

(No Model.)

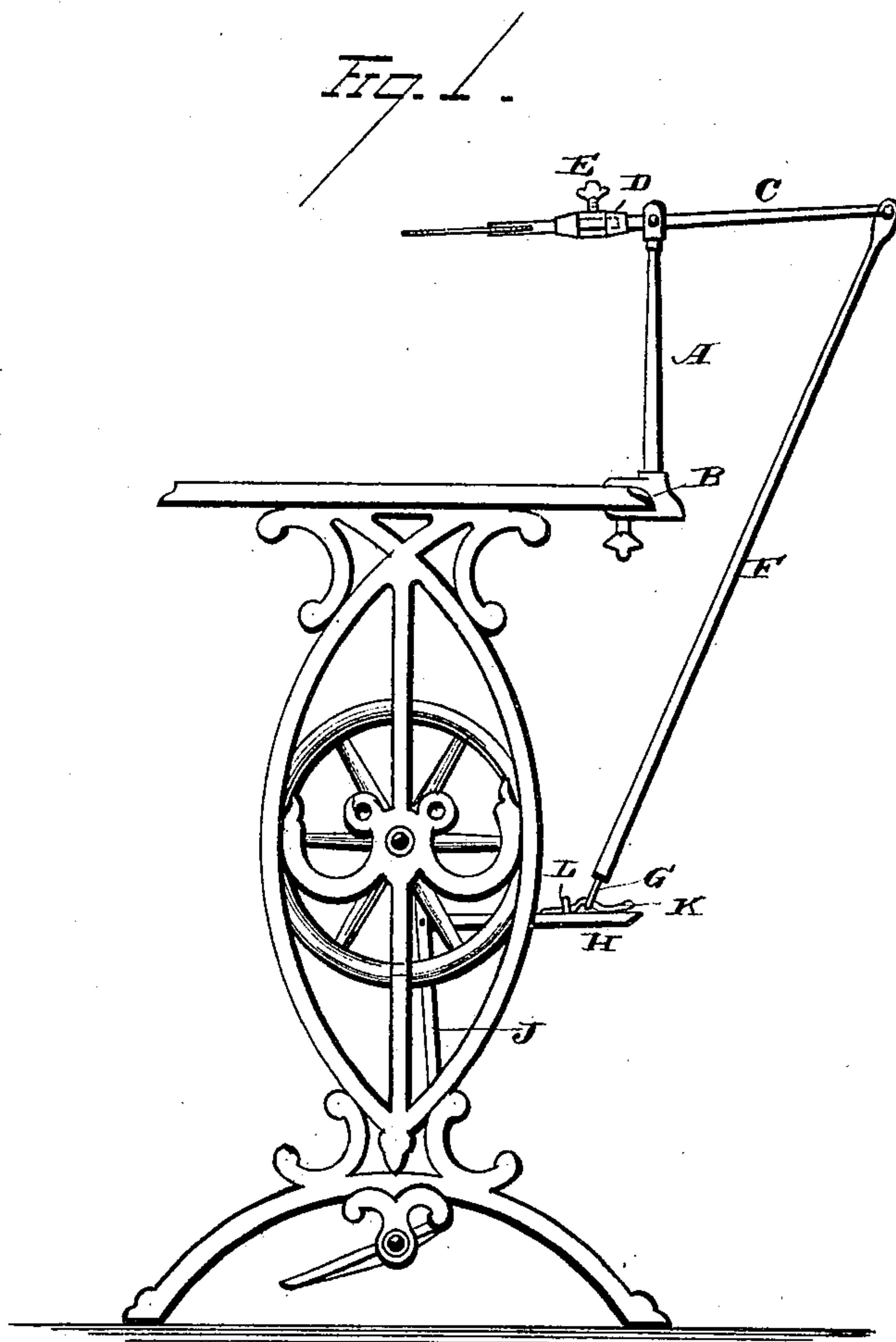
2 Sheets—Sheet 1.

P. HEBNER & C. W. ARMSTRONG.

FAN ATTACHMENT FOR SEWING MACHINES.

No. 245,376.

Patented Aug. 9, 1881.



WITNESSES

German Moran

Frank C. Bowen.

