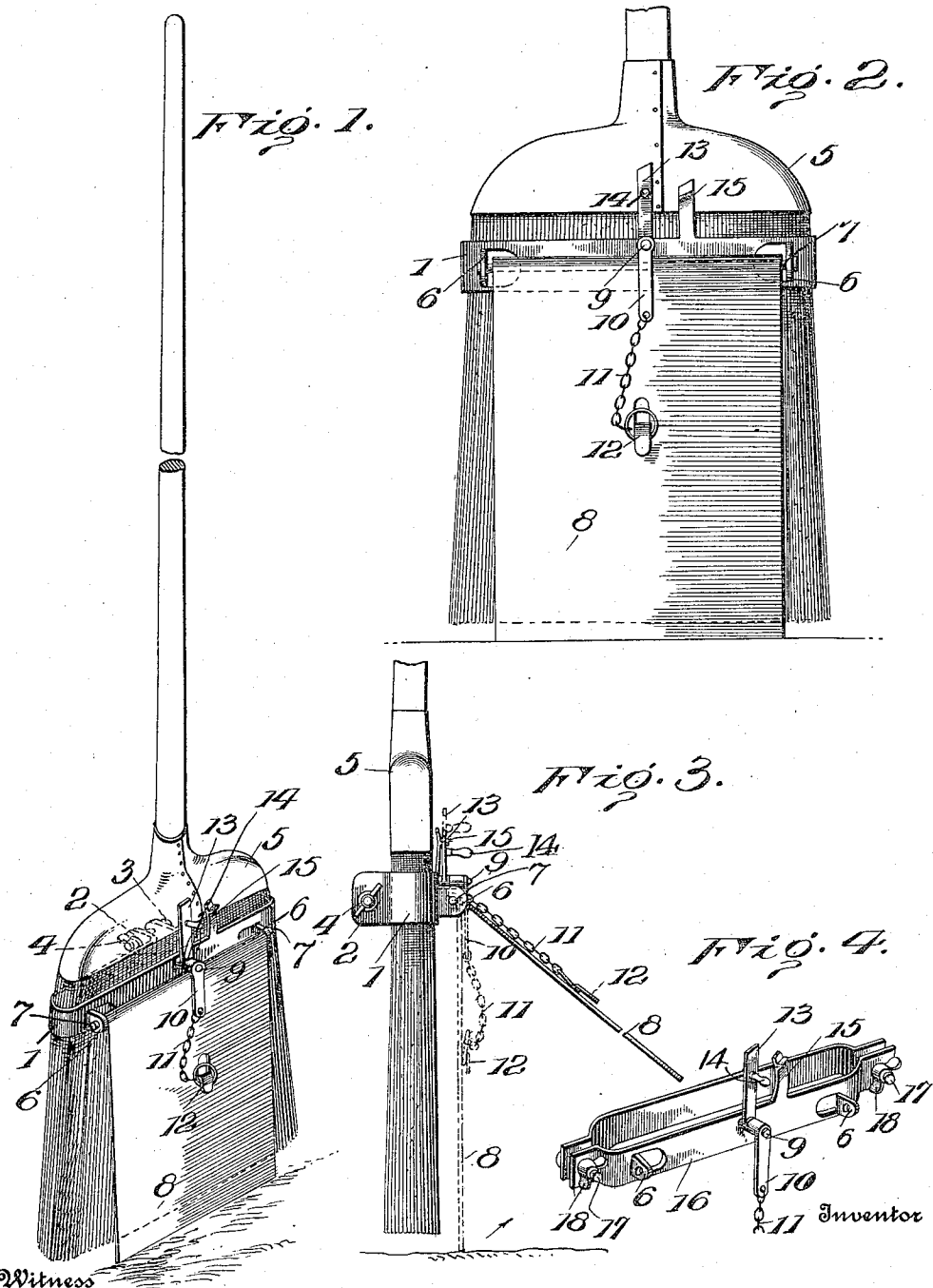


H. E. QUIGG.
BROOM ATTACHMENT.
APPLICATION FILED JULY 3, 1915.

1,175,809.

