(No Model.)

L. RECHT.

AUTOMATIC FAN.

No. 543,140. Patented July 23, 1895.

Fig 1

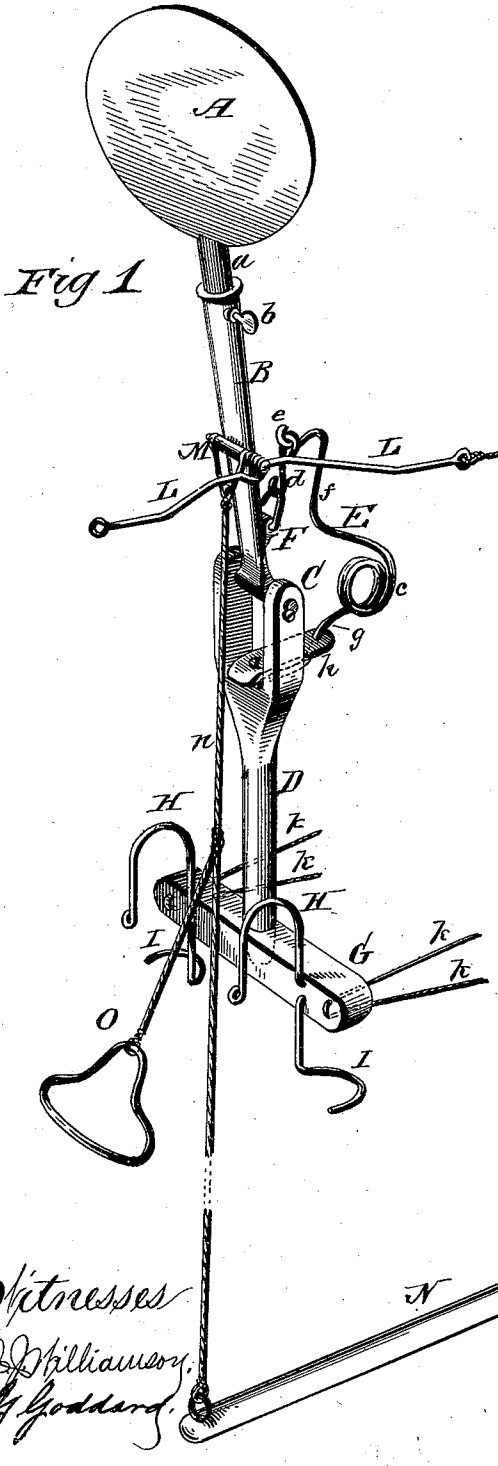
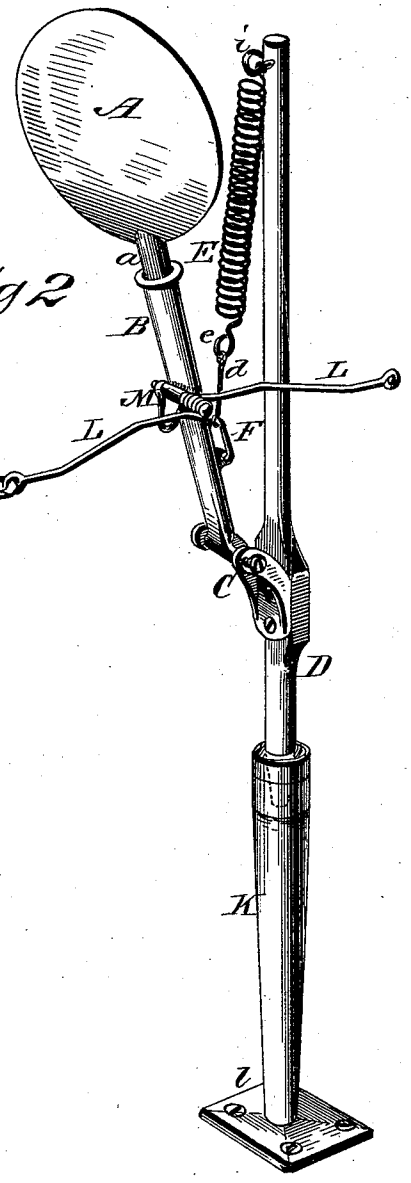


Fig 2



Witnesses
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UNITED STATES PATENT OFFICE.

LEANEY RECHT, OF PLATTE CITY, MISSOURI.

AUTOMATIC FAN.

SPECIFICATION forming part of Letters Patent No. 543,140, dated July 23, 1895.

Application filed June 30, 1894. Serial No. 516,207. (No model.)

To all whom it may concern:

Be it known that I, LEANEY RECHT, a citizen of the United States, residing at Platte City, in the county of Platte and State of Missouri, have invented certain new and useful Improvements in Automatic Fans; and I 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 of reference marked thereon.

