

(No Model.)

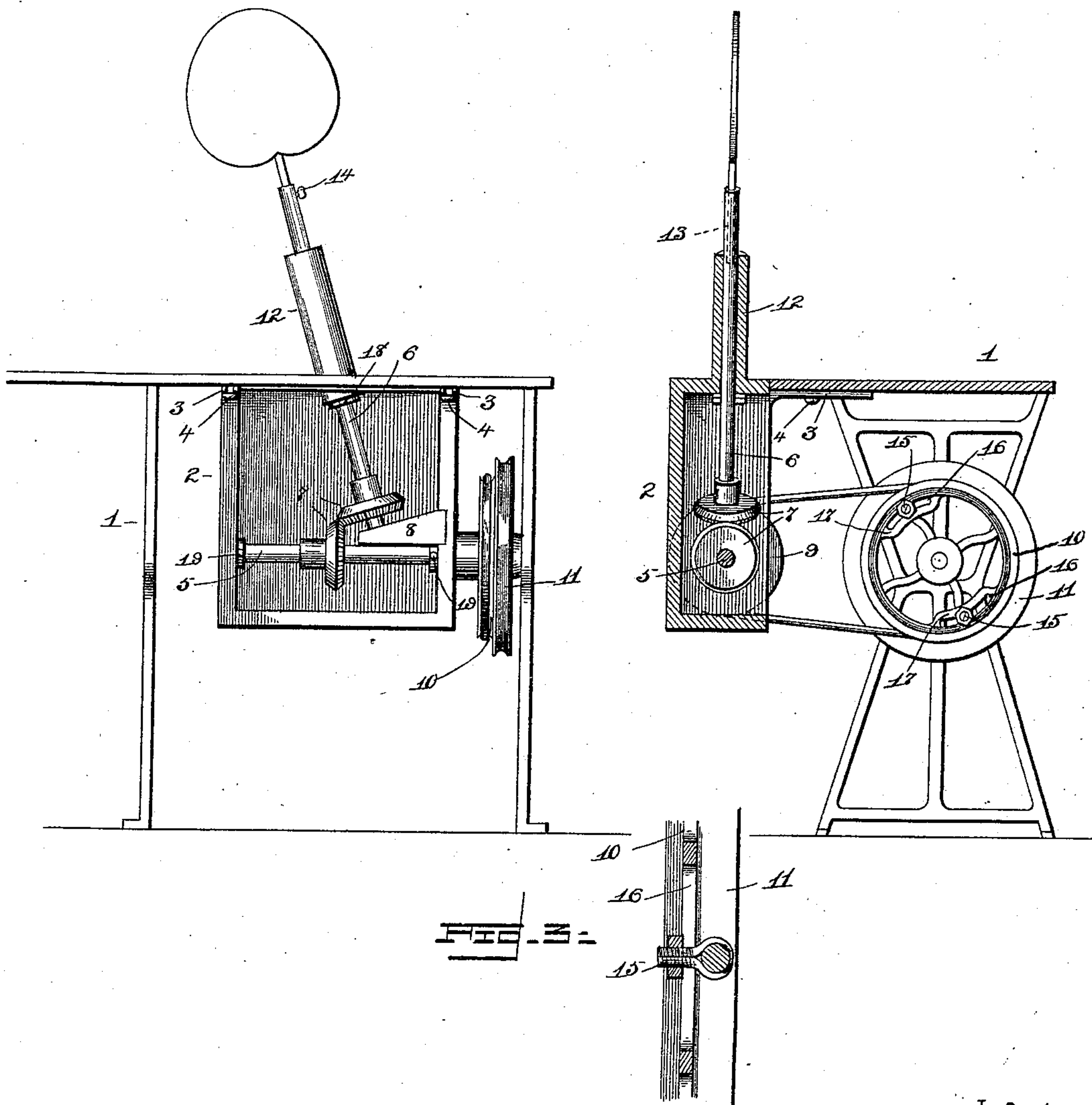
G. W. MILLER.
FAN ATTACHMENT FOR SEWING MACHINES.

