Aug. 25, 1959 F. GRUDEN, JR 2,900,657

BRUSH ATTACHMENT

Filed May 14, 1958

Fig.1

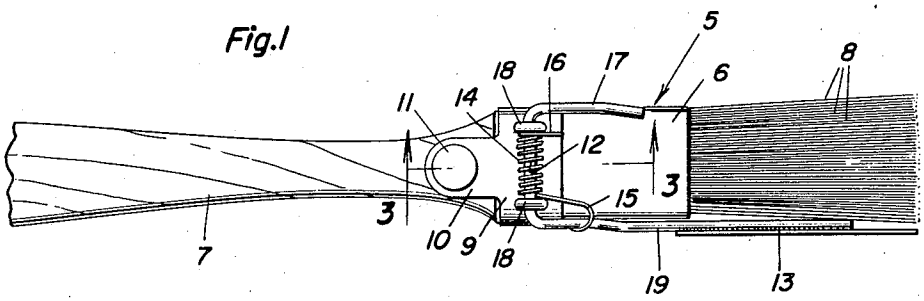


Fig.2

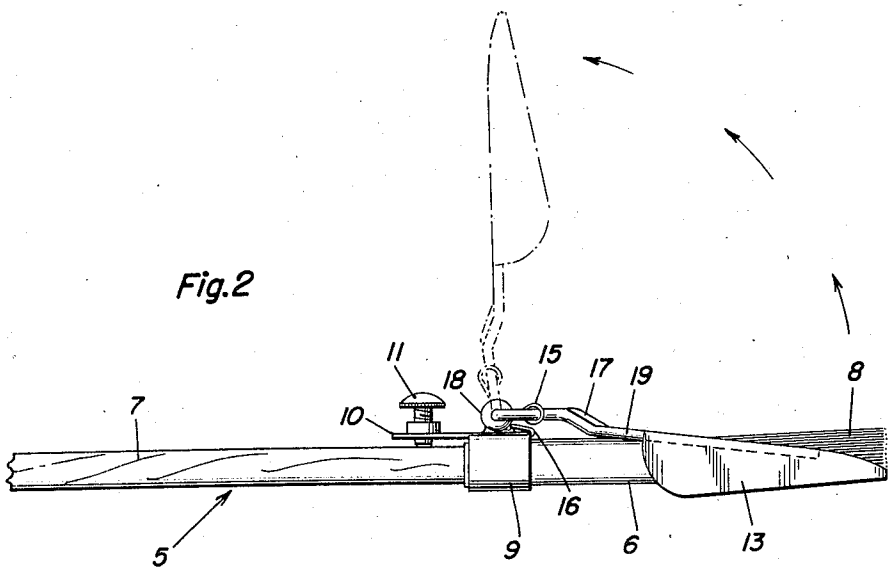


Fig.3

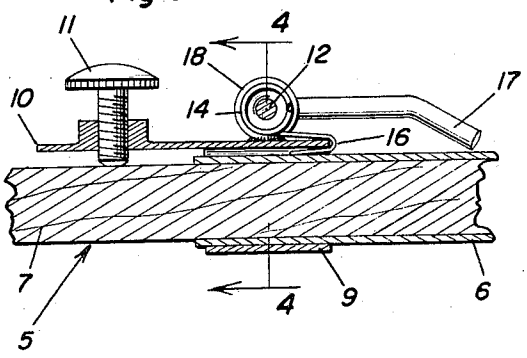
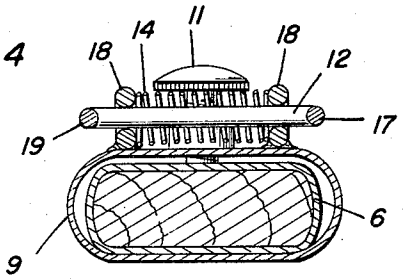


Fig.4



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BRUSH ATTACHMENT

Frank Gruden, Jr., Sheboygan, Wis.

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2 Claims. (Cl. 15—248)

The present invention relates to attachments for paint and other brushes and has for one of its important objects to provide, in a manner as hereinafter set forth, novel means whereby the material being applied may be confined to the desired surface and a sharp, uniform line drawn with unskilled labor.

Another important object of the invention is to provide a guide and mask attachment for brushes which may be readily swung to an out-of-the-way or inoperative position when desired as, for instance, when the brush is being dipped.

