

(No Model.)

C. W. MANSFIELD.
BROOM.

No. 463,448.

Patented Nov. 17, 1891.

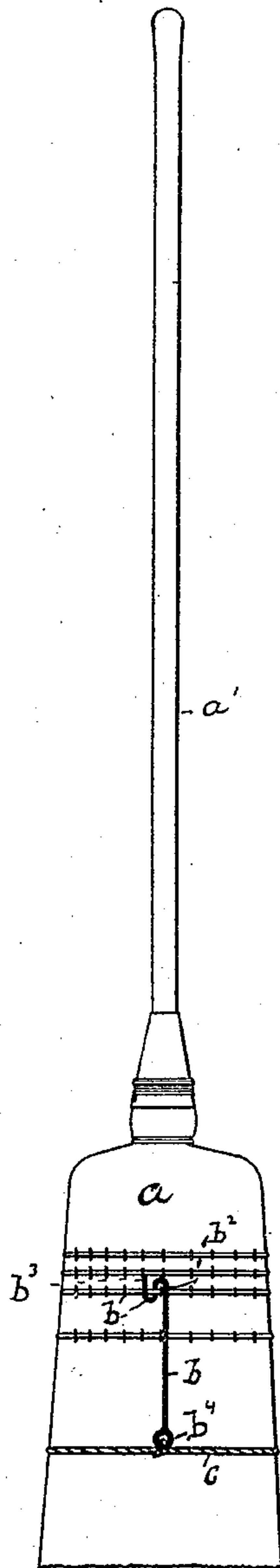


Fig. 1.



Fig. 2.

WITNESSES.

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UNITED STATES PATENT OFFICE.

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BROOM.

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To all whom it may concern:

Be it known that I, CHARLES W. MANSFIELD, a citizen of the United States, residing at Homestead, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Brooms; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is an attachment to an ordinary brush-broom to prevent the spreading of the same when using.

In the accompanying drawings, Figure 1 shows the full length and side view of a broom having my attachment, and Fig. 2 is a view of my device for fastening the loose ends of the string used as a band.

a represents the brush end of the broom.

b is a wire rod, at one end of which is an eye *b*⁴ for the cord-fastening, and at the other end is a device for a fastening to the twine sewing of the broom. This is seen in Fig. 1 at *b*² and *b*³, and it consists of a bend in the wire, first a bend parallel with the rod *b*, forming a hook, then a second bend at right angles with the first, forming another hook. The end of the second hook should be made to reach above the turn of the first one, so that, when placed on the twine sewing, as seen in Fig. 1, any ordinary movement of the rod *b* upward the fastening would remain in place and would not come off or out of place, the extension end of the hook *b*⁴ preventing.

Fig. 2 shows my fastening device, wherein

C represents a metallic fastener, wherein *c*³ is a hole for fastening one end of the cord or rope *c*, while the larger opening therein is for fastening the other end. This larger opening *c*² terminates in an acute angle, so that the cord when drawn therein will be tightly held and the tension of the cord maintained between the sides of said acute angle. Thus the cord *c* of my device can be quickly tightened or loosened, and no time will be lost in tying or untying knots.

Such a device as the one above described fixed to a broom I know by actual experiment will greatly prolong the life of a broom on which it is used.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An attachment for brooms, consisting of a single rod or bar provided near one end with bends or hooks arranged at right angles to each other, and a bridle connected to the other end of said rod or bar, substantially as shown and described.

2. The combination, with a broom-bridle, of a rod provided with a double bend *b*¹ *b*² at its upper end, the distance from the bend *b*¹ to the bend *b*² being less than the distance from the bend *b*¹ to the end of the rod, whereby the play allowed to the rod is not sufficient to permit it to become detached from the binding of the broom while in use, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. W. MANSFIELD.

Witnesses:

JOHN H. CRATTY,
C. P. WALKER.