Oct. 11, 1938. D. PAUL 2,133,148

BRUSH ATTACHING DEVICE FOR MOPS

Filed June 5, 1937

Fig. 1.

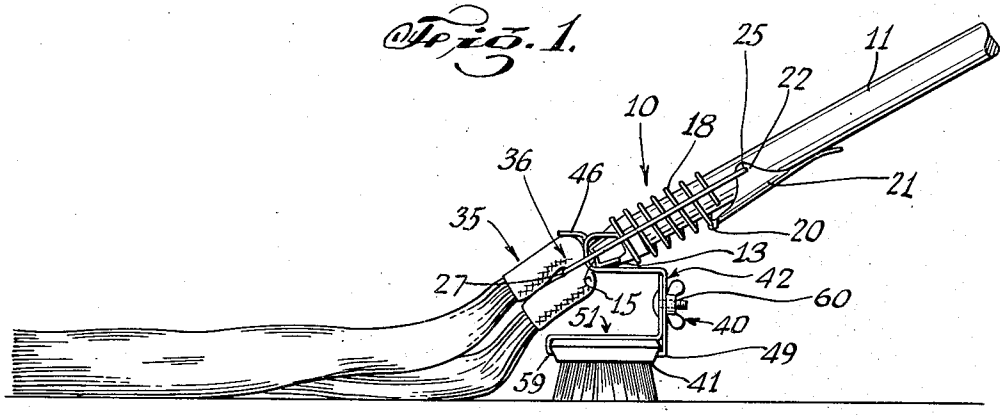


Fig. 2.

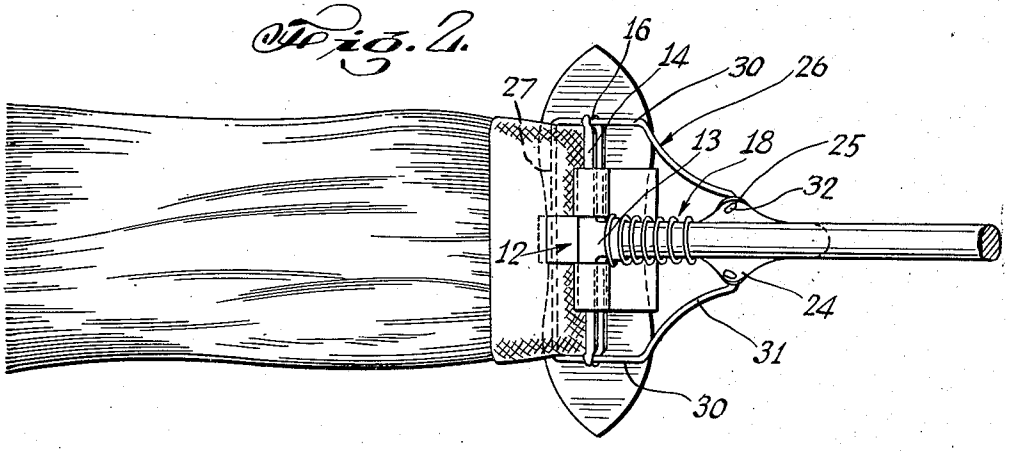


Fig. 4.

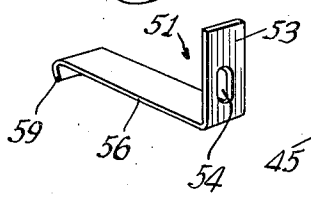
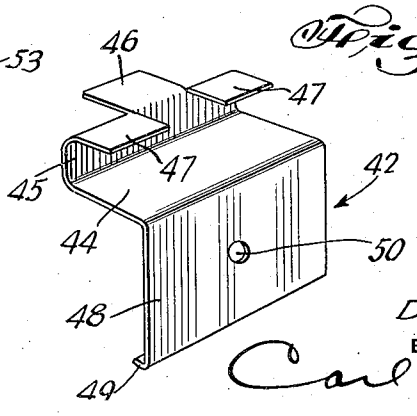


Fig. 3.



INVENTOR
DAVID PAUL
BY
Carl Miller
ATTORNEY

Patented Oct. 11, 1938 2,133,148

UNITED STATES PATENT OFFICE

2,133,148

BRUSH ATTACHING DEVICE FOR MOPS

David Paul, Brooklyn, N. Y.

Application June 5, 1937, Serial No. 146,649

1 Claim. (Cl. 15—115)

This invention relates to a combined mop and scrubbing brush.

An object of this invention is to provide a combined mop and scrubbing brush of the character described which may be used either as a scrubbing brush or as a mop, and which necessitates only simple manipulation to effect the change from one to the other.

A further object of this invention is to provide a rugged and durable article of the character described, which is extremely simple to manipulate, relatively inexpensive to manufacture, and yet practical and efficient to a high degree in use.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combinations of elements, and arrangement of parts which will be exemplified in the construction hereinafter described, and of which the scope of application will be indicated in the following claim.

