

(No Model.)

E. W. & J. F. SNOW.
FAN.

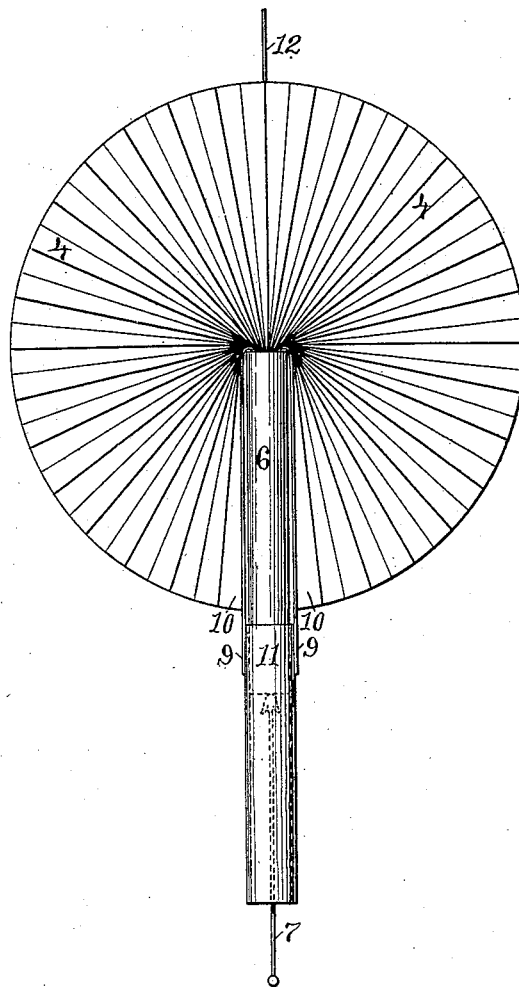
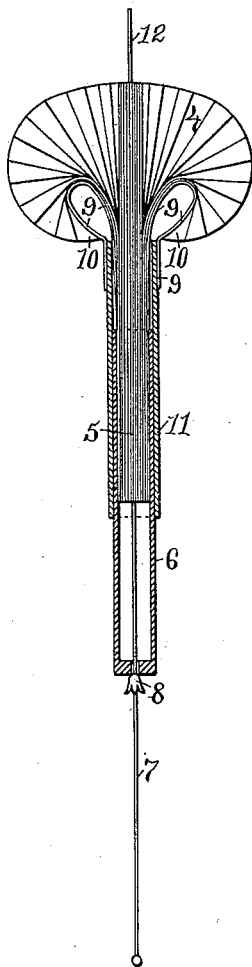
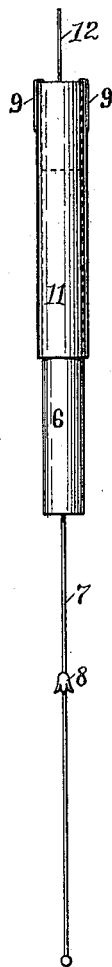
No. 421,626.

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Fig. 1.

Fig. 2.

Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELMER W. SNOW AND J. FRANK SNOW, OF PAWTUCKET, RHODE ISLAND.

FAN.

SPECIFICATION forming part of Letters Patent No. 421,626, dated February 18, 1890.

Application filed April 12, 1889. Serial No. 306,989. (No model.)

To all whom it may concern:

Be it known that we, ELMER W. SNOW and J. FRANK SNOW, both of the city of Pawtucket, in the county of Providence and State of Rhode Island, have jointly invented certain new and useful Improvements in Fans, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to an improvement in the class of fans contained in a tubular holder, from which the same can be withdrawn and automatically expanded; and it consists in the peculiar and novel construction of the holder and operative connection with the fan, as will be more fully set forth hereinafter.

Figure 1 is a view of the improved fan, showing the relative positions of the parts when the fan proper is drawn into the handle. Fig. 2 is a sectional view showing the relative position of the parts when the fan proper is partly drawn out. Fig. 3 is a view showing the fan expanded.

In the drawings similar numbers of reference designate corresponding parts throughout.

Referring to the drawings, the number 4 indicates the circular fan, consisting of any suitable material folded into narrow folds. The end 5 of this folded material is secured together by sewing or otherwise, and is placed into the tube 6. The cord 7 is secured to this end 5 and extends beyond the end of the tube 6. It is provided with the stop 8. To the outside folds 10 of the fabric, forming when extended the circular fan 4, are secured the tapes 9, and the ends of the tapes 9 are secured to the cylindrical sleeve 11. The piece of tape 12, pro-

jecting from the upper end of the fan 4, is used to draw the fan from the tube 6.

The operation of the fan to withdraw and extend the same for use is as follows: Holding with one hand the sleeve 11 and pulling on the tape or string 12, the fan is drawn out of the tube 6 until the stop 8 comes into contact with the end of the said tube. At this time the relative position of the parts is as shown in Fig. 2. The tube 6 is now drawn upward through the sleeve 11, while the tapes 9, secured to the sleeve 11, hold the edges 10 until the fan 4 assumes the circular form as shown in Fig. 3, when the sleeve 11 forms a convenient handle and the tube 6 a rigid support extending to the center of the fan. The fan is drawn into the tube 6 by pulling on the cord 7 until the whole assumes the relative positions shown in Fig. 1.

By this construction a strong useful fan is produced, which can be conveniently disposed of and occupying less space than fans of equal area, as heretofore constructed.

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

The circular fan consisting of the folded material 4, the outer edges provided with the tapes 9, secured to the sleeve 11, the open-ended sleeve 11, the tube 6, the cord 7, provided with the stop 8, and the tape 12, constructed to draw the fan from the holder, and the holder above the sleeve in opening the fan and the holder below the sleeve in closing the fan, as described.

ELMER W. SNOW.
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Witnesses:

M. F. BLIGH,
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