

(No Model.)

2 Sheets—Sheet 1.

M. RUBIN.
FAN.

No. 519,554.

Patented May 8, 1894.

Fig 1.

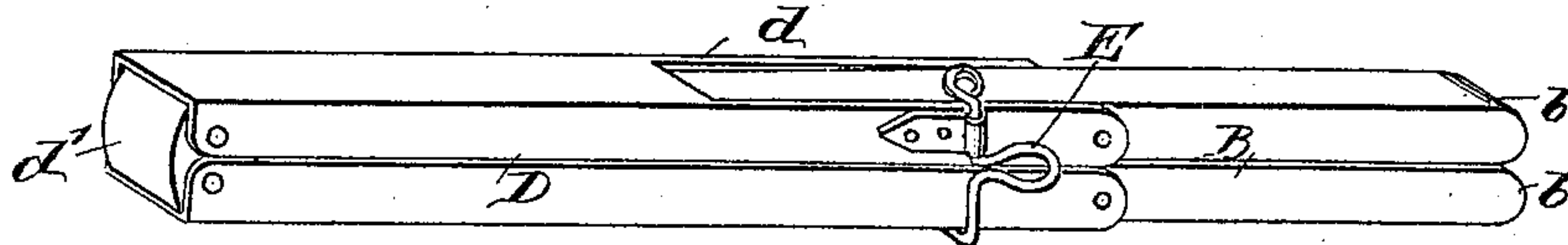


Fig 2.