Patented Mar. 14, 1916.



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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HARRY EDWARD QUIGG, a citizen of the United States, residing at Daytona, in the county of Volusia and State of Florida, have invented certain new and useful Improvements in Broom Attachments, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to certain new and useful improvements in broom attachments, the object being to provide an attachment which can be readily applied to the ordinary form of broom whereby the same can be 15 supported when not in use so as to prevent the broom from getting out of shape by the weight of the same pressing upon the straws, said attachment also serving the purpose of a dust guard when the broom is 20 in use.

Another object of the invention is to provide an attachment which is clamped around the head of the broom, having a pivoted plate with means for holding the plate in 25 lowered or raised position.

Another object of my invention is to provide a broom attachment in which the pivoted plate forming the support can be swung upwardly in a plane above the ends of the 30 straws of the head so that the broom can be used in the ordinary manner, and when in this position, said plate forms a dust guard.

Other and further objects and advantages of the invention will be hereinafter 35 set forth and the novel features thereof defined by the appended claims.

In the drawing: Figure 1 is a perspective view of my improved attachment showing the application of the same to a broom in 40 position to support the same above the floor. Fig. 2 is an elevation of the same. Fig. 3 is an edge view of the broom and attachment showing the support raised to form a guard when the broom is in use. Fig. 4 is a per- 45 spective view of a slightly modified form of attaching means showing a sectional band having means at each end for clamping the same over the head of the broom.

Like numerals of reference refer to like 50 parts in the several figures of the drawings.

In carrying out my improved invention

I provide a band 1 formed of sheet metal which is bent into a substantially oval shape, having outwardly projecting apertured ears 2 through which is adapted to pass a bolt 3, 55 having a thumb nut 4 for clamping said band around the head of the broom 5. It will be seen by this construction that the band can be placed on various sizes of brooms and securely fastened in position 60 about the head thereof as clearly shown in Figs. 1, 2 and 3.

The band 1 is provided with spaced outwardly projecting ears 6 which are struck up from the band by forming substantially 65 U-shaped slits therein, the ears being provided with apertures in which are pivotally mounted the pintle ends 7 of a substantially oblong shaped plate 8 which forms the supporting guard as will be hereinafter later 70 described. The pintles 7 of the plate 8 can be formed by providing the plate with outwardly projecting portions which are bent into circular form. In Figs. 1, 2 and 3 the upper edge of the plate is bent around a 75 rod, the ends of which form the pintle 7 which is the preferred form as shown in the drawings.

In order to provide means for holding the plate in vertical position parallel with 80 the head of the broom I provide the band 1 with a stud pin 9 on which is mounted the crank arm 10 adapted to pass down alongside of the plate 1 so as to prevent the same from swinging outwardly and when in this 85 position, the lower edge of the plate will be in contact with the floor so as to support the broom above the surface of the floor as clearly shown in Figs. 1 and 2. As shown in these figures, the plate is in position so as 90 to support the broom when not in use in order to increase the life of the same. The band is adjusted on the head of the broom in the proper position so that the lower edge of the plate 8 will be in a plane below the 95 ends of the straws of the broom so that when in lowered position, the straws will not be in contact with the surface.

