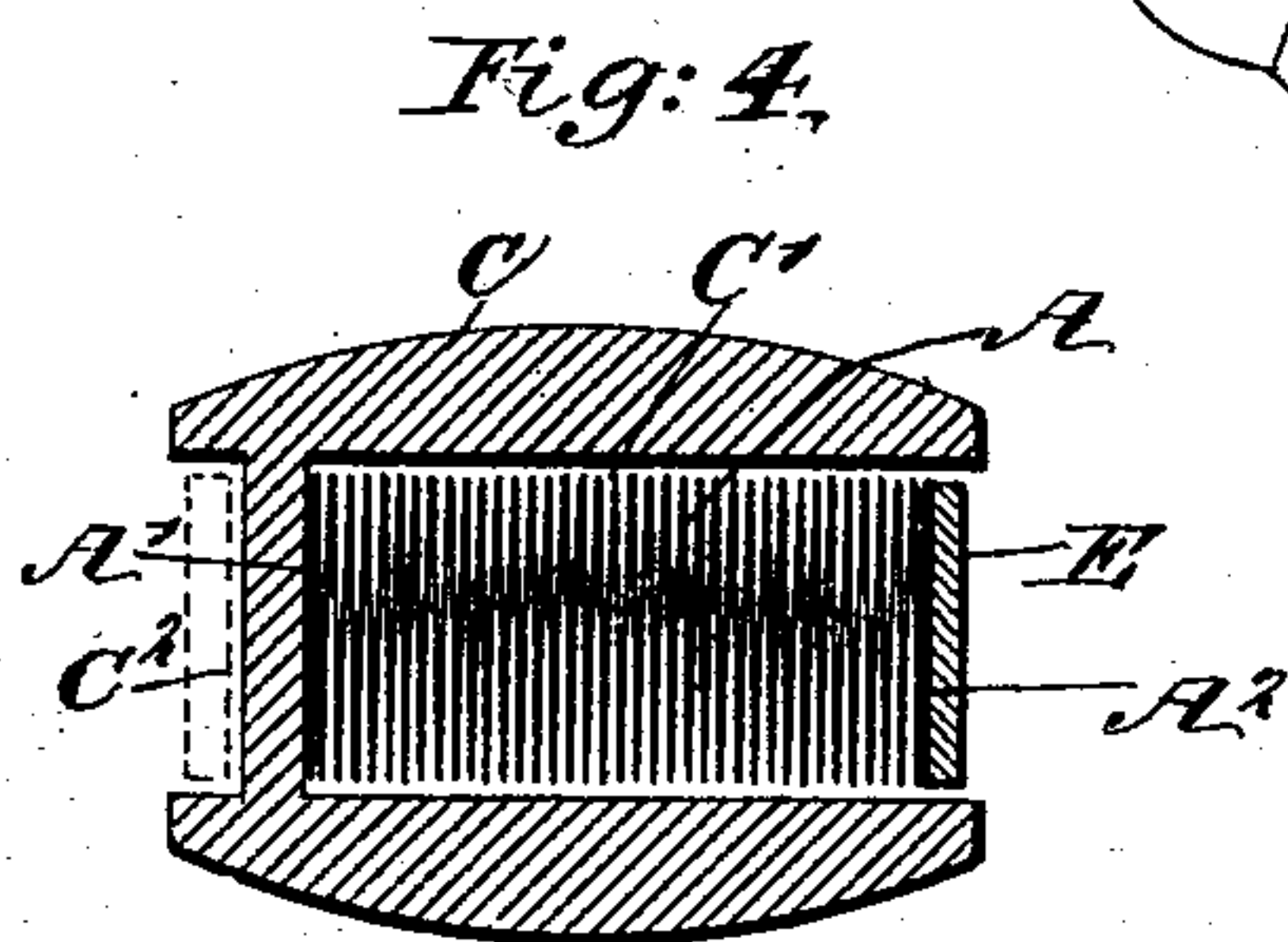
