

(No Model.)

A. D. GRANGER.
MOP OR BRUSH HOLDER.

No. 519,329.

Patented May 8, 1894.

FIG. 1.

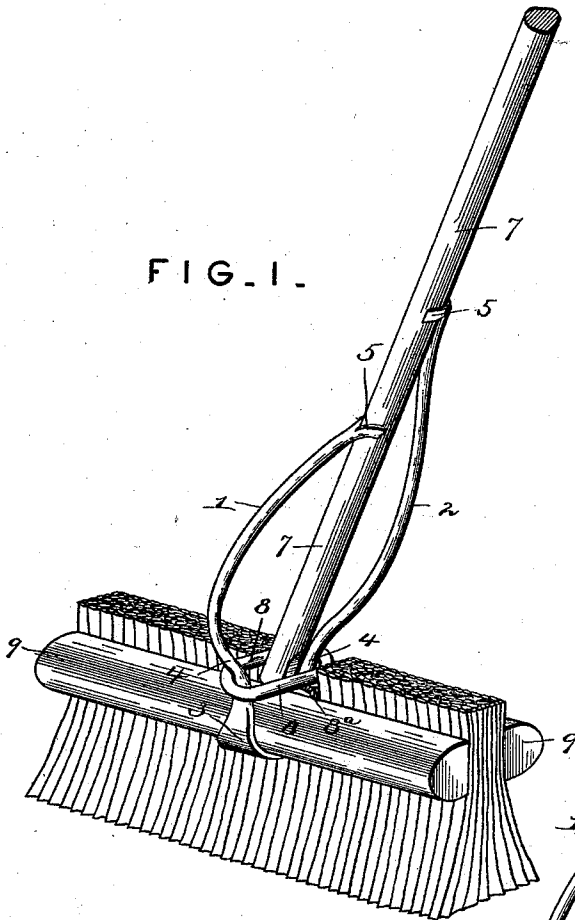


FIG. 2.

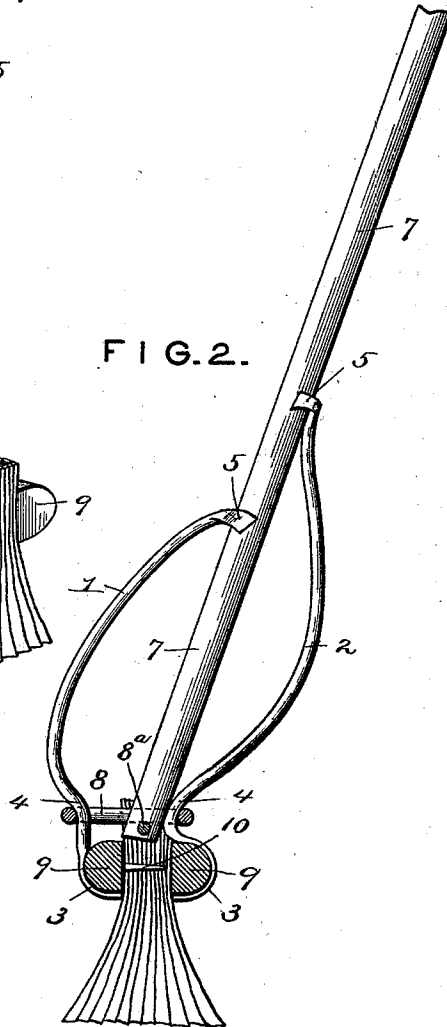
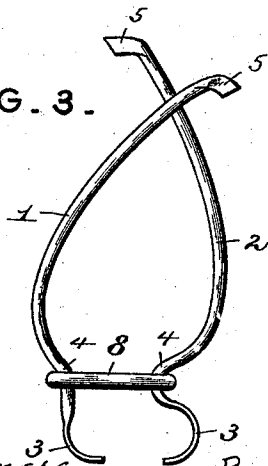


FIG. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFORD D. GRANGER, OF MOLENA, GEORGIA.

MOP OR BRUSH HOLDER.

SPECIFICATION forming part of Letters Patent No. 519,329, dated May 8, 1894.

Application filed November 15, 1893. Serial No. 490,996. (No model.)

