No. 794,655. PATENTED JULY 11, 1905.

J. T. BEARDEN.

ATTACHMENT FOR SEWING MACHINES.

APPLICATION FILED AUG. 27, 1904.

Fig. 1.

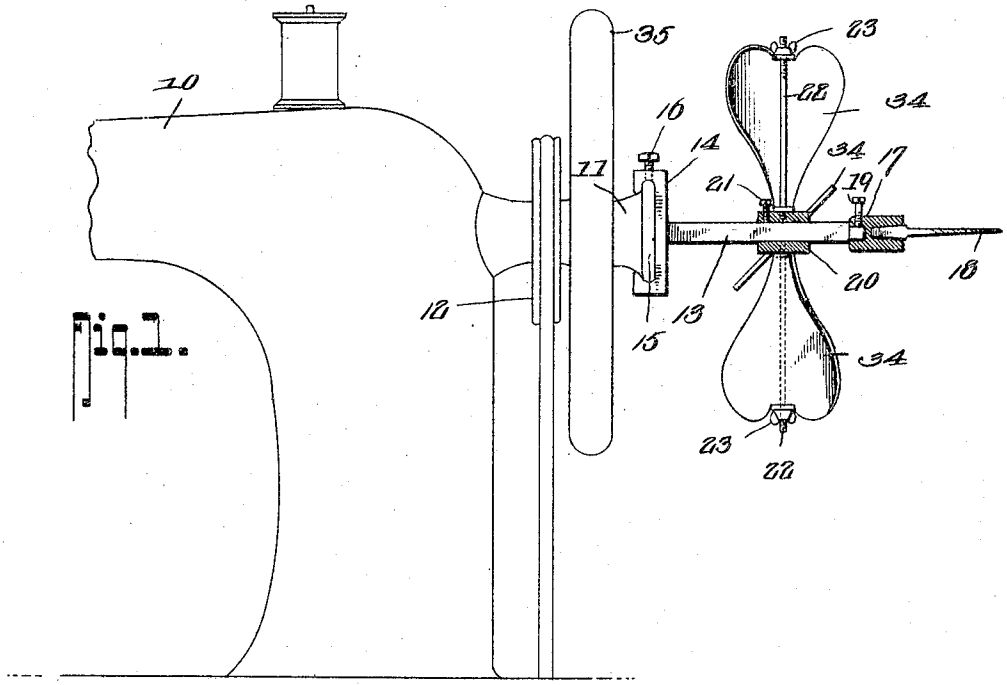
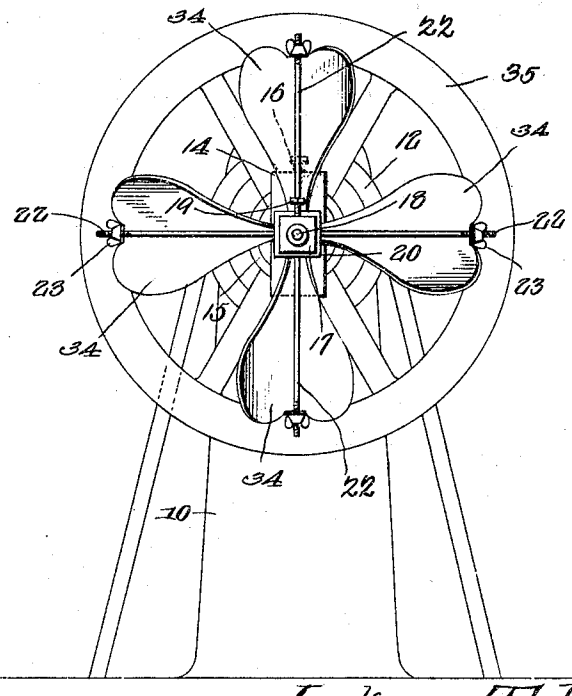


Fig. 2.



Witnesses

E. B. Stewart

C. M. Woodward.

Jackson T. Bearden,
Inventor.

by C. A. Snow & Co
Attorneys

No. 794,655. Patented July 11, 1905.

UNITED STATES PATENT OFFICE.

JACKSON THOMAS BEARDEN, OF HOUSTON, TEXAS.

ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 794,655, dated July 11, 1905.

Application filed August 27, 1904. Serial No. 222,433.

To all whom it may concern:

Be it known that I, JACKSON THOMAS BEARDEN, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented a new and useful Attachment for Sewing-Machines, of which the following is a specification.

This invention relates to attachments to sewing-machines whereby the rotative motion of the needle-bar shaft may be utilized for operating an air-circulating fan, a drill, or other implement or device, and has for its object to produce a simply-constructed device of this character which may be applied to the machine without change in the structure of the same or interfering in any manner with its ordinary uses.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a side elevation, partially in section; and Fig. 2 is a rear elevation of a portion of the head or arm of a sewing-machine with the improved device applied.

The "head" or needle-arm of a sewing-machine is represented at 10, with the outer end of the needle-operating shaft at 11 and the band-wheel and fly-wheel, respectively, at 12 and 35 of the usual form.

The improved device comprises a shaft or bar 13, having a transverse socket 14 for encompassing the enlarged rear end 15 of the shaft 11 and provided with a set-screw 16 for bearing against the enlarged end to hold the same firmly in position and likewise maintaining the bar 13 in position in longitudinal alinement with the shaft 11.

The outer end of the shaft 11 is provided with a chuck 17 for receiving and supporting a drill or other similar implement 18 and provided with a set-screw 19 to hold the socket firmly in place.

Adjustably disposed upon the shaft 13 is a hub 20, having a set-screw 21 for holding it in position and also provided with radiating rods 22.

Each of the rods is provided with an adjusting-nut 23 on the outer end for bearing against a fan blade or wing 34, carried by the rods and rotatively adjustable thereon. By this means the fan-blades may be adjusted to any desired "pitch" upon the rods or reversed in position, as may be desired. The fan may thus be set to project the air in either direction and with any desired force or detached entirely, if required.

It will thus be noted that a very simply-constructed and easily-applied device is produced, which may be quickly attached or detached and operated by the treadle of the machine and without injury to the latter or interfering with the ordinary operation of the same. The fan will thus maintain strong air-currents across the machine, which will be very refreshing to the operator, as will be obvious. At the same time the shaft 13 may be utilized to operate a drill or for other similar purposes.

Having thus described the invention, what is claimed is—

An attachment for sewing-machines comprising a bar having means for detachable connection to the needle-bar-operating shaft and in longitudinal alinement with the same, a sleeve slidably disposed upon said alined bar and provided with radiating rods having threaded outer terminals and clamp-nuts engaging the same, and fan-blades rotatively engaging said rods and adjustably clamped thereon by said nuts.

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

JACKSON THOMAS BEARDEN.

Witnesses:
H. WERNER,
B. C. FORBES.