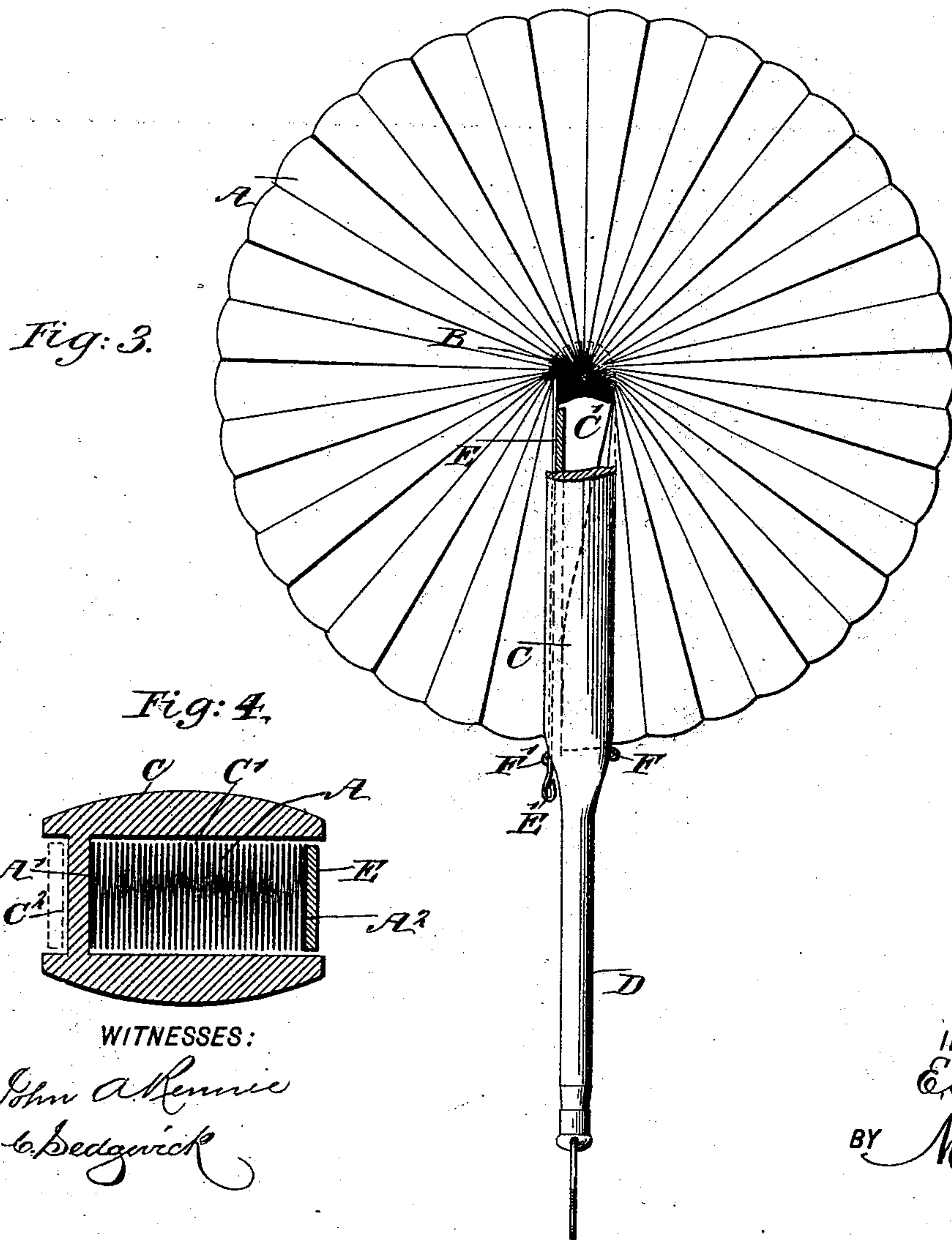
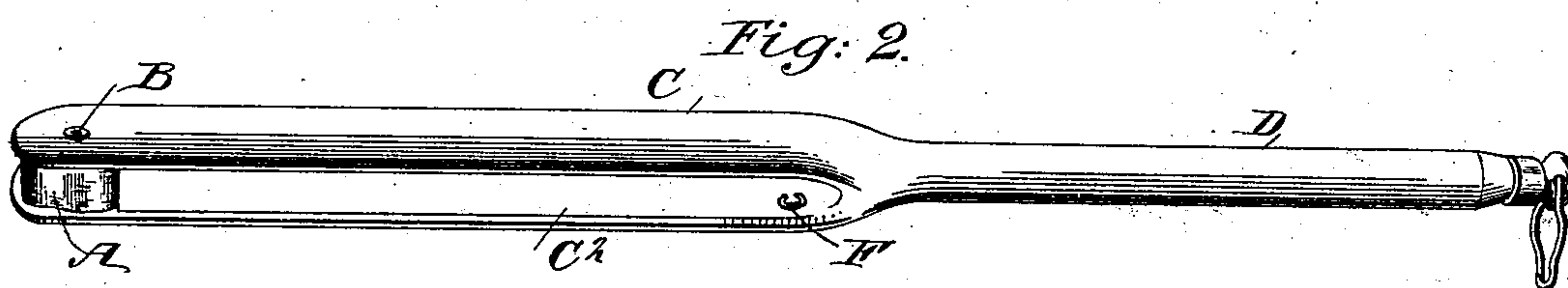
