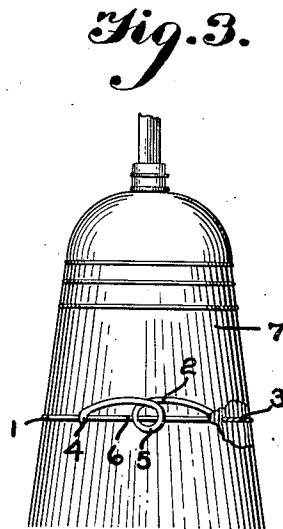
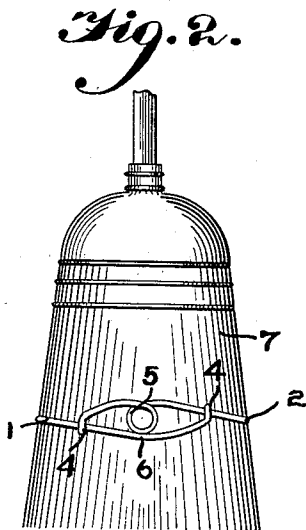
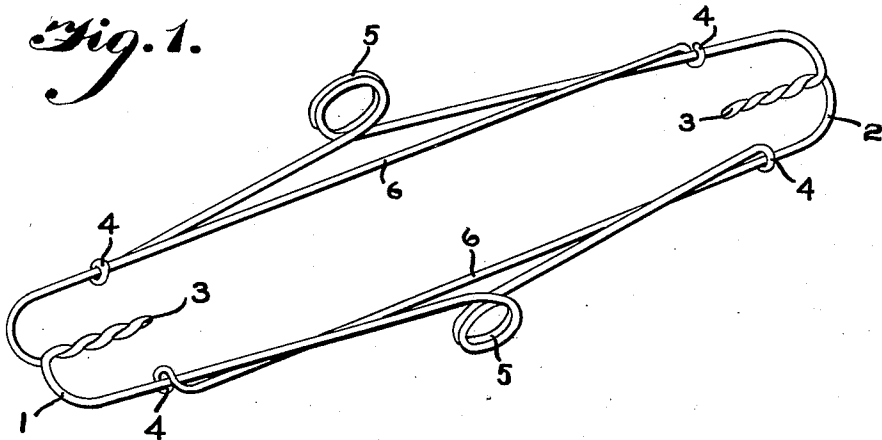


F. D. ARNOLD.
BROOM BRIDLE.
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1,064,188.

Patented June 10, 1913.



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BROOM-BRIDLE.

1,064,188.

Specification of Letters Patent.

Patented June 10, 1913.

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To all whom it may concern:

Be it known that I, FRANK D. ARNOLD, a citizen of the United States, residing at Dublin, in the county of Bucks and State of Pennsylvania, have invented certain new and useful Improvements in Broom-Bridles, of which the following is a specification.

My invention relates to improvements in broom bridles, the object of the invention being to provide a broom bridle which is capable of a wide range of adjustment to permit the bridle to be positioned on various sizes of brooms and upon the broom at various positions so as to produce the best results.

A further object is to provide a broom bridle composed of two spring wire members adjustable relative to each other and adapted to securely lock together by the spring action of coils upon the respective members to hold the bridle in any position of adjustment.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1 is a perspective view of my improved broom bridle showing the members in position for easy adjustment to position the bridle on any size of broom. Fig. 2 is a view in side elevation illustrating the bridle on a broom with the members on the bridle in position for locking. Fig. 3 is a view showing the bridle in locked position, and Fig. 4 is a fragmentary plan view on an enlarged scale showing the position of the members at one of the coils.

My improved broom bridle comprises two members 1 and 2 both composed of spring wire and bent precisely alike but reversely positioned. Each spring wire is twisted between its ends forming a lug 3, and the ends of the wire are curved outwardly in opposite directions from the twisted lug 3 and at their free ends are bent forming eyes 4 positioned around the wire forming the other member, so that the two members are free to slide one upon the other as clearly shown in Fig. 1.

The wire of each member at one side of the twisted lug is coiled as shown at 5 as many convolutions being given the wire as

desired, but at least two are essential. In other words, each member has a coiled portion 5 and as the members are reversely positioned, a coiled portion 5 is located at each side of the bridle, and to permit the members to have an easy adjustment with relation to each other, the parts are preferably positioned as shown in Fig. 1.

For purposes of clearness, I shall hereinafter refer to the members as having a coil containing end and a straight end, the straight ends being given reference character 6. As the members are reversely positioned, the coils extend in opposite directions, and the straight ends 6 of the members for easy adjustment are preferably located inside of the coil containing ends. When in this position, the bridle may be readily slipped over a broom 7, and when located at the proper position on the broom, the members are forced toward each other to project the twisted lugs 3 into the bristles of the broom at the edges thereof. The straight ends 6 of the members are then positioned against the outer portions of the coils 5 as shown in Fig. 2, the straight ends 6 bearing against the coils between the convolutions thereof. When in this position, the straight ends 6 may be forced between the convolutions of the coils as shown most clearly in Figs. 3, and 4, so that the coils frictionally grip the ends 6 and lock the members of the bridle against accidental movement.

To release the bridle, it is simply necessary to move the straight ends 6 out of locked engagement with the coils 5, when the bridle members may be drawn apart and removed from the broom or adjusted thereon.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A broom bridle comprising two spring wire members mounted to slide one upon the other, and a coil on one member adapted to receive a straight portion of the wire

of the other member and clamp the same between the convolutions of the coil, substantially as described.

2. A broom bridle comprising two spring
5 wire members, each member having eyes at its ends sliding on the wire of the other member, and each member having a coil at one side adapted to receive and clamp the straight portion of the other member, sub-
10 stantially as described.

3. A broom bridle comprising two spring wire members, said members twisted intermediate their ends whereby inwardly projecting twisted lugs are formed at the ends
15 of the bridle, said members mounted to

slide one upon the other, each member having one of its ends coiled and the other end straight, whereby the coiled portions of the bridle are adapted to receive the straight portions thereof and lock the bridle members against movement, substantially as described.

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

FRANK D. ARNOLD.

Witnesses:

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