

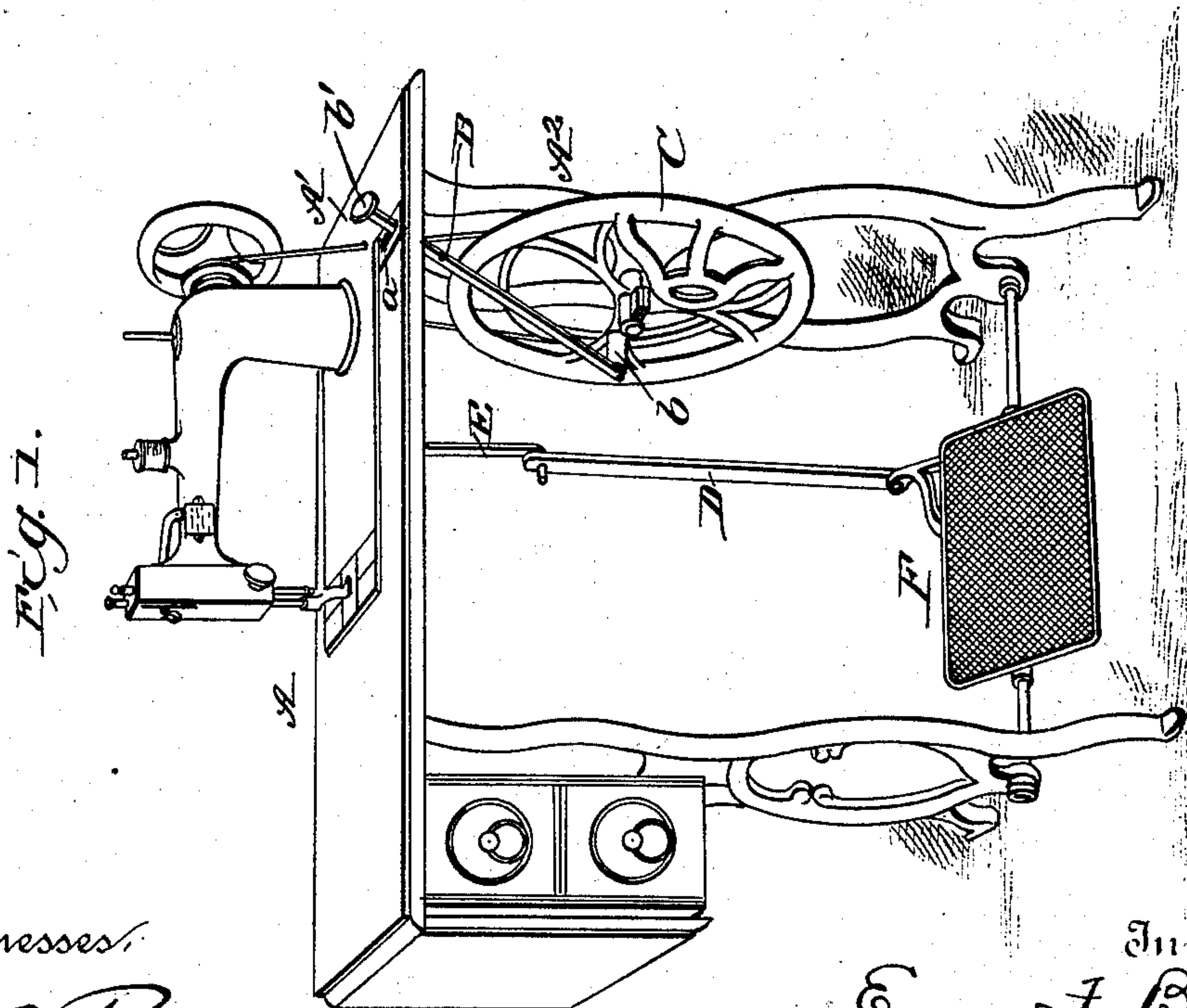
