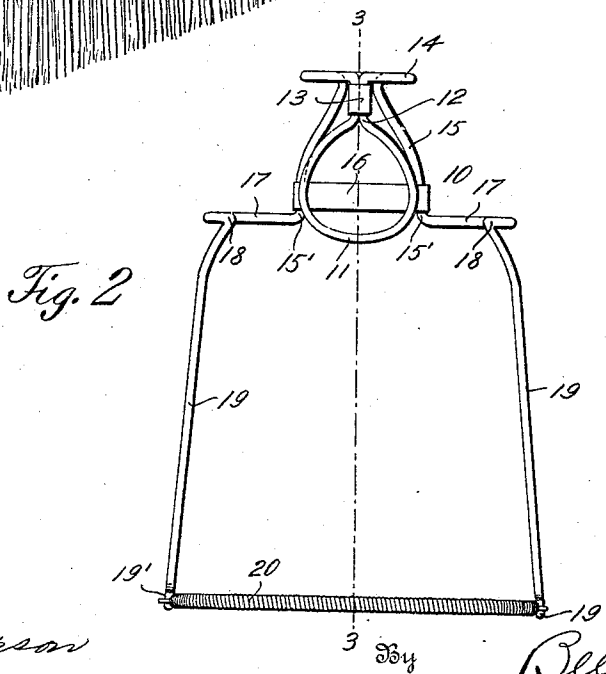
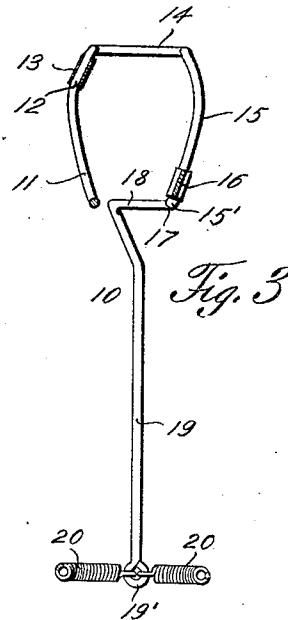
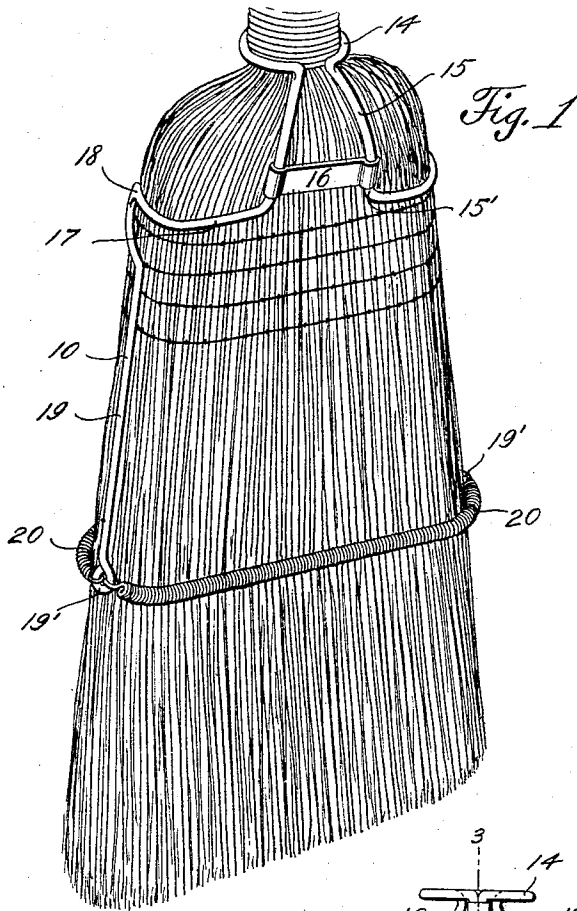


C. F. SCHULZ.
BROOM BRIDLE.
APPLICATION FILED SEPT. 17, 1909.

943,319.

Patented Dec. 14, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

CHRISTIAN F. SCHULZ, OF CHICAGO, ILLINOIS.

BROOM-BRIDLE.

943,319.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHRISTIAN F. SCHULZ, citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Broom-Bridles, of which the following is a specification.

This invention consists of a bridle employed in connection with brooms or brushes for the purpose of retaining the fibers thereof in proper compact relation or position.

The invention consists of certain structural details whereby the device may be cheaply manufactured, easily applied, and which will not only hold the fibers of the broom properly, but will permit sufficient flexibility or spreading thereof for all purposes for which the broom or brush is intended.

For a full understanding of the invention, reference is to be had to the following detail description and to the accompanying drawings, in which—

Figure 1 represents a conventional form of broom having applied thereto the improved bridle; Fig. 2 is a side elevation of the bridle detached, and Fig. 3 is a transverse vertical section on line 3—3 of Fig. 2.

Throughout the following detail description and on the several figures of the drawings similar parts are referred to by like reference characters.

The bridle comprises a skeleton body portion 10, consisting mainly of a single piece of spring wire bent at its middle portion into a loop 11, adapted to snugly embrace one side of the broom. The two parts of the wire are brought toward each other or together at the upper end of the loop, as indicated at 12, and are preferably secured at such point by means of a hasp 13 permanently. The said two parts thence diverge and are formed into a horizontal and substantially circular ring 14, adapted to clamp firmly around the lower end of the broom stick or handle. Thence the wires extend downwardly and slightly diverge forming arms as indicated at 15, forming a portion cooperating with the clamping force of the aforesaid loop 11 and on the opposite side of the broom therefrom. The portions of the body 15 terminate in shoulders 15' and may be connected by a link 16 if desired. Thence the parts extend in directly opposite directions horizontally, as indicated at 17, said

horizontal portions terminating in shoulders or hooks 18 extending around the edges of the broom, said hooks substantially embracing said edges. The wires extend downwardly from said hooks 18 in the form of substantially straight parallel legs 19 terminating at their lower ends in eyes 19'.

One of the principal purposes of this invention is to so embrace the fibers or straws of the broom, as to maintain them in substantially a straight position, thereby preventing destruction thereof by accidental breakage or rough usage.

In order that the broom straws may be sprung outwardly or spread apart flexibly the bridle should be flexible, as will be described, and to properly maintain the broom straws in normal position, and yet permit such flexibility thereof as may be desired the bridle is provided with one or more elastic elements, shown as coiled springs 20 connected at their ends to the aforesaid eyes 19' and extending around the flexible part of the broom.

The device may be applied to a broom almost instantly, and by virtue of the clamping effect of the loop 11 and the ring 14 it is retained permanently thereon until the broom is worn out, when it may be transferred to a new one.

Having thus described the invention, what is claimed as new is:

The herein described broom bridle comprising a body portion formed of spring wire, said wire being bent at its middle portion into a vertical loop, thence into a horizontal clamping ring, thence into downwardly extending arms terminating in shoulders, thence into outwardly extended hooks, and thence extending downwardly and terminating in substantially parallel legs, a pair of hasps for maintaining the parts of said body in proper position, one of the hasps being placed adjacent the top of said vertical loop and the other hasp being connected to said downwardly extending arms, and a pair of coiled springs connected to the lower ends of the said legs.

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

CHRISTIAN F. SCHULZ.

Witnesses:

ARTHUR F. HEARL,
RICHARD MATTHIES.