Dec. 6, 1955 P. S. VOSBIKIAN ET AL 2,725,585

WRINGER TYPE MOPS HAVING A TWO-PART HANDLE SOCKET

Filed Dec. 21, 1953

Fig. 1.

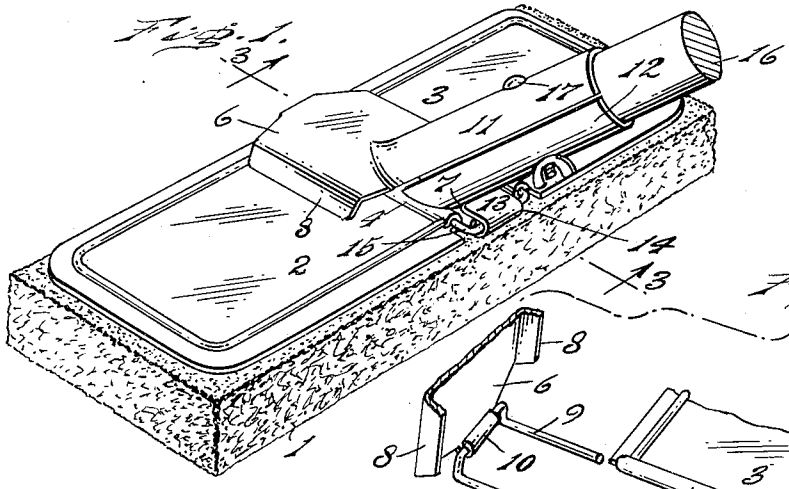


Fig. 2.

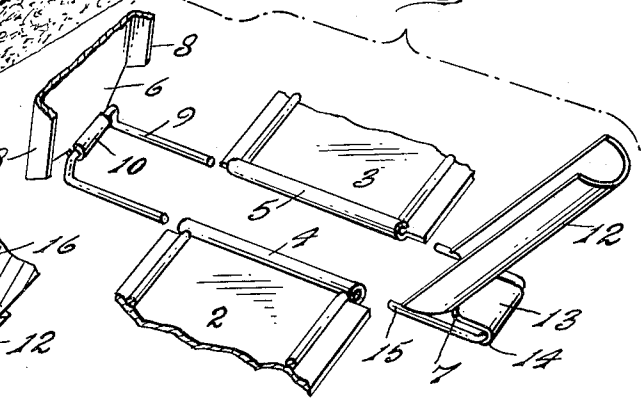


Fig. 3.

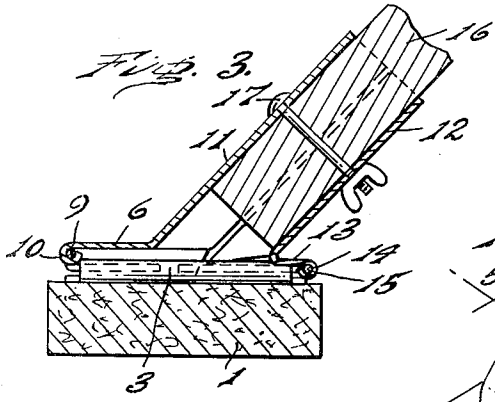


Fig. 4.

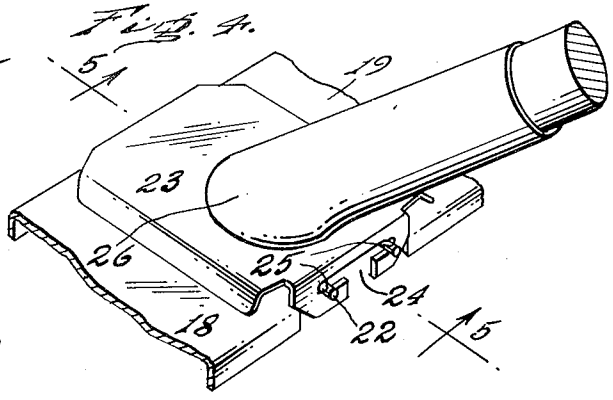


Fig. 5.

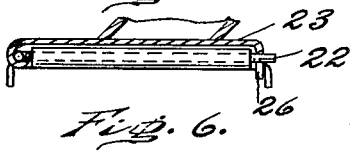
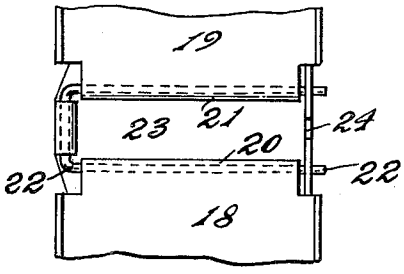


Fig. 6.



INVENTOR
Peter S. Vosbikian
Thomas S. Vosbikian
BY
Herbert S. Hairbanbs
ATTORNEY.

United States Patent Office 2,725,585 Patented Dec. 6, 1955

2,725,585

WRINGER TYPE MOPS HAVING A TWO-PART HANDLE SOCKET

Peter S. Vosbikian and Thomas S. Vosbikian, Melrose, Pa.

Application December 21, 1953, Serial No. 399,558

2 Claims. (Cl. 15—119)

The object of this invention is to devise a novel mop and handle bracket therefor which will materially reduce the cost of fabrication and assembly.