INVENTOR

Peter Habner.

Chas W. Armstrong.

By Seydath & Seydath, ATTORNEY

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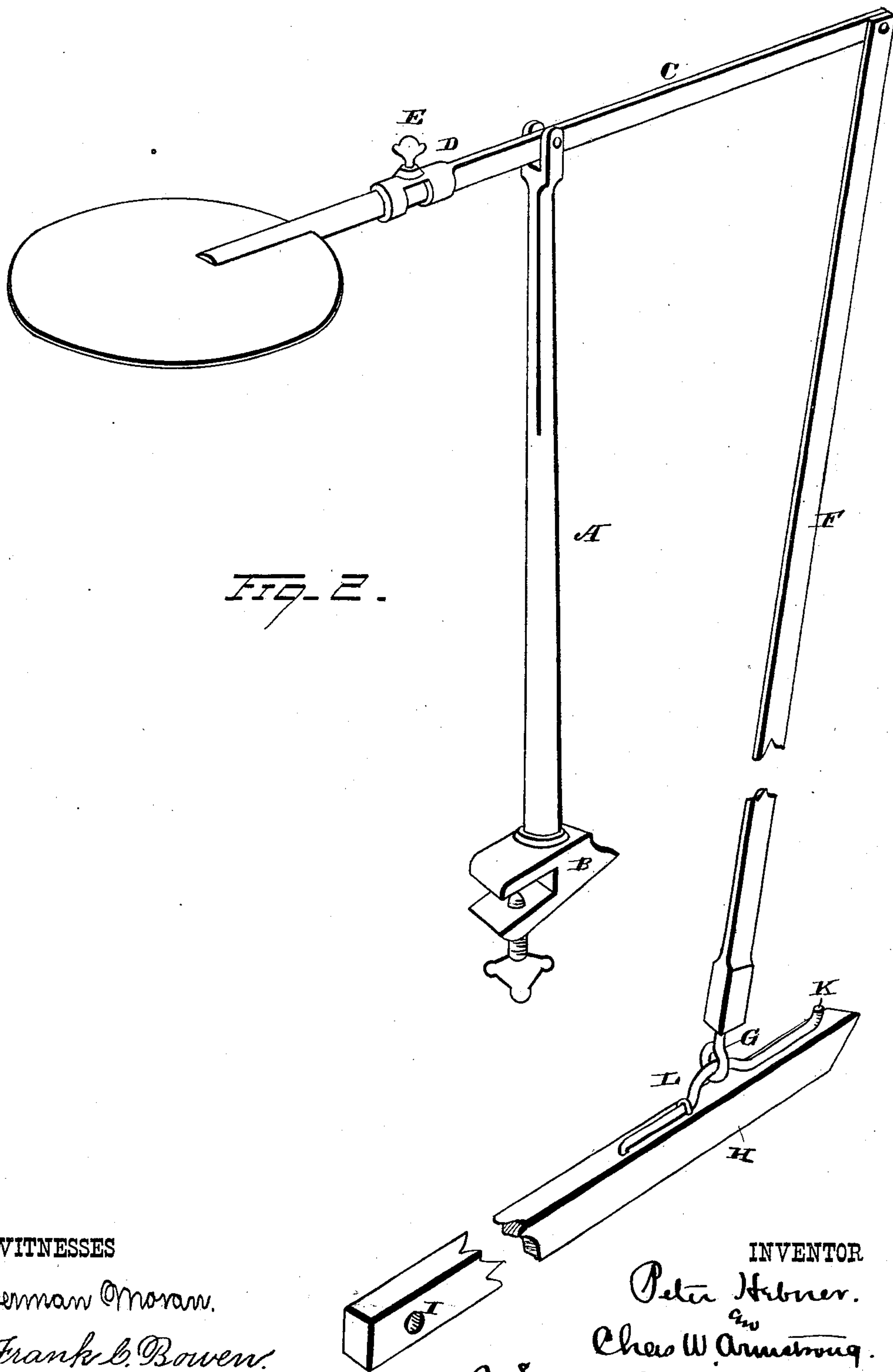


Fig. 2.

WITNESSES

Herman Moran.

Frank B. Bowen.

