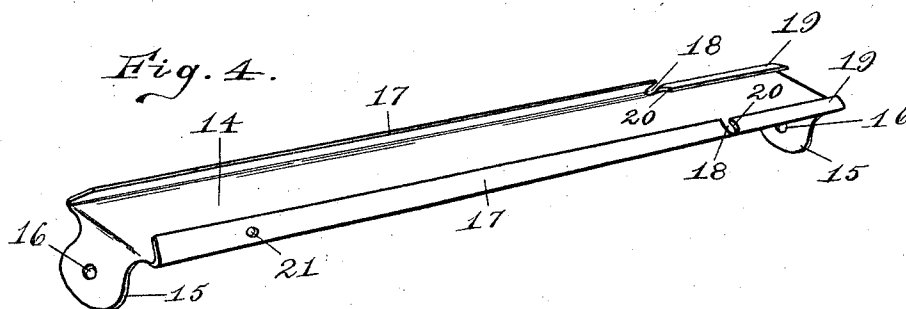
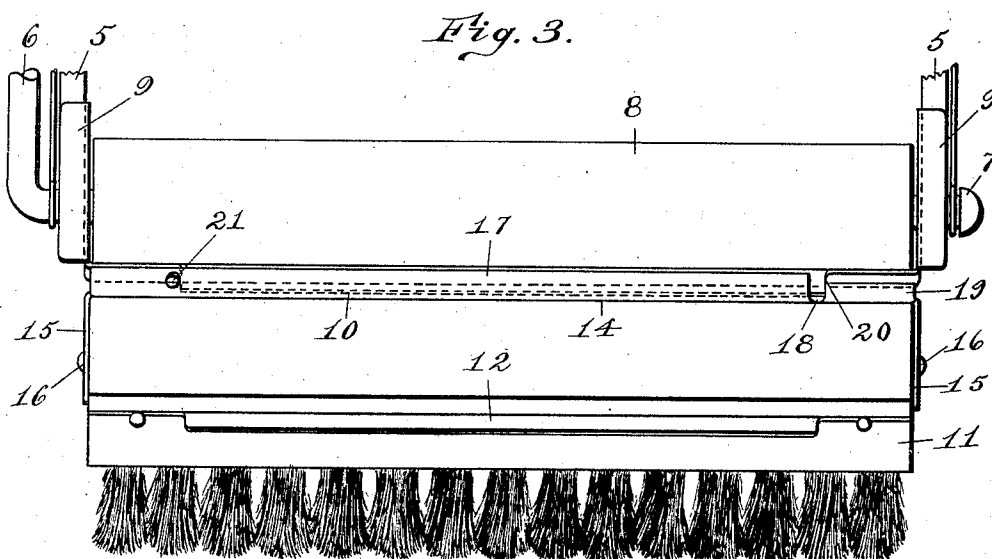
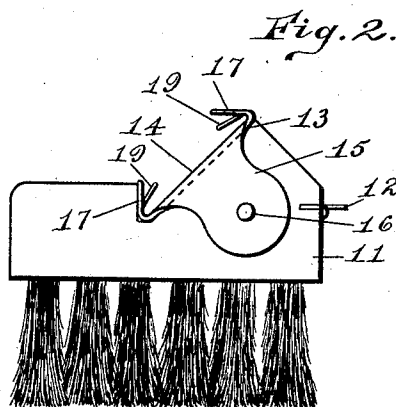
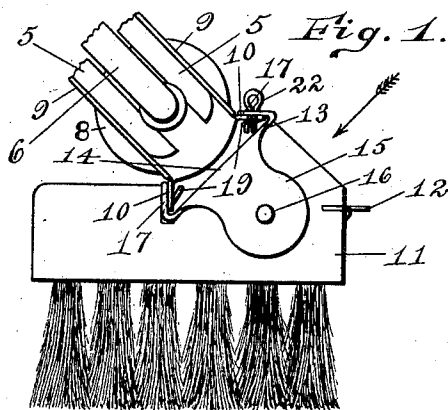


W. DUPRÉ.
COMBINED SCRUBBER AND MOP.
APPLICATION FILED JULY 1, 1911.

1,038,542.

