, taken in the direction of the arrow 3 in Figure 2, and illustrating the invention in use.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a striping device designated generally by the reference character 10, the same embodying in its construction an open-sided channel 12 of a U-shaped cross sectional configuration, one end portion of this channel being formed integrally with a laterally projecting finger piece 14, substantially as shown.

A clamp 16 assumes the form of a resilient, longitudinally split tube or socket which is provided at the split edges thereof with a pair of spaced ears 18 while one end of the clamp terminates in a pair of spaced lugs 20 which are pivotally attached to the channel 12 as indicated at 22.

The handle 24 of a suitable brush 26 is removably and adjustably secured in the clamp 16,

2

being releasably retained therein by a suitable clamping bolt 28 and wing nut 30 provided on the ears 18. It is to be noted that the handle 24 of the brush 26 is swingable laterally in and out of the channel 12, an arcuate leaf spring 32 being interposed between the finger piece 14 and the clamp 16 as is best shown in Figure 2, whereby the clamp 16 is urged to a position where the handle 24 of the brush 26 is disposed in the channel 12, substantially as shown. If desired, the spring 32 may be secured to the finger piece 14 in any suitable manner, such as for example, by the rivets 34.

A longitudinal extension assuming the form of a strip 36 is secured by welding or the like, to the channel 12, this extension terminating in an angulated end portion 38 which is suitably secured to a substantially L-shaped plate 40 constituting what may be referred to as a guide member.

When the invention is placed in use, the guide member 40 is simply slid along a straight edge, or the like, illustrated at 42 in Figure 3, while the bristled head 44 of the brush 26 engages a surface 46 of the work on which a stripe is to be drawn.

It will be found that by virtue of this arrangement, the stripe drawn or painted on the surface 46 will be straight and of constant width, so that the striping operation may be performed accurately and expeditiously even by persons of limited skill.

The "width" of the stripe may be increased or decreased before the striping operation is commenced, this being effected by simply adjusting longitudinally the position of the brush handle 24 in the clamp 16 so that the brush head 44 projects to a greater or less extent beyond the guide member 40.

When it is desired to replenish the supply of paint on the brush, the finger piece 14 is simply pressed toward the clamp 16 as indicated at 48 in Figure 2, or in other words, the clamp 16 carrying the brush is pressed against the resiliency of the spring 32 toward the finger piece 14, so that the brush handle 24 is swung outwardly from the channel 12 and the brush head 44 is separated from the guide member 40 as illustrated by the phantom line 50 in Figure 2. By virtue of this arrangement, the brush head may be dipped into a container of paint without interference from the guide member 40, and when the paint supply has thus been replenished, the resiliency of the spring 32 will automatically return the brush 26 to its initial, operating position in the channel 12, as will be clearly apparent.

It is believed that the advantages in use of the invention will be clearly understood from the foregoing disclosure, and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

Having described the invention, what is claimed as new is:

In a striping device, the combination of a channel-shaped holder having an open side and open upper and lower ends, an extension arm secured to said holder and projecting downwardly therefrom, a guide provided at the lower end of said arm, an upwardly and outwardly extending finger piece provided integrally at the upper end of said holder, a split tubular clamp provided at one end thereof with a pair of spaced lugs pivotally connected to the upper end portion of the holder, a brush including a handle secured in said clamp and swingable in and out of said holder through the open side of the latter, a bristle head at the lower end of said handle adjacent said guide, and resilient means interposed between said clamp and said finger piece for urging said handle into the holder.

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