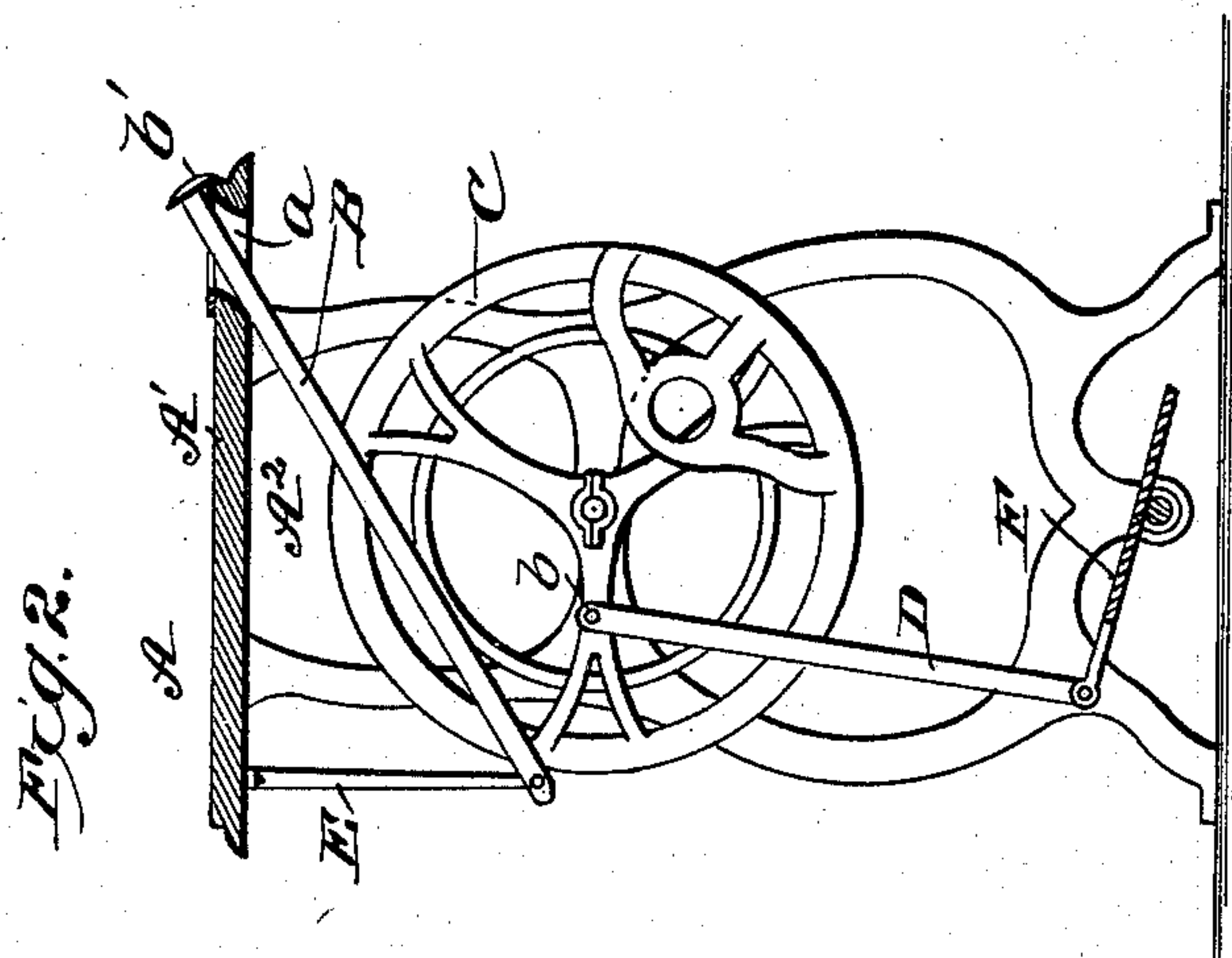
(No Model.)