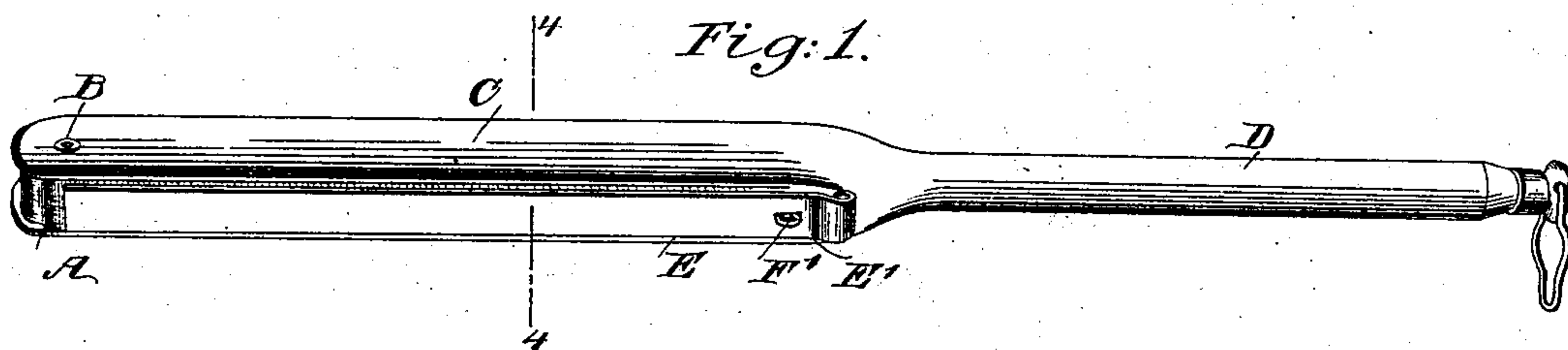


