

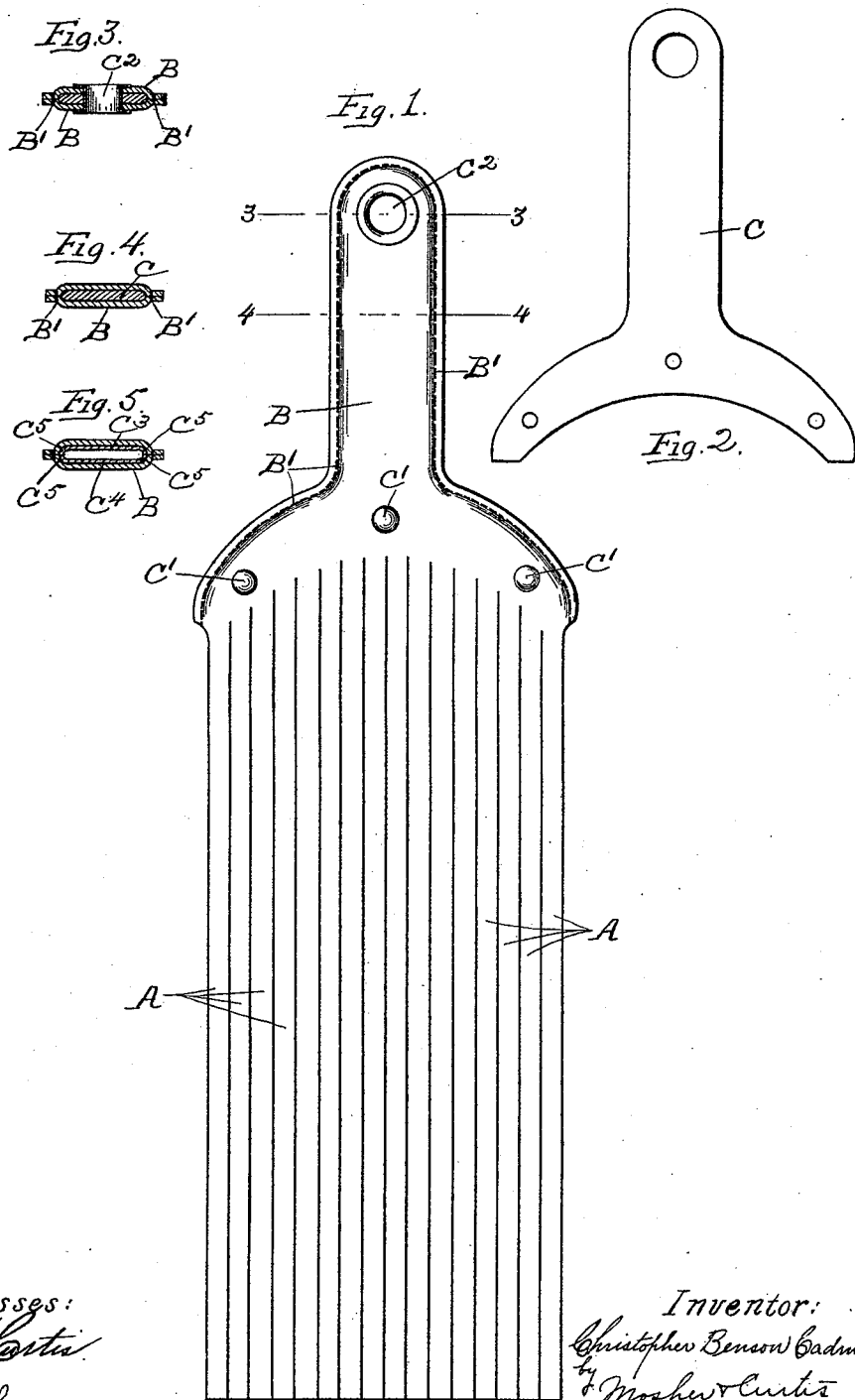
(No Model.)

2 Sheets—Sheet 1.

C. B. CADMAN.
DUST BEATER.

No. 538,480.

