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PAINT BRUSH GUIDE ATTACHMENT

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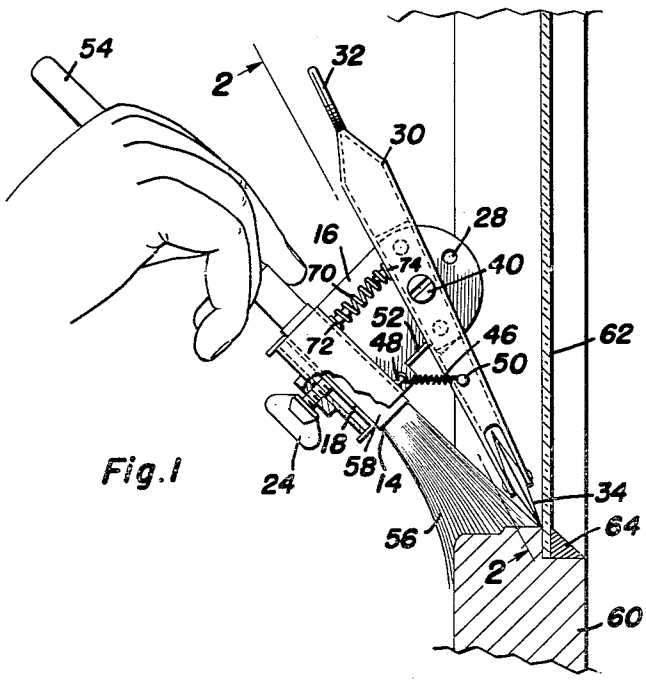


Fig. 1

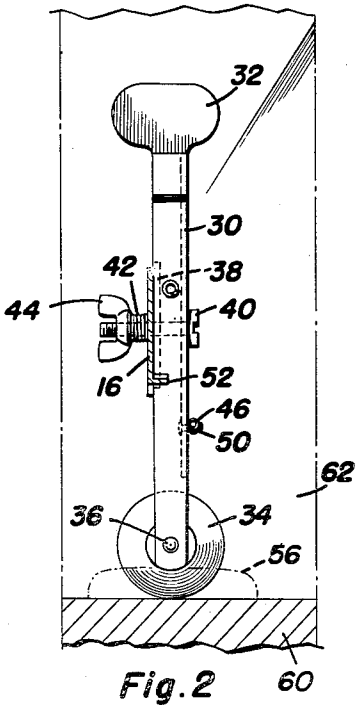


Fig. 2

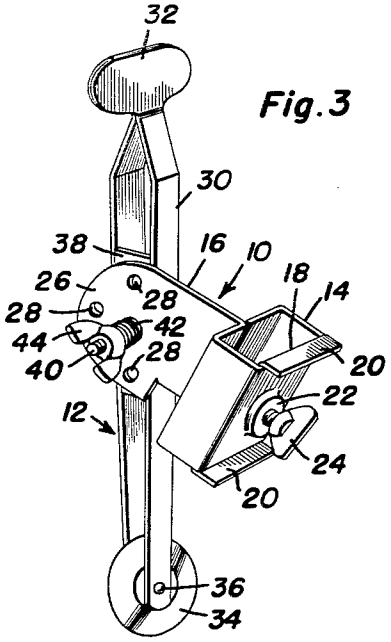


Fig. 3

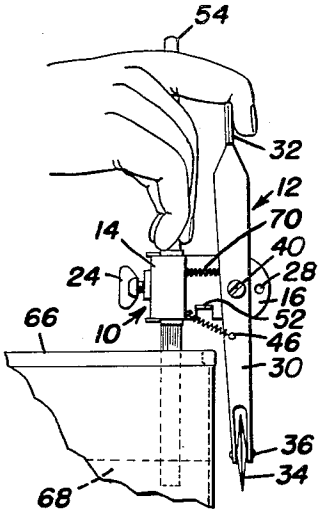


Fig. 4

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PAINT BRUSH GUIDE ATTACHMENT

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1 Claim. (Cl. 15—246)

This invention relates in general to brush guides, and more specifically to a holder for a paint brush, said holder having a guide wheel thereon for guiding a paint brush disposed within said holder with respect to a surface being painted.

The primary object of this invention is to provide an improved brush guide whereby a surface may be painted up to a predetermined line by utilizing said guide.

Another object of this invention is to provide an improved brush holder having guide means thereon, said guide means being in the form of an arm pivotally mounted on a bracket carried by said holder, said arm having a guide wheel mounted on its lower end.

