THOMAS GREEN.

Sewing Machine Fan.

No. 116,303. Patented June 27, 1871.

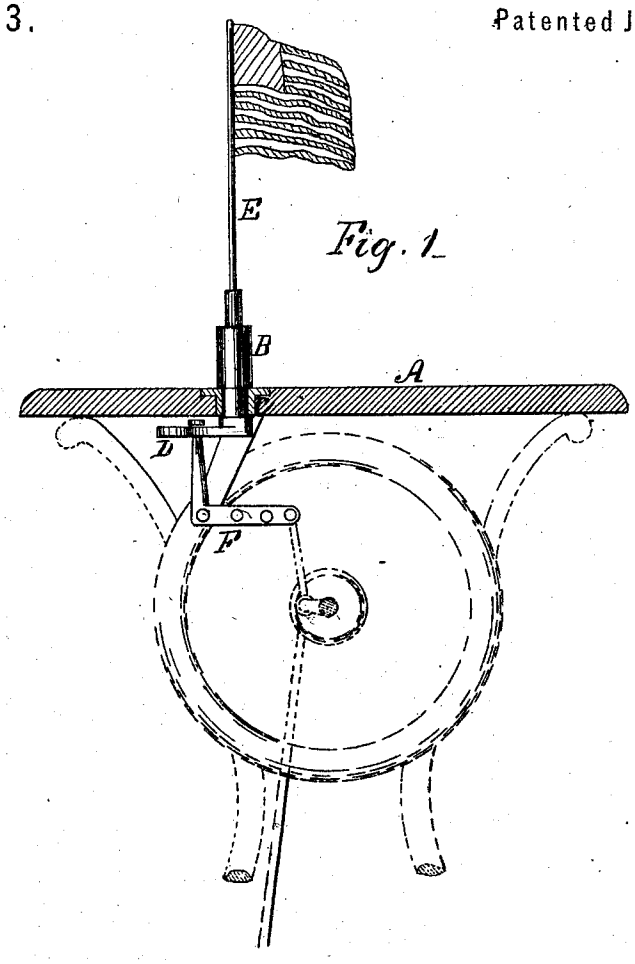
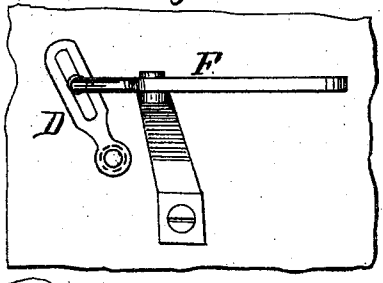


Fig. 1

Fig. 2



WITNESSES.

Gustave Dietenck

John H. Brooks

INVENTOR.

Thos. Green

per Munn & Co

Attorneys

UNITED STATES PATENT OFFICE.

THOMAS GREEN, OF BROOKLYN, NEW YORK, ASSIGNOR TO HIMSELF AND HENRY A. BOWDOIN, OF SAME PLACE.

IMPROVEMENT IN FAN ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 116,303, dated June 27, 1871.

To all whom it may concern:

Be it known that I, THOMAS GREEN, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sewing-Machine Fans; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful addition to sewing-machines, the design of which is to render the operator more comfortable during hot weather or in a heated atmosphere, by agitating the air by fanning; and the invention consists in attaching a fan to the machine, so arranged as to be operated by means of the treadle, or so that the same power which operates the needle of the machine will impart motion to the fan, as will be hereinafter more fully described.

In the accompanying drawing, Figure 1 represents a sectional end elevation of a sewing-machine with the fan attached. Fig. 2 is a detailed view of the mechanism by which the fan is vibrated.

Similar letters of reference indicate corresponding parts.

A is the sewing-machine table. B is a socket-stand, secured in a box, C, in the table, resting on a shoulder, as seen in the drawing, with a slotted arm, D, in its lower end, beneath the table. E is the staff of the fan, which is placed in the socket B, as represented, where the friction is sufficient to hold it in place, or it may be secured and prevented from turning in the socket by means of a small set-screw, or by any other means. The socket-stand B is given an oscillating or vibrating motion, so that the motion of the fan will resemble that given to the common hand-fan. This may be done by any mechanical arrangement suitable for the purpose. In this example of my invention I employ the slotted arm D on the end of the stand B, in connection with a bell-crank, F, which bell-crank is pivoted to a stand on the under side of the sewing-machine table, or otherwise secured in a proper position, so that a rod may extend therefrom to a crank on the fly-wheel, or to the treadle, as may be found most desirable or convenient.

I do not confine myself to this particular method of actuating the fan. I am aware that other means may be adopted for giving motion to the fan by the same power which operates the machine. This motion may be a horizontal vibrating motion, as represented, or a vertical, oblique, or rotary, or any motion imparted to a fan of any description from the operating parts of a sewing-machine.

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

In combination with a sewing-machine, the fan mechanism, consisting of the socket B, slotted arm D, and pivoted bell-crank lever F, all operating substantially as herein shown and described.

The above specification of my invention signed by me this 18th day of February, 1869.

THOMAS GREEN.

Witnesses:

FRANK BLOCKLEY,

ALEX. F. ROBERTS.