

(No Model.)

J. B. BAERMANN.

FAN.

No. 382,205.

Patented May 1. 1888.

Fig. 1.

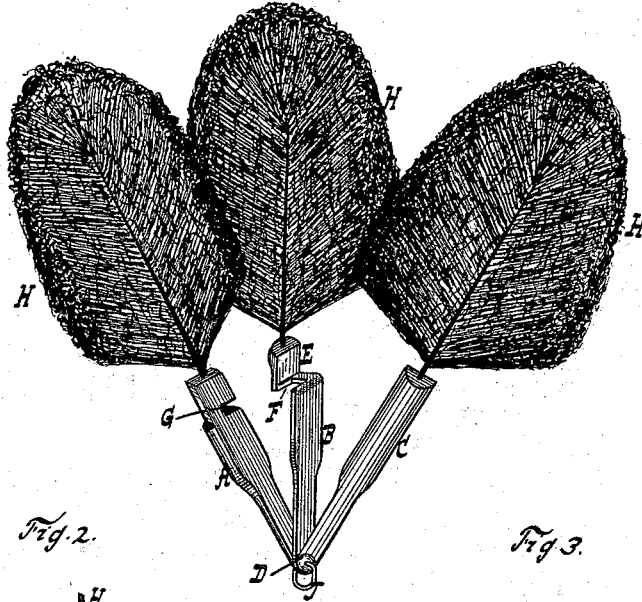


Fig. 2.

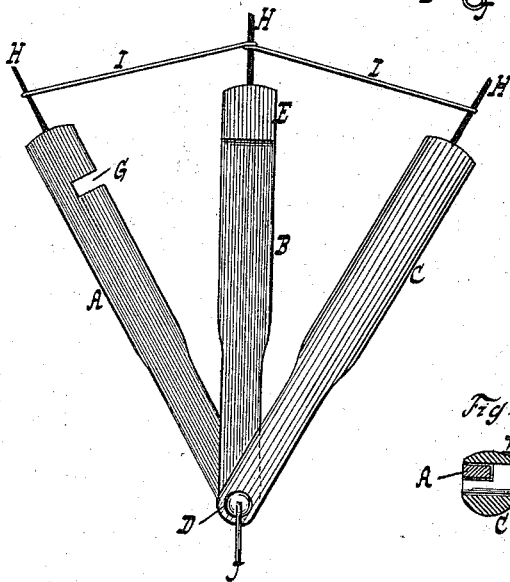


Fig. 3.

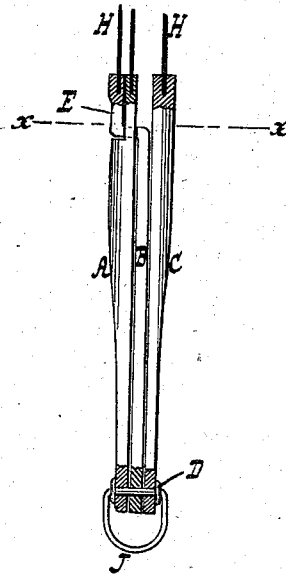
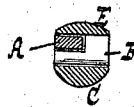


Fig. 4.



WITNESSES:

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SPECIFICATION forming part of Letters Patent No. 382,205, dated May 1, 1888.

Application filed November 12, 1887. Serial No. 254,986. (No model.)

To all whom it may concern:

Be it known that I, JACOB B. BAERMANN, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Fans, of which the following is a specification.

This invention relates to improvements in fans, and by means of this invention a folding feather fan can be manufactured, as set forth in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a fan. Fig. 2 is a front view of a fan opened, parts being broken away. Fig. 3 is an edge view of Fig. 2, the fan being closed. Fig. 4 is a section in the plane *x x*, Fig. 3.

Similar letters indicate corresponding parts. In the drawings, the letters A B C indicate folding arms. A pivot or joint, D, connecting the arms, enables said arms to fold or swing. The arm B is shown as having an offset, E. By having the offset E provided with a recess, F, and the arm A provided with a recess, G, said arms A B are enabled to be folded closely or snugly together, as seen in Figs. 3 and 4.

The arms A B C support the stems or quills of feathers H. As the vanes of the feathers occupy some space, and are very tender and easily broken, bent, or spoiled, the feathers must be so arranged that when the fan is folded or unfolded the vanes of the several feathers will glide past one another and not interlock or strike against one another. By providing the offset E the arms A B C can be so arranged that the feathers H rest sufficiently far apart to prevent the vanes of the feathers interlocking or striking against one another when the fan is folded or unfolded.

In Fig. 3, where the fan is shown folded or closed, the feathers H are seen to rest sufficiently far apart to prevent injury to the feathers or to their vanes.

A retaining cord or connection, I, suitably applied, prevents unfolding or opening of the fan to an excessive degree. A loop, J, is shown connected to the pivot D, said loop J furnish-

ing convenient means for suspending or attaching the fan to any suitable support or to the person of the user.

By forming the folding arms A B C so that the feathers secured in said arms do not injure one another during the folding and unfolding of the fan, folding feather fans can be readily and successfully manufactured and used.

In the drawings the fan is shown as having three arms; but, if desired, the number of arms may be increased or diminished.

By having the offset E on the central arm, B, the feather of said arm will be caused to rest behind the feathers of the arms A C when the fan is viewed as seen in Fig. 1. Said fan will thereby be given a symmetrical appearance, as the feathers of the arms A C both occupy a position in front of the central feather.

The feathers employed for the fan may be natural or artificial feathers, or any suitable imitation or equivalent of feathers, such as artificial leaves or artificial flowers.

What I claim as new, and desire to secure by Letters Patent, is—

1. A folding fan composed of a series of folding arms, one of said arms being provided at its free end with a recessed offset adapted to receive one of the other of said arms when folded, a feather secured to said offset, and a feather secured to each of the other arms, substantially as described.

2. A folding fan composed of a series of folding arms, one of said arms being provided at its free end with a recessed offset, and another of said arms being provided with a recess made to correspond with the recess of said offset, a feather secured to said offset, and a feather secured to the free end of each of the other arms, substantially as set forth.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

JACOB B. BAERMANN. [L. s.]

Witnesses:

W. C. HAUFF,

E. F. KASTENHUBER.