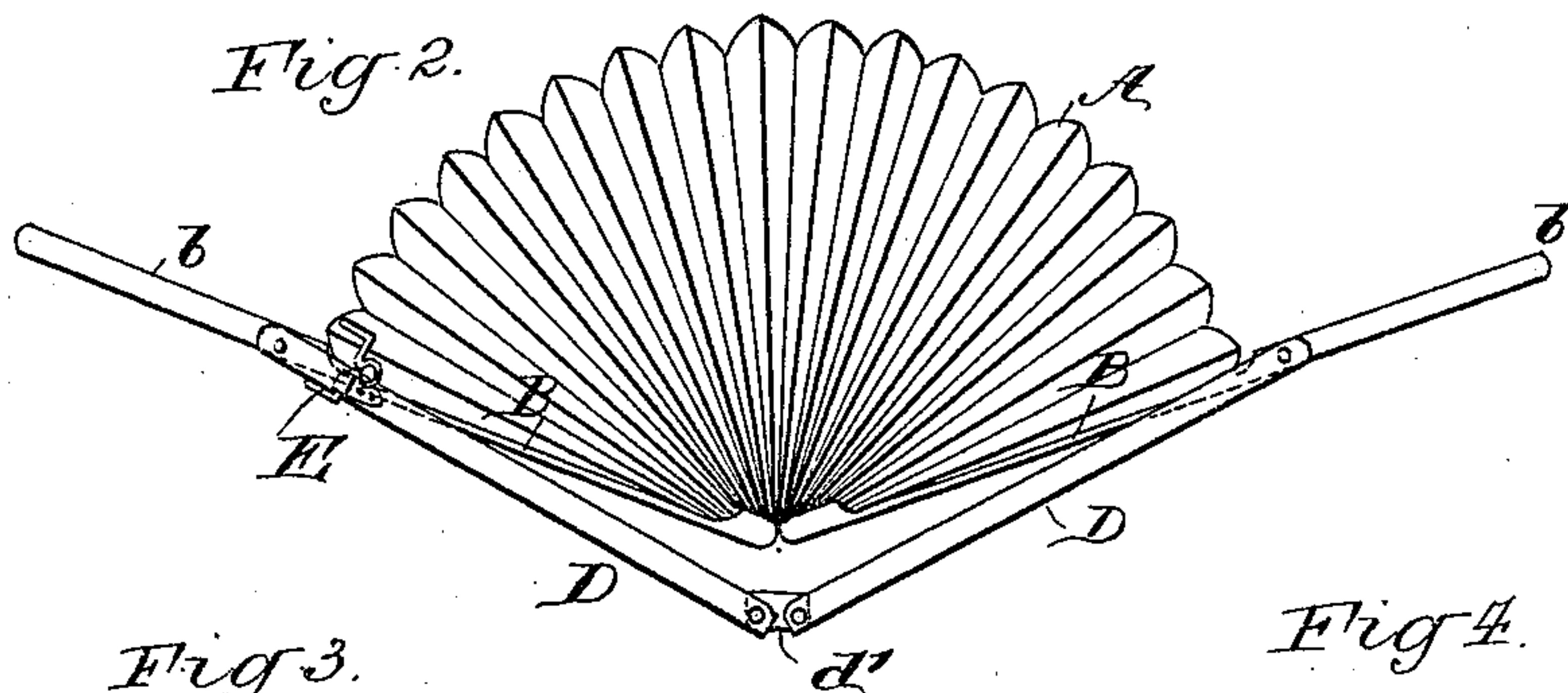


Fig 3.

