This invention relates to combined mop and brush holders especially adapted for household use, cleaning implements of this kind being constructed for interchangeable use of either a brush or a swab or cleaning cloth. The present invention has more particular reference to implements of this kind attached to the end of a stick handle and equipped with a clamping bail adapted for clamping and holding either a brush or the cleaning swab.

One of the objects of my invention is to provide an improved brush holding means which will give a more rigid and durable support for the brush.

Another object is to provide a brush holding part and a mop head jaw part each preferably in the form of a one-piece sheet metal stamping adapted to be quickly and easily assembled. This greatly facilitates the manufacture and enables economy in the cost of production.

Still another object is to provide a brush holding part so constructed that it will be held in position on the mop head jaw by the handle spindle when the latter is inserted into its socket. The brush holding part is further shaped so that it has a wide seat on the jaw and has brush engaging parts in spaced relation.

Referring to the drawing—

Figure 1 is a side elevation of a combined mop and brush holder embodying my invention, showing a brush clamped by the holder;

Fig. 2 is an enlarged view of the mop head end of the implement with the brush removed;

Figs. 3 and 4 are sections taken on the lines 4--4 and 5--5 respectively of Fig. 2; and

Fig. 6 is a perspective view of the brush holding part.

The mop head comprises a suitable stationary jaw designated generally by 7 having a notch 8 in each end for guiding the sides of a clamping bail designated generally by 9 and having angular wings 10 providing a groove for the reception of the clamping portion 11 of the bail and also serving to hold the cleaning swab (not shown) when the latter is clamped between the jaw and the bail. In the present case the ends of the bail are connected to a ring 12 having threaded engagement on a screw sleeve 13 equipped with wings 14 to facilitate turning. This sleeve is rotatable on the spindle 15 of the handle stick 16.

The terminal end of the spindle seats in a socket on the jaw 7 and is suitably fixed thereto. By rotating the sleeve 13 the bail may be clamped and released as will be obvious. The parts above described are of conventional construction.

According to my invention the brush is clamped between lugs 15' or the equivalent on the bail and a part designated generally by 16 attached to the mop head jaw 7. The part 16 is preferably a one-piece stamping shaped to provide one or more brush holding lugs 17 and a broad base 18 adapted to seat against the jaw 7 and to be firmly attached thereto. In the preferred embodiment the part 16 has a semi-circular portion 19 which extends through an opening in the jaw 7 to serve as part of the spindle socket. Thus when the spindle is inserted into the socket it will engage the socket portion 19 and hold the base part 18 of the brush holding part firmly against the jaw. In the preferred embodiment illustrated herein the part 16 has two spaced arms 20 bent up from the base portion 18 and also has two semi-circular strap portions 21 pressed laterally from said base portion at the ends of the strap portion 19. In fact the base portion is composed of the centrally disposed strap portions 19 and 21 and narrow flat portions 22 extending the full length of the base portion which seat against the jaw. The opening in the jaw through which the socket portion 19 is inserted is formed by pressing a similar semi-circular strap portion 23 laterally from the jaw piece and the socket is completed by an oppositely pressed semi-circular strap portion 24 and a socket portion 25. It will be manifest that the socket portion 19 fits into the strap portion 23 and that the strap portions 21 are complementary to and fit over the socket portions 24 and 25. Thus when the handle spindle is inserted in the socket in the manner shown in Fig. 5 the brush holding part will be firmly...
seated on the jaw. Suitable means such as a
nail 26 passed through the strap portions 21
and 24 and into the spindle as shown in Fig.
5 serves to retain the spindle from displac-
ment.
From the foregoing it will be manifest that
when assembling the mop head it is only nec-
essary to position the brush holding part on
the jaw with the socket portion 19 located
in the strap portion 23 of the jaw and then
to insert the handle spindle in the socket.
The handle spindle then retains the brush
holding part in position. When used as a
brush holder the brush will be engaged be-
tween the lugs 15' on the bail and 17 on the
arms 20, thus providing spaced points of sup-
port at both sides of the brush. By draw-
ing the bail upwardly in the clamping ac-
tion the brush will be clamped with consid-
erable force between the lugs and thus will
be very securely held in position; in fact the
brush is held so solidly that it is impossible
to dislodge it even with the most severe us-
age. It should be noted that the one-piece mop
head jaw disclosed herein constitutes a sep-
ate invention claimed in my copending ap-
plication the advantages of which accrue to
the present case. The present invention is
not however, dependent on a one-piece jaw
but might be used with any form of mop
head jaw having the necessary cooperating
features of construction. Furthermore the
form of bail operating means shown herein
is merely for purpose of illustration and any
suitable means may be employed for this pur-
pose.
I claim as my invention:
1. A combined mop and brush holder hav-
ing a mop head jaw providing with a handle
spindle socket formed by semi-circular strap
portions pressed in opposite directions from
the jaw, and a brush holding part adapted
to seat against the jaw having semi-circular
strap portions complemental to those of the
jaw.
2. A combined mop and brush holder hav-
ing a mop head jaw providing with a handle
spindle socket formed by semi-circular strap
portions pressed in opposite directions from
the jaw, and a brush holding part adapted to
seat against the jaw having semi-circular
strap portions complemental to those of the
jaw, the strap portions being so arranged
that the brush holding part will be retained
in position on the jaw by insertion of the
handle spindle in the socket formed by such
strap portions.
3. As an article of manufacture, a brush
holder part for a mop head comprising a
one-piece stamping having a base portion and
turned up ends, each end terminating in a
brush holding lug, the base portion being
centrally formed to provide oppositely ex-
tending semi-circular strap portions.
4. As an article of manufacture, a brush
holder part for a mop head comprising a
one-piece stamping having a base portion
adapted to seat against the mop head jaw,
brush engaging means turned up from one
side of the base portion, and a semi-circular
socket portion pressed from the base portion
in the opposite direction and adapted to be
engaged by the handle spindle when assem-
bled on the mop head.
5. A combined mop and brush holder com-
prising a mop head jaw having spaced semi-
circular socket portions pressed from one side
and an intermediate semi-circular strap por-
tion pressed from the opposite side, a brush
holder part adapted to seat on the jaw hav-
ing semi-circular portions pressed from oppo-
site sides complementary to those on the jaw
so that the central strap portion of the brush
holder part seats in the complementary strap
portion on the jaw, and a handle having a
spindle inserted in the socket formed by said
semi-circular portions and serving to retain
the brush holder part on the jaw.
6. A combined mop and brush holder hav-
ing a mop head jaw and a brush holder part
each formed of a one-piece stamping and
each shaped to provide a socket portion, the
two socket portions being arranged to inter-
gen the form of a socket for the reception of
the handle spindle, and a handle having its
spindle inserted into the socket and serving
by engagement with the socket portion of the
brush holder part to hold such part in po-
osition on the jaw.
In witness of the foregoing I affix my sig-
nature.

WALTER A. SMITH.