(No Model.)

E. ROSS.
FAN.

No. 509,249.

Patented Nov. 21, 1893.



WITNESSES:

John A. Rennie
C. Bedgarick

INVENTOR
E. Ross
BY Munn & Co
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD ROSS, OF BROOKLYN, ASSIGNOR TO SCHEUER & BROTHER, OF
NEW YORK, N. Y.

FAN.

SPECIFICATION forming part of Letters Patent No. 509,249, dated November 21, 1893.

Application filed June 22, 1893. Serial No. 478,471. (No model.)

To all whom it may concern:

Be it known that I, EDWARD ROSS, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Fan, of which the following is a full, clear, and exact description.

The invention relates to that class of fans having a folding web adapted to open in circular form.

10 The object of the invention is to provide a new and improved fan, which is simple and durable in construction, and arranged to be conveniently opened or closed and securely locked in either position.

15 The invention consists of certain parts and details, and combinations of the same, as will be hereinafter described and then pointed out in the claims.

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

25 Figure 1 is a front perspective view of the improvement with the web folded in the recessed handle. Fig. 2 is a rear perspective view of the same. Fig. 3 is a face view of the improvement with parts in section and the web extended; and Fig. 4 is an enlarged cross-section of the improvement on the line 4—4 of Fig. 1.

30 The improved fan is provided with a web A folded in the usual manner and connected with a pin B held in the outer end of the head C formed on the handle D. The head C is provided with a longitudinally-extending recess C' in which passes the web A when in a folded condition, as plainly indicated in Figs. 1, 2 and 3. One outer fold A' of the web A is secured to one of the walls of the recess C' preferably the back wall, as illustrated in Fig. 4, while the other fold A² is fastened to one face of a locking bar E adapted to close the opening of the recess C' at the time the web A is folded therein, and adapted to swing the web into an extended circular position, as illustrated in Fig. 3, to fit into a groove C² arranged on the back of the head C, as plainly shown in Fig. 3. When the locking bar E is over the opening of the recess C' then it is adapted to be locked in place in this position by a suitable catch F held on the head C, and

the said bar is also adapted to be locked in place when in the other position in the groove C² by a catch F' located opposite the catch F and likewise on the head C. The groove C² is sufficiently deep to permit the entrance of the bar E to prevent the same from projecting beyond the sides of the head C, the said bar being in a similar position when over the opening of the recess C', so that in neither position does the bar project beyond the sides of the head.

As illustrated in Figs. 1 and 3, the bar E is made somewhat longer than the fold A² to permit of an opening or other arrangement for the catches F and F' and also to form a curved or bent end E' adapted to be taken hold of by the operator when moving the bar from one position to the other in opening and closing the web A. It will be seen that by this construction the handle D is made solid and not made in two parts, as is the case in fans of this class as heretofore constructed. Consequently the fan has a neater appearance and its web can be easier opened or closed without changing the grip on the handle D. I do not limit myself to any special construction of catch or the material of which the handle, its head C, and the bar E are made.

The handle D, as well as the bar E, can be made of celluloid or other composition, aluminium or other metal, wood, leather, paper, cloth, pasteboard, or other suitable material, and the folding web can be manufactured of paper, cloth, silk or other suitable material capable of folding for the purpose described.

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

1. A fan of the class described, comprising a recessed handle carrying a pin at its outer end, a web engaging the said pin, fastened with one outer fold in the said recess and adapted to fold therein, and a locking bar attached to the other outer fold of the web and adapted to be passed over the said recess when folding the web therein, or on the back wall thereof when extending the web, substantially as shown and described.

2. In a fan of the class described, the combination with a handle provided with a head

having a longitudinal recess, a pin carried in the outer end of the said head, a folding web engaging the said pin and adapted to fold in the said recess, one outer fold of the said web
5 being attached to one of the walls of the said recess, and a locking bar attached to the other outer fold of the said web, substantially as shown and described.

3. In a fan of the class described, the combination with a handle provided with a head
10 having a longitudinal recess, a pin carried in the outer end of the said head, a folding web

engaging the said pin and adapted to fold in the said recess, one outer fold of the said web being attached to one of the walls of the said
15 recess, a locking bar attached to the other outer fold of the said web, and catches held on the said head and located on opposite sides thereof to lock the said bar in either position, as set forth.

EDWARD ROSS.

Witnesses:

THEO. G. HOSTER,
C. SEDGWICK.