Patented Sept. 17, 1912.



Witnesses:

Chas. E. Chase
S. T. Thayer

Inventor:

Wilfred Dupré
O. A. C. Att'y.

UNITED STATES PATENT OFFICE.

WILFRED DUPRÉ, OF WORCESTER, MASSACHUSETTS.

COMBINED SCRUBBER AND MOP.

1,038,542.

Specification of Letters Patent.

Patented Sept. 17, 1912.

Application filed July 1, 1911. Serial No. 636,398.

To all whom it may concern:

Be it known that I, WILFRED DUPRÉ, a citizen of the United States of America, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Combined Scrubbers and Mops, of which the following is a specification.

This invention relates to brushing and scrubbing and particularly to a combined scrubber and mop.

An object of this invention is to produce a novel means for connecting mop holders to brushes, the said mop holder being of the type disclosed in my application 612,333 filed on the 4th day of March 1911.

The purpose of this invention is to provide novel means for connecting a brush to a mop holder, the said connecting means being detachable for the purpose of readily removing the brush from the mop holder, provision being made for retaining the mop holder and brush in assembled relation whereby a strong and durable joint will be produced between the two members.

Furthermore, an object of this invention is to provide means for facilitating the application of the mop holder to the brush or for removing or disassociating the said parts notwithstanding the joint between the two members is a rigid one when the proper fastenings are undisturbed.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote corresponding parts in the several views, and in which—

Figure 1 is an end view of a brush and a fragment of a mop holder forming the subject matter of the above mentioned application; Fig. 2 is a view in elevation of the end of the brush with the mop holder removed therefrom; Fig. 3 is a side elevation of the parts of the device shown in Fig. 1; and Fig. 4 is a perspective view of one of

the members for attaching the brush to the mop holder.

In these drawings, I have shown but a fragment of the mop holder, the arms 5 of the rim thereof being slotted to receive the crank handle 6 and journals 7 which are carried by the plates 9 and support the roller 8. The arms 5 have plates 9 thereon terminating in flanges 10, standing at an angle to the plates and it is to be understood that the arms 5 are to be connected to a handle as in the mop holder forming in part the subject matter of the invention disclosed in the application above mentioned.

The brush head 11 has a scraper 12 thereon and the top of said brush head has an inclined shoulder 13 to which is attached a plate 14 having ears 15 at the ends thereof which overlie the ends of the head 11, the said ears having apertures for the reception of fastening members 16 which may be of any appropriate type. The plate has flanges 17 on its longitudinal edges partially overlying and standing at angles with relation to the surface of the plate 14, the said flanges having notches 18 therein at a point intermediate their lengths, the said flanges beyond the notched portions lying closely to the surface of the plate 14 as shown at 19. By reason of the relation of the flanges to the surface of the plate, beyond the notches, those portions of the flanges beyond the notches present shoulders 20 which contact with the ends of the flanges 10 of the mop holder, thus limiting the movement of the flanges longitudinally of the plate 14, it being understood that the flanges 10 are inserted under the flanges 17 and are slid longitudinally of the said flanges 17 until they engage the shoulders 20.

One of the flanges 17 has an aperture 21 and one of the flanges 10 is likewise provided with an aperture for the reception of a cotter pin 22 and while I have here shown a cotter pin, a solid pin or other fastening device may be employed for the purpose of holding the flanges of the plate and the flanges of the mop holder in assembled relation, so as to prevent relative movement of the same until released by the removal of the pin 22. The relation of the flanges 17 to

the plate 14 is preferably such as to require such degree of pressure when the flanges 10 are inserted under the flanges 17 as to result in frictional engagement to insure a tight
5 joint between the two sets of flanges.

I claim—

In a scrubbing device, a frame, a plate having flanges, said plate being mounted on the frame, a wringing roll carried by the
10 plate, in combination with a brush the head

of which is provided with a dove-tailed groove said groove adapted to receive the flanges of the plate and means for holding the latter in the groove.

In testimony whereof, I affix my signature. 15
in the presence of two witnesses.

WILFRED DUPRÉ.

Witnesses:

THOMAS H. McAVOY,
O. A. TAFT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