INVENTOR

Peter Hebner.

Charles W. Armstrong.

By Sargent & Sargent, ATTORNEY

UNITED STATES PATENT OFFICE.

PETER HEBNER AND CHARLES W. ARMSTRONG, OF BOONVILLE, INDIANA.

FAN ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 245,376, dated August 9, 1881.

Application filed June 3, 1881. (No model.)

To all whom it may concern:

Be it known that we, PETER HEBNER and CHAS. W. ARMSTRONG, of Boonville, in the county of Warrick and State of Indiana, have
5 invented certain new and useful Improvements in Automatic Fans for Sewing-Machines; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to
10 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Our invention relates to an improvement in
15 automatic fans, the object of the same being to provide a fan with suitable attachments, whereby it can readily be attached to a sewing-machine to fan the operator and be detached therefrom when not required for use.

20 With these ends in view our invention consists in certain details in construction and combinations of parts, as will be more fully explained, and pointed out in the claims.

In the accompanying drawings, Figure 1 is
25 a side view, showing our device attached to a sewing-machine; and Fig. 2 is detached perspective view of the fan and connecting mechanism.

A represents a suitable standard having the
30 clamp B at its lower end, by which it is attached to the sewing-machine table, and a fan-lever, C, pivotally secured at its upper end. The fan-lever C is provided with a fan-holder, D, at one end, having a central opening, into
35 which the handle of the fan is introduced, and a thumb-screw, E, to retain the fan in position, and is pivotally secured at its opposite end to the fan-pitman F, the latter extending down a suitable distance and provided with a ring,
40 G, by which the fan is connected to the pitman of the sewing-machine and caused to operate when desired.

H is an arm having screw-holes I at one end, by which it is screwed to the sewing-machine
45 pitman J, and a spring-holder, K, on the top thereof, with which the ring G, on the end of the pitman F, engages. This arm H is adapted to be screwed or otherwise secured onto the pitman J and extend out backward nearly at
50 right angles to the pitman J, with the spring-

holder K on the top. This holder can be of any desired construction, and instead of being made of spring metal can be a simple hook or any suitable device; but the construction shown answers all the purposes admirably, as
55 it holds the pitman F in close contact with the arm H and prevents any unnecessary movements of the said pitman F. This spring-holder is constructed of metal, bent substantially as shown in the drawings, with one end
60 bent at right angles to the remaining portion and driven into the arm, which, together with the staple L, keeps the holder well down on the upper surface of the arm. That portion of
65 the spring-holder adapted to bear directly on the ring G is slightly rounded, which allows the ring G to rest therein, while at the same time it prevents any unnecessary movement of the said pitman, which would cause irregularities in the movement of the fan, and the
70 outer or free end of the holder H is turned upward, which allows the ring G to be slipped under the turned end of the holder and slid into proper position.

When the parts have been secured in position and motion imparted to the sewing-machine the fan is also caused to vibrate up and down in unison with the pitman of the sewing-machine, to which it is secured. When it
75 is desired to remove the fan from the machine it is simply necessary to loosen the clamp B and remove the ring G from the spring-holder K, when the device can be taken from the machine, it not being necessary to remove the
80 arms H unless it is desired to transfer the fan to some other machine.

The device is exceedingly simple in construction, of small cost, and adapted to be readily attached to and detached from any sewing-machine, and a great many other machines with-
90 out extra cost or any increase of power required to operate it.

We are aware that fans have been connected with and adapted to be operated by the driving mechanism of sewing-machines, and hence
95 we make no broad claim to the combination, with the driving mechanism of a sewing-machine, of a fan attachment adapted to be operated thereby.

Having fully described our invention, what 100

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

The combination, with the standard A, fan-lever C, and pitman F, provided with a ring,
5 G, of the arm H, adapted to be secured to the pitman of a sewing-machine, and the spring-hook K, attached to said arm, whereby the lower end of the fan-pitman may be removably secured to said arm, substantially as set forth.

In testimony that we claim the foregoing we 10
have hereunto set our hands this 21st day of
May, 1881.

PETER HEBNER.

CHARLES W. ARMSTRONG.

Witnesses:

WM. RICHARDSON,

H. E. WILDERMUTH.