UNITED STATES PATENT OFFICE.

CLAUDIA R. DAY, OF ARTHUR, WEST VIRGINIA.

Drip-Cup for Paint-Brushes.


To all whom it may concern:

Be it known that I, CLAUDE R. DAY, a citizen of the United States, residing at

Arthur, in the county of Grant and State of West Virginia, have invented a new and useful Drip-Cup for Paint-Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved drip cup for paint brushes and the like.

An object of the invention is to provide a simple and efficient device of this nature which is applicable to any construction or design of paint brush, and adapted to fit the same detachably, and in such wise as to prevent leaking of the drippings.

One of the features of the invention is to provide a drip cup comprising two members, one telescoping the other and fitting the paint brush, said members having interlocking means to hold them in place.

Another feature of the invention is to provide the lower edge portion of said members with a right angled extending flange extending toward the ferrule of the brush, and on which flanges strips of felt or other suitable materials are secured in any suitable manner, the strips of felt being a little wider than the flanges, so as to bear tight against the ferrule, and to allow for the varying thicknesses of brushes, and also to permit the felt to accommodate itself to the unevenness of the ferrule.

Another feature of the invention is to provide the free ends of the sides of one of the members with angular flanges, to keep said free ends, especially adjacent the upper edge of the cup, spaced apart from the ferrule of the brush.

Another feature of the invention is that the cup may be constructed in different shapes and sizes, in order to fit different shapes and sizes of brushes.

Another object of the invention is to fasten the drip cup permanently to a brush by springs or the like, in which case the flange at the bottom of the cup is dispensed with, and a strip of leather or the like forms the bottom, through which the springs extend, and penetrate the brush, as shown in Figures 5 and 6.

In practical fields the details of construction may necessitate alterations, falling within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings: Fig. 1 is a view in perspective of a paint brush, which may or may not be provided with a ferrule, and which may be flat or any other suitable shape, and showing the improved drip cup as applied thereto. Fig. 2 is a sectional view on line 2—2 of Fig. 1. Fig. 3 is a sectional view on line 3—3 of Fig. 1. Fig. 4 illustrates collective views of the two sections or members of the drip cup. Fig. 5 is a transverse sectional view showing the sections or members of the drip cup secured by springs or the like to the brush, in which case the flanges at the bottoms of said members are dispensed with, and a strip of leather is secured between the members and the brush by the springs. Fig. 6 is a sectional view on line 6—6 of Fig. 5. Fig. 7 shows a perspective view of a cylindrical drip cup as applied to a cylindrical brush. Fig. 8 is a sectional view on line 8—8 of Fig. 7. Fig. 9 shows a sectional view through a cylindrical brush and the cylindrical drip cup, in which case the flange at the bottom of the drip cup is dispensed with, and a strip of leather secured to the drip cup, in case it is found that the flange would destroy the resiliency of the metal of the cylindrical drip cup.

Referring more particularly to the drawings, 1 designates the body of the paint brush, to which the bristles 2 may be secured in any suitable manner. The drip cup comprises two U-shaped members 5 and 6 constructed of spring sheet metal, so that the side portions 7 and 8 of both members or sections will tend to spring toward each other, so that when the sections are fitted to the brush, that is, the body thereof, said opposite side portions will automatically hold the sections in place. The lower portions of said members or sections are provided with flanges 4, and secured to the flanges in any suitable manner are strips of felt or the like 11. The strips of felt 11 are a little wider than the flanges, so as to bear tight against the body of the brush, and allow for the varying thicknesses of the brushes, and so that the felt will accommodate itself to the unevennesses of the body of the brush. This felt bears tight against
the body, so as to prevent the leaking of
the drippings from the cup. The opposite
side portions of the section 5 are provided
with depressions 9, any opposite two of
which, receives the opposite bulges 10 of
the two side portions of the section 6, thereby
acting to hold the two sections or members
securely but detachably to the brush. The
free end portions of the parts 7 and 8 of
the section or member 5 are provided with
right angled flanges 9, to engage the body
of the brush, to hold the opposite side por-
tions 7 and 8 spaced apart from the body.
In arranging the drip cup on the brush, the
sections arch the body of the brush trans-
versely, so that one section or member tele-
scopes the other section or member, the
flanges 4 being held out of contact with the
body by virtue of the felt strips.

In Figs. 5 and 6 the flanges 4 are dis-
ensed with, and a leather strip 11 is se-
cured between the members 5 and 6 and the
body of the brush by means of the sprigs or
the like 18, the leather strip acting to pre-
vent leakage of the drippings.

In Figs. 7 and 8 the drip cup is con-
structed in the form of an annular band,
the lower edge portion of which is provided
with a flange 16, on which a strip of felt or
the like is arranged. In this instance, the
strip of felt 11 is wider than the flange, so
as to bear against the body of the brush and
accommodate itself to the unevenesses of
the body. One end of the band 13 of the
cup shown in Figs. 5 and 8 has a right an-
gled flange 17, which holds the band of the
cup spaced apart from the body of the
brush.

Fig. 9 shows a cylindrical brush and a
cylindrical drip cup, and the flange 16 dis-
pensed with, in which case a leather strip
11 is secured to the band 13 of the cup in
any suitable manner.

In Figs. 7, 8 and 9 the band 13 of the
cup is shown as overlapping as shown at 45
14, which overlapping ends are secured to-
together by the interlocking lugs and depres-
sions 15, similar to those at 9 and 10 in
Fig. 4.

The invention having been set forth, what
is claimed as new and useful is:

1. In combination with a paint brush, a
drip cup, said cup comprising two sections
U-shaped in plan view, and designed to arch
the body of the brush transversely, said sec-
tions being constructed of resilient sheet
metal and having interengaging elements
to hold the sections in place, the opposite
sides of said sections being yieldable and
normally inclined toward each other to
yieldably engage the body, the bottom por-
tions of the sections having flanges provided
with strips of fiber wider than the flanges
to bear against the body of the brush, the
free portions of the sides of one of said
U-shaped members having right angled
flanges to engage the body of the brush to
hold the sides spaced from the body.

2. In combination with a paint brush, a
drip cup comprising a pair of U-shaped sec-
tions constructed of spring sheet metal, said
U-shaped sections having fiber bottoms to
bear against the body of the brush, the sides
of the U-shaped sections designed to arch
the body of the brush and telescope each
other and having interlocking elements to
hold the sections in place, the free portions
of the sides of one of said sections having
right angled flanges to bear against the body
to hold the sides of one of the sections
spaced from the body.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

CLAUDE R. DAY.

Witnesses:
A. V. HALTERMAN,
EDITH E. DAY.