

(No Model.)

M. S. BOLT & J. W. LUNN.

FAN ATTACHMENT FOR SEWING MACHINES, &c.

No. 270,926.

Patented Jan. 23, 1883.

Fig. 1.

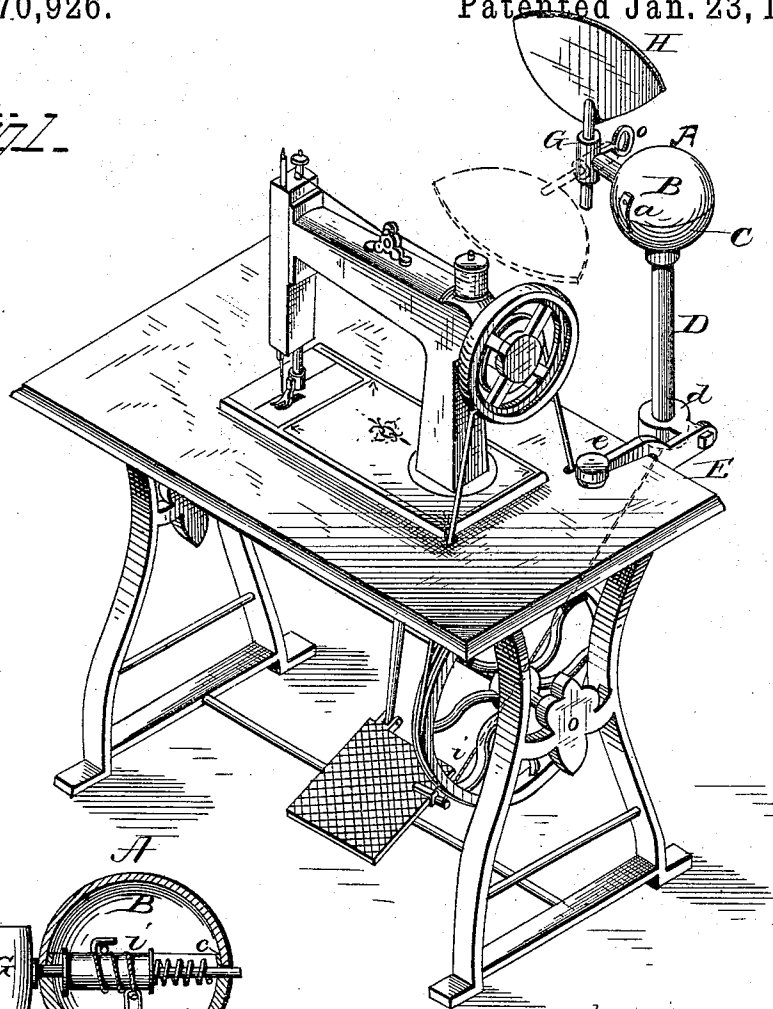


Fig. 2.

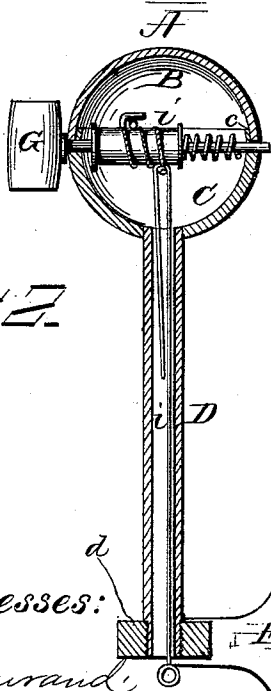
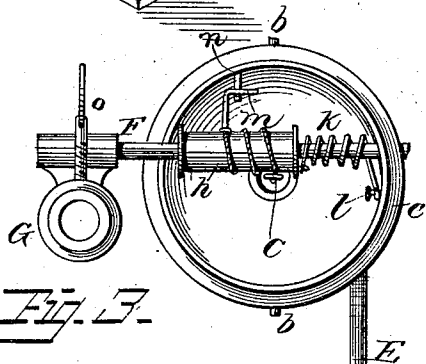


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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FAN ATTACHMENT FOR SEWING-MACHINES, &c.

SPECIFICATION forming part of Letters Patent No. 270,926, dated January 23, 1883.

Application filed August 23, 1882. (No model.)

