

R. JACKSON.

Fan-Attachments for Sewing-Machines.

No. 143,015.

Patented September 23, 1873.

FIG. 1

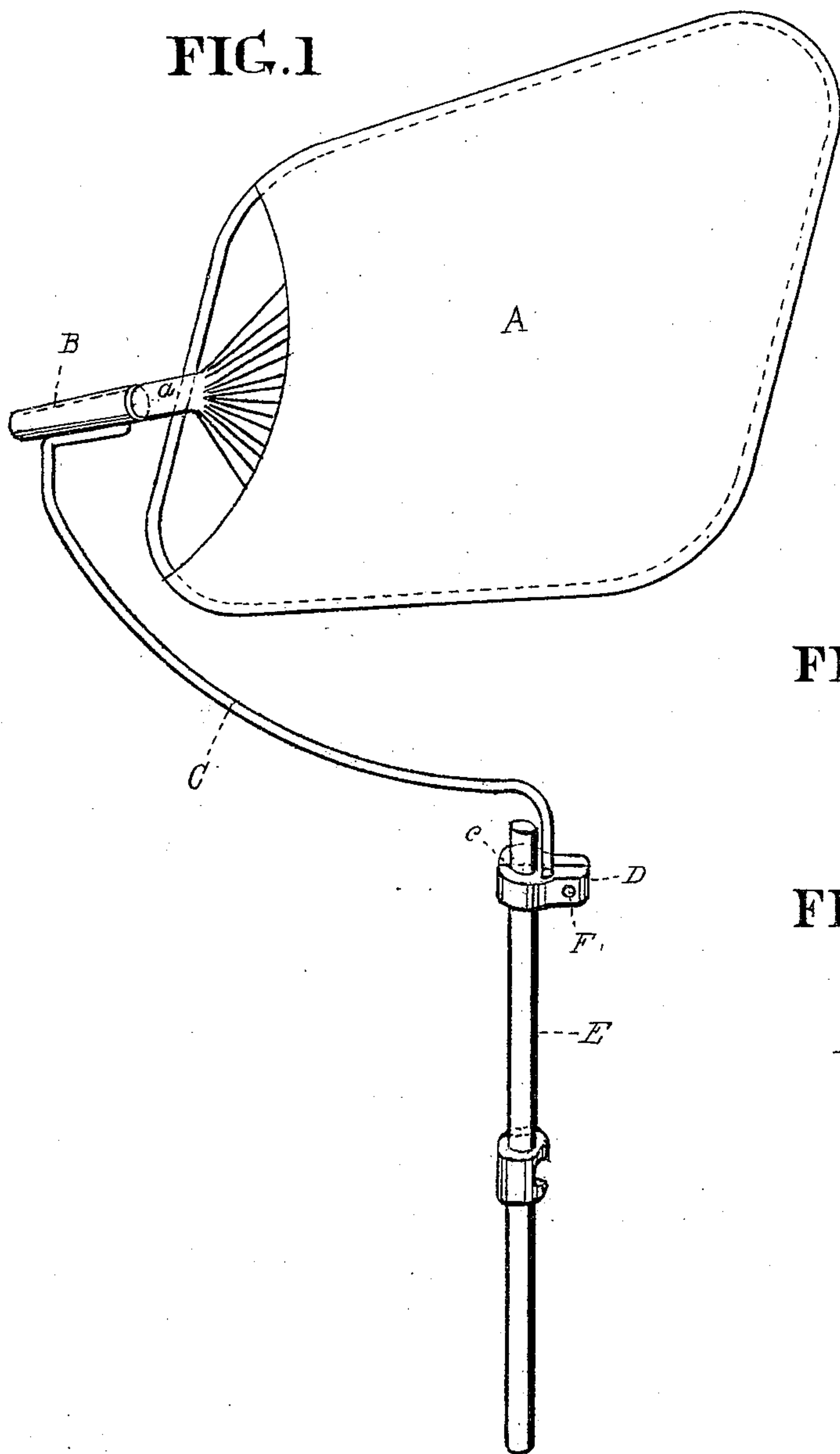
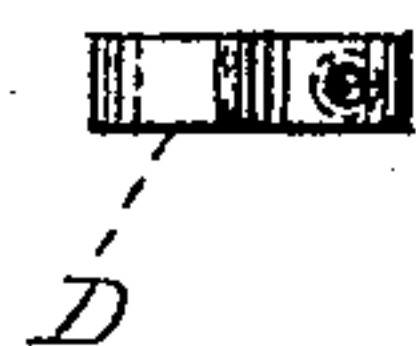


FIG. 2



FIG. 3



Witnesses.
Thomas P. Dewley.
Isaac Rinage.

Inventor
Richard Jackson
By His Attorney
Stephen Ustick

UNITED STATES PATENT OFFICE.

RICHARD JACKSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FAN ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **143,015**, dated September 23, 1873; application filed June 14, 1873.

To all whom it may concern:

Be it known that I, RICHARD JACKSON, of the city of Philadelphia and State of Pennsylvania, have invented the Attachment of a Fan with a Sewing-Machine, of which the following is a specification:

My invention relates to the combination of a fan with the needle-bar, in such a manner that the reciprocating movement of the bar shall give motion to the fan, which is so arranged as to throw the wind upon the face and neck of the operator of the sewing-machine, as hereinafter fully described.

Figure 1 is a perspective view of the fan A, holder B C D, and needle-bar E in connection. Figs. 2 and 3 are top and side views of the clasp D.

Like letters in all the figures indicate the same parts.

A is the fan, which has a tapered stem, *a*, so as to be readily secured in and firmly held by the socket B. The socket has a permanent connection with the upper end of the bent wire C, the lower end of which is fast in clasp D.

The clasp is represented in two pieces, secured tightly on the upper end of the needle-bar E by means of the screw F. It may, however, be made in a single piece, and sprung over the neck *c* of the bar, and confined by means of the screw F. The fan being thus permanently secured to the needle-bar, it will readily appear that the vertical reciprocating movement of the bar will produce a corresponding movement of the fan.

I do not confine myself to the precise mode above described of connecting the fan with the needle-bar; but, if desired, the socket B may be split and secured by means of a screw in like manner as the socket-clasp D.

I claim as my invention—

The combination of the fan A, bent wire C, and clasp D with the needle-bar E of a sewing-machine, substantially in the manner and for the purpose above set forth.

RICHARD JACKSON.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.