

W. E. ARRANT.
MOP ATTACHMENT.
APPLICATION FILED MAY 4, 1910.

973,612.

Patented Oct. 25, 1910.

Fig. 1.

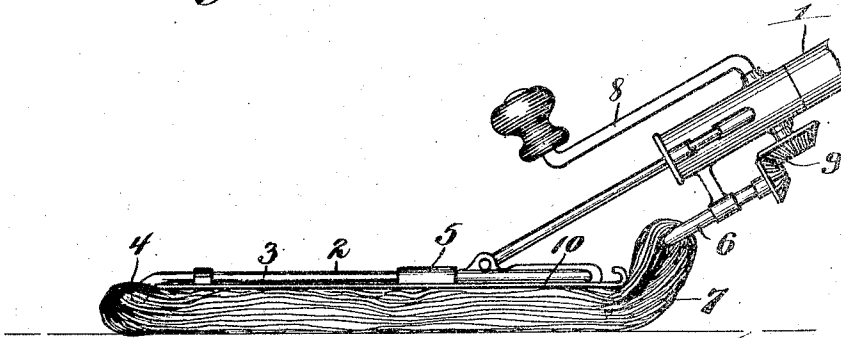


Fig. 2.

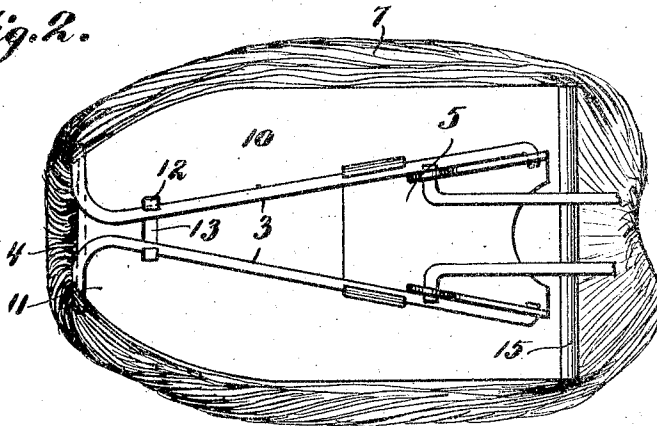
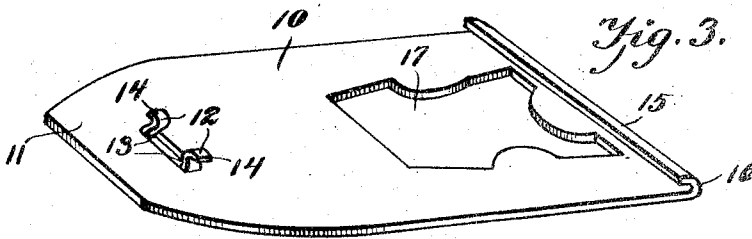


Fig. 3.



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UNITED STATES PATENT OFFICE.

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MOP ATTACHMENT.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM EDGAR ARRAnt, a citizen of the United States, residing at Tampa, county of Hillsboro, and State of Florida, have invented certain new and useful Improvements in Mop Attachments, of which the following is a specification.

My invention relates to attachments for mops and particularly to devices for spreading the cloth of the mop.

The object of my invention is to provide a simple and inexpensive attachment for a mop which will effectually spread the cloth portion thereof and maintain a broad mopping surface for engagement with the floor.

A further object of my invention is to provide a device of the class mentioned particularly adapted for use upon that class of mops which are provided with wringer attachments, as in mops of this class the cloth portion is usually drawn out until very narrow and the sides curled up so that only a small or narrow contact surface of the cloth is provided.

A further object of my invention is to provide a device as mentioned which may be readily and quickly secured in position upon a mop of the class mentioned.

A further object of my invention is to provide a mop attachment which shall be of low cost to manufacture, and which shall not readily get out of order.

Other objects will appear hereinafter.

In mops, particularly those provided with a wringer attachment, the head is usually formed of a wire frame terminating at the end in a loop in which the mop cloth is secured, and sometimes a small metal plate is provided for holding portions of the wire frame in position.

