

M. RUBIN.
Fan.

No. 220,427.

Patented Oct. 7, 1879.

Fig. 1

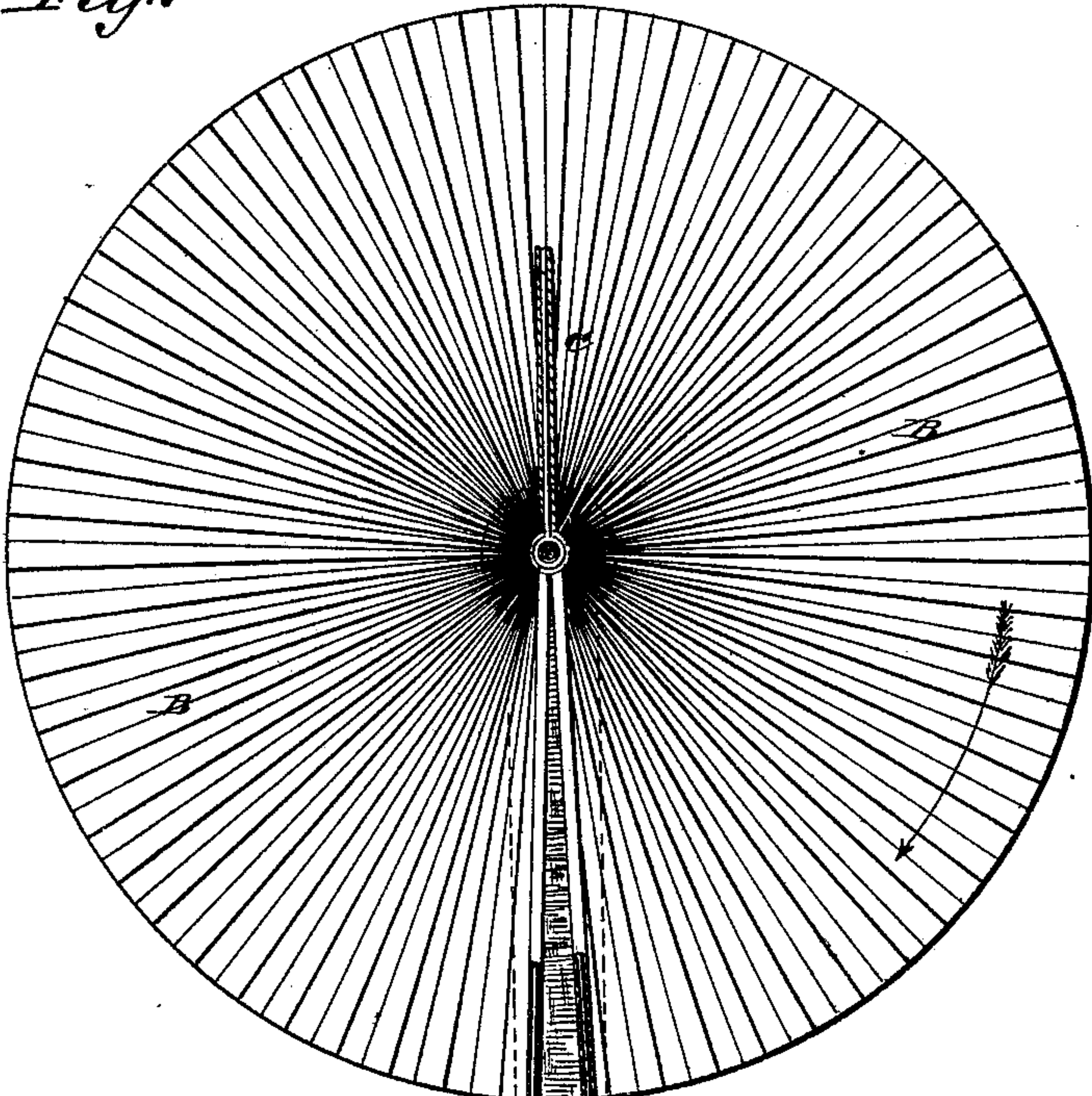


Fig. 2.