In the sale and distribution of mops of this general character, it has been found that, unless they are offered to the customer at or within a maximum sales price, a serious sales resistance is presented. It therefore becomes necessary to reduce the cost of fabrication and assembly, and to eliminate where possible some of the component parts.

A further object of the invention is to devise a novel sectional handle bracket, the sections of which are pivotally connected to the backing members of the material employed for cleaning purposes, and said sections when brought together forming a socket receiving handle.

A further object of the invention is to devise a novel bracket to which a handle can be connected in any desired manner, the bracket having novel pivotal connection with the pivot forming means and preferably maintaining the pivotal forming means in assembled condition.

With the foregoing and other objects in view, as will hereinafter clearly appear, our invention comprehends a novel mop and handle bracket therefor.

For the purpose of illustrating the invention, we have shown in the accompanying drawings preferred embodiments of it which we have found in practice to give satisfactory and reliable results. It is, however, to be understood that the various instrumentalities of which the invention consists can be variously arranged and organized, and the invention is not limited, except by the scope of the appended claims to the exact arrangement and organization of these instrumentalities as herein set forth.

Figure 1 is a perspective view of a mop and handle bracket therefor embodying our invention.

Figure 2 is an exploded view of component parts, partly broken away.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a broken away perspective view of another embodiment of our invention showing a different form of bracket and pivot forming means.

Figure 5 is a section on line 5—5 of Figure 4.

Figure 6 is a bottom plan view of the bracket, backing members and pivot forming means shown in Figures 4 and 5.

Similar numerals of reference indicate corresponding parts.

Referring to the drawings:

The work engaging portion of the mop consists of a block 1 of material for contact with the surface to be treated, and as shown consists of absorbent sponge material, such as for example cellulose sponge.

The top face of the block has secured to it in any desired manner two backing members 2 and 3 of metal, plastic or other desired material, and such members have their inner ends juxtaposed to each other in spaced relationship. The inner end of the member 2 is deflected upon itself to form a sleeve 4, and in a similar manner

the inner end of the member 3 is deflected upon itself to form a sleeve 5.

A handle bracket or socket is formed in upper and lower sections 6 and 7, respectively, which receive the handle and secure the pivot in assembled condition when the parts are assembled as will now be explained.

The bracket section 6 overhangs the backing members 2 and 3 and has at opposite sides downwardly deflected flanges 8 which contact such members to limit their upward pivotal movement of the block of absorbent material, the backing members and their absorbent material being free to flex downwardly for the purpose of extracting the fluid from the absorbent material. The bracket section 6 extends transversely over the backing members and at its outer side it is deflected around a U-shaped pivot pin 9 as at 10. The bracket 6 has formed integrally with it an angularly disposed, half round handle socket section 11.

The other handle bracket section 7 has a half round, angularly disposed socket forming member 12 integral with a flat strip 13 which terminates in a portion 14 deflected around a U-shaped pivot pin 15.

A handle 16 of any desired form and material is secured in a socket formed by the socket portions 11 and 12, a fastening device 17 passing through the socket portions and the handle to secure the component parts of the mop in their assembled condition. The lower end of the socket portion 12 contacts the sleeves 4 and 5 when the parts are assembled.

The method of assembly will be clear from Figure 2, the prongs of the pivot pins being slidable into the sleeves 4 and 5 of the backing members. The handle socket portions are brought together, the handle inserted and the fastening device applied to thereby maintain the assembly of the backing members, pivots, handle sockets and handle.

In Figures 4, 5 and 6 we have shown another embodiment of our invention, wherein a handle can be connected in any desired manner to a bracket, the bracket being of novel construction to receive a single pivot for pivotally connecting the bracket with the backing members.

The inner juxtaposed ends of the backing members 18 and 19 which carry the sponge material are deflected to form sleeves 20 and 21 to receive prongs of a U-shaped pivot pin 22 and a bracket 23 has a marginal flange deflected around the pivot pin 22. A marginal flange at the opposite side of the bracket has an entrance slot 24 and bayonet type slots 25 to receive the free ends of the pivot pin. A handle socket 26 is secured to the bracket by welding, brazing or a suitable fastening device.

The absorbent material and its backing members can be removed and replaced by unskilled labor by removing the fastening device, the handle and movement of the bracket sections in Figures 1, 2 and 3; and in Figures 4, 5 and 6 the pivot pin can be removed or replaced for disconnection of the bracket with the backing members and the replacement of the sponge material.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A mop, comprising a block of absorbent material, backing members secured to the top face of the block and having their inner ends in spaced relationship, a handle socket having an upper and a lower section, the upper section having depending side flanges overlying and adjacent the backing members to limit upward movement of the said backing members, the inner ends of the backing members having pintle receiving sleeves, U-shaped pintles inserted into opposite ends of the sleeves, said handle socket sections having portions deflected around said pintles to carry them, and means to secure the handle socket sections together and thereby retain the pintles in their sleeves.

2. The construction defined in claim 1, wherein the bottom of the lower handle socket section rests on said sleeves.

References Cited in the file of this patent

UNITED STATES PATENTS

2,637,059 Vosbikian et al. ---------- May 5, 1953
2,643,407 Vosbikian et al. ---------- June 30, 1953
2,670,488 Richards et al. ---------- Mar. 2, 1954

FOREIGN PATENTS

485,587 Canada ---------- Aug. 12, 1952
1,050,747 France ---------- Sept. 2, 1953