In carrying out my invention I provide a metal plate having one end reduced in width to fit within the cloth holding loop at the end of the mop head. The plate is adapted to be arranged between the mop head and the cloth to maintain the latter in spread condition and is provided with means for securing the plate to the head and if preferred may be recessed to receive portions of the head, particularly the small metal plate above mentioned when the mop is provided with the same.

As mop heads vary in size and construction, the attachment forming the subject of this application may be varied in

size and apertured as necessary to suit the particular mop upon which it is to be used, without departing from the spirit of my invention.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which—

Figure 1 is a side elevation of a mop of the class under consideration equipped with an attachment embodying my invention in its preferred form, Fig. 2 is a detail plan view of the same, and Fig. 3 is a perspective view of the attachment removed from the mop.

Referring now to the drawings 1 indicates the handle of a mop and 2 the head thereof, the latter consisting of a wire frame comprising the diverging arms 3, the end loop 4 and a small plate 5 rigidly connecting the ends of the arms 3 and affording means for connecting the handle to the head. Upon the handle is arranged the wringing attachment comprising a rotatably mounted loop 6 to receive one end of the mop cloth 7, the opposite end of which is secured in the loop 4, an operating crank 8 and suitable connection 9 between said crank and the loop 6. The portion of the mop above described is of well known form and I lay no claim to the same.

My invention comprises a broad elongated plate 10 adapted to be arranged between the head 2 of a mop and the cloth 7. One end of the plate 10 is reduced in width as at 11 to fit within the loop 4. I prefer to taper the end 11 as illustrated clearly in Figs. 2 and 3 in order that a better fit may be secured between the mop head loop 4 and the plate. Adjacent the end 11 of the plate spring tongues 12 are formed which are adapted to clasp upon the arms 3 to hold the plate in position on the mop head. These tongues are preferably struck up from the body of the plate and are curved inwardly to form recesses 13 to receive the arms 3 and then flared upwardly and outwardly as at 14 to facilitate inserting said arms between them. The opposite end of the plate 10 is preferably bent upwardly and then backwardly over the plate as at 15 forming a well rounded end 16 for the plate to prevent the same from cutting the cloth when the latter is being wrung. The plate may also be provided with an aperture 17 to receive a portion of the mop head. This is particu-

larly desirable when the device is used with a mop of the construction shown in the drawings having the plate 5, in which case the aperture 17 is made to receive the plate 5.

5 While I have illustrated my invention as applied to a mop of a particular construction it is to be understood that the same may be used upon mops of substantially any construction and that the sizes and proportions
10 may be varied to suit the various styles of mops without departing from the spirit of my invention.

The device is of simple construction, and may be manufactured at a very low cost.
15 Further it may be readily applied to the mop and will maintain the cloth 7 in position to give a wide beating surface whereby the work may be accomplished more quickly and more effectually than is possible with-
20 out the use of the attachment.

Having described my invention what I claim as new and desire to secure by Letters Patent is:

1. A mop attachment comprising a metal
25 plate adapted to be arranged between a mop head having a cloth holding loop and the cloth of the mop, and means for attaching said plate to the mop head, substantially as described.

0 2. A mop attachment comprising a metal plate adapted to be arranged between a mop head having a cloth holding loop and the cloth of the mop, one end of said plate be-

ing tapered to fit within the loop of the mop head, substantially as described. 35

3. A mop attachment comprising a metal plate adapted to be arranged between a mop head having a cloth holding loop and the cloth of the mop, one end of said plate being tapered to fit within the loop of the mop head, and spring tongues on said plate for
40 engaging portions of the mop head, substantially as described.

4. A mop attachment comprising a metal plate adapted to be arranged between a mop head having a cloth holding loop and the cloth of the mop, and means for securing
45 said plate to said head and said plate being apertured to receive portions of the mop head, substantially as described. 50

5. As an article of manufacture, a mop attachment comprising a flat metal plate adapted to be arranged between a mop head and the cloth of the mop, said plate being tapered at one end, spring tongues extend-
55 ing upwardly from one face of said plate and the end opposite said tapered end being bent upwardly to form a well rounded edge, substantially as described.

In testimony whereof I have signed my
60 name to this specification in the presence of two subscribing witnesses.

WILLIAM EDGAR ARRANT.

Witnesses:

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