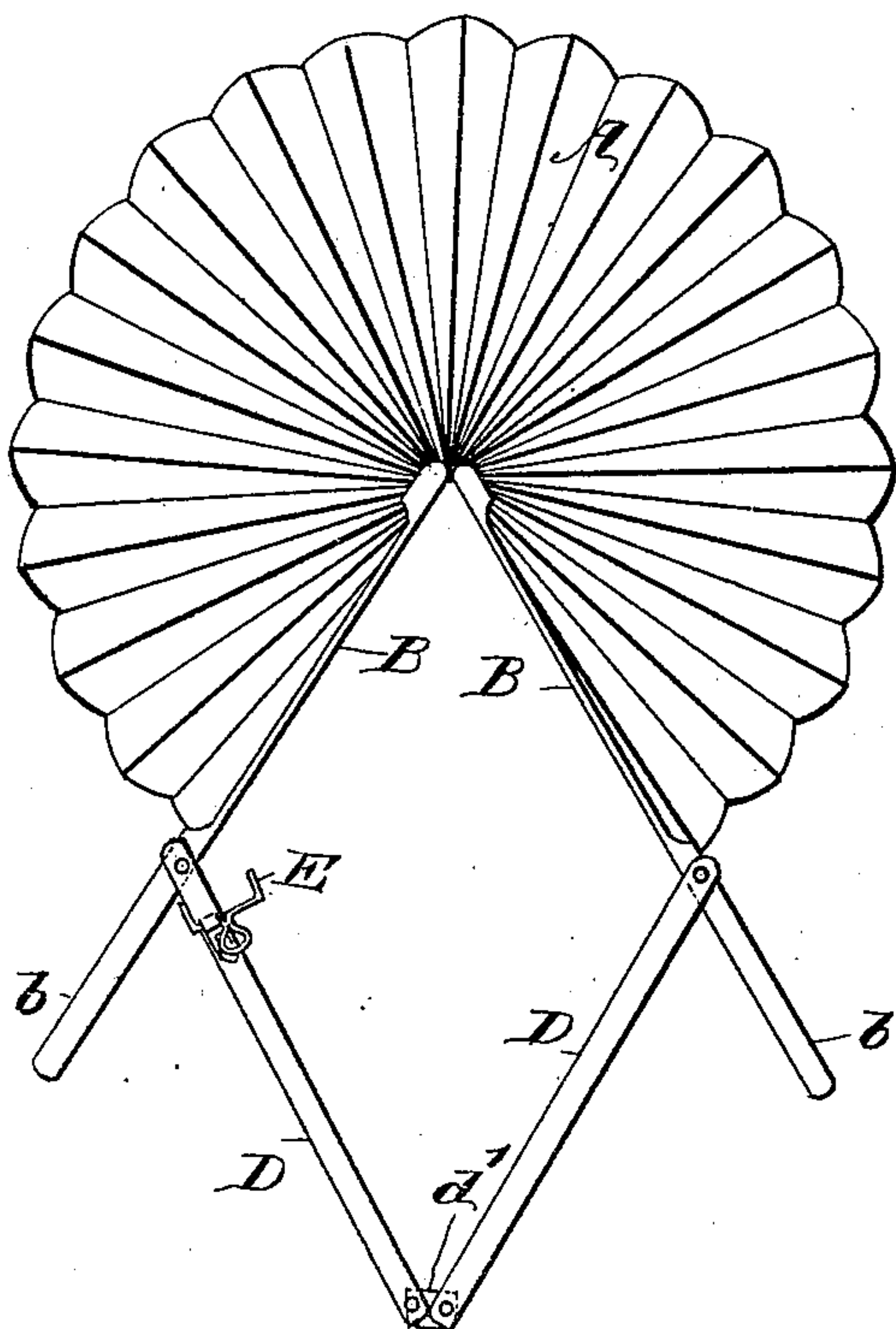
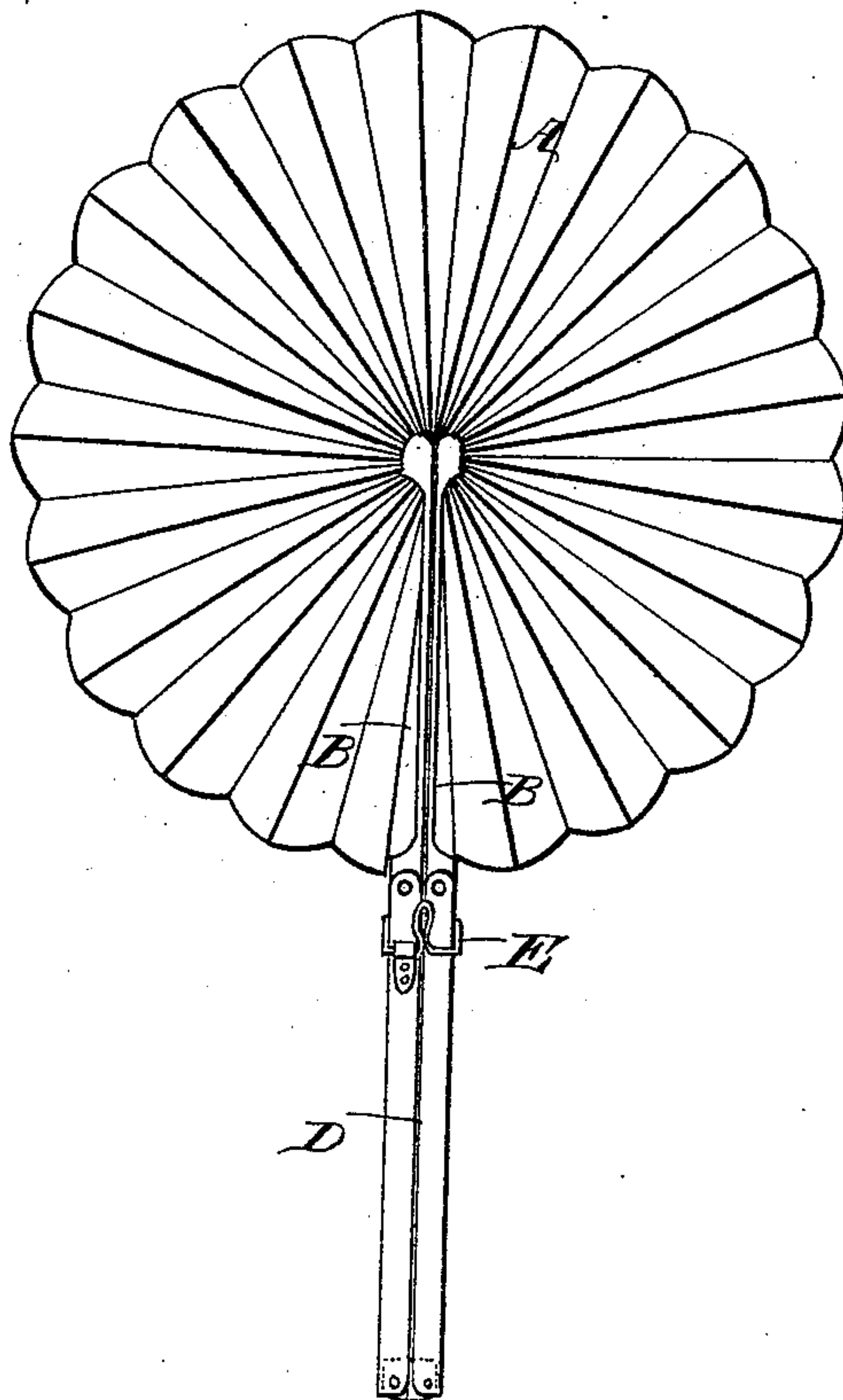


Fig 4.



