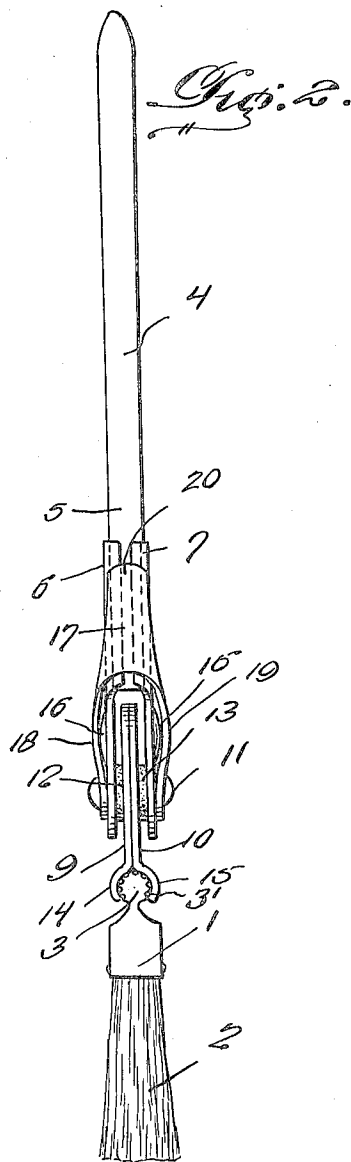
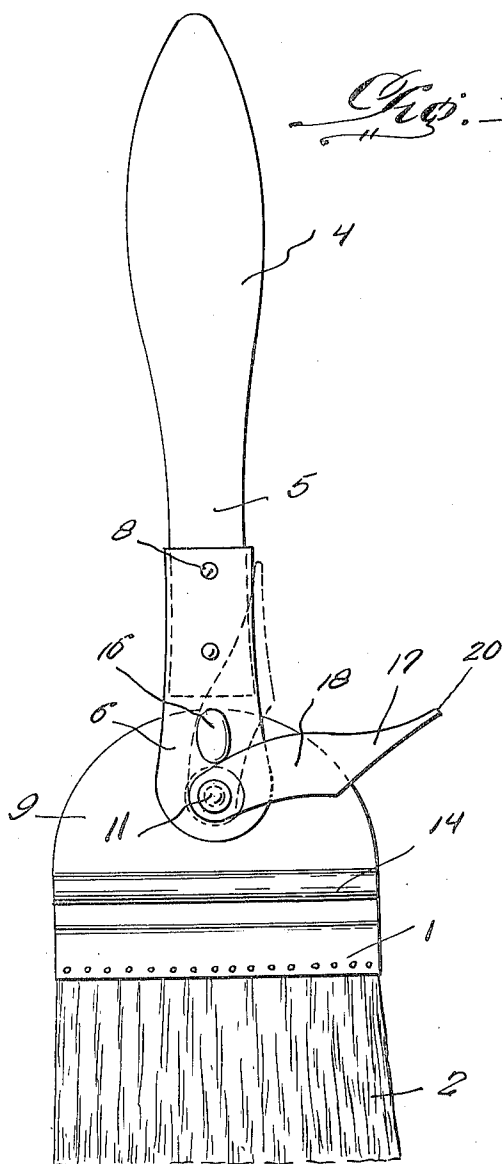


Aug. 10, 1926

1,595,901

M. MAHLER
ADJUSTABLE PAINTBRUSH
Filed July 28, 1925



Inventor
M. Mahler,

By *Clarence A. Pison*
Attorney

UNITED STATES PATENT OFFICE.

MAX MAHLER, OF LINDEN, NEW JERSEY.

ADJUSTABLE PAINTBRUSH.

Application filed July 28, 1925. Serial No. 46,610.

This invention relates to improvements in paint brushes and more particularly adapted to one wherein the brush head is adapted to be moved to various angular positions with respect to the handle so as to facilitate the use of the brush in places which are ordinarily difficult to attain access thereto with the paint brush now ordinarily in use.

Another important object of the invention is to provide an adjustable paint brush of the above mentioned character wherein means is provided for holding the brush head in its various adjusted positions against accidental movement, the adjusting of the brush head with respect to the handle permitting the use of a single brush for various purposes.

A still further object is to provide an adjustable paint brush of the above mentioned character which is simple in construction, inexpensive, and further well adapted to the purposes for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following description taken in connection with the accompanying drawing.

In the accompanying drawing forming a part of this application and in which like numerals designate like parts throughout the same:

Figure 1 is a side elevation of the adjustable paint brush embodying my invention, the clamp being shown in an open operative position and,

Figure 2 is an edge elevation with the clamp shown in a closed operative position.

In the drawing, wherein for the purpose of illustration I have shown the preferred embodiment of my invention, the numeral 1 designates a brush head of substantially rectangular design, the bristles 2 extending on the bottom thereof in the usual manner. Formed on the upper edge of the brush head is a longitudinally extending rib 3, the same being of substantially circular design in end elevation as is more clearly illustrated in Figure 2. The rib 3 is provided with the longitudinally extending corruga-

tions 3', the purpose of which will be hereinafter more fully described.

The handle forming a part of my improved paint brush is indicated at 4. Secured on the opposite sides of the lower portion of the shank 5 of the handle are the upper portions of the complementary plates 6 and 7 respectively, the securing means therefor being shown at 8. The lower ends of the plates extend beyond the lower end of the shank and as is shown more clearly in Figure 2, the upper side portions of the plates are slightly curved to conform to the shape of the lower end of the shank.