The present invention has relation to that class of automatic fans adapted for attachment to a sewing-machine, a table, chair, or other stationary object; and the purpose of the invention is to improve the construction of the fan mechanism, whereby it may be readily operated without binding or otherwise effecting the movement of the fan proper and admitting of several fans being connected with each other and operated by the same power; also, to simplify the operating parts, whereby they are rendered less liable to become out of order or for other reasons fail to operate.

The invention consists in a fan attachment constructed substantially as shown in the drawings, and hereinafter described and claimed.

Figure 1 of the drawings represents a perspective view of a fan and its operative mechanism which forms an attachment thereto; Fig. 2, a similar view showing a modification thereof.

In the accompanying drawings, A represents a fan of any preferred construction, which is detachably connected to a tubular holder B, said fan being held therein by a set-screw *b* or by any other well-known means, which screw bears against the stick or handle *a* of the fan. This hollow or tubular holder B is pivotally connected to a bracket C upon the end of a standard D, which in the present instance is in the form of a fork with two parallel arms. A spring E connects at one end with the tubular holder B by means of a hinged loop F, which loop is suitably connected to the holder. A flexible connection *d* is interposed between the loop and eye *e* of the spring, which loop and flexible connection enable the spring to have free play and prevent binding and enable the tubular fan-holder to have an easy movement when operated upon. This hinged loop and flexible connection are of material importance in rendering the device perfect in its operation and removing the danger of any lateral strain upon the spring, as the spring is not attached directly to the fan-holder, and consequently the binding that would otherwise take place or the lateral strain upon the spring is prevented. In the present instance I have shown the spring formed with a coil *c* and the elbow *f*, the lower end *g* of the spring extending through a hole in a plate *h*, said plate being attached to the bracket C, as shown in Fig. 1.

In Fig. 2 I have shown simply a coiled spring connecting with the tubular fan-holder by hinged loop and flexible connection; but, unlike the spring in Fig. 1, instead of being connected to a plate the end of the spring is connected directly to the standard D by means of a hook *i*.

Instead of having the end of the standard D bifurcated or forked to form a bracket C, as shown in Fig. 1, the bracket is made separately and afterward connected to the standard, as shown in Fig. 2. These changes or modifications are substantially the same in their effect and are equivalents so far as the essential features of the invention are concerned.

In Fig. 1 I have shown the attachment as especially adapted for connecting with a chair-back or other equivalent stationary object, and the standard at its lower end is secured to a cross-bar G, which bar is provided with spring clamping-rods H, which extend in an upright position to engage with the back of the chair, and the spring clamping-rods I arrange at right angles to the upright clamping-rods or in a horizontal position to embrace the sides of the chair-back, and, if desired, additional means may be employed in the form of cords *k* for tying the cross-bar to whatever stationary object it is found most convenient.

When it is desired to connect the standard directly to the floor, there is provided a post K, which is formed hollow at its upper end to receive the end of the standard D, as shown in Fig. 2, the lower end of the post having a base-plate *l* for attachment to the floor by screws or like means.

Now it is intended that a series of these fans

and attachments may be used in places where more than one would be required, and for this purpose I provide the hollow or tubular holders B with rods L, which join with each other by suitable flexible connections *m*, thereby connecting with each other a plurality of fan-holders, whereby they may be operated simultaneously by a single power connecting with one of the holders.

The holder B, that is to have the power directly applied thereto, is provided with a hinged loop M, and to this loop is attached a cord *n*, and this cord is attached in turn to a suitable treadle N, connected to a cross-bar P by a spike, as shown, or, if desired, a suitable hand-pull O may be connected to the cord, so that it may be worked by hand, or the cord may be attached to any suitable means for operating it in pulling down the fan-holder, while the spring will bring it back to its former position.

Each fan with its attachments may be used independently, or a number of them used together, as circumstances may require, each fan-holder having a hinged loop for attaching the cord thereto when it is desired to use them separately.

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

1. In a fan attachment, the cross bar G, the vertical hooks H secured thereto, and which catch over the top of the chair and support the bar, and the rods I, which extend straight down from the bar a suitable distance and then have their ends curved horizontally outward, combined with the fan mounted on the bar, and strings K for securing the cross bar in place, substantially as shown.

2. The cross bar, the vertical hooks H, and the bent rods I secured thereto, combined with the standard, forked at its upper end, the tubular socket pivoted to the standard, the plate *h*, secured to the standard, the spring C, the flexible connection secured at one end to the spring, and at the other to the tubular socket; and the fan, adjustably held in said socket, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEANEY RECHT.

Witnesses:
W. S. WELLS,
H. CAIN WELLS.