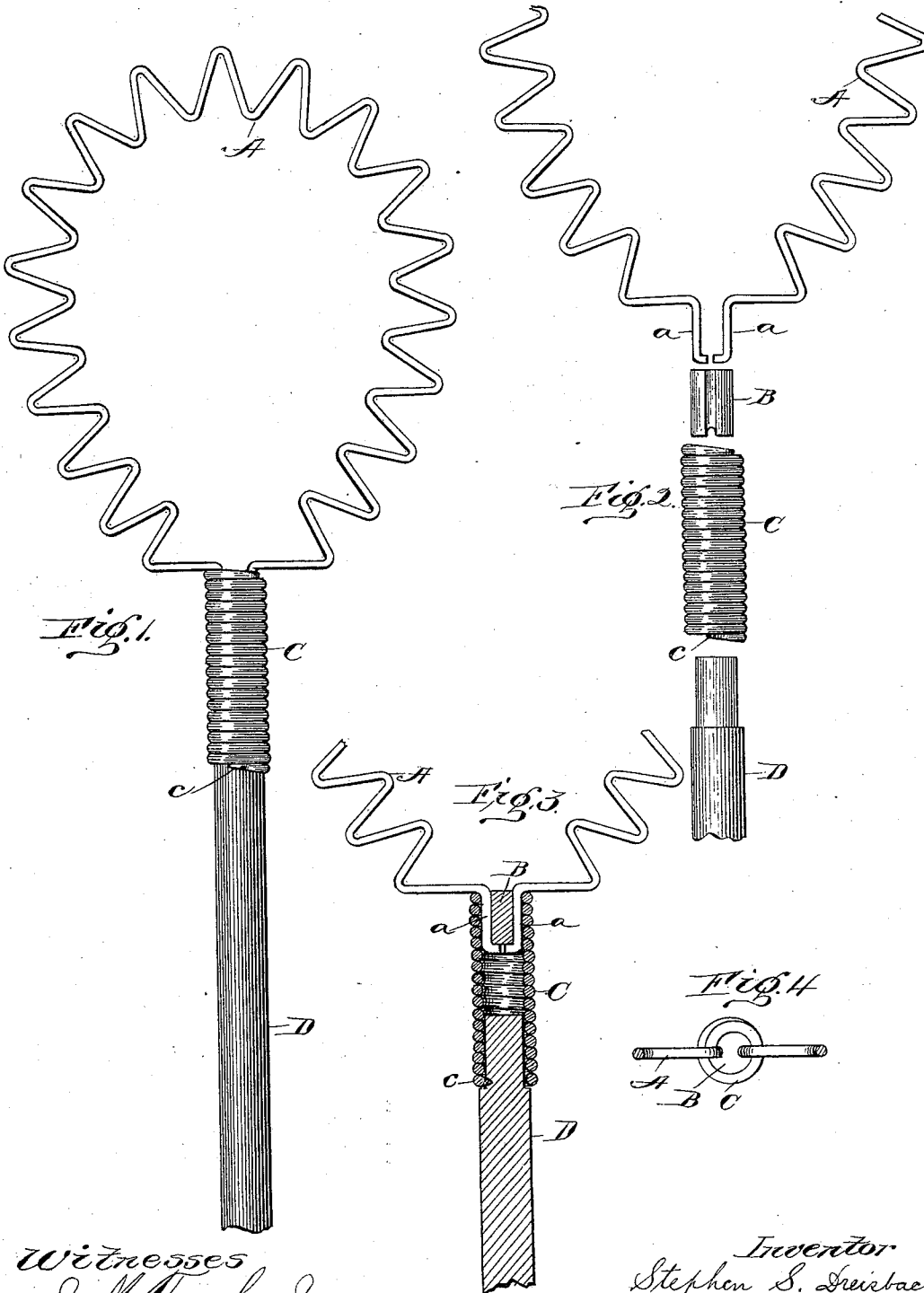


(No Model.)

S. S. DREISBACH.
DUST BEATER.

No. 574,986.

Patented Jan. 12, 1897.



Witnesses
J. M. Fowler Jr.
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UNITED STATES PATENT OFFICE.

STEPHEN S. DREISBACH, OF CATAWISSA, PENNSYLVANIA.

DUST-BEATER.

SPECIFICATION forming part of Letters Patent No. 574,986, dated January 12, 1897.

Application filed March 23, 1896. Serial No. 584,524. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN S. DREISBACH, of Catawissa, in the county of Columbia, State of Pennsylvania, have invented certain new and useful Improvements in Dust-Beaters; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon.

This invention relates to improvements in devices for beating carpets, cushions, furniture, &c., to remove the dust therefrom; and it consists in certain novel details of construction and combinations and arrangements of parts, all as will be now described in the following specification and pointed out particularly in the appended claims.

In the accompanying drawings, Figure 1 is a side view of the beater. Fig. 2 is a view showing the parts of the beater separated. Fig. 3 is a longitudinal section. Fig. 4 is a detail view showing end of spring brought in over top of plug.

Similar letters of reference in the several figures indicate the same parts.

Referring to the drawings, the letter A indicates the beater-head, made of one continuous piece of wire, crimped, as shown, to give strength and greater beating-surface. The free ends *a a* of the wire head are carried down and fit in grooves in the side of a block or plug B, preferably of hard wood, and at their extremities are bent at right angles and fitted in a groove in the bottom of the plug, all as shown in Fig. 3.

C is a coil-spring, the upper convolutions of which completely surround the plug and bind tightly upon it, thereby holding the ends of the wire head in place, the end of the spring being brought in over the top of the plug to prevent its withdrawal, as shown in Fig. 4. The lower convolutions encircle the end of the handle D, the end of the spring being reduced, as at *c*, Fig. 3, forming a penetrating edge and driven into the handle, thus securing the spring firmly to the handle, as will be understood. The upper and lower portions of the spring being firmly held, bending or flexure is permitted at the middle portion only, thereby giving flexibility and resiliency to the beater-head.

From the above description it will be seen that the device is simple, easily manufactured, and requires no separate fastening means to hold the parts together.

Having thus described my invention, what I claim as new is—

1. In a dust-beater the combination with the head formed of one continuous piece of wire, of the plug or block receiving the ends of the wire, the handle, the coiled spring encircling the handle at its lower portion, and its upper portion encircling the plug or block, whereby both the plug and the ends of the wire will be held in place; substantially as described.

2. A dust-beater, having a head formed of one continuous piece of crimped wire.

STEPHEN S. DREISBACH.

Witnesses:

F. R. DENT,
C. E. GEYER.