J. R. DOUGLASS.

BROOM CORN HOLDER.

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982,941.

Patented Jan. 31, 1911.

Fig. 1.

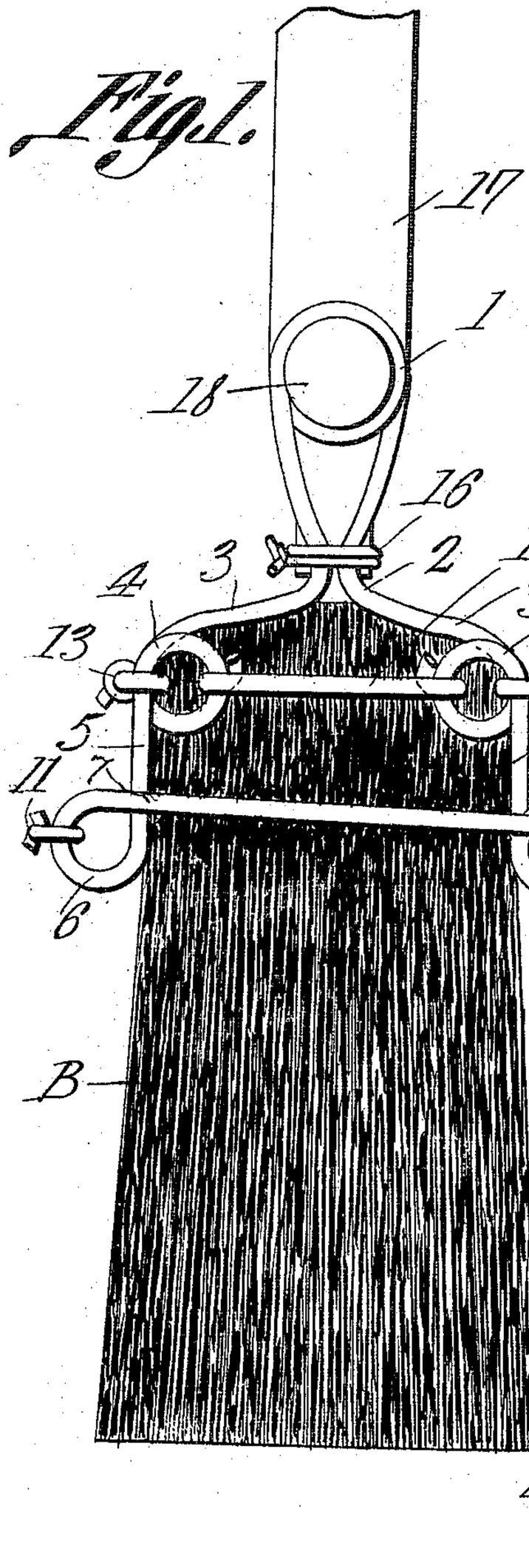

Fig. 2.

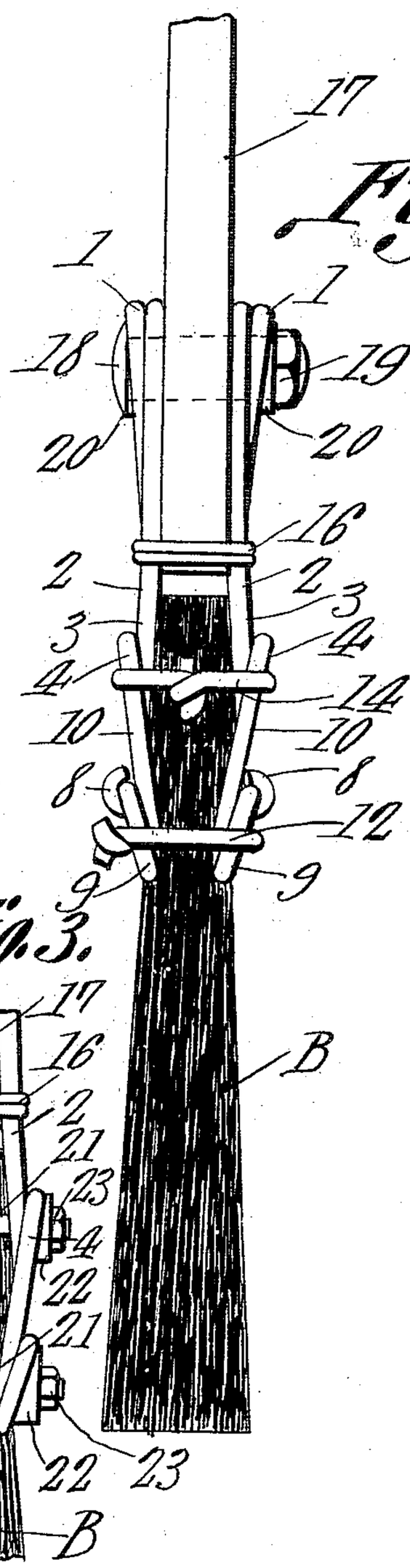

Fig. 3.

