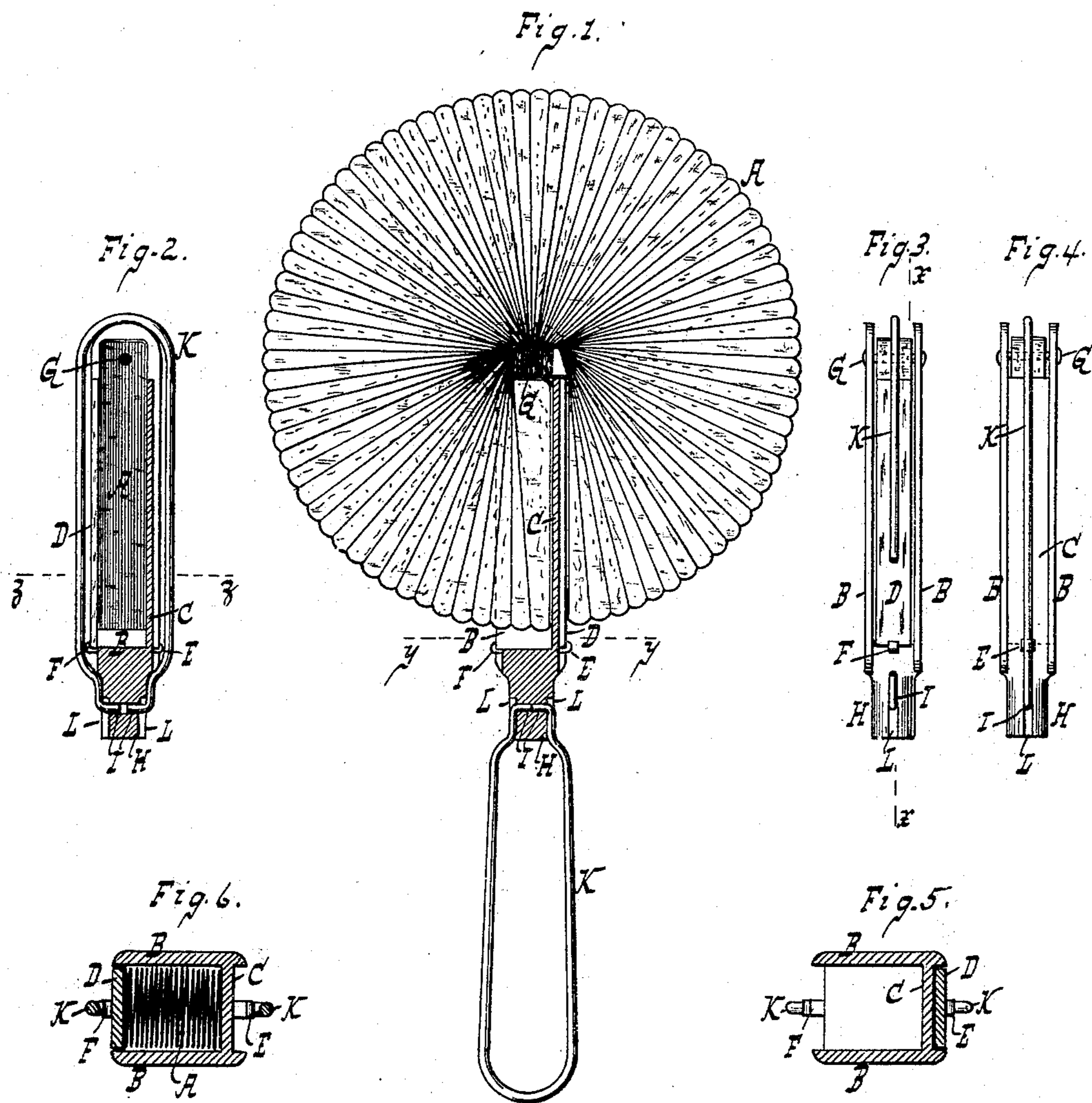


(No Model.)

S. H. BAER.
FAN.

No. 509,835.

Patented Nov. 28, 1893.



WITNESSES:

William Miller
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INVENTOR:

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UNITED STATES PATENT OFFICE.

SAMUEL H. BAER, OF BROOKLYN, NEW YORK.

FAN.

SPECIFICATION forming part of Letters Patent No. 509,835, dated November 28, 1893.

Application filed July 13, 1893. Serial No. 480,360. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL H. BAER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Fans, of which the following is a specification.

This invention relates to an improvement in fans and the invention consists in certain novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings in which—

Figure 1 is a face elevation of the fan opened and sectioned along $x x$ Fig. 3. Fig. 2 is a section similar to Fig. 1 the fan being closed. Fig. 3 is an edge elevation of Fig. 2. Fig. 4 is a view of the edge opposite to that exposed in Fig. 3. Fig. 5 is a section along $y y$ Fig. 1. Fig. 6 is a section along $z z$ Fig. 2.

In the drawings the letter A indicates a web which is adapted to fold or close into a box having three sides B B C fixedly closed so as to house the web when folded into the box. One fold of the web is glued or secured to the side C and to another fold of the web is glued or secured a box closing arm or stiffener D of wood, sheet metal or other suitable material. When the web is open as in Fig. 1 the arm D is held by a spring hook or catch E to keep the web open. When the web is folded into the box as in Fig. 2 the arm D forms a cover for the open side of the box so that the web is securely housed or inclosed, the arm D being held closed by a spring hook or catch F. A pivot or pin G extends through the box and web said pivot being shown symmetrically placed by being passed through the box centrally from the edges of such box. To the lower portion or stem H of the box are connected the ends I of a metallic loop K, said ends I forming pivots on which the loop K can be swung to an open position as in Fig. 1 to form a handle, the loop K being held in this position by a catch or lock suitably formed

as by grooves L in the stem K into which grooves the portion of the loop near the ends I can spring or snap so as to lock the handle or loop K in the position shown in Fig. 1. When the handle K is turned or swung with sufficient force it will clear the grooves L and when the web is closed and the handle or loop K swung over the box as in Fig. 2 said loop will serve to keep the web A folded or closed. The loop or handle K is readily looped or bent from wire or suitable spring metal and is given a tendency to cause its ends I to contract or approach one another so that said handle can properly snap or lock into the grooves L.

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

1. The combination with a box having a shank H, and a web adapted to fold into the box, of a folding handle pivoted to the shank of the box, and a catch for locking the handle to the box when the handle is in its folded position, substantially as described.

2. The combination with a box having a shank and provided along its sides with longitudinal grooves, and a web adapted to fold into the box, of a folding loop-shaped handle pivoted to the shank of the box and adapted to engage the grooves in the sides of the box when in its folded position, substantially as described.

3. The combination with a box of a web made to fold or swing into the box, a handle made to swing on the box, and a catch for locking the handle, said handle being looped so as to lie about the box when closed for holding the web in the box substantially as described.

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

SAMUEL H. BAER.

Witnesses:

WM. C. HAUFF,
E. F. KASTENHUBER.