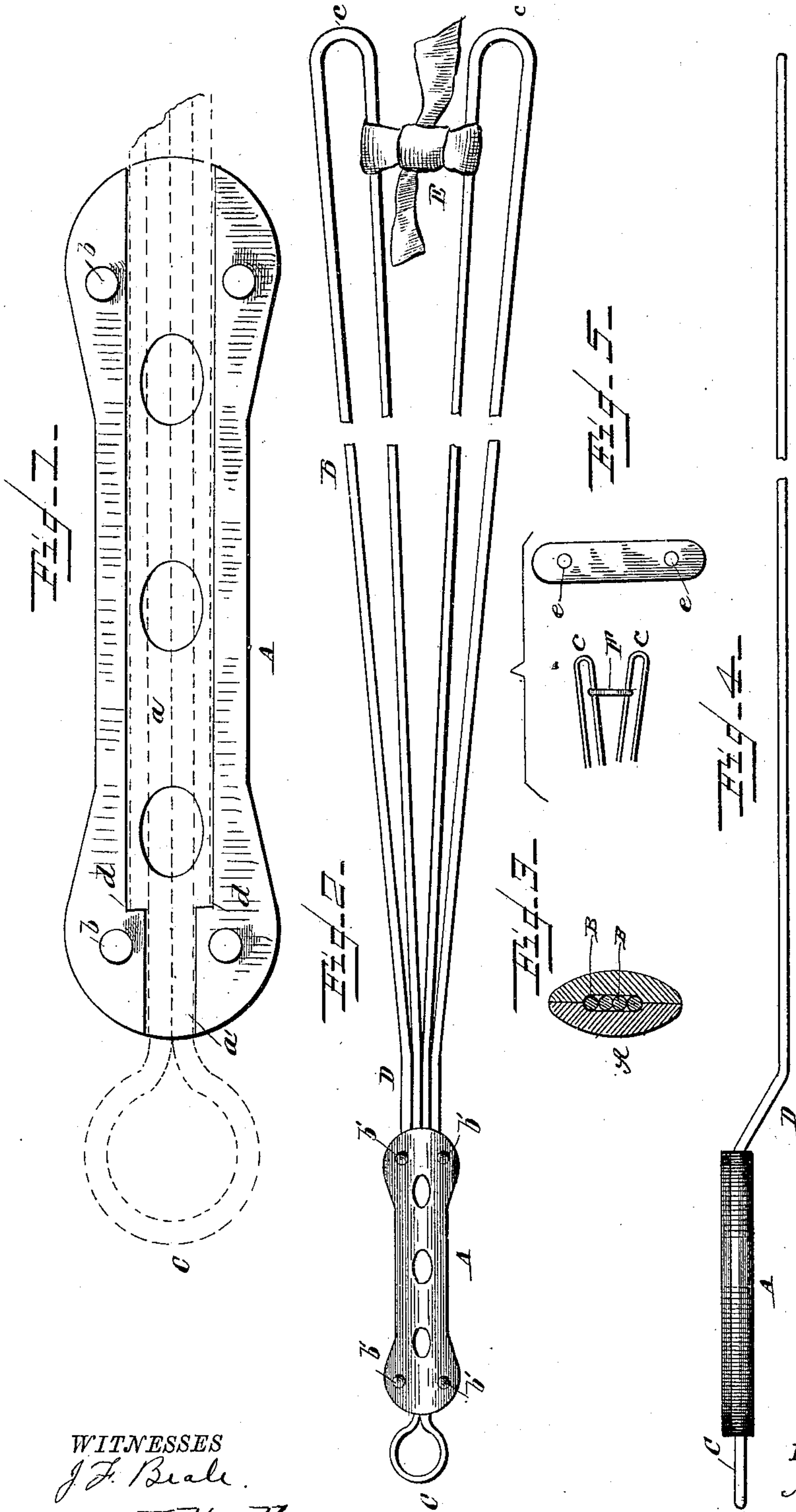


(No Model.)

