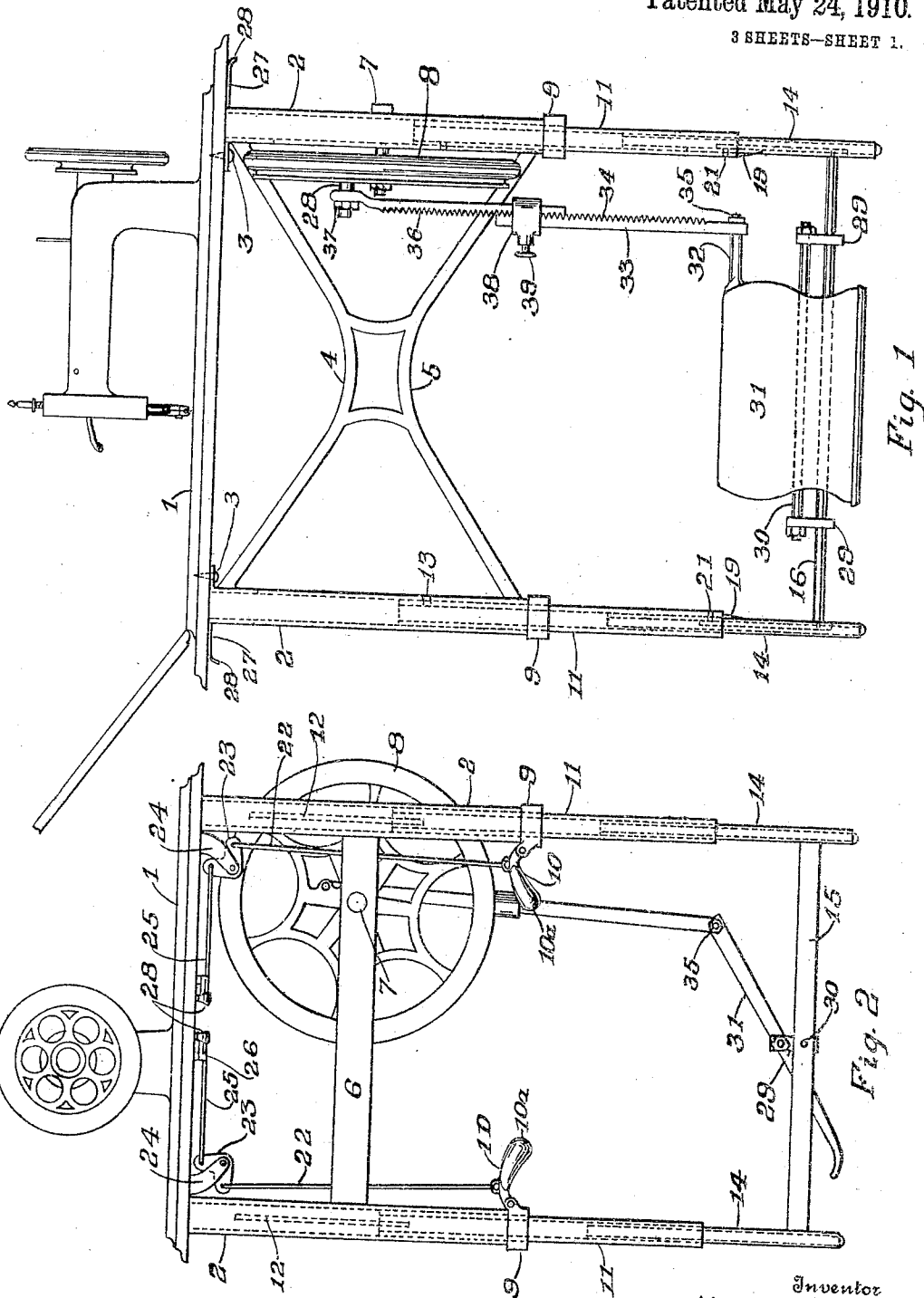


V. GIBBINS.
ADJUSTABLE SEWING MACHINE TABLE.
APPLICATION FILED APR. 16, 1909.

958,800.

Patented May 24, 1910.

