

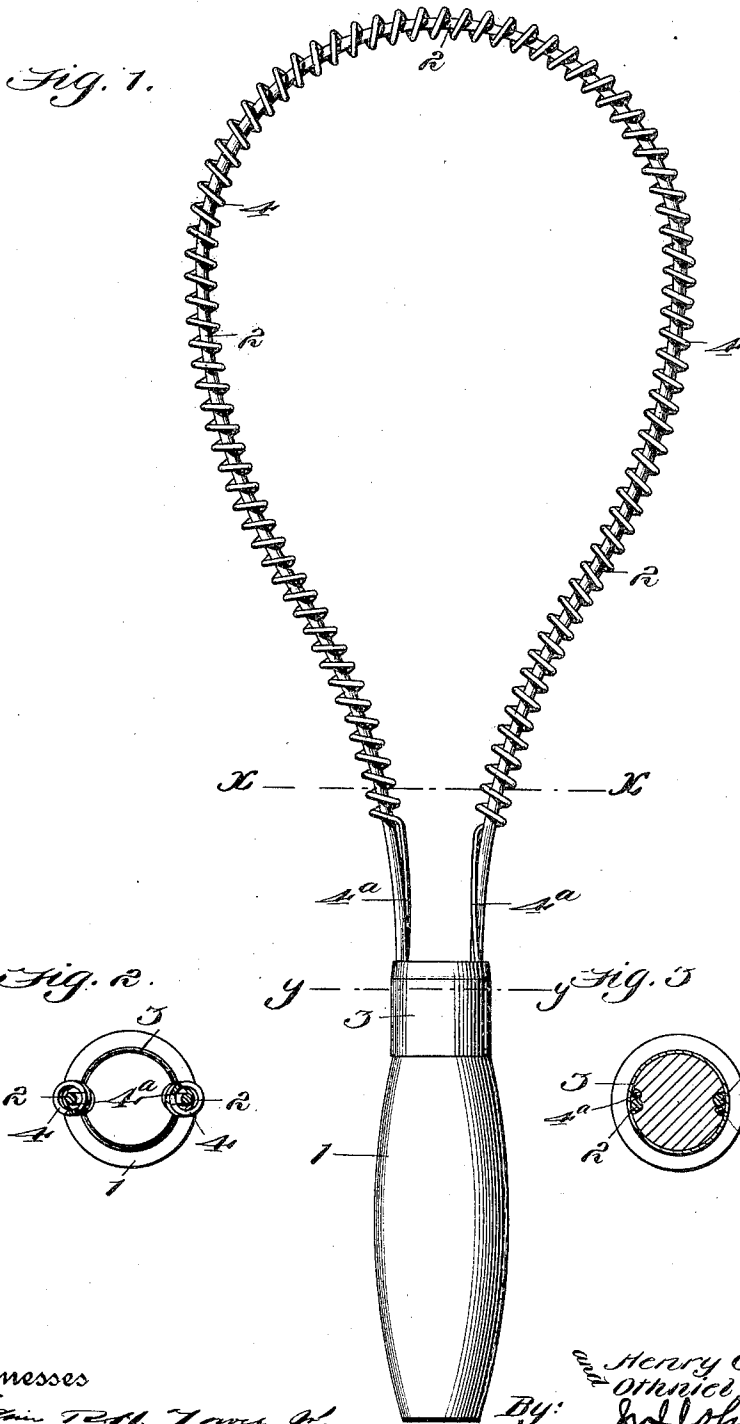
No. 678,586.

Patented July 16, 1901.

H. C. & O. PRESTON.  
DUST BEATER.

(Application filed Mar. 13, 1901.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

HENRY C. PRESTON AND OTHNIEL PRESTON, OF HORNELLSVILLE,  
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## DUST-BEATER.

SPECIFICATION forming part of Letters Patent No. 678,586, dated July 16, 1901.

Application filed March 13, 1901. Serial No. 50,956. (No model.)

*To all whom it may concern:*

Be it known that we, HENRY C. PRESTON and OTHNIEL PRESTON, citizens of the United States, residing at Hornellsville, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Dust-Beaters; and we do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to certain improvements in carpet beaters or whips.

It has for its object more particularly to effectually release the dust brought to the surface as the carpet or fabric acted upon is whipped or beaten, thus thoroughly cleaning the carpet and in the minimum time and expenditure of labor; also, to promote durability or longevity of use of the whip or beater by relatively retaining the coils or helices in their effective or working position during the use of the beater or whip.

It consists of novel features of construction and the combination of parts, including their construction and arrangement, substantially as hereinafter more fully disclosed, and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of our invention, Figure 1 is a side elevation. Fig. 2 is a cross-section taken on the line *xx* of Fig. 1. Fig. 3 is a similar section taken on the line *yy* of Fig. 1.

In carrying out our invention we provide a handle 1 and a stout wire or core 2, preferably in the form shown, forming a loop, suitably let into said handle and held therein by a suitable ferrule 3. Around or upon the core 2 is arranged a highly flexible or elastic wire 4, being coiled thereon, with its series of coils or helices loosely embracing or compassing said core, allowing the dust, &c., to readily free itself in actuating or using the

beater or whip. The terminals or end portions 4<sup>a</sup> of the helical or coiled wire 4 are uncoiled and preferably passed down alongside of the corresponding portions of the core and suitably let into and anchored in the end of the handle.

From this construction and arrangement of parts it will be observed that while the more flexible or elastic wire or beater proper, 4, has the requisite interspaces between its coils or helices to permit the passage therebetween of the dust, &c., brought to the surface of the carpet or fabric being acted upon or beaten in the use of the whip, and said dust, &c., thus be readily released or removed, yet if said coils or helices be dependent for stability upon only themselves it is apparent that they would soon become limp or ineffectual for their intended purpose. In order, however, to overcome this objection or defect is the purpose of using the stout wire or core 2, maintaining the helices or coils in their relatively working or normal position for effective action and still have the requisite mobility or looseness to allow the thorough elimination or release of the dust, &c. Also the action of the forcible contact or engagement of the core 2 upon the loose coils or helices of the wire 4 as the beater is being used in cleaning or beating the article has the effect to jar, and thus free the dust from the coils or helices themselves, which dust as it is removed from said article thereby would otherwise lodge upon and more or less adhere to said coils or helices. Further, the use of said core in connection with said coils or helices renders the device or beater stronger, and consequently more durable or lasting, than would otherwise be the case.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. A carpet-beater comprising a handle provided with a ferrule, a rigid core in loop form, a correspondingly-shaped coiled or helical wire surrounding the said core and loosely embracing the same, said coiled or helical

wire having uncoiled end portions or terminals extending alongside of the corresponding portions or terminals of said core both the terminals of said core and wire being secured  
5 in said handle, substantially as set forth.

2. A carpet beater or whip, comprising a handle, a ferrule upon said handle, a serially-coiled or helical wire, and a core upon which are arranged the coils or helices of said wire,

said wire and core having their terminals secured to said handle, substantially as set forth. 10

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY C. PRESTON.  
OTHNIEL PRESTON.

Witnesses:

EDWIN L. DOLSON,  
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