

J. R. ROSS.
BROOM BRIDLE.

(Application filed June 26, 1901.)

(No Model.)

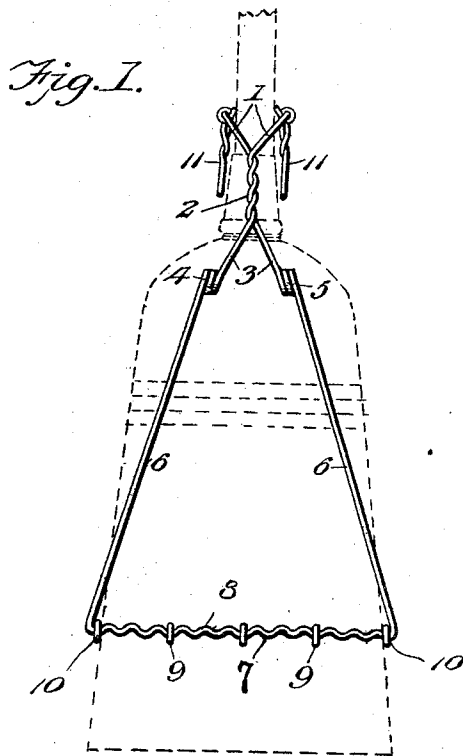


Fig. 2.

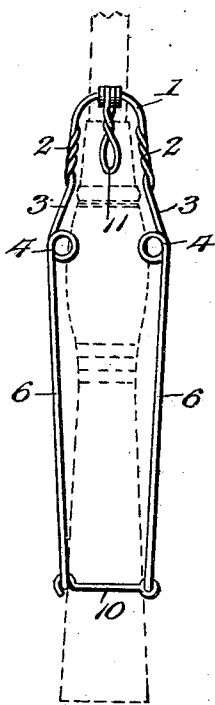


Fig. 3.

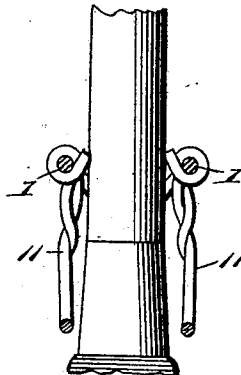
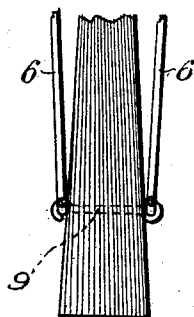


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN R. ROSS, OF JONESVILLE, LOUISIANA.

BROOM-BRIDLE.

SPECIFICATION forming part of Letters Patent No. 683,071, dated September 24, 1901.

Application filed June 26, 1901. Serial No. 66,129. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. ROSS, a citizen of the United States, residing at Jonesville, in the parish of Catahoula and State of Louisiana, have invented new and useful Improvements in Broom-Bridles, of which the following is a specification.

My invention relates to improvements in broom-bridles; and the object is to provide a broom-bridle for brooms which is simple in construction, adjustable vertically, durable, and effective in accomplishing the purposes.

I accomplish the purposes of the invention by the means illustrated in the accompanying drawings, wherein—

Figure 1 is a front elevation of the device, showing it as applied to a common house-broom, which is shown in dotted lines. Fig. 2 is a side elevation of the device shown applied to a broom, the dotted lines showing the broom in side elevation. Fig. 3 is a detail view, partly in section, showing the arrangement of the handle-clamps for holding the bridle in adjusted position. Fig. 4 is a detail view showing the connecting-hooks intermediate of the end hooks in dotted lines as passed through the broom.

To effect the construction of my improved broom-bridle, I take two pieces of wire of suitable thickness and length and form them into a ring 1, adapted to have the handle of the broom passed through it. At opposite points of this ring the wires are twisted together, as at 2, the twist being extended or continued downward a desired distance, as indicated, and from the lower ends of the twisted portions the wires are spread outward, as at 3, and formed with coils 4 5, from which the wires are inclined outward, as at 6 6, intended to lie substantially coincident with the edges of the broom. The wire portions 6 are extended down a desired distance and then bent to horizontal lines, as at 7, and crimped or corrugated, so as to present increased pressure-surface on the broom and hold the broom-straws in proper shape, as shown in Fig. 1 at 8. On the horizontal portion of the bridle are secured hooks 9, which project through the fibers of the broom and unite the opposite lower bars of the bridle,

as indicated in Fig. 4 of the drawings, the hooks dividing the fibers into groups and preventing them from sidewise displacement. Hooks 10 may also connect the bridle-frames at the sides, as shown.

In order that the device may be held in a position to which it may be moved, I fix to the wire of the ring oppositely-disposed depending fingers or loops 11 11, which are adapted to bear against the handle with their lower ends, and thus hold the bridle in any position to which adjusted.

To apply the device to a broom, it is slipped down over the handle to the position required, and then the hooks are engaged to hold the opposite bridle-frames to the broom and connected to each other at the bases of the bridle-frames. As the broom wears off the bridle may be pulled upward, as desired.

What I claim is—

1. A broom-bridle made of wire formed with an opening to engage over the handle of the broom, depending twisted sections below the opening uniting the opposite sections of the bridle, outwardly-extending limbs terminating in spring-coils, and depending flaring strands having their lower portions bent to horizontal alinement, and hooks uniting the opposite ends of the horizontal portions of the bridle.

2. A broom-bridle made of wire formed with an opening to engage over the handle of the broom, depending twisted sections below the opening uniting the opposite sections of the bridle, outwardly-extending limbs terminating in spring-coils, depending flaring strands having their lower portions bent to horizontal alinement and crimped, hooks on the horizontal portions to engage the fibers of the broom, and depending loops mounted on the wire of the opening through which the handle passes, whereby the bridle is held to the handle in adjusted position.

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

JOHN R. ROSS.

Witnesses:

H. W. BEETROOD,
D. S. ST. JOHN.