

No. 753.987.

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R. H. LEGG.
SEWING MACHINE ATTACHMENT.
APPLICATION FILED SEPT. 24, 1903.

NO MODEL.

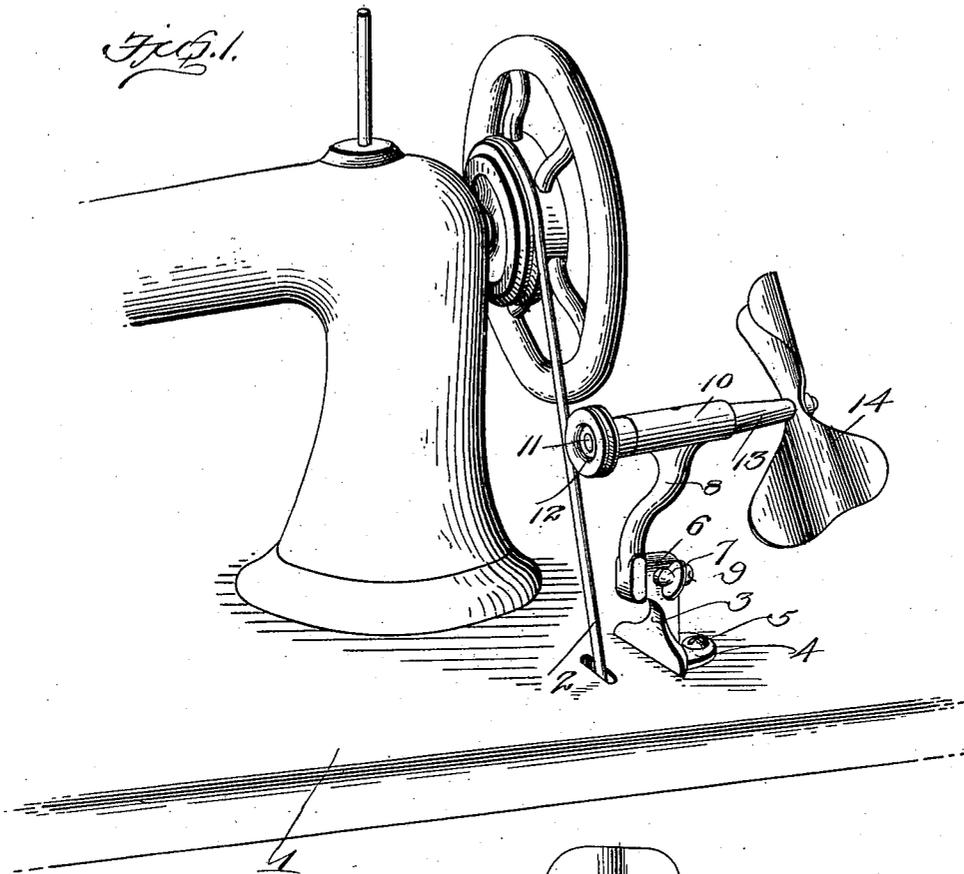
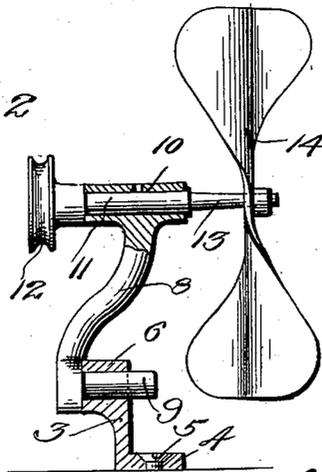


Fig. 2.



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SEWING-MACHINE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 753,987, dated March 8, 1904.

Application filed September 24, 1903. Serial No. 174,494. (No model.)

To all whom it may concern:

Be it known that I, ROLAND H. LEGG, a citizen of the United States, residing at Carthage, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Sewing-Machine Attachments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an attachment for sewing-machines, and particularly to devices for utilizing the power of a driving element of such machines for operating a fan, grinding and polishing devices, &c.

The object of the invention is to provide a device of this character which is simple, inexpensive, and efficient, which may be employed for driving any one of a number of rotary tools, and which may be readily adjusted to suit the convenience of the user.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a sewing-machine embodying my invention; and Fig. 2 is a detail view of the device attached and on an enlarged scale, parts appearing in section.

Referring now more particularly to the drawings, the numeral 1 represents the work-table of a sewing-machine of any known construction, and 2 the driving-belt thereof.

My improved attachment is designed to be driven by the belt 2 and comprises in its construction a bracket 3, having at its lower end an offstanding flange 4 for the passage of a fastening device 5, the latter serving to secure the bracket to the table 1 just in advance and to one side of the belt 2. The upper end of the bracket is formed into an eye 6, bearing a set-screw 7. A standard 8 is supported by the bracket and is provided at its lower end with a lateral stem 9, which obtains bearing in the eye 6 and is adjustably secured therein by the set-screw 7. The upper end of the standard terminates in a transverse bearing 10, in which is journaled a shaft 11, one end of which carries a pulley 12, while the opposite end terminates in a tapering spindle 13. This spindle 13 is designed to receive and support any desired form of rotating tool or ap-

pliance, such as an emery-wheel, a polishing-wheel or disk, or, as shown in the present instance, a fan 14. The tapered formation of this spindle adapts any one of these devices to be fitted thereon without the use of fastening means and to be quickly applied and as quickly removed. As before described, the bracket 3 supports the standard in close proximity to the belt 2, and the pulley-wheel 12 engages the said belt and is rotated thereby, and thus communicates motion to the spindle. By means of the adjustable connection of the standard with the bracket the standard may be adjusted toward and from the belt, so as to quickly throw the device into and out of operation at will.

From the foregoing description, taken in connection with the accompanying drawings, the construction and mode of operation of my invention will be readily understood, and it will be seen that it provides an attachment which is designed to confer a great convenience upon householders in enabling various kinds of appliances and devices to be employed and driven by a sewing-machine to perform different kinds of work.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A sewing-machine attachment comprising a bracket adapted to be secured to the stand of the machine adjacent to the front stretch of the drive-belt, a drive-spindle provided with a friction-wheel to engage the belt, and a standard carrying said spindle and hinged or pivoted to said bracket, said standard being adjustable at the front of the machine to swing toward and from the said front stretch of the belt and adjust said friction-wheel into and out of engagement therewith, substantially as described.

2. A sewing-machine attachment comprising a bracket adapted to be secured to the stand of the machine adjacent to the front

stretch of the drive-belt, said bracket having
an eye in a plane transverse to said stretch of
the belt, a standard having at its upper end a
bearing and at its lower end a lateral stem
5 journaled in said eye, and a drive-spindle jour-
naled in said bearing and provided with a fric-
tion-wheel to engage the belt, said standard
being adjustable at the front of the machine
to swing toward and from the said front
10 stretch of the belt and adjust said friction-

wheel into and out of engagement therewith,
substantially as described.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

ROLAND H. LEGG.

Witnesses:

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