Dec. 29, 1931. M. POMFRET 1,838,448

BROOM, MOP, SQUEEGEE, AND THE LIKE

Filed Jan. 14, 1931

Fig. 1.

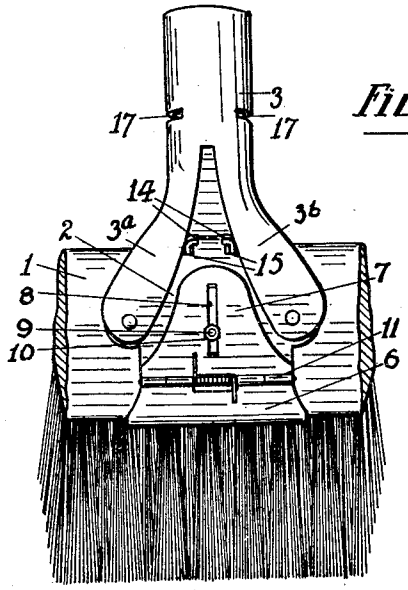


Fig 2

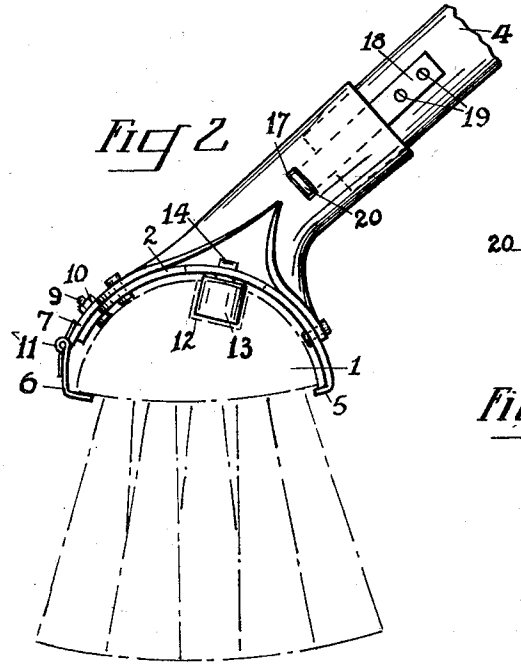


Fig 3

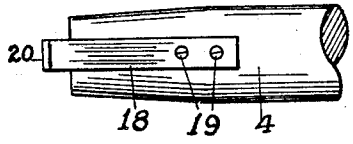
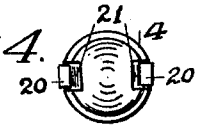


Fig. 4.



Inventor:-
Margaret Pomfret.

By Chatwin & Company. Attys

Patented Dec. 29, 1931

1,838,448

UNITED STATES PATENT OFFICE

MARGARET POMFRET, OF MORECAMBE, ENGLAND

BROOM, MOP, SQUEEGEE, AND THE LIKE

Application filed January 14, 1931, Serial No. 508,675, and in Great Britain January 23, 1930.

The invention relates to brooms, mops, squeegees and the like and has for its object to provide means for fixing such an object upon its handle in such manner that the same may be readily detached from the handle such means being adapted to hold a broom or the like of any size without fear of accidental detachment.

It has heretofore been proposed to provide a saddle adapted to span the head of a broom or the like said saddle clipping under the edges of said head and having a socket for the reception of the handle or stick and said saddle was constructed of two parts sliding one upon the other and adapted to be secured to one another by a stud to render the device adjustable. Also instead of said slidable parts it has been proposed to hinge one part of the saddle to the other part.

Moreover, it has also been proposed to employ two strips connected by a saddle carrying a socket to receive the end of the handle said strips being adapted to spring over the edges of the head and secure the device and the handle carried thereby, to the head.

The present invention comprises a saddle or like member adapted to span the head or stock of a broom, mop, squeegee or the like having means adapted to clip or take under the edges of the head or stock and said saddle or member carries a socket having lateral perforations in which lateral spring projections upon the handle are adapted to engage whilst a stud is provided upon the saddle or member adapted to fit the usual handle recess or hole in the stock or head said stud being laterally adjustable or not as desired.

The stud above referred to has for its object to ensure the guidance of the saddle or like member into correct position with relation to the head or stock whilst means may also be provided for adjusting the width of the saddle or member whilst one of the clips thereof may be provided with a hinge.

In order that my said invention may be clearly understood I will now describe the same as applied to a brush head or stock and with reference to the accompanying drawings in which:—

Figure 1 is a front elevation of part of an ordinary broom stock or head illustrating the application of the present invention. Fig. 2 is a side elevation thereof. Fig. 3 is a side elevation of the side of the handle showing the spring studs and Fig. 4 is an underside view thereof.