E. F. BRIGGS.

MOTOR FOR SEWING MACHINES.

No. 388,393.

Patented Aug. 28, 1888.



Witnesses,

*John A. Ryan*  
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# UNITED STATES PATENT OFFICE.

EMMA FLORA BRIGGS, OF SAN MARCOS, TEXAS.

## MOTOR FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 388,393, dated August 28, 1888.

Application filed May 31, 1888. Serial No. 275,660. (No model.)

*To all whom it may concern:*

Be it known that I, EMMA FLORA BRIGGS, a citizen of the United States, residing at San Marcos, in the county of Hays and State of Texas, have invented a new and useful Improvement in Motors for Sewing-Machines, of which the following is a specification.

The invention relates to improvements in motors for sewing-machines.

Heretofore motors have been provided for sewing-machines capable of operating by either the hand or the foot; but the difficulty experienced in these machines is that during the operation of the machine by hand the treadle forms no substantial support for the feet, the pitman simply being disconnected from the driving-wheel and thrown back.

The object of the present invention is the production of a motor capable of rapid and convenient adjustment to permit operation by hand or foot, and which will obviate the above objection.

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

In the drawings, Figure 1 is a perspective view of a machine-table, showing the inclined hand-rod attached to the crank-arm of the drive-wheel and the pitman secured to the depending hook at the rear of the machine table to convert the treadle into a support for the feet during the operation of the machine by hand. Fig. 2 is a transverse sectional view showing the pitman attached to the crank-arm of the drive-wheel and the inclined hand-rod secured to the depending hook.

Referring to the accompanying drawings, A designates a table of a sewing-machine of ordinary construction provided in the top A' with a slot, *a*, through which passes an inclined hand-rod, B, the lower end of which is attached to the crank-arm *b* of a drive-wheel, C, which is mounted in the metal frame A<sup>2</sup> of the sewing-machine table A in the ordinary manner, while the upper end of the inclined hand-rod B is provided with a handle, *b'*, which extends through the slot *a* in the top A' of the sewing-machine table A, and by means of which the sewing-machine is operated when it is desired to relieve the feet.

The inclined hand-rod is constructed sufficiently long to extend the handle *b'* above the top of the machine such a distance that it

may be readily and conveniently grasped by the hand and allow vertical motion by which the said lever is operated; and to deaden the sound and render such motion as noiseless as possible the slot *a* in the top A, through which the inclined hand-rod passes, is lined with rubber, felt, or similar sound-deadening material.

When it is desired to operate the machine by hand, the pitman D is detached from the crank-arm of the drive-wheel C and secured to a hook, E, depending from the top A' and the rear of the machine-table, as is illustrated in Fig. 1 of the accompanying drawings, whereby a support for the feet is formed of the treadle F, which is a great desideratum. During the operation of the machine by foot-power the inclined hand-rod B is secured to the hook F, and the pitman D is attached to the crank-arm *b'* of the drive-wheel C.

The machine may be rapidly and conveniently adjusted in a moment to be operated either by the rod or the treadle to suit the preference of the operator, and in long and continued use of the machine this interchangeableness of the manner of operation affords a ready and effective means for resting the tired limbs of the operator, and the change may be made so quickly that there is no time lost by the person sewing.

From the foregoing description and the accompanying drawings the construction and operation and advantages of the invention will readily be seen, and I desire it to be understood that I do not limit myself to the precise details of construction herein shown and described, as I may without departing from the spirit of the invention make any minor changes therein.

Having thus described the invention, what I claim is—

As an attachment for the stand of a sewing-machine adapted for interchangeable motors, the depending hook designed to receive and support when out of use either the pitman or the inclined hand-rod, substantially as described.

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

EMMA FLORA BRIGGS.

Witnesses:

E. W. KYLE,

J. E. PRITCHETT.