No. 789,700. PATENTED MAY 9, 1905.

H. MANNING.

INDEPENDENT PORTABLE PROPELLING MECHANISM FOR SEWING MACHINES.

APPLICATION FILED JAN. 25, 1904.

FIG. 2.

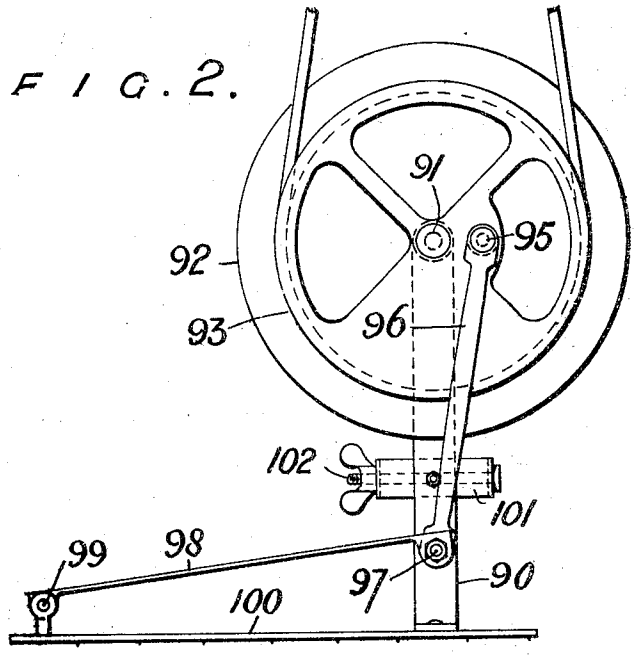
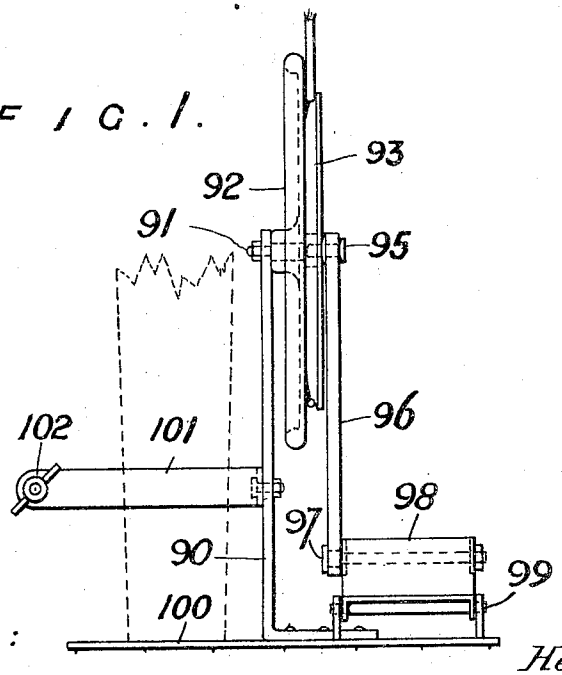


FIG. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

HENRY MANNING, OF LONDON, ENGLAND, ASSIGNOR TO JOSEPH LEO ROSENSCHEIN, OF NOTTINGHAM, ENGLAND.

INDEPENDENT PORTABLE PROPELLING MECHANISM FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 789,700, dated May 9, 1905.

Original application filed July 15, 1903, Serial No. 165,573. Divided and this application filed January 25, 1904. Serial No. 190,500.

To all whom it may concern:

Be it known that I, HENRY MANNING, engineer, a subject of the King of Great Britain, formerly of 46 Grays Inn road, and now resident of 1ª Foster Lane, in the city of London, England, have invented certain new and useful Improvements in Independent Portable Propelling Mechanism for Sewing-Machines, of which the following is a specification.

The present invention consists of separate portable treadle-operated driving-gear especially suitable for use in connection with sewing-machines, and is adapted to be held steady by the foot of the operator or to be removably attached to any ordinary table to which the sewing mechanism proper is fixed.

The invention is illustrated in the drawings, wherein—

Figures 1 and 2 represent, respectively, front and side elevations of the device.

The portable treadle-operated driving-gear comprises a strong but light frame entirely separate from that which carries the sewing mechanism proper adapted to be fixed to or held by any convenient abutment—such, for example, as the leg of the table upon which the sewing mechanism is clamped. An upright member 90 of this frame carries a horizontal stud 91, upon which a fly-wheel 92 and peripherally-grooved pulley 93 (which may be formed in one) are mounted to turn, the hand-wheel of the machine being also provided with a groove corresponding to the groove of the pulley 93, an endless driving-band being passed around both. The treadle-operated driving-gear when in use is of course so placed as to permit of the driving-band running freely over and communicating motion between the pulley 93 and hand-wheel. In the face of the pulley 93 is fixed an eccentric stud 95, which is coupled by a connecting-rod or pitman 96 to a stud 97 on a treadle 98, mounted to rock about a horizontal axis 99, carried by the frame 90. For fixing this driving-gear in position the base or sole plate of the frame may have a horizontal extension adapted to be pressed upon by the unoccupied foot of the operator or to be slipped beneath the foot of the table-leg, the plate 100 being preferably roughened on its under surface to prevent the frame slipping on the floor or carpet. A pair of suitably-padded clamping-jaws 101, with thumb-screw 102, are provided on the upright member of the frame, the jaws 101 consisting, preferably, of a pair of spring-steel blades of sufficient length to permit of the position of the frame 90 being adjusted to suit the horizontal distance of the table-leg (or other support upon which they are to be clamped) from the edge of the table-top upon which the sewing mechanism is secured.

I claim—

An independent portable propelling mechanism for sewing-machines, comprising a base-plate adapted to lie in flat engagement with the floor, an upwardly-extending standard rigidly mounted upon said plate about central of the forward end portion thereof, a cranked fly-wheel rotatably mounted at the top of said standard on one side thereof, a pitman depending from the crank of said wheel, a treadle located on the fly-wheel side of said vertical standard and near the adjacent side of the base-plate, said treadle being pivoted at its rear end to the rear end portion of the base-plate and at its forward end to said pitman, and a horizontally-extending clamp bolted to said standard on the opposite side thereof from the treadle and adapted to engage the support upon which the machine to be operated is borne up, said base-plate projecting out from the supporting-standard in the same direction as the clamp, said projecting portion being adapted for the machine-support or for the foot of the operator to rest upon, whereby to assist in holding the base-plate in firm engagement with the floor.

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Witnesses:
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