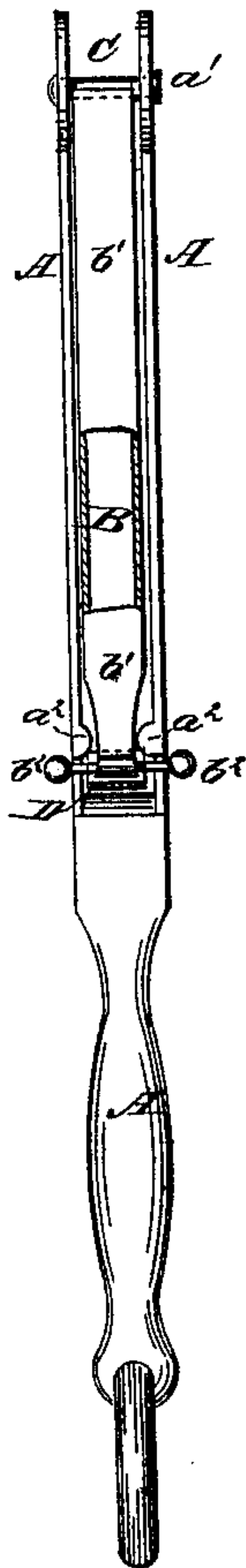


Fig. 3.