3 SHEETS—SHEET 1.



Witnesses
H. R. Bowman
M. M. Miller

Inventor
Virginia Gibbins

By D. Swift & Co.
Attorneys

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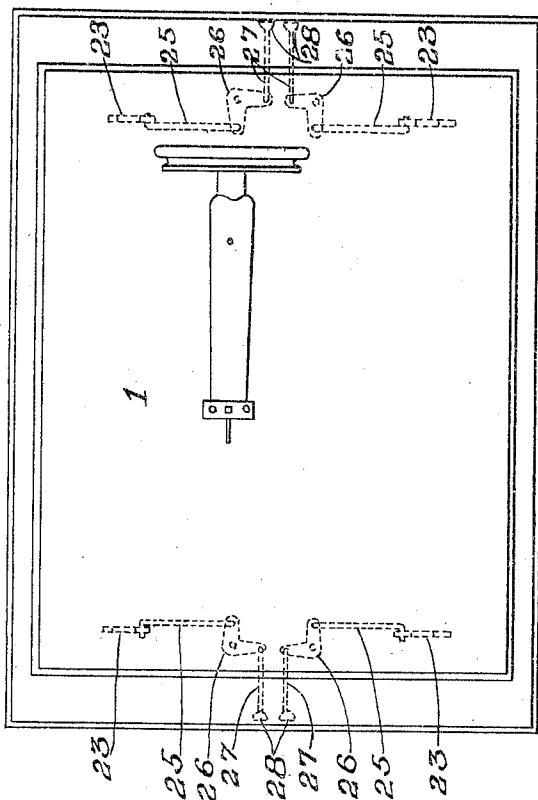


Fig 6

Fig. 9

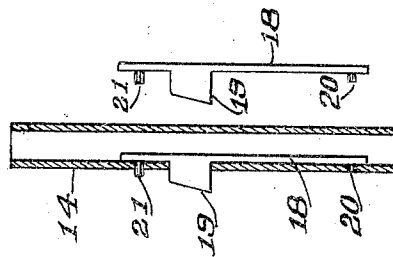
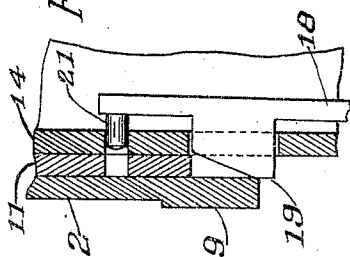


Fig. 5

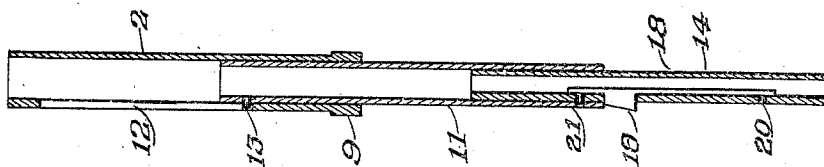


Fig. 4

Inventor

Virginia Gibbins

Witnesses

H. R. Bowman

M. M. Miller

By D. Swift & Co.

