

(No Model.)

H. S. CARLEY.
FAN.

No. 429,884.

Patented June 10, 1890.

Fig. 1.

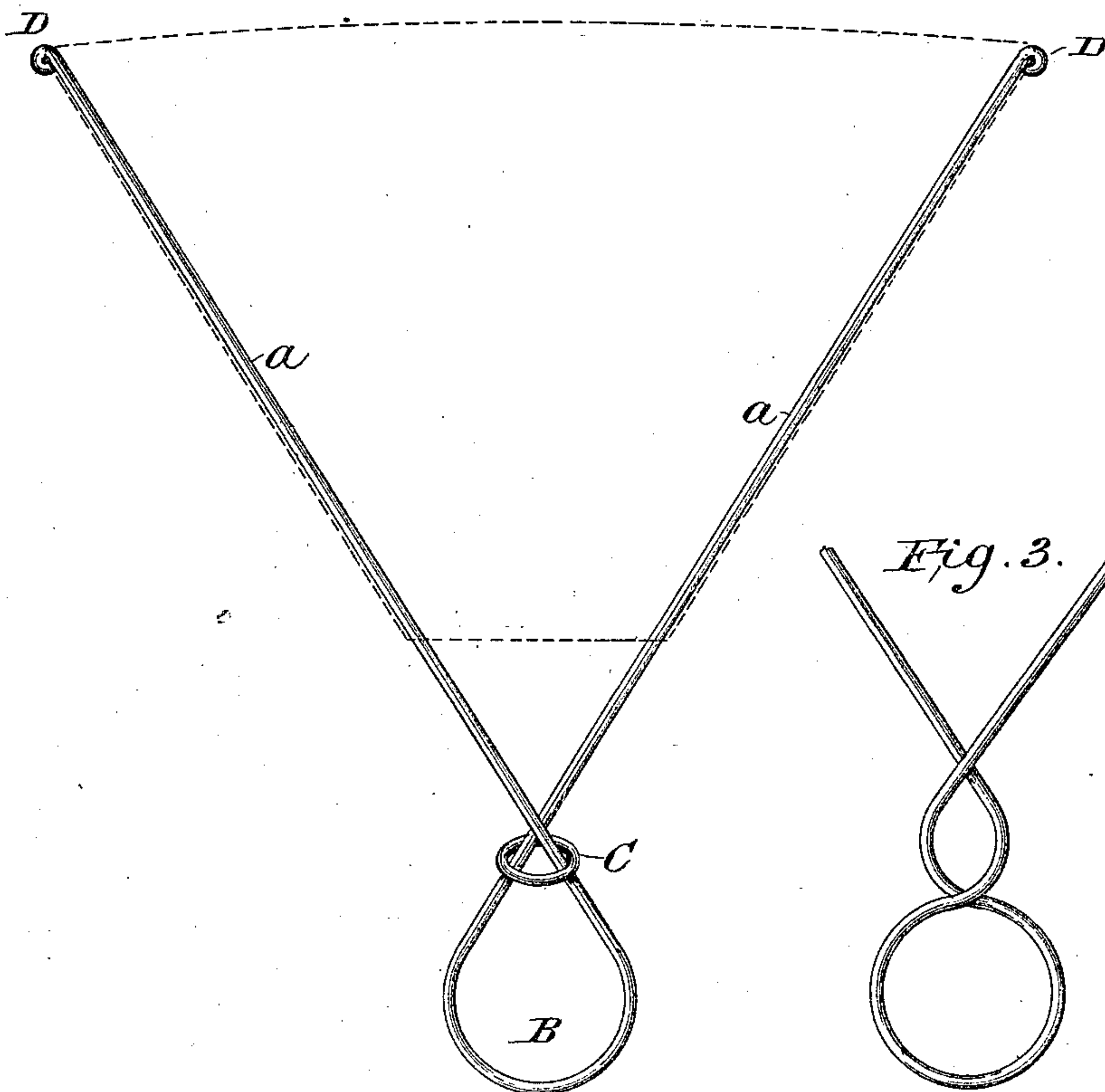


Fig. 3.