In the accompanying drawing, in which is shown one of the various possible illustrative embodiments of this invention,

Fig. 1 is a side elevational view of a combined mop and scrubbing brush embodying the invention;

Fig. 2 is a top plan view of the same;

Fig. 3 is a perspective view of one part of the adaptor; and

Fig. 4 is a perspective view of another part of the adaptor.

Referring now in detail to the drawing, 10 designates a mop and scrubbing brush embodying the invention. The same comprises an elongated handle or stick 11. Fixed on the end of the handle is a T-shaped member 12 having a central socket portion 13 receiving said end of said handle and a head portion 14 disposed at right angles to the handle, and extending to opposite sides thereof. Said portion 14 is channel shaped. The outer surface of the portion 14 is curved inwardly as shown at 15. The outer ends of said portion 14 are notched as at 16 for the purpose hereinafter appearing.

Surrounding the lower end of the handle 11, and the socket portion 13 of the member 12, is a coil compression spring 18. The outer end of the coil abuts the member 12. Any suitable means may be used to attach said end of said spring to the socket 13, and said socket to the handle. Hinged to the upper end of the coil 18 as at 20, is a hand lever 21 of curved cross section having ears 22 partially surrounding the handle. The ears are perforated, as at 25. Hinged to the lever 21 is a wire frame 26 having a portion 27 parallel to the head portion 14 of the member 12, and extending lengthwise of the inwardly curved surface 15 in opposed relation thereto. Extending rearwardly from the frame portion 27, are parallel portions 30, extending through the notches 16 in the portion 14 of said member 12. Extending from said parallel portions 30 are inwardly curved portions 31 having hooks 32 at the ends thereof engaging within the perforations 25 in the ears 22.

The spring 18 normally pushes the frame 26 upwardly on the handle to press the portion 27 of said frame toward the inwardly curved surface 15. The notches 16 provide guides for the frame. Upon turning the end lever 21 downwardly, the frame is released.

The mop 35 has its intermediate portion 36 passing between the portion 27 of the frame 26 and the portion 14 of the member 12. The spring 18 normally serves to clamp the mop to said member 12 when the mop is used alone.

As shown in the drawing however, there is fixed to the mop a two part adaptor or clamp 40 for holding scrubbing brush 41. The adaptor or clamp 40 comprises a member 42 made of flat sheet metal, having a horizontal portion 44 from which there extends upwardly a wall portion 45. Extending outwardly from said portion 45 is a central tongue 46 and extending rearwardly from said portion 45, and on opposite sides of said portion 46, are a pair of aligned tongues 47. Extending downwardly from the rear of said portion 44, is a portion 48 terminating in a forwardly extending ledge 49. Said wall portion 48 has a central opening 50 for the purpose hereinafter appearing.

Said adaptor member 42 may be assembled with the mop in the following manner. The portion 14 of the member 12 is inserted between the tongues 47 and the wall 44, and in contact with the wall 45. The wire frame is passed over and beneath the tongue 46. The intermediate portion 36 of the mop passes between the portion 27 of the wire frame 26, and the wall 45. The tongue 46 is disposed directly above said intermediate portion 36 of the mop. When the spring and wire frame are in a position of Fig. 1, said spring serves to assemble the mop with the member 42.

The second adaptor member 51 is made of an elongated strip of metal, and has a vertical portion 53, contacting the inner central surface of the wall 48, and is formed with a longitudinal slot 54. Extending forwardly from the portion

53 is a horizontal portion 56 terminating in a downwardly and inwardly curved ledge or hook 59 disposed in opposed relation to ledge 49. The member 51 may be assembled with the member 42 by means of a bolt 60 passing through slot 54 and opening 50. The position of the member 51 may be adjusted by reason of the slot 54. The hooks or ledges 59 and 49 serve to grip the scrubbing brush 41 therebetween.

If it is desired to use the scrubbing brush alone with the handle, the mop 35 may be withdrawn, and the frame 26 will then serve to clamp the adaptor directly to the T-shaped member 12.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved, and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiments above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawing is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A brush holder for attachment to a bail-type mop holder comprising a first flat sheet metal member having a horizontally extending portion and an apertured wall extending downwardly from the front edge of said horizontally extending portion and normal thereto, a short second wall portion extending upwardly from the rear edge of said horizontally extending portion, said second wall portion having a horizontal tongue extending rearwardly therefrom and a pair of spaced aligned horizontal end tongues extending forwardly of said second wall in vertical spaced relationship to said horizontally extending portion, a second elongated sheet metal member comprising a horizontal section and an apertured upwardly extending section at one end thereof and a downwardly extending flange at the other end thereof, means passing through the apertures in said first and second members and securing them in opposed cooperating relationship, said flange and said downwardly extending wall having means thereon adapted to support a brush back therebetween and said tongues adapted for attachment to said mop holder.

DAVID PAUL.