Attorneys

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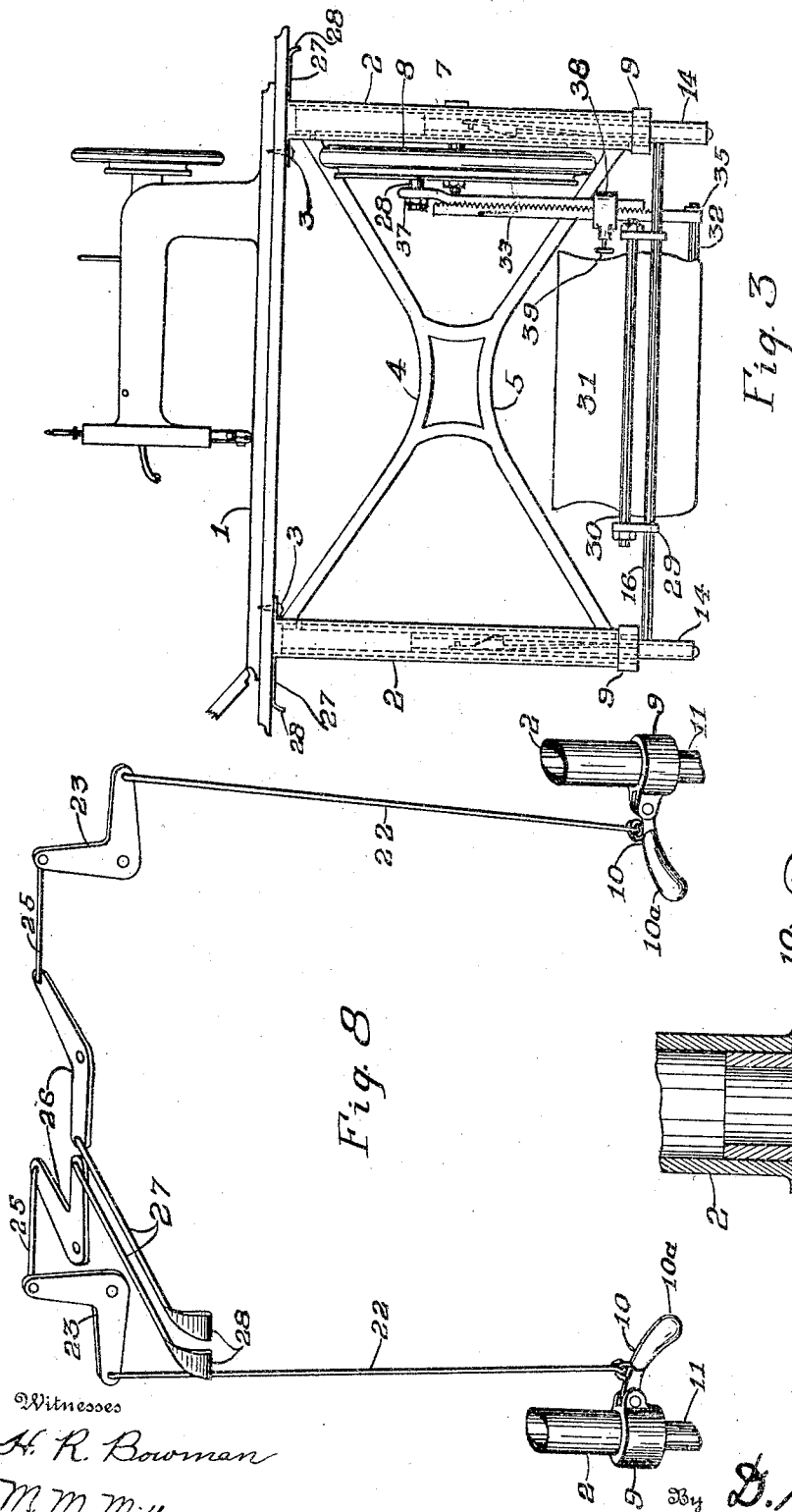


Fig. 3

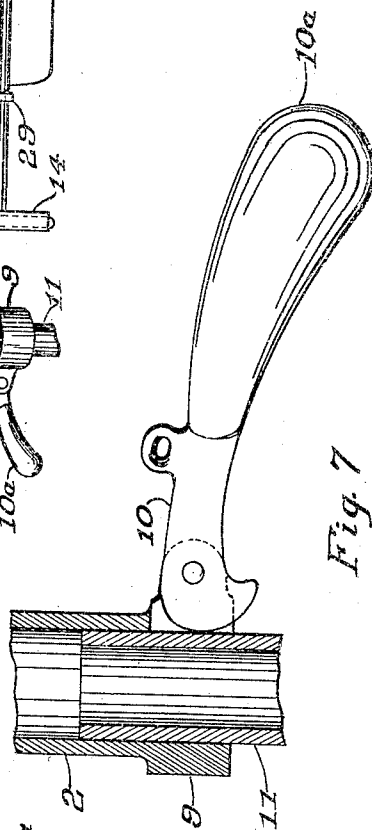


Fig. 7

Witnesses
 H. R. Bowman
 M. M. Miller

Inventor
 Virginia Gibbins

D. Swift & Co.

Attorneys

UNITED STATES PATENT OFFICE.