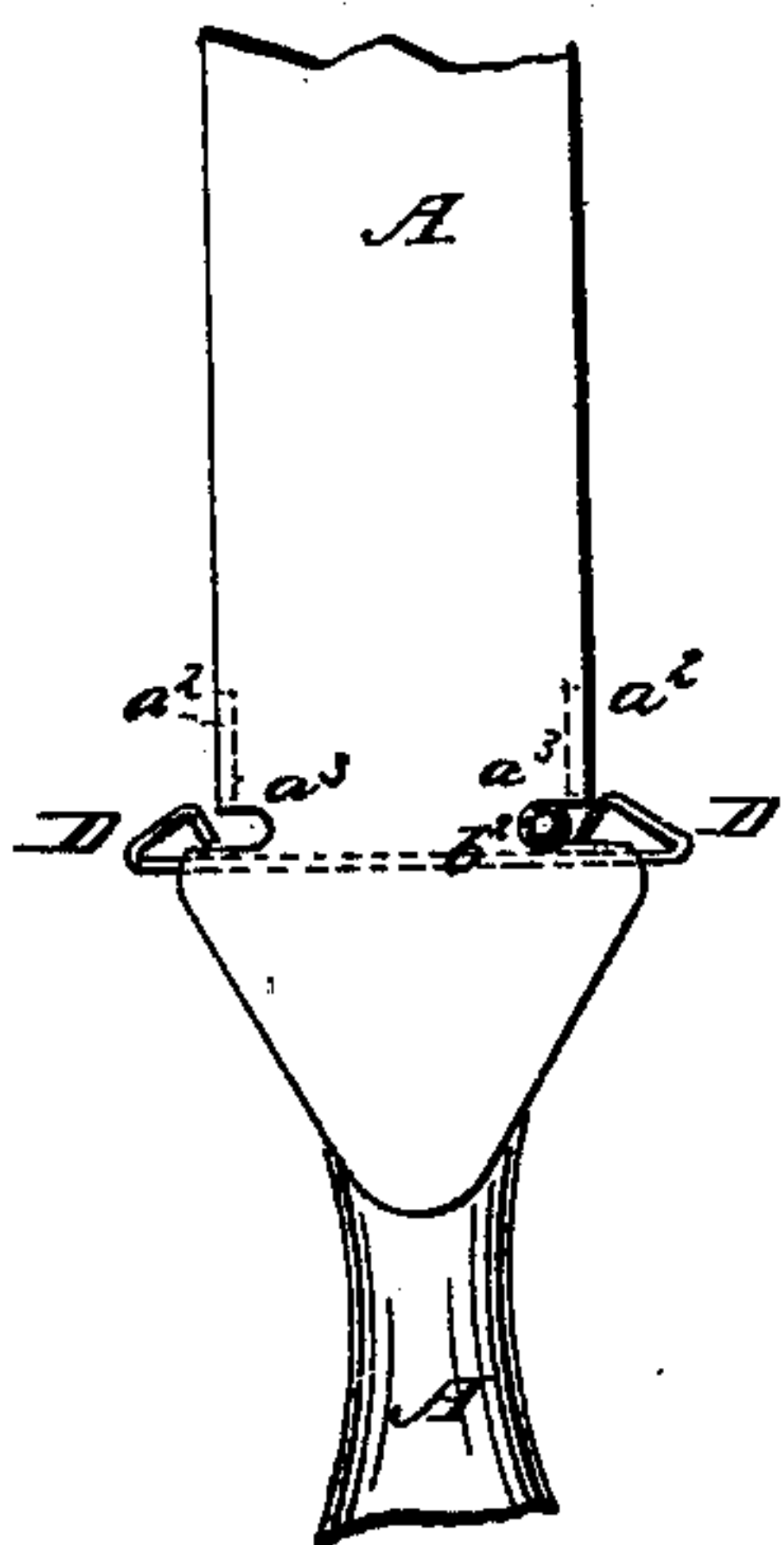
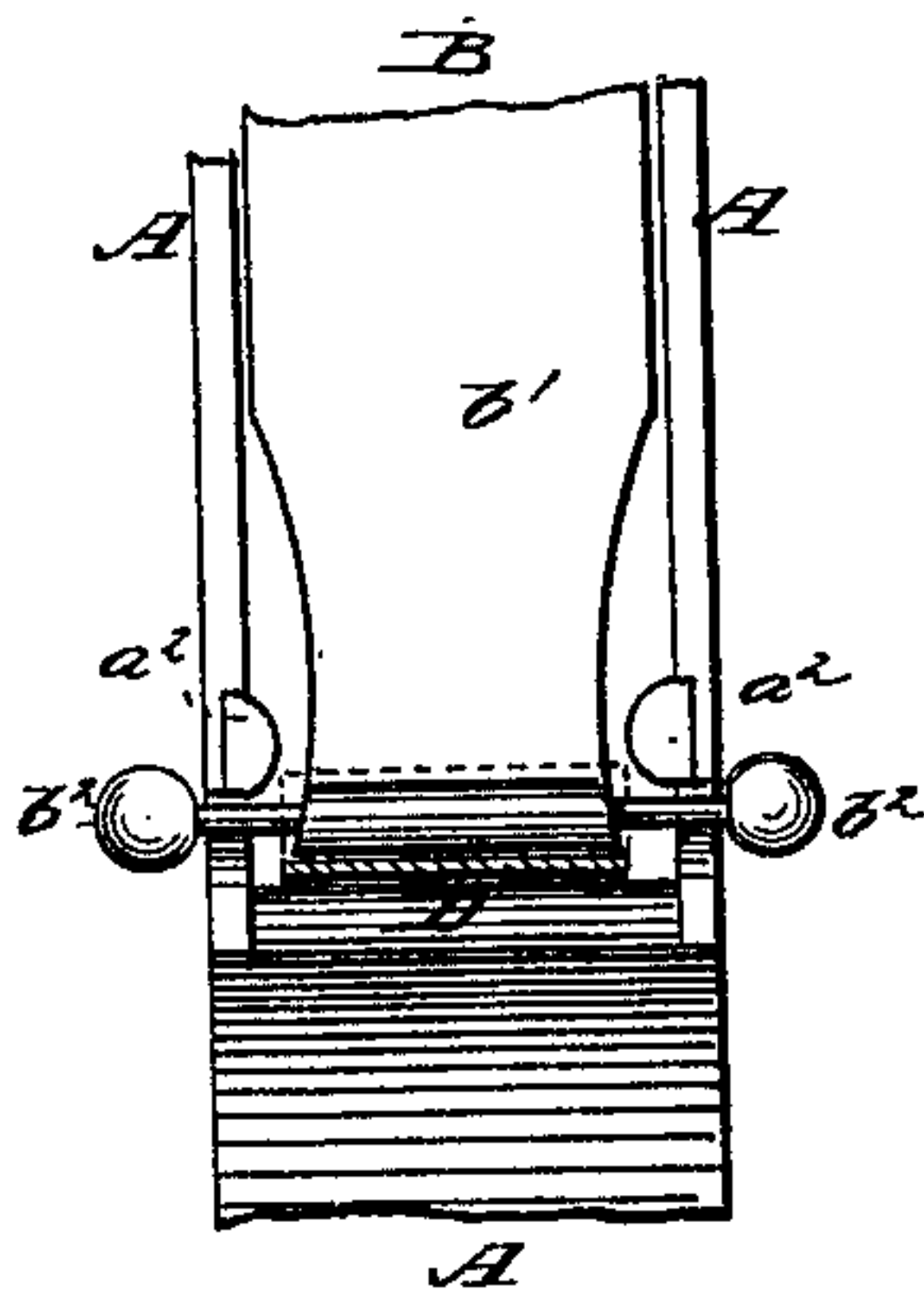


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE

MAX RÜBIN, OF NEW YORK, N. Y., ASSIGNOR TO LOUIS SANDERS, OF
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IMPROVEMENT IN FANS.