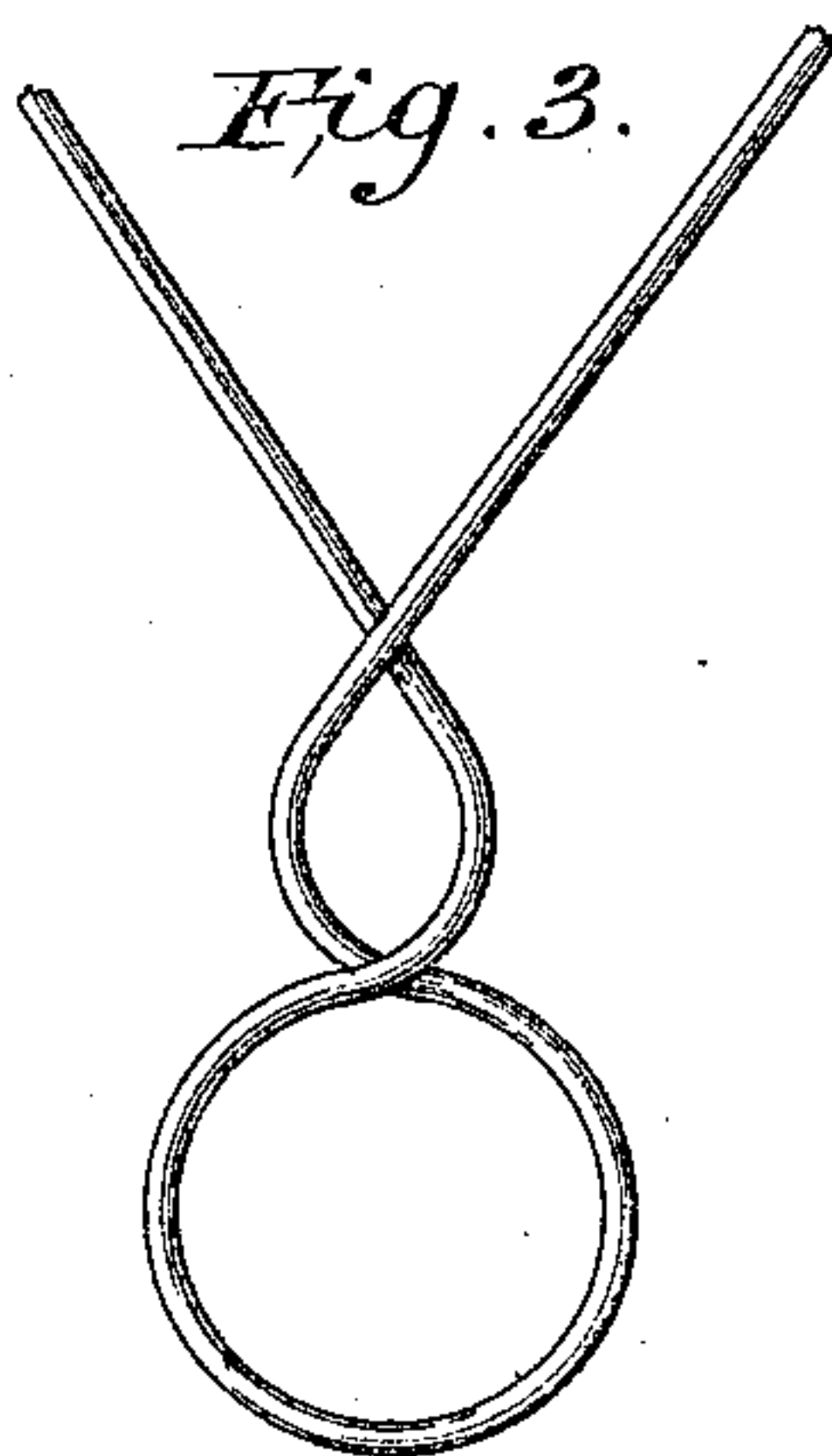
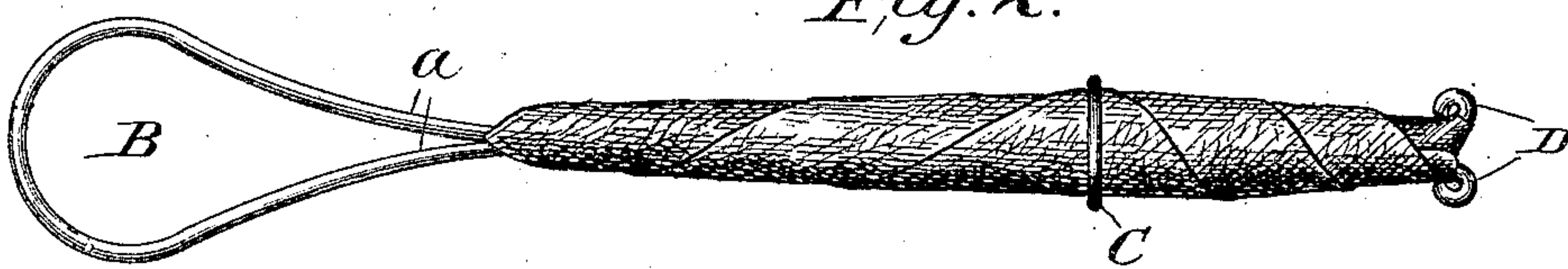


Fig. 2.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

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SPECIFICATION forming part of Letters Patent No. 429,884, dated June 10, 1890.

Application filed February 20, 1890. Serial No. 341,242. (No model.)

To all whom it may concern:

Be it known that I, HORACE S. CARLEY, a citizen of the United States, residing in the city, county, and State of New York, have invented a new and useful Fan, of which the following is a specification.

My invention relates to an improvement in fans by using a spring-wire frame bent so that a spring will be formed to cause the holding rods or arms to spread apart, causing the fabric attached thereto to become taut, presenting a surface similar to other fans, and by springing or pressing the two arms together and rolling the fabric around them, securing the same by means of a ring, makes it convenient to carry in the pocket. I attain these objects by the mechanism illustrated in the accompanying drawings, in which is a representation of the fan open and closed; also, a drawing of double spring to be used, if desirable, instead of the single bend represented in the drawings. When the fan is closed by springing the two arms together, the fabric attached thereto may be wound around them, similar to rolling up a parachute. The ring is then slipped up, holding the same secure, and to prevent them from flying open on opening the fan slip the ring down to the spring on frame. The fan

will then fly open and remain so from the pressure of the spring. The fabric may be attached to frame by means of glue, paste, or sewing the same.

Figure 1 represents the fan open, showing the bend in the wire to obtain the spring in same. Fig. 2 represents the fan closed. Fig. 3 represents a double-spring handle to be used instead of the single-spring handle shown in Fig. 1.

Similar letters refer to similar parts throughout the views.

A is the wire frame; B, the spring in the same; C, the ring to be slipped up when the fan is closed; D, the ends of the wire frame, turned so as to prevent the ring sliding off from top of fan.

What I do claim as my invention, and desire to secure by Letters Patent, is—

The combination, in a fan, of a frame A, made of wire or other suitable material bent so as to form the spring and handle B, having the sheet of fabric secured thereto, the ring C, and the bends D D at end of frame, all substantially as set forth.

HORACE S. CARLEY.

Witnesses:

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W. J. PORTER, Jr.