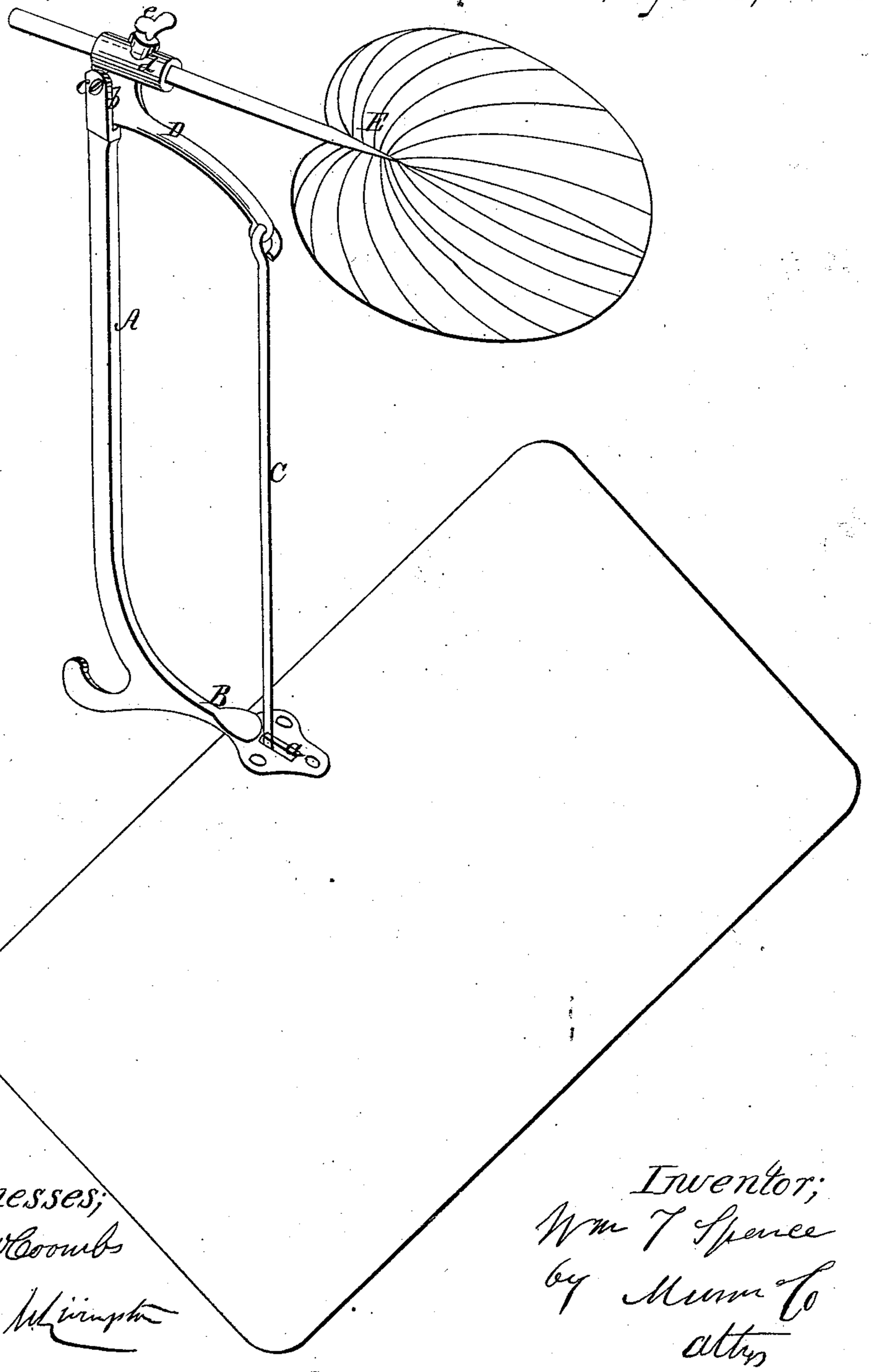
W. T. Spence,

Sewing-Machine Fan Attachment,

No. 36,537. Patented Sep. 23, 1862.



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UNITED STATES PATENT OFFICE.

WILLIAM T. SPENCE, ST. LOUIS, MISSOURI.

IMPROVED FAN ATTACHMENT TO SEWING-MACHINES.

Specification forming part of Letters Patent No. **36,537**, dated September 23, 1862.

To all whom it may concern:

Be it known that I, WILLIAM T. SPENCE, of St. Louis, in the county of St. Louis and State of Missouri, have invented a new and Improved Fan Attachment for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a part of this specification, said drawing being a perspective view of my invention.

This invention consists in attaching a fan to the treadle of a sewing-machine in such a manner that motion will be given said fan by the movement of the treadle in operating the sewing-machine, the device at the same time not interfering with the proper operation of any of the parts of the sewing-machine nor requiring any special manipulation of any kind.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents an upright bar which is attached to the top of the stand on which the sewing-machine is placed and secured. This upright is provided with a base, B, through which screws pass into the top of the stand, said base having a hole, *a*, in it, through which and a corresponding hole in the top of the stand a rod, C, passes, the latter being attached to the treadle of the sewing-machine. In the upper end of the upright bar A there is fitted a lever, D, the lever being secured in a fork, *b*, in the upright by a fulcrum-pin, *c*. The upper end of the rod C is connected to the end of the lever D, and on the back part of said lever D, directly over its fulcrum-pin *c*, there is a socket, *d*, in which the handle of a fan, E, is inserted and secured by a set-screw, *e*, as shown clearly in the drawing. The fan E projects a suitable distance in front of the upright bar A to be in a proper relative position with the face of the operator.

From this description it will be seen that when the sewing-machine is operated a vibratory motion will be communicated to the fan E, through the medium of the treadle of the machine and the rod C and a corresponding movement, of course, will be imparted to the fan E, the latter working up and down directly in front of the operator. By this arrangement the fan is kept in operation when the sewing-machine is at work without any special labor or manipulation on the part of the operator, the power required to operate the fan being inappreciable. The cost of the fan attachment will be but trifling, while in warm weather it will greatly relieve the operator, especially if at work in a close or illy-ventilated apartment.

I would remark that, if desired, the lever D may be placed in a reverse position—that is to say, project back of the upright bar A, instead of in front of it, and the rod C passes down back of the stand of the machine. This arrangement would avoid the cutting of a hole in the top of the stand for the rod C to pass through; but with the lever thus reversed it would be more exposed and would subject the machine to greater risk of being broken.

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

The lever and fan applied to a sewing-machine, and arranged so as to be operated from the treadle thereof, substantially as herein set forth.

WILLIAM T. SPENCE.

Witnesses:

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