Another object of this invention is to provide an improved brush holder having guide means mounted thereon, said guide means including a guide wheel rotatably carried by said holder, the lower end of said guide wheel being in axial alignment with the inner side wall of the holder portion receiving a paint brush.

Another object of this invention is to provide an improved brush holder having guide means carried thereon, said guide means being in the form of an arm pivotally secured to said holder and at an angle to the brush receiving portion of the holder, said arm being adapted to be moved in position parallel to said brush receiving portion whereby a brush mounted therein may be dipped into a paint bucket.

Another object of this invention is to provide an improved brush holder having guide means carried thereby, said brush holder being of simple and compact construction whereby it may be economically manufactured.

A further object of this invention is to provide an improved brush holder having guide means thereon, said brush holder being adapted to adjustably mount a brush therein, said guide means being in the form of an arm adjustably mounted with respect to the holder portion whereby guide means carried by said arm may be adjusted with respect to a brush carried by said holder.

With these objects definitely in view, this invention resides in certain novel features of construction, combination and arrangement of elements and portions as will be hereinafter described in detail in the specification, particularly pointed out in the appended claim, and illustrated in the accompanying drawings which form a material part of this application and in which:

Figure 1 is an elevational view of the brush holder of this invention, the brush holder having mounted therein a conventional paint brush and being illustrated in the process of painting a window adjacent a window pane thereof;

Figure 2 is a transverse vertical sectional view taken substantially upon the plane indicated by the section line 2—2 of Figure 1 and showing the general construction of the guide arm carried by the brush holder;

Figure 3 is a perspective view of the brush holder of Figure 1, the brush holder being illustrated without a paint brush mounted therein, and showing the general construction thereof; and,

Figure 4 is an elevational view of the brush guide of Figures 1 through 3 on a reduced scale, said brush guide having a a brush mounted therein and illustrating the manner in which a paint brush is dipped into a paint bucket while mounted within the brush guide and holder.

Similar characters of reference designate similar or identical elements and portions throughout the specification and throughout the different views of the drawings.

Referring now to the drawings in detail, it will be seen that there is illustrated in Figure 3 the brush holder and guide, which is the subject of this invention. The brush holder portion being referred to by the reference numeral **10** and the guide portion being referred to in general by the reference numeral **12**. The brush holder portion **10** includes a tubular holder portion **14** formed of a single sheet of metal and having a mounting bracket **16** extending therefrom at right angles. It will be noted that the tubular brush holder **14** is generally rectangular in cross section and that the mounting bracket **16** extends from the central portion of one elongated side thereof.

In order that a paint brush may be adjustably clamped within the brush holder **14**, there is provided a plate **18** for engaging the bristle retaining portion of a paint brush. The plate **18** is provided with outwardly turned flanges at its upper and lower ends, the flanges being referred to in general by the reference numeral **20** and overlying the upper and lower edges of one side of the brush holder **14** in order to retain the plate **18** therewithin. The plate **18** is mounted on the side of the tubular brush holder **14** opposite from the mounting bracket **16**. Carried by the tubular brush holder is a boss **22** which has an internally threaded bore therethrough and in which is threadedly mounted an adjusting screw **24**. The adjusting screw **24** extends into the tubular brush holder **14** and engages the plate **18** in order to move said plate towards the opposite side wall of the tubular brush holder.

The mounting bracket **16** extends from the tubular brush holder **14** and is provided with a substantially semi-circular outer end **26**. The semi-circular outer end of the mounting bracket **16** is provided with a plurality of apertures **28** which are spaced varying distances from the tubular brush holder **14**. The provision of a plurality of spaced apertures **28** permits the adjustable mounting of the guide portion **12** so that the same may be properly positioned relative to brushes of different lengths.

The guide portion **12** is in the form of an elongated channel **30** having the upper ends thereof converging to form a handle portion **32**. The handle portion **32** includes the flanges of the channel portion in face to face engagement, said upper end of the flanges being enlarged to form a wide finger engaging surface.

The lower end of the channel member **30** has its web portion partially cut away and a guide wheel **34** mounted between the lower portions of the flanges of the channel member and extending through the cut away portion of the web. The guide wheel **34** is mounted on an axle **36** in the form of a double headed rivet extending between and secured to the flanges of the channel member **30**.

