

A. KYINY.
ATTACHMENT FOR FOOT POWER OPERATING MACHINES.
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1,040,698.

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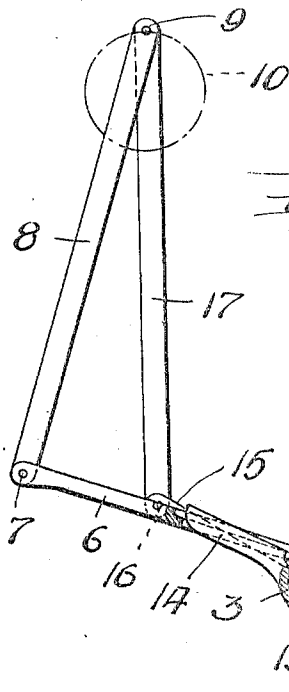


Fig. 1.

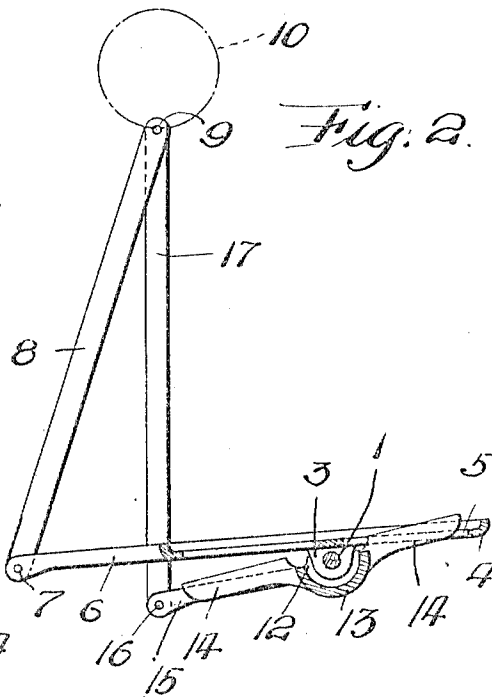


Fig. 2.

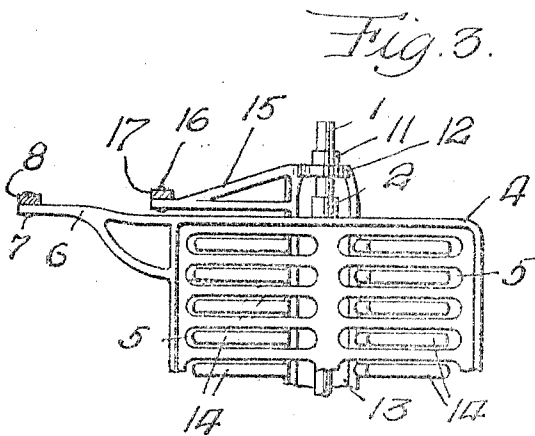


Fig. 3.

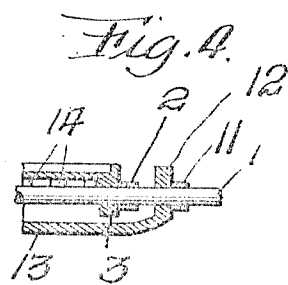


Fig. 4.

WITNESSES

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ATTACHMENT FOR FOOT-POWER-OPERATING MACHINES.

1,040,698.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUGUST KYINY, a citizen of the United States of America, residing at Monessen, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Attachments for Foot-Power-Operating Machines, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to an attachment for foot power operating machines, and the primary object of my invention is to provide an attachment that can be advantageously used in connection with sewing machines.

Another object of this invention is to provide a treadle operated machine with an auxiliary treadle that insures uniform operation of the machine.

A further object of this invention is to provide an attachment that is simple in construction, durable and applicable to various types of treadle operated machines.

With the above and other objects in view the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a cross sectional view of the attachment in one position, Fig. 2 is a similar view in another position, Fig. 3 is a plan of a portion of the attachment, and Fig. 4 is a longitudinal sectional view of a portion of the same.

The reference numeral 1 denotes a shaft adapted to be supported by a machine and pivotally mounted upon said shaft and retained thereon by washers 2 are the depending apertured ears 3 of a main treadle 4, said treadle being of a grate construction having transverse parallel slots 5, the slots being arranged in two rows at the longitudinal edges of the treadle. One end of the treadle has an extension 6 pivotally connected by pins 7 to a pitman 8 that is eccen-

trically connected by a pin 9 to a drive wheel 10 of the machine provided with the attachment.

Pivotally mounted upon the shaft 1, adjacent to the ends thereof, and retained thereon by washers 11, are the apertured end plates 12 of an auxiliary treadle 13, the body of said treadle being U-shaped in cross section and provided with transverse parallel tread pieces 14 corresponding in number to the slots 5, said tread pieces being positioned directly under the slots 5 to enter the same when the attachment is in operation. One end of the auxiliary treadle has an extension 15 pivotally connected by a pin 16 to an auxiliary pitman 17 that is pivotally mounted in the pin 9.

In operation, the feet are placed upon the main treadle 4 and by referring to Fig. 1, the attachment is in position for a toe action. When pressure is brought to bear in the toe action the tread pieces 14 of the auxiliary treadle are first moved thereby starting the wheel 10, it being understood that said wheel has been moved off center. The machine is thus gradually started before the toe action engages the main treadle 4, such pressure causing the heels to be removed from the main treadle 4 whereby the other set of tread pieces 14 can extend upwardly through the slots 5, as shown in Fig. 2.

What I claim is:—

An attachment for a foot operated machine comprising the combination of a drive wheel of a shaft, a rectangular main treadle provided at each end with a depending apertured ear mounted upon said shaft and means upon the shaft to prevent longitudinal movement of said treadle, said treadle provided with two rows of transversely extending parallel slots, one row being spaced from the other row, a longitudinally extending U-shaped auxiliary treadle positioned below said main treadle and having each end provided with an upwardly extending apertured plate mounted upon said shaft, means upon the shaft to prevent longitudinal

movement of the auxiliary treadle, said
auxiliary treadle of greater length than said
main treadle, oppositely extending spaced
tread pieces projecting from said auxiliary
5 treadle and capable of extending up through
said slots, an extension projecting from one
corner of the main treadle, an extension pro-
jecting from one end of the auxiliary

treadle, and a pitman connecting said ex-
tension to said drive wheel. 10

In testimony whereof I affix my signature
in the presence of two witnesses.

AUGUST KYINY.

Witnesses:

MARTIN LAYMAN,
J. LAYMAN.