VIRGINIA GIBBINS, OF FRUITVALE, CALIFORNIA.

ADJUSTABLE SEWING-MACHINE TABLE.

958,800.

Specification of Letters Patent.

Patented May 24, 1910.

Application filed April 16, 1909. Serial No. 490,397.

To all whom it may concern:

Be it known that I, VIRGINIA GIBBINS, a citizen of the United States, residing at Fruitvale, in the county of Alameda and State of California, have invented a new and useful Adjustable Sewing-Machine Table; and I do hereby 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 sewing machine tables, and embraces the construction of an adjustable table having improved operating means.

One of the objects of the invention is the construction of a sewing machine table capable of being readily adjusted to various heights and having connections with a lever operating mechanism whereby the adjustment may be quickly effected.

Another object of the invention is the construction of a sewing machine table having telescopic legs and lever means for controlling the adjustment of the legs.

A still further object of the invention is the construction of an improved adjustable sewing machine table and an improved adjustable treadle operated pitman whereby the machine may be quickly adjusted to different heights for various persons.

With the above and other objects in view, the invention embraces certain constructions, combinations and arrangement of parts clearly described in the following specification and illustrated in the accompanying drawings, in which,

Figure 1 is a front elevation of a table showing the legs extended. Fig. 2 is an end elevation thereof. Fig. 3 is a front elevation showing the table legs telescoped. Fig. 4 is a longitudinal sectional view of a table leg. Fig. 5 is a detail view of a lower table leg member. Fig. 6 is a detail bottom plan view of a lever operating mechanism, and Fig. 7 is a detail sectional view of a clutch. Fig. 8 is a perspective view of the lever operating mechanism. Fig. 9 is a detail sectional view through the members 11 and 14, clearly showing the parts 18, 19 and 21.

Referring to the accompanying drawings which are prepared for illustrative purposes and accordingly not drawn to scale, 1

denotes a table top which may be formed in the conventional manner and provided with a machine of the usual pattern. On the under side of the table top, upper leg sections 2 are secured by means of screws 3 and said leg sections are formed hollow and braced by rear bars 4 and 5 and horizontal side bars 6. On the right side bar 6, a shaft 7 is journaled in a bearing and a drive wheel 8 of the usual type is mounted thereon. The leg sections 2 are formed on their lower ends with enlarged portions 9 which are slotted for the reception of friction clutch members 10 pivotally secured within said slots, so as to bear against telescopic leg members 11 adapted to slide within the upper leg members 2. The upper leg members are further provided with longitudinally extending slots 12 and the telescopic leg members 11 are provided with pins 13 adapted to slide in said slots 12. The telescopic leg sections 11 are also formed hollow so as to receive lower leg sections 14 which are united near their lower ends by horizontally extending side bars 15, which side bars support a treadle holding bar 16. The upper end of the lower leg 14 is preferably formed hollow and provided with a slot 17, in which an inclined stop arm 19, (of the holding spring 18) is adapted to move; the spring 18 is secured by a pin 20 to the upper end of the bottom leg member 14, and carries on its upper end a laterally extending pin 21, which is adapted to partially engage an opening or aperture located near the lower end of the intermediate leg section 11.

When the leg members are extended in the positions indicated in Figs. 1 and 2, the pin 13 of the intermediate leg member 11 will engage the lower end of the slot 12 of the upper leg member, and the shoulder of the inclined stop arm 19 will engage the lower end of intermediate leg member 11, while the pin 21 will enter the adjacent opening in said intermediate leg so as to effectively hold the legs extended. The friction clutches are preferably weighted at 10° so as to automatically bear against the adjacent portions of the intermediate leg members 11, and said clutch members are pivotally connected with upwardly extending rods 22 having pivot connections with