Specification forming part of Letters Patent No. **220,427**, dated October 7, 1879; application filed
August 27, 1879.

To all whom it may concern:

Be it known that I, MAX RÜBIN, of the city, county, and State of New York, have invented a new and Improved Fan, of which the following is a specification.

Figure 1 is a side view of my improved fan opened, part being broken away to show the construction. Fig. 2 is an edge view of the same closed. Figs. 3 and 4 are detail views of parts of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved fan of the kind that may be opened into circular form, which shall be so constructed that it may be closed into the space between the parts of the handle, and may be held securely in place both when opened and when closed.

The invention consists in the combination of the double spring-catch with the slotted handle and the cross-head formed upon the end of the side bar of the fan; in the lips formed upon the side edges of the arms of the slotted handle to serve as stops for the side bar of the fan to strike against; and in the notches formed in the edges of the arms of the slotted handle to receive the cross-head of the side bar of the fan to allow the said side bar to pass in between the arms of the said handle, as hereinafter fully described.

A represents the handle of the fan, the upper part of which has a slot formed in it of sufficient width to receive the folded fan B. The fan B is made of a strip of paper or other desired material, laid in plaits or folds of a width a little less than the width of the slot in the handle A. The last fold upon each side is strengthened by a bar or plate, b^1 , of metal or other suitable material.

The folds of the fan B are held together at one end by a cord or other suitable fastening passed through them, and between the ends of the middle folds is secured a thin strip or plate, C, of metal or other suitable material, the outer end of which projects and has an eye formed in it to receive the pin a^1 , attached to the arms of the handle A to form the pivot of the fan.

The free end of one of the side bars b^1 is made square, so that its corners may strike against lips a^2 , formed upon the edges of the arms of the handle A just above the base of its slot, to prevent it from passing out at either side of the said handle A.

The free end of the other side bar b^1 has its corners cut away slightly, so that it can pass the lips a^2 , is extended a little, and has a cross-head, b^2 , formed upon or attached to it, of such a length that its ends may project a little beyond the handle A, as shown in Figs. 2 and 4, so that they may be taken hold of in opening and closing the fan.

The cross-head b^2 enters notches a^3 in the edges of the parts of the handle, as shown in the drawings, so that the said side bar may pass in between the said arms upon each side.

The cross-head b^2 is held in position at either side of the handle A by a double spring-catch, D, attached at its center to the handle A at the bottom of its slot, as shown in Fig. 1.

The bottom of the slot in the handle A is inclined or rounded off, as shown in Fig. 1, to allow the spring-catch D to be sprung down a little to release the cross-head b^2 .

In using the fan it is opened by taking hold of the ends of the cross-head b^2 with the thumb and finger pressing down the spring-catch D, and carrying the said cross-head b^2 around to the other side of the handle A, and pressing it into the notches a^3 , the other bar b^1 at the same time moving over to the other side of the handle A until it rests against the other pair of lips a^2 .

The fan is closed by exactly the same movement, the inner side bar b^1 vibrating between the two pairs of lips a^2 , as the fan is opened and closed, but never passing out of the slot in the handle A.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the double spring-catch D with the slotted handle A and the cross-head b^2 , formed upon the end of the side bar of the fan B, substantially as herein shown and described.

2. The lips a^2 , formed upon the side edges of the arms of the slotted handle A to serve as stops for the side bar b^1 of the fan B to strike against, substantially as herein shown and described.

3. The notches a^3 , formed in the slotted handle A to receive the cross-head b^2 of the side bar b^1 of the fan B, to allow the said side bar

to pass in between the arms of the said handle, substantially as herein shown and described.

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Witnesses:

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C. SEDGWICK.