In order to provide means for raising the plate and holding the same in raised position 100 so that the broom can be used in the ordinary manner for sweeping, I provide

the crank arm 10 with a chain 11, the free end of which is connected to an eye 12 struck upwardly from the plate 8, as clearly shown in Figs. 1, 2 and 3 so that when the crank arm 10 is rocked upon the stud pin 9 the arm will be thrown out of the path of travel of the plate 8 and by the movement thereof through its connection with the plate, the plate will be raised into the position as shown in Fig. 3. The hub of the crank arm 9 is provided with a lever 13 having a handle 14 by means of which the crank arm can be rocked upon its pivot by swinging the lever 9 to the right into engagement with a spring latch 15 which is carried by the band 1 and extends upwardly therefrom as shown in Figs. 1, 2 and 3. As the lever 13 is brought into engagement with the latch, the same yields so as to allow the lever to pass over the same and prevents the same from turning back so that the plate is held in the position shown in full lines in Fig. 3. In this position the plate 8 forms a dust guard for the broom when in use so as to prevent the dust from raising and does not interfere with the using of the broom for sweeping.

In Fig. 4 I have shown a slightly modified form of band in which the band is formed of two straps 16 having apertured ears at their ends through which bolts 17 pass carrying wing nuts 18 for clamping the ends of the straps together over the head of the broom, the other construction of band being similar to that shown in the preferred form.

From the foregoing description it will be seen that I have provided a broom attachment comprising a plate pivotally mounted on a band carried by the head of the broom and provided with means for adjusting the position of the plate with respect to the broom so that the same can be used for supporting the broom or for forming a dust guard therefor.

What I claim is:

1. A broom attachment comprising a band adapted to be attached to the head of the broom, a pivoted guard plate carried by said band, and means for adjusting the position of said plate in respect to said head for supporting said broom above the ends of the straws thereof.

2. A broom attachment, comprising a fixed support, a movable mounted guard plate carried by said support having a free end portion capable of moving away from said broom into a plane above the ends of the straws thereof, and means for holding said plate with the free end in a plane below the straws thereof in a position to support said broom.

3. A broom attachment comprising a pivoted dust guard, means for attaching said

guard to a broom head, and means for adjusting the position of said dust guard in respect to said head for supporting said broom above the ends of the straws thereof.

4. A broom attachment comprising a band adapted to embrace the head of a broom having means for clamping the same thereon, a plate pivotally carried by said band, a crank arm having a connection with said plate, and a lever for rocking said crank arm.

5. A broom attachment, comprising a band adapted to be secured to the head of the broom, a plate pivotally carried by said band, means for holding said plate in vertical position parallel to the broom head, and means for swinging said plate outwardly and holding the same in raised position.

6. A broom attachment comprising a band adapted to embrace the head of a broom, ears formed on said band, a plate provided with pintles mounted in said ears, a crank arm carried by said band and extending parallel to said plate, connection between said crank arm and plate, a lever for rocking said crank arm and means for holding said lever in adjusted position.

7. A broom attachment comprising a band adapted to be secured to the head thereof, a plate movably carried by said band, a crank arm carried by said band, a flexible connection between said crank arm, and plate, and means for rocking said crank arm.

8. A broom attachment, comprising a fixed support, a movable guard plate carried by said support, means for raising said guard plate and means for holding said guard plate in a lowered position in a plane below the ends of the straws thereof for supporting said broom.

9. A broom attachment comprising a band adapted to be secured to the head of the broom, a plate pivotally carried by said band, a crank arm carried by said band, a flexible connection between said crank arm and plate, a lever for rocking said crank arm, and a spring latch arranged in the path of travel of said lever for holding said lever in adjusted position.

10. A broom attachment comprising a band adapted to embrace the head of a broom, ears formed on said band, a plate provided with pintles mounted in said ears, a crank arm carried by said band and extending laterally to said plate, a chain connecting said crank arm to said plate, a lever for rocking said crank arm, and a spring latch for holding said lever in adjusted position.

11. A broom attachment comprising a movably mounted dust guard having a free end capable of swinging into a plane be-

low the ends of the straws thereof and into
a plane above the ends of the straws there-
of, means for swinging the free end of said
plate into a plane above the ends of the
5 straws thereof, and means for holding said
plate with its free end in a plane below
the ends of the straws thereof.

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

HARRY EDWARD QUIGG.

Witnesses:

HAZEL E. MYERS,

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