Nov. 5, 1940. L. F. STEIN ET AL 2,220,868

ELECTRIC SEWING MACHINE TABLE

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Fig. 1

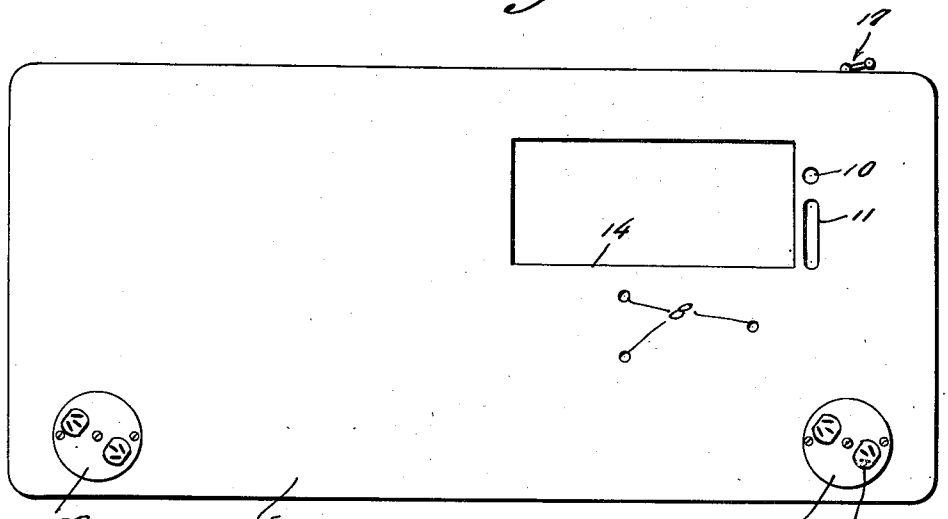


Fig. 3.

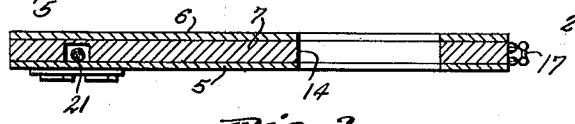


Fig. 2

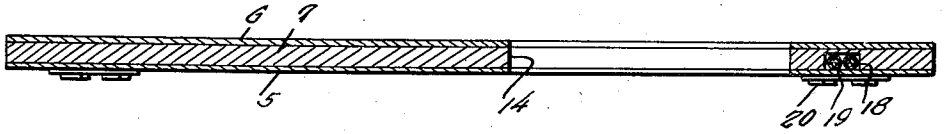
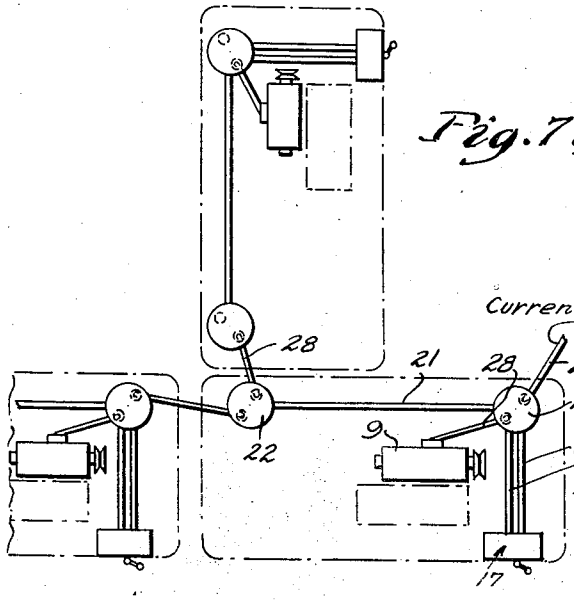


Fig. 7.



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Fig. 4.

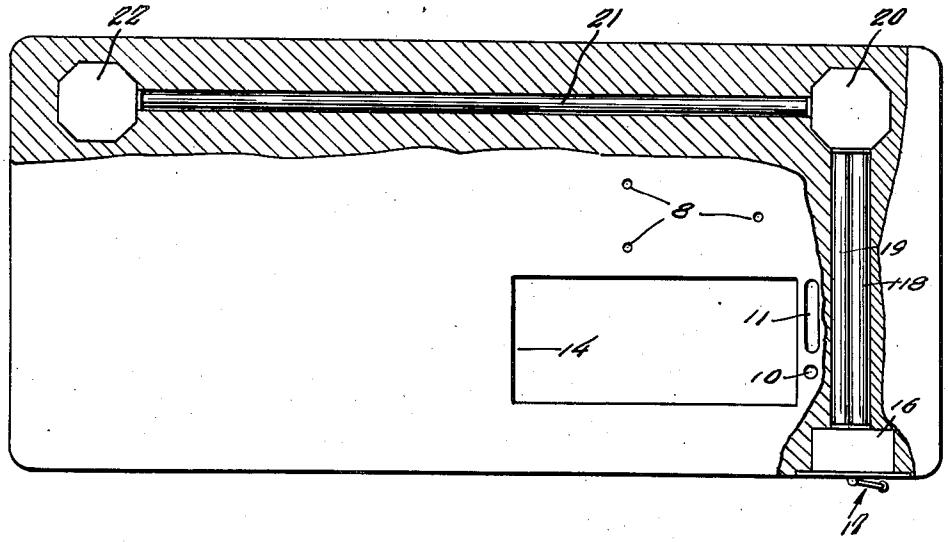


Fig. 5.