A pair of substantially semi-circular plate like members 9 and 10 are provided in their intermediate portions with registering openings and through which extends the pivot pin 11, the latter also extending through the lower ends of the plates 6 and 7, the upper portion of the semi-circular plate like sections 9 and 10 being disposed between the lower ends of the plates 6 and 7 and are spaced from the respective plates by means of the washers 12 and 13 respectively. The purpose of this arrangement will hereinafter be more fully described.

The lower straight edges of the plate like sections 9 and 10 are curved outwardly to provide the coacting gripping jaws 14 and 15 which engage the corrugated rib 3 formed on the upper edge of the brush head 1 in the manner as shown more clearly in Figure 2 whereby the brush head and the plate like sections 9 and 10 comprise a single unit.

Struck out from the lower portion of the plates 6 and 7 are the protuberances 16. For the purpose of locking the brush head in any desired angular adjusted position with respect to the handle 4, I provide the substantially U-shaped clamp 17, the same being formed of a single piece of metal, the free ends of the arms 18 and 19 respectively being pivotally supported on the outer ends of the pivot pin 11. The arm 18 is adapted for movement on the outer face of the plate 6 while the other arm 19 of the U-shaped clamping member 17 is disposed adjacent the outer face of the other plate 7. The

crown portion of the U-shaped clamping member 17 is provided with an extension 20 to form a handle in actuating the clamping member whereby the same may be moved to an open or closed position.

When the clamp is in the position as shown in Figure 1, the sections 9 and 10 are adapted for swinging movement on the pivot 11 between the lower ends of the plates 6 and 7 so that the brush head may be moved in a vertical plane to any desired adjusted angle with the handle. Furthermore the coacting gripping jaws 14 and 15 and the corrugated rib 3 of the brush head which is disposed between the jaws provides a means whereby the brush head may be swung in a plane at right angles to the plane in which it is moved about the pivot 11 so that the brush head may be disposed in any horizontally adjusted as well as any vertically adjusted position. After the brush head has been positioned at the proper angle, the clamp 17 is then swung upwardly on its pivot by exerting a pressure on the extension 20 of the crown portion of the clamp during the upward swinging movement of the clamp; the spring arms 18 and 19 will engage the protuberances 16 and as a result force the lower ends of the plates 6 and 7 and the washers 12 and 13 into frictional engagement with the respective plate like sections 9 and 10 thus holding the sections in their proper adjusted positions against accidental swinging movement on the pivot 11. The corrugated ribs of the brush head will also be prevented from moving within the coacting gripping jaws 14 and 15 when the plate like sections are brought together and the corrugations formed on the ribs will coact with the inner faces of the gripping jaws to prevent the accidental swinging of the brush head in a horizontal plane. When the clamp is in a locked position such as is shown in the dotted lines of Figure 1, the crown portion will about the edge portions of the complementary plates 6 and 7.

A paint brush of the above mentioned character may therefore be readily and easily handled in adjusting the angle at which the brush head is to be disposed with respect to the handle the simplicity in which the adjusting means is constructed renders the same at all times positive and efficient and will furthermore save considerable time and labor.

A paint brush of the above character is particularly adapted for use in reaching surfaces which are ordinarily inaccessible with paint brushes of the ordinary type and more particularly in painting radiators. Furthermore the use of a brush of the character embodied in the present invention will obviate the necessity of having to employ a number of different kinds of brushes

wherein the heads are disposed at various angles with respect to their handles.

While I have shown the preferred embodiment of my invention it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claims.

What I claim is:—

1. In combination with a brush head, having a rib formed on the longitudinal upper edge thereof, a pair of complementary plate like sections, coacting gripping jaws formed on the lower portion of said plate like sections and adapted for cooperation with the rib formed on the upper edge of the brush head to permit the swinging of the brush head in a vertical plane and transversely of the plate like sections, a handle, a pair of complementary plate like members secured at their upper ends on the opposite sides of the lower end of the handle, the lower ends of the last mentioned plate like members being disposed adjacent the outer sides of the upper portions of the first mentioned plates, a pivot pin extending through the lower portions of the last mentioned plates, and the upper portions of the first mentioned plates, washers on said pivot pin interposed between the respective plates, said first mentioned plate like members being adapted for swinging movement between the second mentioned plate like member in a vertical plane, at right angles to the plane in which the brush head is moved, whereby the brush head may be moved to any angle with respect to the handle, and clamping means for locking the brush head in any angularly adjusted position.

2. In combination with a brush head, having a rib formed on the longitudinal upper edge thereof, a pair of complementary plate like sections, coacting gripping jaws formed on the lower portion of said plate like sections and adapted for cooperation with the rib formed on the upper edge of the brush head to permit the swinging of the brush head in a vertical plane and transversely of the plate like sections, a handle, a pair of complementary plate like members secured at their upper ends on the opposite sides of the lower end of the handle, the lower ends of the last mentioned plate like members being disposed adjacent the outer sides of the upper portions of the first mentioned plates, a pivot pin extending through the lower portions of the last mentioned plates, and the upper portions of the first mentioned plates, washers on said pivot pin interposed between the respective plates, said first mentioned plate like members being adapted for swinging movement between the second mentioned plate like

member in a vertical plane at right angles to the plane in which the brush head is moved, whereby the brush head may be moved to any angle with respect to the handle, and clamping means for locking the brush head in any angularly adjusted position, said clamping means comprising a substantially U-shaped member, the arms thereof being supported on the outer ends of the pivot pin, the second mentioned plate 10 like members being provided with protuberances over which the respective arms of the U-shaped clamping member are adapted to be disposed.

In testimony whereof I affix my signature.

MAX MAHLER.