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Fig. 5.

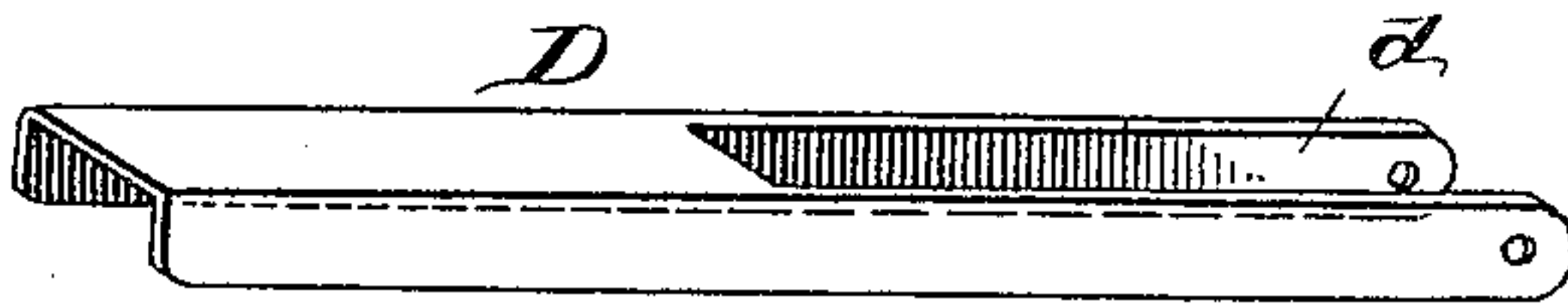


Fig. 6.