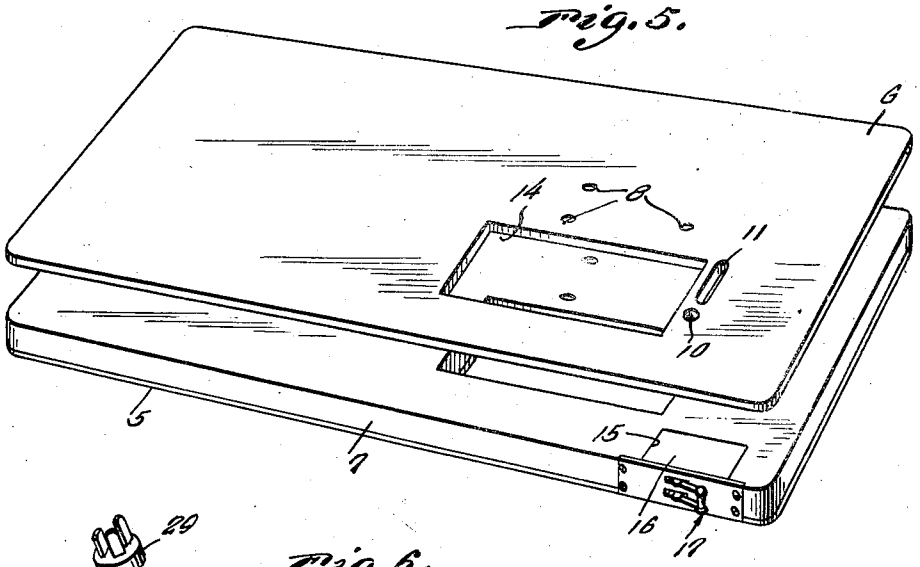
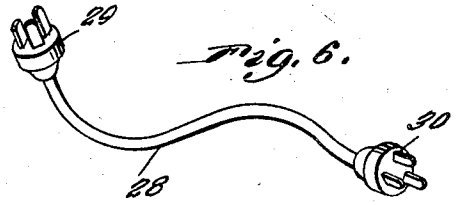


Fig. 6.



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ELECTRIC SEWING MACHINE TABLE

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California, Mo.

Application October 4, 1938, Serial No. 233,307

1 Claim. (Cl. 311—12)

This invention relates to new and useful improvements in the art of sewing and more particularly to a table for electric sewing machines, whereby the machines can be electrically connected in a convenient and systematic manner.

The principal object of the present invention is to provide an electric sewing machine table constructed in such a manner that a multiplicity of these tables can be connected in such a manner that they can be conveniently separated yet do not have electrical cords or conductors lying loose and scattered on the floor or bridging spaces between machines.

Other objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:

Figure 1 is a bottom plan view of the table top.

Figure 2 is a longitudinal cross sectional view of the table top.

Figure 3 is a transverse cross sectional view thereof.

Figure 4 is a plan view with part of the top removed to show the conduits mounted.

Figure 5 is a perspective view showing the top ply elevated.

Figure 6 is a perspective view of one of the jumpers.

Figure 7 is a diagrammatic view disclosing how the machines are mounted and electrically connected.

Referring to the drawings wherein like numerals designate like parts, it can be seen that the table consists of the bottom ply 5, the top ply 6 and the intermediate ply 7. Each of these plies is formed with the openings 8 through which securing means is disposed for securing the motor 9 in place. Furthermore, an opening 10 and a slot 11 are formed for the belt 12 of the sewing machine proper 13 which is mounted over the rectangular-shaped opening 14 which extends through all three plies.

In the intermediate ply 7 a cut out 15 is made to accommodate the switch box 16 containing the three pole switch mechanism generally referred to by numeral 17. As shown in Figure 4, a pair of conduits 18 and 19 extend from the switch box 16 to the outlet box 20 at one back corner of the table top while extending from the outlet box 20 is the conduit 21 which extends to the outlet box 22 at the other rear corner of the table top. As is shown in Figure 3, the lower portion of these outlet boxes 20 and 22 extend below the bottom ply 5 by extending through openings therein so that the sockets 23 therein are accessible.

These outlet boxes and switch are wired by having the conductors extend from the contact of one socket of the outlet box 20 to the switch 17 at one side thereof while the wires extend from the other side of the switch 17 through the conduit 19 back to the contacts of the other socket of the outlet box 20. Also extending through the first-mentioned socket of the box 20 are the wires which extend to the socket 23 of the box 22 and connect thereto in multiple as is clearly shown in Figure 10.

Thus as can be seen in Figure 7, the current supply line 27 can be plugged in to one of the outlet boxes 20 so that current is not only supplied to the present machine but also passes by way of the conduit 21 to the outlet box 22 from which a jumper 28 can be employed and provided with plugs 29 and 30 at the opposite ends thereof to connect this outlet box with the outlet box of an adjacent machine or machines as shown in Figure 7. Furthermore, a jumper such as is shown in Figure 6 can be used for connecting a socket of the outlet box 20 with the motor 9.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:

In combination, a plurality of table tops adapted to be electrically connected to each other in a contiguous series for supporting a series of electric motor driven machines having the general dimensions of sewing machines for factory use, said tops including a bottom ply, an intermediate core member and a top ply having means for securing a machine thereto, outlet boxes embedded in the rear corners of said core member and concealed and protected therein by said ply members, sockets extending from the outlet boxes through said bottom ply, a switch near the front portion of said tops, a conduit embedded in said core member extending from one rear outlet box to said switch, a connection between one of the sockets of one of the outlet boxes and the motor of one of said machines, a current supply line to the other socket of the same outlet box, connections extending through the conduit from the last mentioned socket to the first mentioned socket by way of said switch and connections between the second mentioned socket and the sockets of the other outlet box, whereby said tops may be connected with a source of electric current, for the selective or concurrent operation of said machines.

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