Referring to the drawings 1 represents the broom head or stock, 2 represents the saddle, 3 represents the socket thereof and 4 represents the handle.

The saddle 2 has fixed thereto or formed integral therewith a socket 3 and said saddle at its ends is turned up or provided with clips 5, 6 as shown in the Fig. 2 which take under the edges of the broom stock or head 1 thereby clamping the saddle 2 thereon.

If desired the saddle 2 may be constructed of springy metal or material so as to spring into place but as shown means are provided whereby the clip 6 is adjustable according to the size of the brush stock or like head.

For this purpose the clip 6 is carried by a plate 7 provided with slot 8 and the saddle is provided with a threaded stud 9 which projects through the slot 8 and a nut 10 is provided which screws upon the end of the stud 9 the arrangement being such that when the clip 6 has been adjusted to the stock said nut 10 is tightened up thus fixing the clip 6 in the position to which it has been adjusted.

As shown the clip 6 is hinged at 11 to the plate 7 in order that it may accommodate itself more efficiently to the underside of the stock but it will be understood that the hinge 11 may be dispensed with if desired.

A broom or brush stock or like head is usually provided with a recess 12 to receive the handle and in order to guide the saddle 2 into correct position when placing the same upon the broom head a stud 13 is provided which is carried by the underside of the saddle and said stud may be fixed thereto or it may be adjustable as shown in which case it may be provided with tabs 14 or the like which may pass through slots 15 in the saddle or member and secured by bending over.

By reason of the adjustable clip 6 and the adjustable stud 13 the angle of the handle 4 may be altered within certain limits.

In order to retain the end of the handle

within the socket 3 when inserted therein said socket is provided with lateral slots 17 and the end of the handle is provided with springy or resilient studs or projections as for example those shown in Figs. 3 and 4 wherein said resilient studs or projections consist of strips 18 of springy or resilient metal fixed upon the handle 4 longitudinally thereof by means of screws 19 or otherwise and bent at right angles at their ends to form studs or projections 20 and in order to allow the studs 20 to be retracted when the handle is being placed in position longitudinal recesses 21 are provided in the handle 4 adapted to receive the strips or plates 18 during that operation.

In operation the saddle or like member is placed upon the stock 1 with the stud or projections 12 inserted in the usual recess therein and the clips 5 and 6 are adjusted over the edges of the stock or head and then the nut 10 is tightened when the saddle will be found to be firmly fixed upon the stock or head after or before which the handle 4 may be inserted in the socket 3 when the studs 20 will spring into the slots 17 thus ensuring that the handle 4 cannot work out of the socket 3.

If desired the saddle 2 may be of skeleton formation that is to say it may consist of a frame and said frame may be in the nature of a spring member so that the clips 5 and 6 spring into position upon the stock or head in which case the adjustable plate 7 with its slot 8 and the hing 11 may be dispensed with.

Or the saddle 2 or like member may be formed of wire of a springy nature such as spring steel bent into the desired shape so as to form virtually a spring clip adapted to embrace the stock of the brush or the like.

The socket 3 is forked at its lower end, as shown, and the legs 3*a*, 3*b* of said fork are riveted to the front part of the saddle 2 or they might be otherwise fixed thereto or formed integral therewith and the rear of the socket is provided with a lug or there might be more than one which is riveted or otherwise fixed to the rear part of the saddle 2 as shown but it will be understood that said socket may be otherwise fixed to the saddle or it might be formed as an integral part thereof.

It will be understood that the details of construction of the device may be modified without departing from the principle of the invention.

I claim:

1. A holder for the heads of brooms, mops, or squeegees, comprising a saddle engaging the rear edge of said head, a socket mounted on said saddle to receive the handle, a plate adjustably bolted to said saddle to provide means for adjusting the holder, said holder being adapted to different sizes of heads, a clip hinged to said plate, for engaging the front edge of said head, and a spring pressing said clip into engagement with said head to retain said head in position in the holder.

2. A holder as claimed in claim 1, comprising slots in said saddle, a stud, tabs on said stud engaging in said slots, to mount said stud adjustably on the under surface of said saddle, said stud engaging in the recess in the head, said stud preventing the lateral movement of the holder on said head.

3. A holder as claimed in claim 1 including slots in the handle socket, spring studs carried by the handle adapted to engage said slots in the engaging position of the handle in said handle socket.

MARGARET POMFRET.