Patented Apr. 30, 1895.



Witnesses:
G. H. Curtis
D. Nolan

Inventor:
Christopher Benson Cadman
by Mosher & Curtis
attys

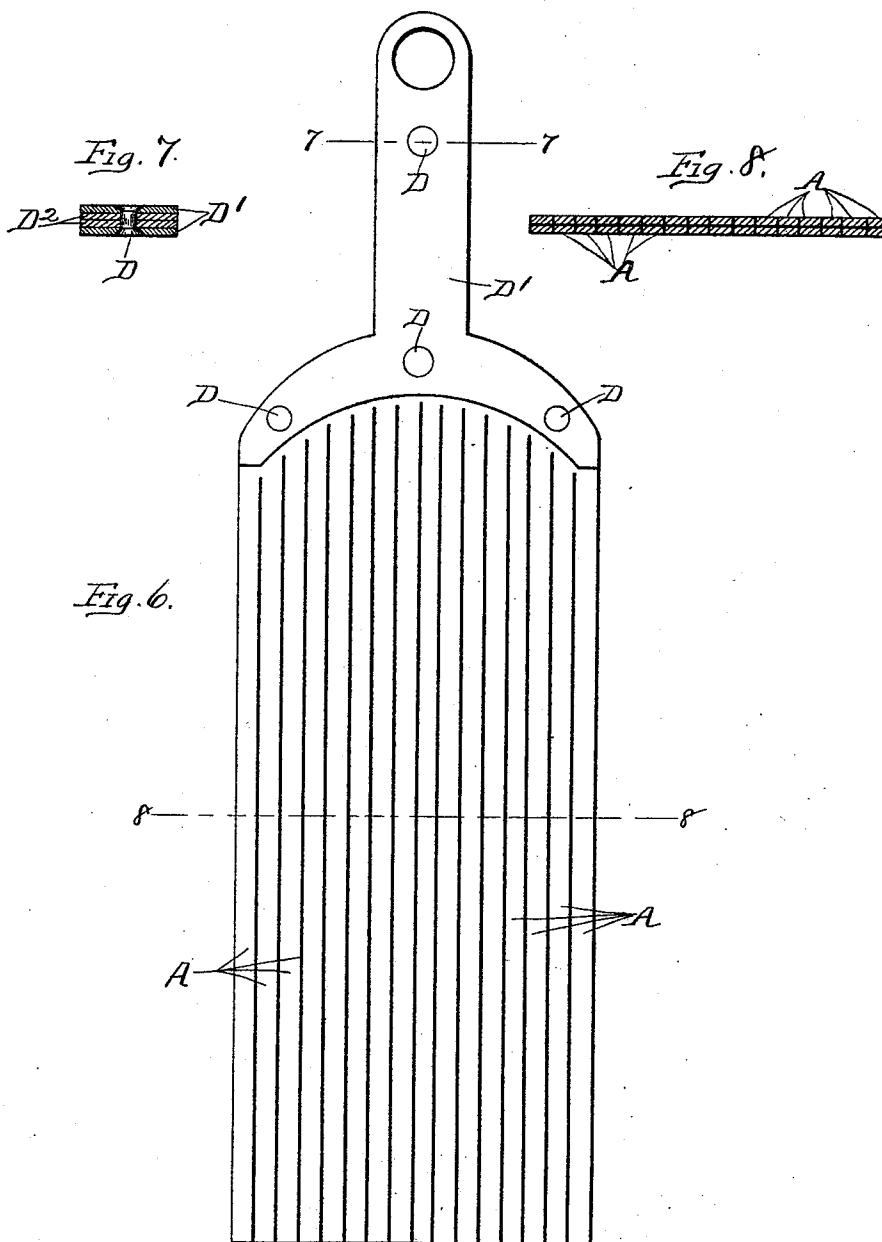
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UNITED STATES PATENT OFFICE.

CHRISTOPHER BENSON CADMAN, OF GLOVERSVILLE, NEW YORK.

DUST-BEATER.