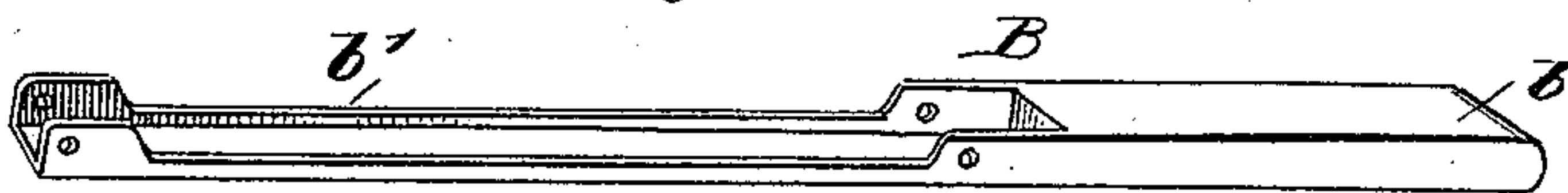
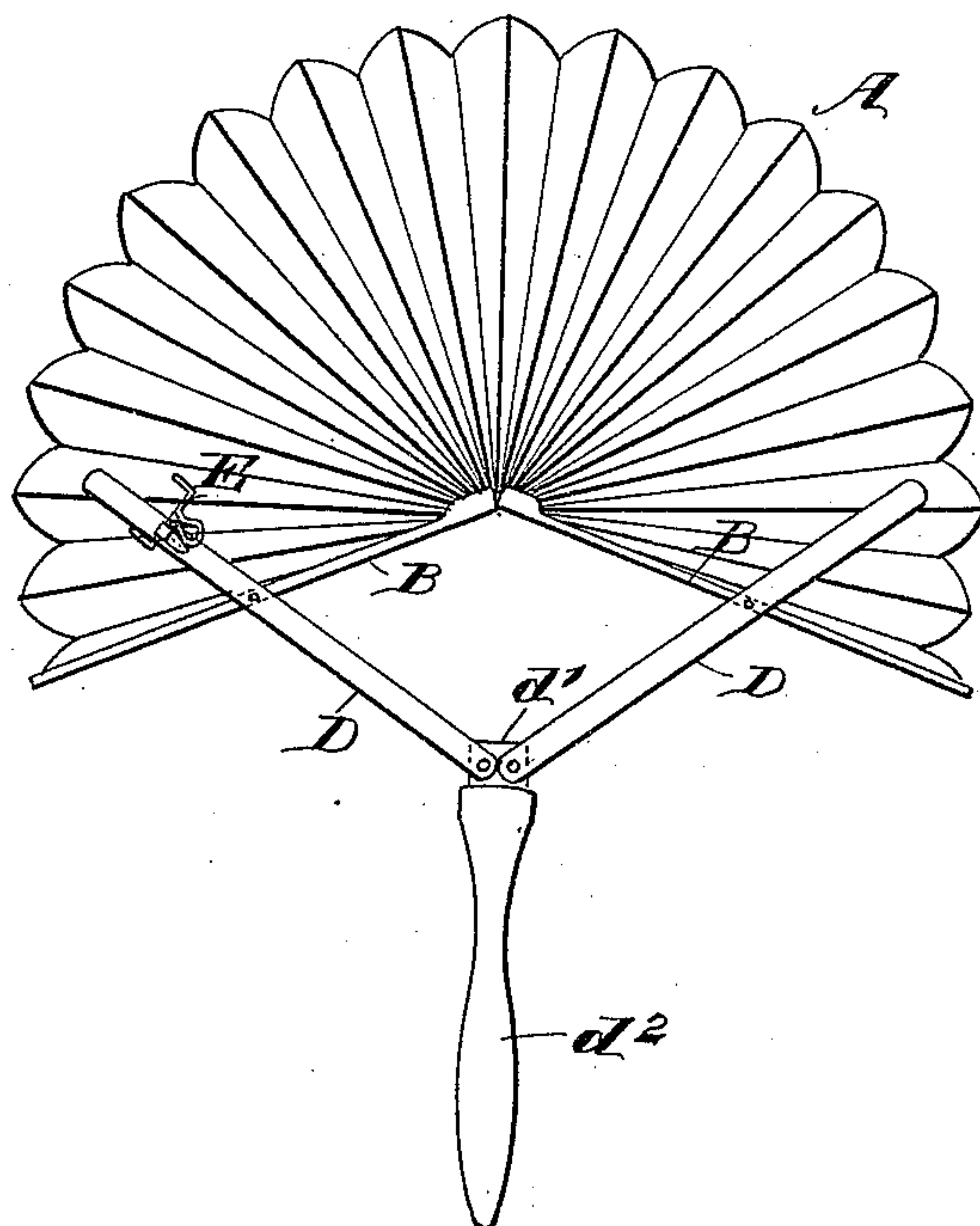


Fig. 7.



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UNITED STATES PATENT OFFICE.

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SPECIFICATION forming part of Letters Patent No. 519,554, dated May 8, 1894.

Application filed January 4, 1894. Serial No. 495,576. (No model.)

To all whom it may concern:

Be it known that I, MAX RUBIN, of New York city, in the county and State of New York, have invented a new and useful Improvement in Fans, of which the following is full, clear, and exact description.

My invention relates to an improvement in fans, and especially to an improvement in pocket fans, and it has for its object to provide a fan which when folded will occupy but little space, and which may be opened in a convenient and expeditious manner.

A further object of the invention is to so construct the fan that the body thereof will be secured to retaining arms adapted to be manipulated in the opening and closing of the fan, and whereby a handle will be pivotally attached to the retaining arms, capable when desired of being constructed to serve as a receiving arm or arms, receiving the fan and body and its retaining arms.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding part in all the figures.

Figure 1 is a perspective view of the fan folded. Fig. 2 is a side elevation thereof, partially open. Fig. 3 is a side elevation representing the fan as almost entirely open. Fig. 4 is a side elevation of the fan opened to its fullest extent and locked in its open position. Fig. 5 is a detail view of one of the receiving arms, which likewise serves as a handle. Fig. 6 is a perspective view of one of the retaining arms; and Fig. 7 is a side elevation of a slightly modified form of the fan.