To all whom it may concern:

Be it known that I, ALFORD D. GRANGER, a citizen of the United States, residing at Molena, in the county of Pike and State of Georgia, have invented a new and useful Mop or Brush Holder, of which the following is a specification.

My invention relates to improvements in mop or brush-holders, the objects in view being to provide a new and improved holder of cheap and simple construction that may be attached exteriorly to an ordinary construction of mop, brush or similar implement to hold the head rigid with the handle, and to prevent the former from working loose from the latter by use; and when used as a mop-holder, it is capable of permitting a reversal of the latter so that unworn portions of the mop may be presented in working position.

With these and other objects in view the invention consists in certain features of construction hereinafter specified and particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a perspective view of a holder embodying my invention, the same being applied to a mop. Fig. 2 is a transverse vertical sectional-view through the mop-head. Fig. 3 is a detail in elevation of the lower portion of the holder previous to the application of the handle and mop-head.

Like numerals of reference indicate like parts in all the figures of the drawings.

In practicing my invention I employ a pair of curved spring-arms 1 and 2, the latter being more gradually curved than the former and therefore somewhat longer. These spring-arms 1 and 2 are provided at their lower ends with flattened gripping-plates 3, and above the same with bends 4 forming seats. At their upper extremities the arms are bifurcated as at 5, the branches of the bifurcation being curved so as to embrace the opposite sides of the cylindrical handle 7. An elongated link 8 is arranged over the arms in the seats formed by the bends 4, and it provides a fulcrum for the arm, whereby the gripping plates are caused to clamp the head of a mop.

In operation, in order to clamp a head, the clamping-plates are first introduced over the head previous to the insertion of the stick or handle 2, after which the arms are sprung

apart and the stick slid endwise between the arms and through the link, the stick acting as a wedge to spread the arms against the ends of the link and hence contract the lower ends or clamping-plates of the arms. A screw 8^a may be inserted in the lower end of the stick or handle below the link to prevent a withdrawal of the said handle, but such is not absolutely necessary to a successful gripping of the brush-head.

In the present instance I have shown my invention as applied to a mop-head, but it will be obvious that the same may be applied to any kind of a brush or other tool head. The mop-head comprises the opposite side-clamps 9, the same having spikes 10 upon their inner sides and embracing a body of shucks or a mop-cloth as may be desired.

It will be obvious that when one face of the mop becomes worn the head may be removed and reversed, thus bringing the other end of the shucks in operative position.

By my invention it will be seen that I provide a very secure means of connecting a handle to a head of any kind, the said connection being rigid in the extreme and incapable of working loose from use.

I do not limit my invention to the precise details of construction herein shown and described, but hold that I may vary the same to any degree and extent within the knowledge of the skilled mechanic.

Having described my invention, what I claim is—

1. An attachment or holder designed to be applied exteriorly to a mop or similar implement, and consisting of the opposite outwardly curved resilient arms terminating at their lower ends in gripping plates for engaging the opposite sides of a mop head and having their upper ends enlarged to receive a mop handle, whereby the arms are spread to cause the gripping plates to clamp the mop head, and means for connecting the arms above the gripping plates whereby the arms are fulcrumed, substantially as described.

2. An attachment or holder designed to be applied exteriorly to a mop or similar implement, and consisting of the opposite outwardly curved resilient arms terminating at their lower ends in gripping plates for clamping the head of a mop and provided above the

gripping plates with inward bends forming seats, the upper ends of said arms being shaped to receive and engage a mop handle, whereby the gripping plates are caused to
5 clamp the head of a mop, and a link adapted to encircle a mop handle and arranged in the seats formed by said bends, whereby the arms are connected and fulcrumed, substantially as described.

10 3. The combination with the mop-head, the opposite curved arms, one of which is longer than the other, both of said arms terminating at their lower ends in clamping-plates, above the same provided with bends and at their

upper extremities bifurcated and having their 15 branches curved and adapted to embrace the handle, the link arranged in the bends, the handle interposed between the arms and terminating below the link, and a stop in the lower end of the handle below the link, sub- 20 stantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ALFORD D. GRANGER.

Witnesses:

C. M. BLOUNT,

J. H. LAURENCE.