SPECIFICATION forming part of Letters Patent No. 538,480, dated April 30, 1895.

Application filed December 14, 1894. Serial No. 531,748. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER BENSON CADMAN, a citizen of the United States, residing at Gloversville, county of Fulton, and State of New York, have invented certain new and useful Improvements in Dust-Beaters, of which the following is a specification.

The invention relates to such improvements and consists of the novel construction and combination of parts hereinafter described and subsequently claimed.

Reference may be had to the accompanying drawings, and the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the several figures therein.

Figure 1 of the drawings is a plan view of one side of my improved dust-beater. Fig. 2 is a similar view of the core of the shank and handle detached. Fig. 3 is a vertical cross-section taken on the broken line 3 3 in Fig. 1. Fig. 4 is a similar section taken on the broken line 4 4 in Fig. 1. Fig. 5 is a similar view showing a different form of handle-shank. Fig. 6 is a view similar to that in Fig. 1, showing modified form of construction. Fig. 7 is a vertical cross section taken on the broken line 7 7 in Fig. 6. Fig. 8 is a vertical cross-section taken on the broken line 8 8 in Fig. 6.

The body part of my improved dust-beater is made of some flexible material such as soft rubber, leather or fabric, preferably of two strips or plies of leather superposed one upon another, each strip being slitted at one end to form the beater-lashes A. The other end of the body part is tapered or narrowed to form the handle B. The edges of the unslitted ends of the superposed plies are secured together along their edges, as by the row of stitches B', thereby forming at that end a pocket in which is inserted a stiffening handle-shank C, and secured therein as by rivets C' inserted through the plies and inserted shank.

When desired the extreme end of the handle may be provided with a nail aperture C² by inserting an eyelet through the plies and inserted shank previously apertured for that purpose, whereby the device may be hung up when not in use. The inserted shank may be

of any desired material, as malleable iron or wood, or it may be made of two pieces of sheet-metal C³ and C⁴ swaged in suitable dies to form on their faces the upturned edge-flanges C⁵ thereby imparting strength and rigidity to the parts. The two pieces are thin and placed face to face, as shown in Fig. 5, and inserted between the unslitted ends of the plies.

When desired, the unslitted ends of the superposed plies may be inclosed between the parts of a two-piece shank, as shown in Figs. 7 and 6; and the rivets D inserted through the inclosing shank-pieces D' and inclosed unslitted plies D².

I am thus able to construct a durable and most effective beater which is especially adapted for use in beating dust from fabric.

The fabric is thoroughly cleansed without being injured.

In beating upholstered furniture, the lashes being individually soft and small do not injure the woodwork if they happen to strike it, whereby the work can be quickly and thoroughly done.

I am aware that flexible strips have been secured in a head of like material by tacks, said head being made to receive a wire holding loop bent at its ends to prevent tearing of the head and inserted in a handle, the whole brush including the head rotating or swinging loosely about the wire loop by which it is connected to a handle. By my improvement flexible strips are made integral with the handle and the two unslitted parts of the strips of material used are suitably shaped at one end for this purpose. The slits whereby the lashes are formed do not extend quite to the handle proper but stop short thereof as shown whereby a head is formed integral with the lashes. This head and the handle are stiffened by a suitably shaped piece or pieces which is riveted or otherwise secured both to the head and to the handle portions of the unslitted end of the strips.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a dust-beater, the combination with a body part consisting of two superposed strips of flexible material each slitted at one end and

entire at the other end and a handle-stiffening shank, said shank being fixed directly to the unslitted handle portions of the strip, substantially as set forth.

- 5 2. In a dust-beater, the combination with a body-part consisting of two strips of flexible material superposed one upon the other, severally slitted at one end and stitched together along the edges of the unslitted end, of a
10 stiffening shank composed of two pieces of

swaged sheet-metal placed face to face and inserted between the unslitted portions of the plies, substantially as set forth.

In testimony whereof I have hereunto set my hand this 10th day of December, 1894.

CHRISTOPHER BENSON CADMAN.

Witnesses:

FRANK C. CURTIS,
S. T. STREET.