

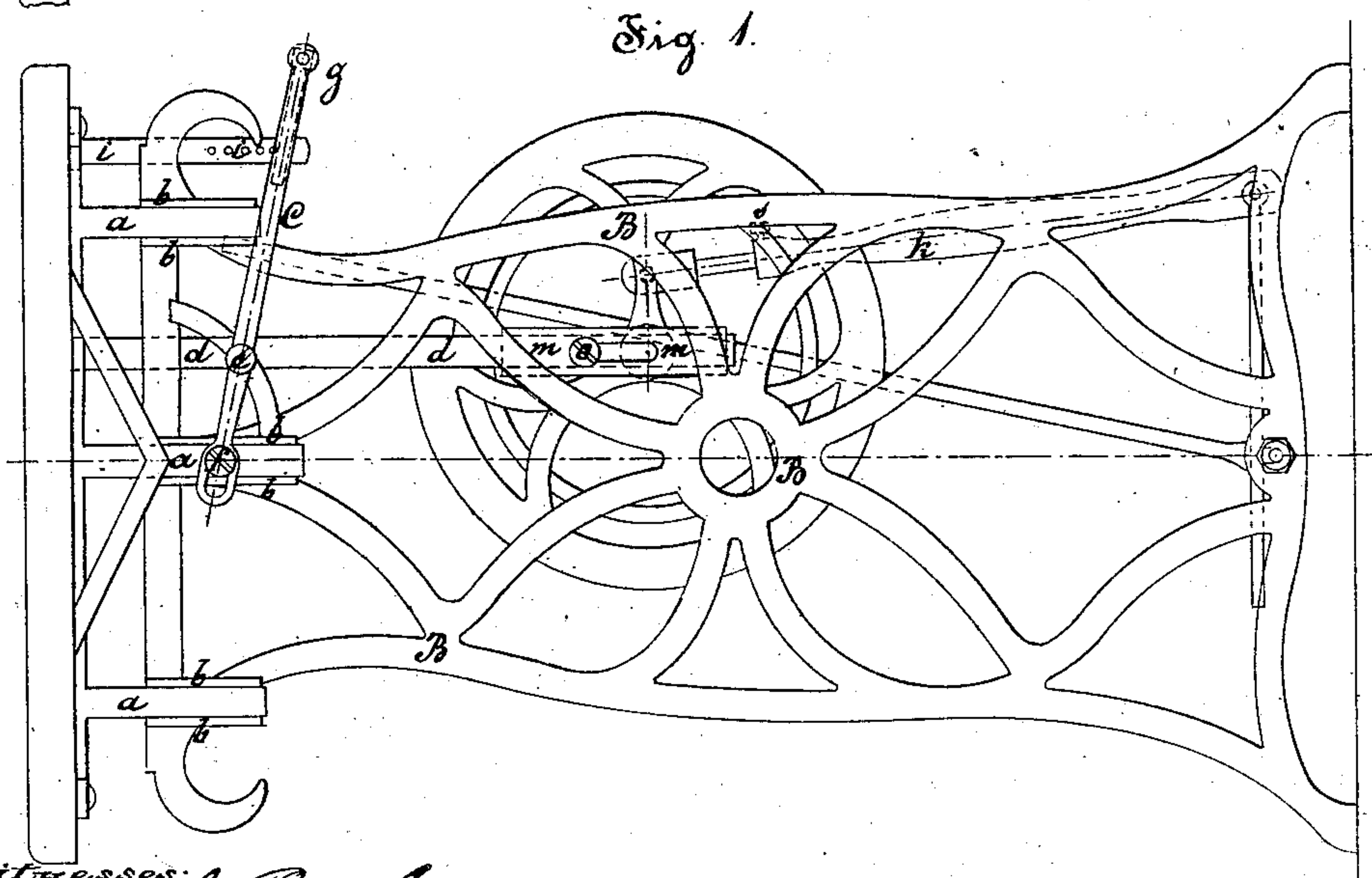