M. C. BUCK.
WIRE DUST WHIP.

No. 356,348.

Patented Jan. 18, 1887.



WITNESSES
J. F. Beale.
Edwin L. Jewell.

INVENTOR
Martha C. Buck.
By *M. A. Redmond*
Her Attorney

UNITED STATES PATENT OFFICE.

MARTHA C. BUCK, OF OGDEN, MICHIGAN.

WIRE DUST-WHIP.

SPECIFICATION forming part of Letters Patent No. 356,348, dated January 18, 1887.

Application filed August 16, 1886. Serial No. 211,030. (No model.)

To all whom it may concern:

Be it known that I, MARTHA C. BUCK, a citizen of the United States, residing at Ogden, in the county of Lenawee and State of Michigan, have invented certain new and useful Improvements in Wire Dust-Whips; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to dust whips; and it has for its object to provide a simple, durable, and inexpensive wire dust-whip in which the beaters or whip is formed of one continuous piece of wire, which is steadied and expanded by a slide; and it consists of the parts and combination of parts hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is an enlarged view of the inner side of one of the halves forming the handle; Fig. 2, a side elevation of the device with handle complete; Fig. 3, a cross-sectional view of the handle; Fig. 4, an edge view, and Fig. 5 detail views of a modification of the slide.

Similar letters refer to similar parts throughout the several views.

A represents the metallic handle of my improved dust-whip. The edges of the handle are rounded, so that it may be grasped when in use without chafing the hand. Each half of the handle, on its inner side, is formed with a plain-bottomed groove, *a*, which extends the full length of the handle, being widest from the points *d* to the end, and forming, when the halves are brought together, an oval or oblong opening (in cross-section) for the reception of the wire B. One of the halves is provided with perforations *b* at each corner, through which rivets *b'* are passed to hold the same together, and thus tightly compress the wire B in the groove *a*, the rivets *b'* being cast on the other half of the handle.

In making whips of a smaller size for clothing I may use wooden handles, in which case they will be bolted or screwed together.

The wire B, which is preferably of one piece of Bessemer steel, is first bent at its middle to form the loop C, and then both of its ends are passed through the groove *a* until the loop C

rests or abuts against the end of the handle. The ends of the wire are then bent in opposite directions to each other to form the loops *c*, and brought back and into the groove *a* to the points *d*. The screws or rivets are then tightened to clamp the wire in position, after which the wire is again bent to form the shoulder or offset D. It will be seen that the loop C will prevent the wire slipping forward in the handle, and that it also answers for a ring to hang the whip to a nail or hook in the wall, while the offset D protects the hand, and also prevents the wire slipping back in the handle.

E is a slide of rubber or braid. If of braid, as shown in Fig. 2, it will be first passed around the inner arms of the whip, and the intervening space wound tightly by the ends of the braid and knotted or stitched together. This is a cheap and satisfactory slide; but I may, if desired, make the slide of a flat piece of hard rubber, F, having perforations *e* in each end, through which the wire is passed. When it is desired to adjust the arms of the wire closer together, the slide is slipped along it toward the end, and if it is desired to spread them apart the slide is slipped toward the handle.

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

1. A wire dust-whip consisting of handle A, having the groove *a*, the wire B, bent to form the loops C *c* and offset D, and a suitable slide to adjust and steady the wire, substantially as set forth.

2. The combination, in a wire dust-whip, of the continuous wire B, the grooved handle A, and the slide E, substantially as and for the purpose set forth.

3. The combination, in a wire dust-whip, of the handle A, having the groove *a*, rivets *b'*, and perforations *b*, and the wire B, having the loops C *c* and offset D, all as and for the purpose set forth.

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

MARTHA C. BUCK.

Witnesses:

ORSAMUS LAMB,
ALMA D. BUCK.