Witnesses:

J. R. Hamblin

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UNITED STATES PATENT OFFICE.

JAMES R. DOUGLASS, OF BENTONVILLE, ARKANSAS.

BROOM-CORN HOLDER.

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Application filed October 5, 1910. Serial No. 585,520.

To all whom it may concern:

Be it known that I, JAMES R. DOUGLASS, a citizen of the United States, residing at Bentonville, in the county of Benton and State of Arkansas, have invented a new and useful Broom-Corn Holder, of which the following is a specification.

This invention relates to broom corn holders.

The object of the invention is to provide a simple, durable and highly efficient device of this character that will enable farmers, and other people living in rural districts, easily and quickly, and without the employment of any special mechanism, to manufacture their own brooms.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a broom corn holder as will hereinafter be fully described and claimed.

In the accompanying drawing, forming a part of the specification and in which like characters of reference indicate corresponding parts: Figure 1 is a view in side elevation showing a broom manufactured with a holder of the present invention. Fig. 2 is an edge view of the broom and holder. Fig. 3 is an edge view showing a slightly modified form of the invention.

The holder comprises two jaws each a counterpart of the other, and both constructed from a length of resilient wire of suitable gage. In describing the invention but one of the holders will be referred to, since as above indicated, the parts of both are alike. A length of wire is taken and bent to form a coil or loop 1, which will hereinafter be termed the handle loop, thence downward and inward to form a substantially constricted neck 2, thence outward in opposite directions to form two arms 3, that constitute the shoulders of the holder, thence bent to form two loops 4, which will hereinafter be designated shoulder loops, thence downward to form side members one of the side members 5 of the holder being bent to form a loop 6, which will hereinafter be designated a side loop, thence at right angles to the side member 5 to provide a binding wire 7, the terminal of which is formed into a hook 8 that is designed to interlock with a loop 9 formed on the other side member 10, the connection between the hook 8 and loop 9 being permanent.

In manufacturing a broom, a sufficient quantity of broom corn is taken and after having been wet in hot water, is properly shaped and laid upon one of the jaws, after which the other jaw is placed on the opposite side of the broom corn and locking wires 11 and 12 are passed through the two loops 6 and 9 and are twisted. Similar wires 13 and 14 are passed through the shoulder loops 4 and twisted, on their outer sides, and a second locking wire 15 is interlocked with the shoulder loops 4, thereby firmly clamping the shoulder portion of the broom corn B, and finally a locking wire 16 is coiled around the neck 2 and has its ends twisted together, as shown in Fig. 1. Prior to positioning the last wire, the broom handle 17, which will have its lower portion flattened and reduced, is slipped between the handle loops and down into the neck 2, after which the wire 16 is secured in the manner described. The handle is provided with an opening, and through this and the two handle loops is passed a bolt 18 carrying a nut 19, by which the handle loops may be firmly clamped against the handle. As the outer sides of the handle loop will be inclined, beveled washers 20 are inserted between the loops and the head of the bolt and the nut in order to get a square bearing surface for the parts.

Instead of employing the locking wires for holding the two members clamped around the broom corn, bolts 21 may be employed in lieu thereof, as shown in Fig. 3, there being beveled washers 22 interposed between the loops and the heads of the bolts and the nuts 23 in order to secure a flat bearing surface for these parts.

When the broom has become worn, it will only be necessary to remove the different locking wires and proceed in the manner above set forth to manufacture a new broom.

I claim:

1. As a new article of manufacture, a broom corn holder consisting of two jaws each comprising a handle loop, a pair of shoulder loops, a pair of side members extending downward therefrom and a pair of side loops, the wire of one of the side loops being extended at right angles to the side members and interlocked with the other side loop, and forming thereby a compressing member, and means combined with the shoulder and side loops for securing the jaws on a broom-head.

2. A broom corn holder comprising two jaws constructed from lengths of wire, each of which is bent to form a handle loop, thence bent outward in opposite directions and coiled to form two shoulder loops, thence bent downward to provide side members, the terminal of one of which is formed into a side loop, and the terminal of the other being formed into a side loop and into a compressing member having its terminal interlocked with the other side loop, and locking means engaging the various loops to secure the holder about a mass of broom corn.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES R. DOUGLASS.

Witnesses:
R. L. FAIR,
E. H. FAIR.