Still another important object of the invention is to provide an attachment of the aforementioned character which may be expeditiously mounted for use on a conventional paint or other brush without structurally altering same.

Other objects of the invention are to provide a brush attachment of the character described which will be comparatively simple in construction, strong, durable, of light weight and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view, showing an attachment constructed in accordance with the present invention mounted in position on a brush;

Figure 2 is a view in side elevation thereof;

Figure 3 is an enlarged fragmentary view in longitudinal section, taken substantially on the line 3—3 of Figure 1; and

Figure 4 is a view in transverse section, taken substantially on the line 4—4 of Figure 3.

Referring now to the drawing in detail, it will be seen that reference character 5 designates generally a conventional paint or other brush. The brush 5 comprises the usual head 6 on one end of a handle 7, said head including the bristles 8.

The embodiment of the present invention which has been illustrated comprises a band 9 of suitable metal which is mounted on the head 6 at a point adjacent the handle 7 of the brush 5. Formed integrally with the upper portion of the band 9 is a rearwardly extending ear 10 having threadedly mounted therein a setscrew 11 which is engageable with the handle 7 for removably securing said band in position on the brush.

Mounted on the upper portion of the band 9 is a pair of transversely aligned bearings 18. A generally U-shaped member comprising a shaft 12 is journaled in the bearings 18. One end portion of the shaft 12 is bent to provide an angulated arm 19 having fixed longitudinally thereon a guide and mask in the form of a metallic plate 13. The plate 13 is of the shape shown to advantage in

Figure 2 of the drawing, said plate tapering substantially to a point at its forward or free end. When in operative position, the plate 13 parallels the bristles 8 and is closely adjacent one side thereof.

Mounted under tension on the shaft 12 between the bearings 18 is a coil spring 14 for actuating the plate 13 to operative position. Toward this end, the spring 14 includes an end portion 15 which is connected to the arm 19, the other end portion 16 of said spring bearing on the band 9. At its other end, the shaft 12 terminates in an angulated arm 17 for swinging the plate 13 to retracted or inoperative position.

It is thought that the use of the device will be readily apparent from a consideration of the foregoing. Briefly, the band 9 is slipped on the head 6 of the brush 5 and the screw 11 is tightened. When the brush 5 is to be dipped the plate 13 is swung to inoperative position as shown in broken lines in Figure 2 of the drawing where it is held against the tension of the spring 14 by engaging the handle 17 with the thumb of the hand which grips the handle 7. When handle 17 is released the coil spring 14 immediately returns the plate 13 to operative position where it is arrested by the engagement of the said handle with the head 6 of the brush. The plate 13, closely paralleling the bristles 8, is adapted to yieldingly engage the work and ride thereon, said plate functioning as a mask, guide, etc. By loosening the screw 11 the device may be adjusted longitudinally to any desired position on the brush. The device may, of course, be of any suitable dimensions for use on various sizes of brushes. The attachment makes unnecessary the use of masking tape, saves considerable time and permits the execution of neat, attractive work with minimum effort.

From the foregoing, the construction and operation of the device will be readily understood and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A paint brush attachment comprising: a band adapted to be mounted on the brush head, means for removably securing the band in position on the brush head, a pair of transversely aligned bearings on the band, a shaft journaled in said bearings, arms on the ends of the shaft, an elongated plate, engageable with the work, fixed on one of the arms and adapted to extend adjacent the brush bristles in parallelism therewith when in operative position, a coil spring encircling the shaft between the bearings and connected to said one arm for yieldingly urging the plate toward operative position, the other of said arms providing means for manually holding the plate in inoperative position against the tension of the spring, said other of said arms further being adapted to engage the brush head for arresting the plate in operative position.

2. A paint brush attachment comprising: a removable band adapted to be mounted for longitudinal sliding adjustment on the brush head, a rearwardly extending ear on said band, a screw threadedly mounted in the ear and adapted for engagement with the brush for securing the band in adjusted position thereon, a pair of transversely aligned bearings on the band, a shaft journaled in said bearings, an arm on one end of the shaft, an elongated plate fixed on said arm and engageable with the work, said plate being adapted to extend adjacent the

brush bristles when in operative position, a coil spring operatively connected to the shaft for yieldingly urging the plate toward operative position, and an arm on the other end of the shaft providing means for manually holding said plate in inoperative position and adapted for engagement with the brush head for arresting the plate in operative position.

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