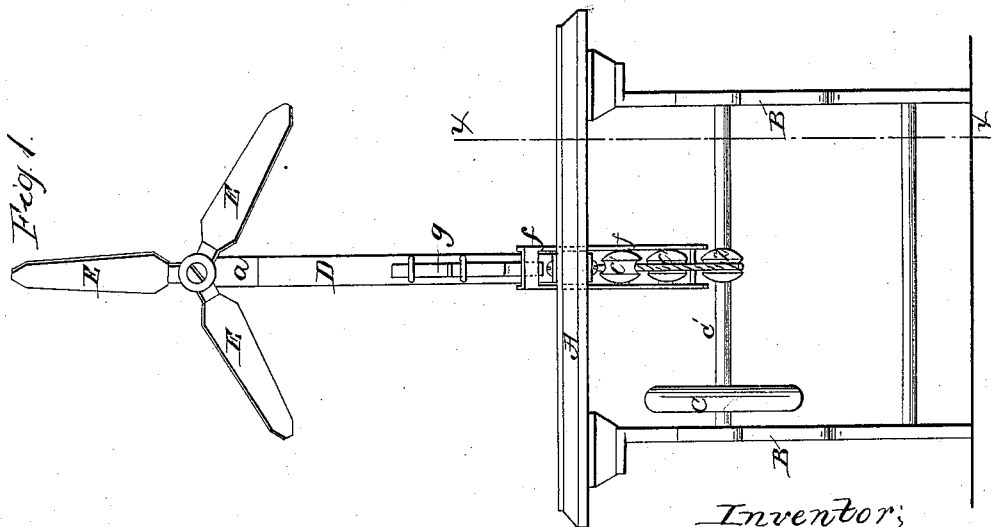
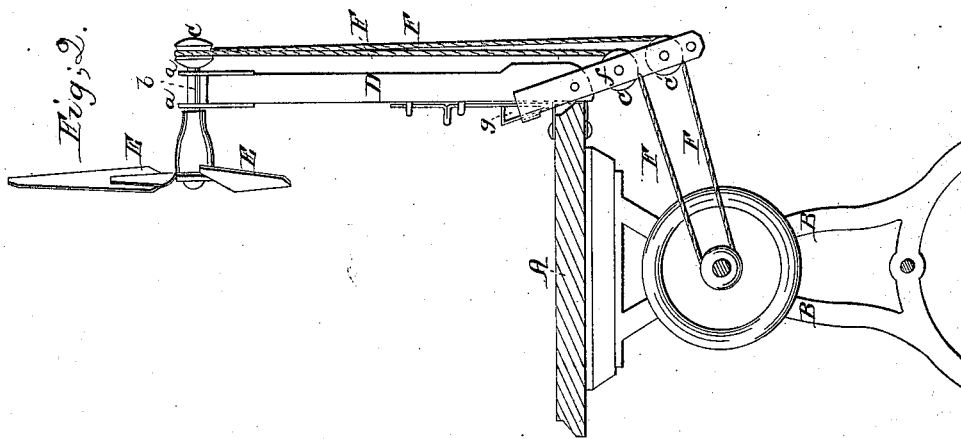


*T. R. Lovett,*

*Sewing-Machine Fan-Attachment*

*N<sup>o</sup> 53,158.*

*Patented Mar. 13, 1866.*



*Witnesses;*  
*J. W. P. Livingston*  
*Geo. A. Service*

*Inventor;*  
*Thos. R. Lovett*  
*Per Munn & Co*  
*Attys.*

# UNITED STATES PATENT OFFICE.

THOS. R. LOVETT, OF MOUNT AIRY, PENNSYLVANIA.

## FAN ATTACHMENT FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 53,158, dated March 13, 1866.

*To all whom it may concern:*

Be it known that I, THOMAS R. LOVETT, of Mount Airy, in the city and county of Philadelphia and State of Pennsylvania, have invented a new and Improved Fan Attachment to Sewing-Machines; 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 drawings, forming a part of this specification, in which—

Figure 1 is a front elevation of my invention. Fig. 2 is a sectional view, the plane of section being taken on the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a different manner of operating a fan attachment to a sewing-machine to that patented to me November 21, 1865.

The nature of this invention consists in the means employed for transmitting motion from the shaft of the driving-wheel of the machine to the fan for keeping the latter in motion to effect an agitation of the air around the operator for keeping him cool while operating the machine, suitable machinery being employed for throwing the parts out of gear so that the fan will remain at rest when desired.

A designates the table of a sewing-machine, and B its legs. C is the driving-wheel mounted on its shaft C', all constructed and arranged in the usual manner.

D is a standard attached to the back edge of the table A in any suitable way. To the top of this standard bearing blocks or pieces *a a* are attached, through which a shaft, *b*, passes. One end of this shaft carries a revolving fan, E, and the other a pulley, *c*, and to the lower end of the standard C, in suitable guide-pieces *f*, two more pulleys, *c' c''*, are journaled.

F is an endless cord or belt, which passes

over the pulley *c* and under the pulleys *c' c''* and around the shaft of the driving-wheel, (or over a pulley, *z*, on the shaft, as shown in the drawings,) as shown clearly in Fig. 2.

Thus it will be seen that a rotary motion will be imparted to the fan by reason of the belt E passing over the shaft and the pulleys *c c' c''* and the shaft C'.

The guides *f*, in which the pulleys *c' c''* are mounted, is pivoted to the standard D, so that its lower end can be thrown outward or drawn toward the table, as desired, and a wedge-shaped slide, *g*, is arranged on the front of the standard D, by pushing which downward throws the bottom of the guide *f* outward, and by drawing which up allows it to approach the table. By these means the cord can be tightened to communicate motion to the fan or loosened to allow the fan to remain at rest, as occasion may require.

By this simple arrangement a fan attached to a sewing-machine can be operated directly by the shaft of the machine, and a constant agitation of the air around the operator be effected, and the fanning may be continuously kept up, and thus the operator can be kept cool in sultry weather while sitting at work.

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

1. Operating a fan attachment to a sewing-machine by the driving-shaft of the machine through the medium of a belt, F, passing over pulleys *c c' c''* and the shaft C' of the machine, substantially as described.

2. The guide *f* and wedge-slide *g* for throwing the belt F into or out of operation, in combination with the standard D and shaft C', substantially as specified.

THOS. R. LOVETT.

Witnesses:

EDMUND WILCOX,  
WM. J. KELLERN.