rocker arms 23 pivotally secured by means of plates 24 with the under side of the table top 1. The remaining ends of the rocker arms 23 connect with horizontally extending rods 25 which in turn are connected to rocker arms 26 pivotally secured to the under side of the table top 1. The rocker arms 26 are located centrally of the front and rear edges of the table top and near the opposite ends thereof and are connected to outwardly extending operating rods 27 which are provided on their ends with hand holds 28. Normally, the friction clutches 10 hold the intermediate leg members 11 in fixed positions on the upper leg members 2 and when it is desired to slide said intermediate leg members on the upper leg members, the friction clutches 10 are operated by moving the operating rods 27 outwardly, which action transmits motion to the vertical rods 22 and withdraws the bearing surface of the friction clutches 10 from engagement with the intermediate leg members 11. When it is desired to telescope the lower leg members within the intermediate leg members, the inclined stop arms 19 and the adjacent pins 21 of the holding spring 16 are moved inwardly thereby allowing the lower leg members to slide freely within the intermediate leg members.

The drive wheel 8 is provided with the usual pitman connecting arm 28 and the treadle supporting bar 16 has secured thereon upstanding bearing blocks 29 which pivotally support a shaft 30 having a treadle 31 mounted thereon. The treadle 31 is formed with a bearing arm 32 and a pitman section 33 having a notched or serrated edge 34 is connected by means of a bolt 35 thereto, and a second pitman section 36 formed with a similarly notched edge adapted to engage with the edge 34 is secured by means of a nut 37 with the arm 28 of the drive wheel 8. The pitman sections 33 and 36 are adapted to slide within a clamping block 38 having a clamping screw 39 thereon which is adapted to force the notched edges of the pitman members against each other. By loosening clamping screw 39, the pitman sections 33 and 36 may be adjusted to correspond with the adjustment of the table leg.

My improved adjustable table and adjustable pitman can be used in connection with drop head sewing machines or with the older type of sewing machines and in no way interferes with the drive mechanism or constitutes an obstruction for the machine or drawers thereof.

I claim:—

1. In a device as set forth, a table top, a plurality of hollow leg sections secured to the under side thereof, friction clutches pivotally secured to the lower ends of said leg

sections, intermediate leg sections slidable within the first leg sections adapted to be engaged by the friction clutches, means having connections with said clutches for operating the same, lower leg sections slidable within the intermediate leg sections and provided with slots, said lower leg sections being hollow and having spring members secured therein having inclined stop-arms designed to project through said slots, said inclined stop arms being adapted to be coöperated with by the lower ends of the intermediate leg sections so as to hold the lower leg sections extended, said lower leg sections and said intermediate leg sections having registering apertures or openings, said spring members having pins to extend through said apertures, in order to hold said lower and intermediate leg sections extended, said first named leg sections and the intermediate leg sections having slot and pin connections in order to guide the sections when being extended.

2. In a device as set forth, a table top, a plurality of hollow leg sections secured to the under side thereof, friction clutches pivotally secured to the lower ends of said leg sections, intermediate leg sections slidable within the first leg sections adapted to be engaged by the friction clutches, means for operating said clutches, lower leg sections slidable within the intermediate leg sections and provided with slots, said lower leg sections being hollow and having spring members secured therein having inclined stop-arms designed to project through said slots, said inclined stop arms being adapted to be coöperated with by the lower ends of the intermediate leg sections so as to hold the lower leg section extended, said lower leg sections and said intermediate leg sections having registering apertures or openings, said spring members having pins to extend through said apertures, in order to hold said lower and intermediate leg sections extended, said first named leg sections and the intermediate leg sections having means in order to guide the sections when being extended.

3. In a device as set forth, a table top, a plurality of hollow leg sections, intermediate leg sections, friction members for holding the intermediate and the first named leg sections in adjusted positions, means for operating the friction members, means for guiding the first named and intermediate leg sections when being adjusted, lower leg sections slidable within the intermediate leg sections and provided with slots, said lower leg sections being hollow and having spring members secured therein having inclined stop-arms designed to project through said slots, said inclined stop arms being adapted to be coöperated with by the lower ends of the

intermediate leg section so as to hold the
lower leg section extended, said lower leg
sections and said intermediate leg sections
having registering apertures or openings,
5 said spring members having pins to extend
through said apertures, in order to hold said
lower and intermediate leg sections extended.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

VIRGINIA GIBBINS.

Witnesses:

J. T. GIBBINS,
M. N. EDDY.