

Sept. 10, 1940.

W. G. BAILEY

2,214,519

MOP HEAD

Filed Dec. 8, 1938

Fig. 1.

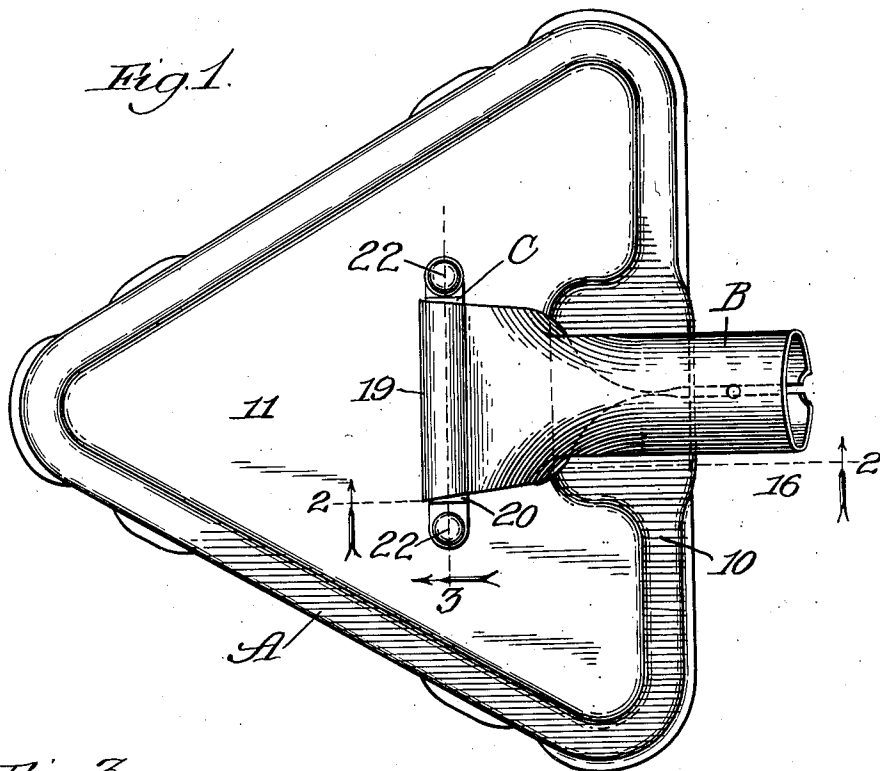


Fig. 3.

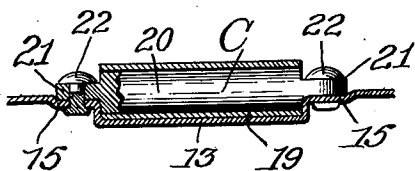
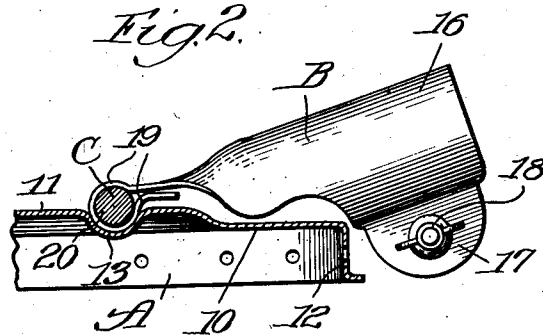


Fig. 2.



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UNITED STATES PATENT OFFICE

2,214,519

MOP HEAD

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Application December 8, 1938, Serial No. 244,707

1 Claim. (Cl. 306—19)

This invention relates to a mop head. It is particularly useful for supporting dust mop strands.

In mop heads of the rigid or metal type adapted to support yarn strands, it has been common to form depressions or openings in the head to permit the handle to swing to a lower position. Such changes, however, have weakened the head structure and after use there is a tendency for the head structure to tear about the point of attachment, particularly where the pin which holds the handle socket is supported below the top of the mop head and through slits formed in the top thereof.

An object of the present invention is to provide a mop head provided with a rigid metal center equipped with novel means for attaching the handle socket to the center whereby the handle socket may swing to a low position, the cuts and openings of prior structures being eliminated. A further object is to provide a mop head wherein the rigid center is equipped with means for supporting the end of the mop socket at a point substantially above the main body of the center. A further object is to provide simple and effective means whereby a handle socket may be quickly assembled with a mop center, the connecting structure being such as to elevate the end of the mop socket and permit the rear portion thereof to swing to a low position. Other specific objects and advantages will appear as the specification proceeds.

The invention is illustrated, in a preferred embodiment, by the accompanying drawing, in which—

Figure 1 is a plan view of a mop head embodying my invention; Fig. 2, a detail sectional view, the section being taken as indicated at line 2 of Fig. 1; and Fig. 3, a transverse sectional view, the section being taken as indicated at line 3 of Fig. 1.

In the illustration given, A designates the center body of the mop head; B, the handle socket; and C, the pin connecting the socket to the center.

The center A comprises a metal body having a top portion 10 which is raised centrally at 11. The body has downwardly extending side flanges 12 which are provided with suitable openings by which yarn is attached to the head.

In the central portion of the raised body 11 of the center top is a longitudinal depression 13 shaped to fit the pin C. At each end of the depression 13 is a shallow recess 15.

The socket B may be of any suitable construction. In the illustration given, it is provided with a rear clamping portion 16 having depend-

ing wing sections 17 adapted to be brought together by the clamping screw 18. By this means, the handle is held securely within the socket. The forward end of the socket curves about the pin C, thus providing a pin holding loop 19.

The pin C is provided with a main cylindrical portion 20 received within the depression 13. The ends of the pin are, however, cut away to provide flat anchoring bars 21 which fit within the shallow recesses 15. Rivets 22 extend through aligned openings in the flat ears 21 and the portions 15.

In assembling the device, the pin C is placed within the loop 19 of the handle socket B and the ears 21 of the pin are brought into position within the depressions 15. The rivets 22 are then secured in position. Thus the assembly operation is accomplished in an extremely simple and effective way. It will be noted that the loop end 19 of the socket is supported well above the main body portion 10 of the mop center. Thus it is not necessary for the socket 16 to swing to a position where a portion of the mop center has to be cut away. With the center left uncut, the rear portion of the socket can swing to a low position so that the mop can be readily moved under low pieces of furniture. At the same time, a socket having ample reinforcing bends may be employed and accommodated.

The handle can be placed in position in the usual way by releasing the clamping member 18 and then tightening it after the handle has been placed within the socket walls 16.

The foregoing description has been given for clearness of understanding only, and no unnecessary limitations should be understood therefrom.

I claim:

A mop head of the character set forth comprising a rigid center body adapted to support mop strands, said body being provided with a central raised portion and a depressed peripheral portion, the central raised portion being solid and integral and being provided centrally with a pin receiving depression and with shallow end depressions adjacent the ends of the pin receiving depression, a pin within said depression having extending ears received within said shallow depressions, means securing said ears to the shallow depression portions of said body, and a handle socket having a loop portion receiving said pin and having a rear end adapted to receive a mop handle, said rear end being movable vertically above the depressed portion of said body.

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