The body A of the fan may be constructed in the usual manner, or in any manner applicable to the body portion of a folding pocket fan. In connection with the body A of the fan two retaining arms B are employed, one of which is shown in detail in Fig. 6. These retaining arms are preferably made somewhat U-shaped in cross section throughout a portion of their length, the U shape extending from one end a predetermined distance beyond the center of the arm, the opposite

end being solid, and the solid portion of the retaining arms is designated in the drawings as *b*. It will be understood that the side flanges *b'* of that portion of the retaining arms U-shaped in cross section may be as narrow as in practice may be found possible; in fact, the flanges are primarily intended for strengthening purposes. The retaining arms B, are located at what may be termed the under side of the fan body when the said body is in segmental form, as shown in Fig. 2, and the body of the fan is secured at each side of its center to the inner or channeled face of the retaining arms, the solid portions of the arms extending beyond the peripheral surface of the body. The attachment of the body to the retaining arms may be effected through the medium of rivets, cement, or any approved form of fastening device or devices, and the inner ends of the retaining arms may be pivotally connected, or they may be simply attached to the body, one at each side of its center.

In the preferred form of the fan, or that shown in Figs. 1, 2, 3 and 4, receiving arms D, are used in connection with the retaining arms. These receiving arms are also made preferably somewhat U-shaped in cross section, and are provided at what may be termed their upper ends with an opening *d*, extending through from one face to the other, and at this point the said arms consist only of parallel side pieces. The receiving arms D, at their open ends, are pivotally connected with the retaining arms B, at a point upon said retaining arms at or near their attachment to the peripheral portion of the body of the fan; and when the receiving arms D are employed, they are pivotally connected at their opposite or lower ends to the block *d'*, or its equivalent.

When the fan is folded the body of the fan is compressed between the retaining arms, and the receiving arms D, receive between or within them both the retaining arms and body of the fan; and the flanged or side portions of the receiving arms are preferably of such width that when these portions of the two arms meet they will entirely conceal the body of the fan and the retaining arms, the projecting ends of the retaining arms only being visible at the opening *d* in the receiving

arms, as shown in Fig. 1, and the fan, when so constructed is of exceedingly neat appearance, and may be carried in the pocket or in any desired receptacle, taking up at such time comparatively but little room.

When the fan is in its closed position the parts are held in contact with one another, or in closed position, through the medium of a latch E, of any approved construction, which is preferably located upon one of the receiving arms, and is provided with extensions adapted to receive between them and hold in clamping engagement the visible portions of the retaining arms appearing at the openings in the receiving arms. In opening the fan the latch is disengaged from the receiving arms, and the projecting ends of the said arms are grasped by the fingers of both hands, and are carried downward in a manner to bring the retaining arms back to back, whereupon the receiving arms will automatically assume a like position, and will form a handle, the parts being held in their open position by the same latch E engaging likewise the projecting portions of the receiving arms.

In Fig. 7 I have illustrated a slightly modified form of fan, the only difference in construction being that the retaining arms are carried to a slight distance, if any distance at all, beyond the peripheral edge of the body, while the receiving arms are pivoted between their centers and upper ends to a corresponding portion of the retaining arms, and the block d' to which the receiving arms are pivoted, is provided with a handle extension d^2 .

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. In a folding or pocket fan, a folding body, retaining arms secured to the body and adapted to fold with it, and receiving arms connected with one another and with the retaining arms, substantially as shown and described.

2. In a folding or pocket fan, a folding body, retaining arms secured to one edge of the body, extending from a point centrally of the body outward in opposite directions and adapted to fold with the body, receiving arms attached one to each retaining arm and connected one with the other, the said receiving arms being adapted for the reception of the retaining arms, and a locking device adapted to engage both sets of arms, substantially as shown and described.

3. In a folding or pocket fan, the combination, with a folding body, and retaining arms secured to one edge of the body, extending from a point centrally of the body outward in opposite directions beyond the periphery of the body, of receiving arms consisting of parallel members bridged for a portion of their length, the said receiving arms being pivotally attached one to each retaining arm and to one another, and a locking device, substantially as described, whereby the receiving arms constitute an envelope for the body when folded, and a handle when said body is opened, as set forth.

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Witnesses:

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