Disposed intermediate the ends of the channel member **30** is a stiffening plate **38** which extends between the free ends of the flanges of the channel member and is secured thereto. The web of the channel member, the stiffening plate **38**, and one of the apertures **28** in the mounting bracket **16** has a bolt **40** received therethrough in order to connect the guide portion **12** to the brush holder portion **10**. Mounted on the bolt **40** is a coil spring **42** which engages the mounting plate **16** and is

clamped thereagainst by a wing nut **44**. Due to the coil spring **42**, the guide portion **12** may be pivoted with respect to the brush holder portion **10** under pressure, but held in tight relation thereto.

Referring now to Figure 1 in particular, it is seen that it is intended that the lower end of the guide wheel **34** is in axial alignment with the inner side wall of the tubular brush holder **14**. In order that the guide wheel **34** be retained in this position, a spring **46** is connected to a bracket **48** carried by the tubular brush holder **14** and extends to the web of the channel member **30** and is secured thereto by a fastener **50**. In order that clockwise rotation of the guide wheel **34** be limited, as viewed in Figure 1, the mounting bracket **16** is provided with a stop member **52** in the form of a tab integral therewith and cut therefrom. The tab is bent up at substantially right angles to the mounting bracket **16** and engages one of the flanges of the channel member **30**.

As is best illustrated in Figure 1, a paint brush **54** having bristles **56** secured to the handle thereof by a bristle retaining plate **58** is mounted within the tubular brush holder **14** clamped thereto by the plate **18** in combination with the adjustable clamping screw **24**. It is intended that the lower ends of the bristles **56** terminate in alignment with the lower end of the guide wheel **34**.

Referring now to Figures 1 and 2 in particular, it will be seen that the paint brush **54** mounted within the brush guide, which is the subject of this invention, is being utilized to paint a window sash having a frame **60** with glass **62** mounted therein and secured thereto by putty **64**. When it is desired to paint the frame of the sash, the brush **54** has its bristles **56** filled with paint and the bristles **56** are brushed against the frame with the guide wheel **34** engaging the frame at its intersection with the pane **62**. Since the guide wheel **34** prevents the bristles **56** from engaging the pane **62** it is obvious that all of the paint deposited on the window sash is limited to the frame **60** thereof.

When it is desired to dip the bristles **56** of the paint brush **54** into a bucket of paint, the guide portion **12** is pivoted into substantially parallel relation to the axis of the holder portion **10**, as is illustrated in Figure 4.

With the guide portion **12** in spaced relation to the brush holder portion **10**, the lower end of the brush **54** may be disposed within the paint bucket **66** and into the paint **68**. It will be noted that the guide portion **12** is moved into parallel relation with the brush holder portion **10** by gripping the handle of the brush **54** in one's hand and engaging the forefinger thereof over the handle portion **32** of the guide portion **12** and pulling the upper end of the guide portion towards the handle of the brush **54**.

When the bristles **56** of the paint brush **54** have been filled with paint **68**, the entire assembly is removed from the paint bucket **66** and the forefinger of the hand is removed from the handle portion **32**. The guide wheel **34** is then pivoted to assume an angle to the axis of the tubular brush holder **14** by the spring **46**. Due to the stop **52**, the guide wheel **34** merely engages the lower ends of the inner bristles **56**.

The guide portion **12** is further urged towards the stop member **52** by a compression spring **70** which is located above the bolt **40** and urges the guide portion **12** away from the brush holder portion **10**. The compression spring is retained in position by pins **72** and **74** carried by the brush holder portion **10** and the guide portion **12**, respectively, the pins **72** and **74** being telescoped within opposite ends of the spring **70**.

While two springs, the tension spring **46** and the compression spring **70**, have been illustrated and described as urging the guide portion **12** into engagement with the stop member **52**, it is not intended to so limit the invention. Although two springs may be utilized, it will be understood that only one of the springs will be necessary if it is of sufficient size and strength.

The operation of this device will be understood from the foregoing description of the details thereof, taken in connection with the above recited objects and drawings. Further description would appear to be unnecessary.

Minor modifications of the device, varying in minor details from the embodiment of the device illustrated and described here, may be resorted to without departure from the spirit and scope of this invention, as defined in the appended claim.

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

A paint brush guide comprising a holder adapted to have mounted therein a paint brush, a mounting bracket carried by said holder, an arm rotatably mounted on said bracket, a guide wheel carried by said arm, said arm being secured to said mounting bracket by an adjustable fastener, said fastener passing through an aperture in said bracket, said bracket being provided with a plurality of apertures adapted to selectively receive said fastener for adjustably mounting said arm.

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