Oct. 26, 1926. 1,604,343

H. S. GREENWOOD

MOP

Filed May 22, 1924

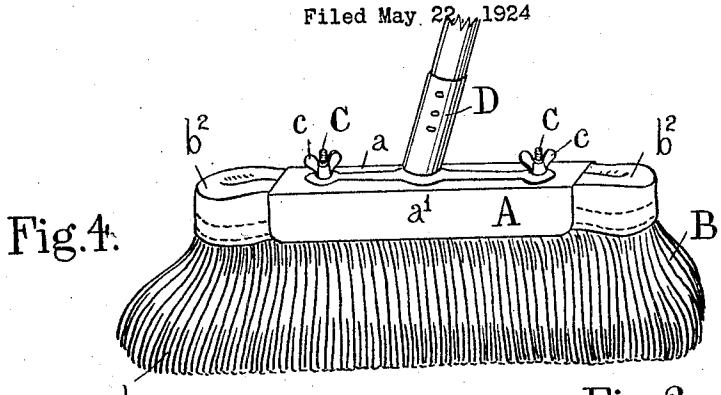


Fig.4.

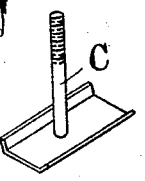


Fig.3.

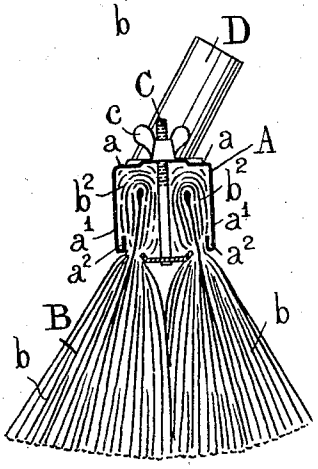


Fig.5.

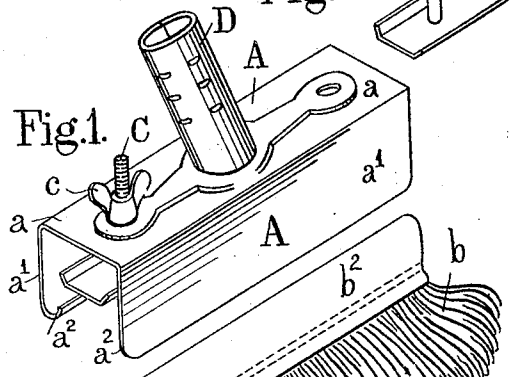


Fig.1.

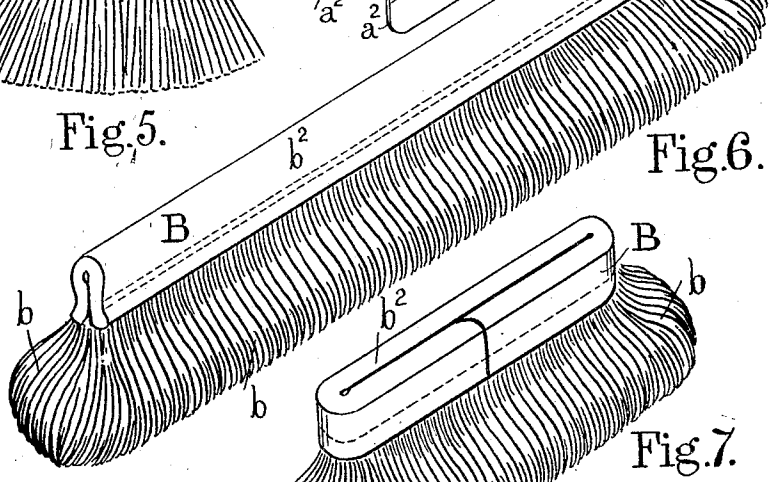


Fig.6.

Fig.7.

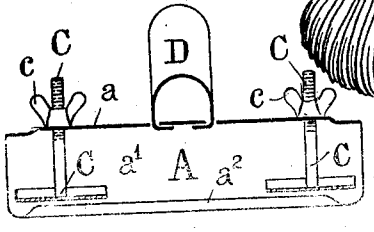


Fig.2.

INVENTOR

H. S. Greenwood

by J. Owen O'Brien

Atty

Patented Oct. 26, 1926. 1,604,343

UNITED STATES PATENT OFFICE.

HARRY SANDIFORD GREENWOOD, OF BURNLEY, ENGLAND, ASSIGNOR TO JAMES BARON & SONS LIMITED, OF BURNLEY, ENGLAND.

MOP.

Application filed May 22, 1924, Serial No. 715,228, and in Great Britain November 10, 1923.

This invention relates to mops of the type in which a mop head of loosely assembled threads attached to a retaining band or a polishing pad is affixed to a holder.

In this type of mop the holder has been made of metal of such a shape that the mop head is affixed around the periphery by stretching it and securing the ends or by hooks or other clips engaging holes in the head.

According to this invention the mop holder is made of trough shape between the two sides of which the mop head is gripped means being provided to clamp the mop head in position.

The invention will be fully described with reference to the accompanying drawings.

Fig. 1 is a perspective view of holder A for mop head B.

Fig. 2 is a longitudinal section of holder A for mop head B.

Fig. 3 is a perspective view of bolt or clamp C for retaining mop head in position.

Fig. 4 is a perspective view of the completed mop.

Fig. 5 is a transverse section of mop through the retaining bolt or clamp C.

Fig. 6 is a perspective view of the mop head B extended.

Fig. 7 is a perspective view of the mop head B folded for insertion in the holder A.

The holder A is of channeled or trough shape preferably formed with a flat top a and two downwardly extending sides a' terminating in inturned edges forming flanges a^2 parallel or approximately parallel with the top a.

The holder A is preferably stamped from sheet metal, iron or steel as shown though it may be made of cast metal such as iron, though at present stamping is preferred and it may be straight as shown in Figs. 1, 2 and 4.

The holder A is fitted with clamping plates C to hold a mop head B in position.

The length of the individual fabric strands or threads forming the mop head B is such that these individual fabric strands or threads are of insufficient length for insertion independently in a mop holder and are usually sold as spinner's waste.

The head B as shown in Figs. 6 and 7 is constructed of a multiplicity of transversely arranged fabric strands or threads b attached to a retaining band b^2 by stitching or otherwise and is made in any desired length and it may have a rope or cord or the like stitched into the retaining band b^2 to make it wider or thicker along the top edge.

For insertion into the holder A the mop head B is folded transversely upon itself as shown in Fig. 7 to make it double so that the loose depending fabric strands or threads will spread out at both sides of the holder and may extend beyond it at both ends. The head B is slid into the holder from one end and the clamping plates C tightened thereon, a bolt being affixed to each clamping plate and extending between the folds of the retaining band b^2 and through the body of the holder A to retain the mop head B in position therein. A handle-receiving socket D is connected to the holder A.

What I claim as my invention and desire to protect by Letters Patent is:—

A mop comprising a channeled holder formed of a body having downwardly extending side members terminating in inturned flanged edges. a mop head secured therein, said mop head comprising a retaining band within which a multiplicity of transversely arranged fabric strands are attached by stitching, said band being folded transversely upon itself, clamping plates arranged between the folds of the retaining band. a bolt affixed to each clamping plate and extending between the folds of the retaining band and through the body of the holder to retain the mop head in position therein, and a handle-receiving socket connected to the holder.

In testimony whereof I have hereunto set my hand this 9th day of May 1924.

HARRY SANDIFORD GREENWOOD.