No. 485,554.

Patented Nov. 1, 1892.

FIG. 1.

FIG. 2.



Witnesses

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GEORGE W. MILLER, OF BRYAN, TEXAS.

FAN ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 485,554, dated November 1, 1892.

Application filed November 4, 1891. Serial No. 410,867. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MILLER, a citizen of the United States, residing at Bryan, in the county of Brazos and State of Texas, have invented a new and useful Fan Attachment for Sewing-Machines, of which the following is a specification.

The invention relates to improvements in fan attachments for sewing-machines.

The object of the present invention is to provide a simple and inexpensive fan attachment for sewing-machines, adapted to be readily applied to a machine and capable of fanning an operator effectively without interfering with the work of the machine.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is an elevation of a sewing-machine table provided with a fan attachment constructed in accordance with this invention. Fig. 2 is a sectional view on line $x x$ of Fig. 1. Fig. 3 is a detail sectional view.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 designates a sewing-machine table or stand having depending from its rear edge a casing 2, which is provided at its top with slotted arms 3, arranged on opposite sides of the casing and extending beneath the top of the table or stand 1 and secured to the same by screws 4, passing through the slots, whereby the casing is adjustably attached to the stand. The casing 2 has journaled in its sides a horizontal shaft 5 and in its top an inclined shaft 6, which is connected with the horizontal shaft by beveled gear 7, and which has its lower end journaled in a bracket-plate 8, extending horizontally from one side of the casing and having its upper face inclined. The horizontal shaft extends beyond one side of the casing and carries a pulley 9, which is connected by a strap with a ring 10, detachably secured to the drive-wheel 11. The inclined shaft is arranged in a cylindrical extension 12 of the casing and is pro-

vided at its upper end with a socket 13, adapted for the reception of the handle of a palmetto fan, which is secured in the socket by a set-screw 14. By inclining the shaft the parts may be arranged sufficiently near the drive-wheel of a machine to insure a proper connection and also to avoid interfering with the work of the machine, and the fan is arranged directly opposite the operator and directs a blast of air on the face, breast, and hands.

The pulley and the ring or band 10 are provided in their peripheries with V-shaped grooves to receive a strap which conveys motion from a drive-wheel to the horizontal shaft. The ring is attached to one side of the drive-wheel by hooked bolts 15, which are arranged in slots 16 of enlargements 17 and engage spokes of a drive-wheel and are provided with nuts, whereby a ring is detachably secured to the drive-wheel.

The bolts 15 have semicylindrical stems and are arranged in pairs with their hooks engaging opposite sides of the spokes. By this construction the ring may be readily adjusted on the wheel.

The inclined shaft 6 is prevented from rising and the horizontal shaft 5 is held against longitudinal movement by collars 18 and 19, which are arranged on said shafts and located adjacent to the casing and provided with set-screws for securing them to the shafts.

From the foregoing description and the accompanying drawings the construction, operation, and advantages of the invention will be readily understood.

What I claim is—

A fan attachment for sewing-machines, comprising a casing provided with horizontally-disposed slotted arms and secured to a sewing-machine adjustably by bolts arranged in the slots, said casing being provided at its top with an incline cylindrical extension, a horizontally-extending bracket-plate arranged within the casing and projecting from one side thereof and having its upper face inclined, an inclined shaft journaled in the bracket-plate and in the inclined extension and provided with a fan-socket, a horizon-

tally-disposed shaft journaled in the sides of
the casing, beveled gear-wheels connecting
the shafts, and a pulley mounted on one end
of the horizontal shaft and arranged outside
5 of the casing and connected with a drive-
wheel of a sewing-machine and with a hori-
zontal shaft, substantially as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

GEORGE W. MILLER.

Witnesses:

S. L. EAUS,

E. J. BUTLER.