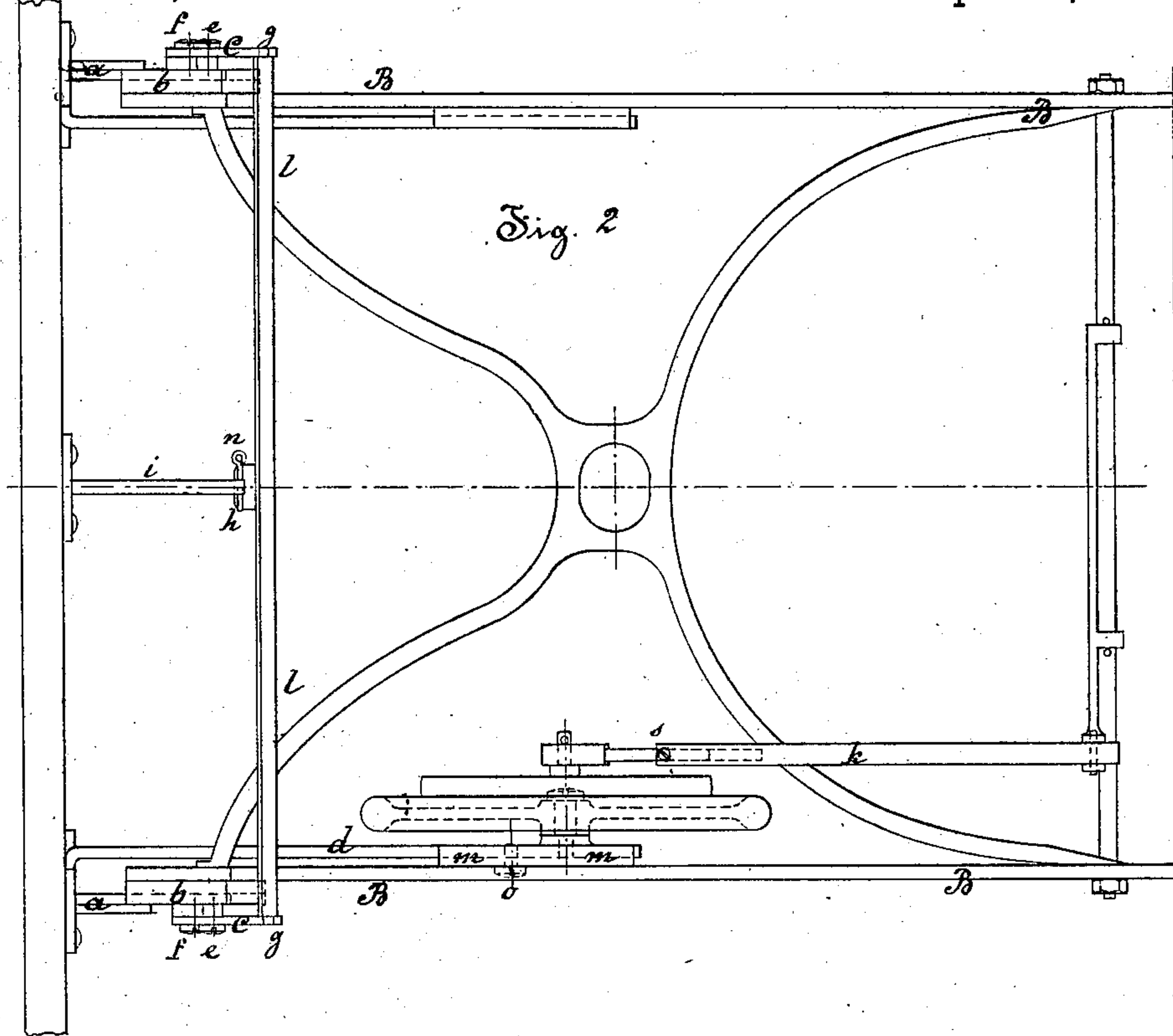
(No Model.)