To all whom it may concern:

Be it known that we, MARLIN S. BOLT and JOHN W. LUNN, citizens of the United States, residing at Elmira, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Fan Attachments for Sewing-Machines, &c.; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a perspective view of our invention attached to a sewing-machine; Fig. 2, a longitudinal vertical section, and Fig. 3 a top plan view, of the mechanism for operating the fan.

This invention relates to certain new and useful improvements in fan attachments for sewing-machines, work-benches, and like articles operated by a treadle or other mechanism, the objects thereof being to produce such a device that will be simple and inexpensive in its construction, easy and effective in its operation, not liable to get out of order, and which may be readily connected or disconnected from the machine or other article upon which it is used. These objects we attain by the construction substantially as shown in the accompanying drawings and hereinafter described.

In the drawings, A represents a hollow globe formed of two hemispheres, B C, connected together by clips *a*, secured to the outside of the hemisphere B, engaging with pins *b* upon the exterior of the hemisphere C, said hemisphere having an annular shoulder, *c*, upon which rests the edge of the hemisphere B.

Fitted in the hemisphere C, and depending therefrom, is a pipe or tube, D, of any desired length, which is screw-threaded or otherwise connected with a clamping device, E, formed with a socket, *d*, for receiving this pipe or tube D, and jaws *e f*, which fit upon the edge of a sewing-machine table, work-bench, or like article for the purpose of holding the attachment thereto, the lower jaw, *f*, being provided with a clamping-screw, *g*.

Journalled in the hemisphere C is a shaft, F, carrying a drum, *h*, around which is wound a cord or wire, *i*, having one end secured to the said drum and its free end passing down the

bore of the pipe or tube D to connect with the treadle or other operating part of a machine. The drum *h*, after making a partial revolution by the action of the treadle or other mechanism of a machine connecting with the cord or wire *i*, is forced back again by a spiral spring, *k*, placed around the shaft F, one of its ends being made fast to the drum and the other to a pin, *l*, upon the interior of the hemisphere C, said drum being prevented from going too far back by means of a right-angle projection, *m*, thereon coming in contact with a stop, *n*.

To that portion of the shaft which extends out from the globe A is fitted a socket, G, in which is intended to be placed the stem or handle of a fan, H, said fan being elevated to a greater or less degree and held in place by a set-screw, *o*.

It will be seen from the foregoing description that our invention may be readily attached to a sewing-machine, work-bench, or other like article, and operated by a treadle, eccentric, or other motion, and from the simplicity of the several operating parts but little power will be needed to work the fan. By having such a device attached to a sewing-machine a constant breeze is had with little or no additional exertion upon the treadle, while when it is attached to a bench or table in a workshop the cord or wire may be connected to an eccentric or other portion of the machinery employed in the shop, thereby causing a constant agitation of the air, which is very desirable in close and illy-ventilated shops or rooms.

While we have described our invention as being specially adapted to sewing-machines or work-benches, it may be attached to a footstool or chair provided with a treadle and thus moved from one place to another at will, to suit the convenience of the user, thereby forming a useful article of furniture for the household, as a person may sew, read, or be otherwise engaged with their hands and operate the treadle with a foot, and thus by the constant working of the fan be saved the annoyance from heat or flies.

Having now fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A fan attachment for sewing-machines or

like articles, consisting of a hollow globe, A, formed of two hemispheres, B C, held together by clip *a*, the pipe or tube D, clamping device E, and shaft F, fitted with a fan-socket, G, having a set-screw, *o*, for holding the fan, said fan being operated by a cord or wire, *i*, secured to a drum, *h*, upon the shaft F, and extending down the bore of the pipe or tube D to connect with a treadle or other operating mechanism, substantially as shown and described.

2. In a fan attachment for sewing-machines or other like articles, the shaft F, having a socket, G, for holding the fan, fitted thereto, and provided with a drum, *h*, controlled in its action by a spiral spring, *k*, in combination with the cord or wire connecting with a treadle or other operating mechanism, substantially and for the purpose set forth.

3. In a fan attachment for sewing-machines or like articles, the drum *h* upon the shaft F, operated by a wire or cord, *i*, connecting with a treadle or other operating mechanism, and controlled by a spiral spring, *k*, right-angle projection *m*, and stop *n*, all arranged to operate substantially as described, and for the purpose specified.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

MARLIN S. BOLT.
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Witnesses:

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