

M. C. ADAMS.
BROOM BRIDLE.
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1,060,877.

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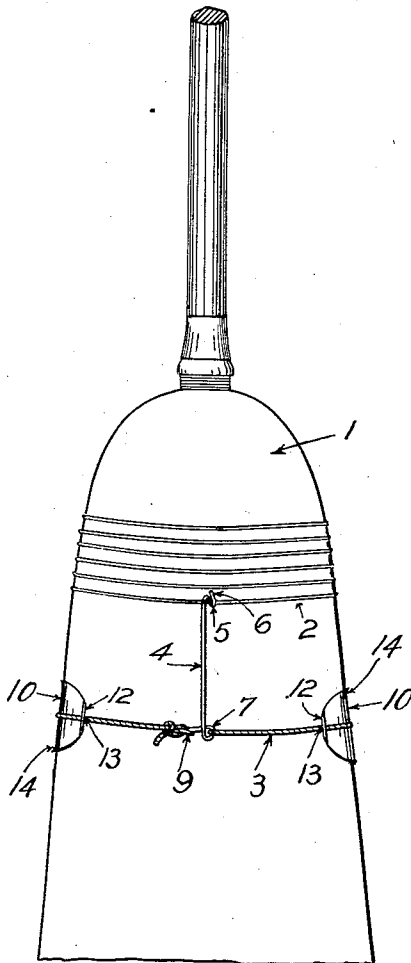


Fig. 1.

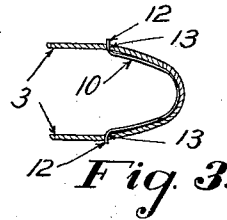


Fig. 3.

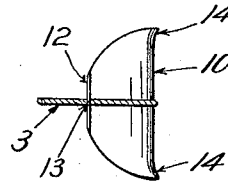


Fig. 4.

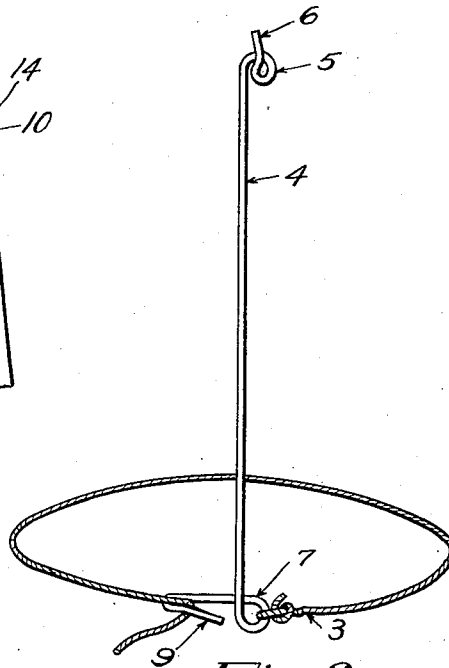


Fig. 2.

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BROOM-BRIDLE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MARCELLIN C. ADAMS, a resident of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Broom-Bridles, of which the following is a specification.

This invention relates to bridles for brooms and the like.

The object is to provide a bridle of very simple and cheap construction which can be readily applied to a broom, and adjusted as desired, and which can also be readily removed.

The invention comprises the construction and arrangement of parts hereinafter described and claimed.

In the accompanying drawing Figure 1 shows in side view the brush part of a broom with my bridle applied thereto; Fig. 2 is a detached perspective view of the bridle; and Fig. 3 is a plan view and Fig. 4 a side elevation of the shield or protector at the edge of the broom.

In the drawing 1 represents the brush end of a broom or the like, provided with the usual row or rows of twine or similar stitching 2 to hold the straws together. The bridle band 3 is shown as an ordinary heavy cord or twine, but may be a tape or other flexible band of any kind. The attaching means for the bridle band consists of a single integral member, shown as a small rod or wire 4 which at its upper end is formed into an open loop or coil 5 with the free end 6 of the wire projecting thereabove, so that said loop can be readily secured to the twine stitching of the broom by drawing the loop or coil 5 downwardly while pressing the same into the broom between the straws and above one of the lines of stitching, and then while still drawing on said wire slightly turning the same so as to bring the free end 6 entirely below and underneath the line of stitching so that when the wire is straightened up the stitching is brought into the loop or eye 5. This attachment can be very quickly effected, and securely holds the wire 4 against accidental falling off, and can as readily be disengaged. At its lower end said wire is bent laterally to one side and then to the other to cross itself, the crossing portion of the wire lying in fairly close juxtaposition to the main portion thereof, thereby forming a closed loop or eye 7 to which one end of

the band 3 is tied. The crossing portion of the wire extends transversely to the main portion and, in use of the bridle, lies between the main portion of the wire and the side face of the broom and is bent back upon itself to form a hook 9, which has a narrow converging or V-shaped throat or notch into which the free end of the band 3 can be drawn tightly. The loop or eye 7, the main portion of the wire and the laterally extending crossing portion thereof all lie in substantially the same plane, and when applied to the broom the bridle lies flat against and very close to the side face of the broom.

To adjust the bridle band it is merely necessary to loosen the end of the cord or twine in the hook 9 and either slacken the same or draw more tightly as desired or necessary, and then again draw the free end into the hook 9 where it will be automatically retained. As a consequence, the adjustment can be very quickly and easily effected.

In order to prevent a small cord or twine when used as the bridle band from cutting into the straws at the edge of the broom and causing the same to break when in use I prefer to provide for the edges of the broom, protectors or shields 10 preferably consisting of small plates of light metal bent into substantially U-shape with the edges slightly flaring out, as at 12, and provided with holes 13 through which the cord 3 passes. The lower edges of these shields are preferably curved slightly outwardly, as at 14, to prevent the broom straws from taking a sharp bend at the lower edge of the shield. These shields obviously protect the straws at the edge of the broom from injury on account of a tightly adjusted thin bridle band.

What I claim is:

1. A bridle attachment for brooms comprising a single integral metal member arranged for vertical disposition against a side face of the broom, said member being provided at its upper end with an open loop or hook for engaging the broom stitching and at its lower end being bent laterally to one side and then to the other to cross itself and thereby form a loop for the attachment of one end of the bridle band, the crossing portion of the member lying close to the main portion and, in use of the bridle, between said main portion and the side face of the broom, said crossing portion being

bent back upon itself to form an integral hook having a V-shaped throat for the adjustment and securement of the free end of the bridle band.

- 5 2. A bridle for brooms comprising a flexible band, means for holding the same against displacement on the broom brush, and shields comprising a pair of plain U-shaped sheet metal members arranged to
10 embrace the edges of the broom, said mem-

bers having their edges turned slightly outwardly, and said outwardly turned edges being provided with openings therethrough for the passage of said band.

In testimony whereof, I have hereunto set my hand.

MARCELLIN C. ADAMS.

Witnesses:

JAS. L. WELDON,

MARY E. CAHOON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