R. LEY.

ADJUSTABLE TABLE AND DRIVING MECHANISM FOR SEWING MACHINES

No. 256,338.

Patented Apr. 11, 1882.



witnesses:
Kerith Roth
Ruggs P. 4 of 5

The Inventor:
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UNITED STATES PATENT OFFICE.

RUDOLPH LEY, OF ARNSTADT, GERMANY.

ADJUSTABLE TABLE AND DRIVING MECHANISM FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 256,338, dated April 11, 1882.

Application filed October 15, 1880. (No model.) Patented in Austria July 22, 1880, and in Germany September 14, 1880.

To all whom it may concern:

Be it known that I, RUDOLPH LEY, of Arnstadt, in the Empire of Germany, have invented certain new and useful Improvements in Adjustable Table and Driving Mechanism for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification.

The present invention has for its object to furnish a sewing-machine table and band-pulley and treadle mechanism which can be adjusted in a vertical direction, so as to adapt the sewing-machine for persons or operators differing in height.

The invention consists in the construction and combination of parts, which will be hereinafter more fully described, and then set forth in the claims.

In the drawings, Figure 1 is a side elevation of a sewing-machine table embodying my invention. Fig. 2 is a front elevation thereof.

The letter B designates a sewing-machine frame, the upper horizontal bars of which are constructed or provided with grooved ways or guides *b*, in which are fitted tongues or short arms *a*, projecting from the under side of the table-top. The guides and tongues are generally connected by a dovetail joint, so as to prevent the disengagement thereof.

The table-top can be adjusted up and down in relation to the frame, so as to carry the sewing mechanism mounted on said frame to such a height or position as will suit the height of the operator or person working the machine. This adjustment of the table-top is effected through the medium of a lever-frame, C, and means for locking the same.

The lever-frame is composed of two side bars, which are pivoted at the point *e* to suitable arms on the frame and project beyond said frame, so as to be connected by the cross-bar *l*. The inner ends of the side bars of the lever-frame are slotted, so as to engage with the bolt *f*, applied to each middle guide-arm of the table-top.

A hanger or arm, *i*, extending from the under side of the table-top, is suitably perforated, and serves, in connection with a forked arm, *h*, and transverse pin *i*, carried by the transverse bar of the lever-frame, to retain the latter in a

fixed position. The table-top also carries a long downwardly-projecting arm, *d*, which extends alongside the frame of the machine, and is guided and retained by the grooved guide plate or way *m*, secured to the side of the frame.

The arm *d* has the arbor or shaft of the driving-wheel or band-pulley rigidly secured thereto. Said band-pulley is connected with the machine proper by the customary belt, and is driven through the medium of the foot-treadle and pitman *k*, connected with said treadle and the crank or wrist-pin of the band-pulley. The pitman *k* is made in two parts, the upper solid part thereof sliding in the lower hollow part, and being adjustably secured thereto by the set-screw *s*. A set-screw, *o*, connected with the arm *d*, which carries the band-pulley, moves in a vertical slot made in the guide-plate of said arm, and serves as an auxiliary medium for forming a rigid connection between the table and the frame.

It will readily be understood that when the table-top is adjusted through the medium of the lever-frame the band-pulley is carried with said top, so as not to change the position of the driving-belt. The set-screw *s* of the pitman having been loosened, the latter can also be adjusted or drawn out, so as to adapt itself to the position of the band-pulley.

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

1. In a sewing-machine table, the combination of the pivoted lever-frame comprising the lateral arms *c* and transverse bar *l*, carrying a locking device, with the vertically-adjustable table-top provided with guide-tongues *a* and a retaining-arm, *i*, for the lever-frame, and the sewing-machine frame having grooved ways or guides *b*, as and for the purpose set forth.

2. In a sewing-machine table, the combination of the vertically-adjustable table-top having a pendent arm, *d*, carrying the driving or band pulley, and the sewing-machine frame provided with a guide-piece, *m*, for receiving said arm, and the treadle having an extensible pitman, *k*, as and for the purpose set forth.

RUD. LEY.

Witnesses:

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