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B. EARL

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IRONING ATTACHMENT FOR SEWING MACHINES

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Fig. 1

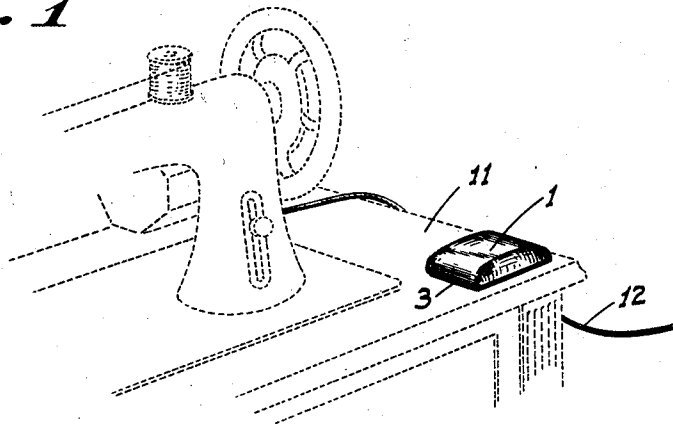


Fig. 2

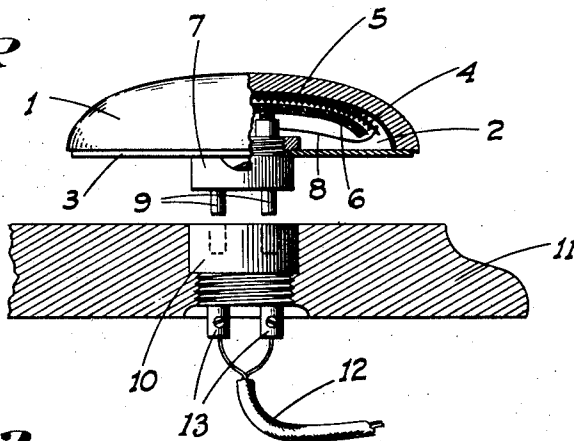
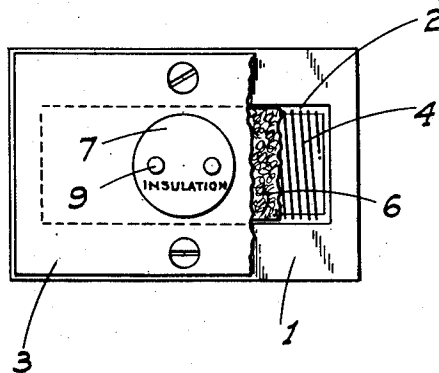


Fig. 3



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IRONING ATTACHMENT FOR SEWING
MACHINES

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Application February 8, 1933, Serial No. 655,743

1 Claim. (Cl. 219—21)

This invention relates to electric irons, the principal object being to provide an iron of this general character adapted to be rigidly yet removably mounted in connection with a sewing machine table and arranged so that the operator of the machine can utilize the iron when necessary without leaving her seat at the machine.

The iron is of small size and is particularly designed and intended to be used in smoothing out hems and the like when sewing the same and which operation at present can only be accomplished, with considerable inconvenience and loss of time, by the operator getting up from the machine and using a regular full sized iron.

My improved iron when mounted in position does not interfere with sewing operations and when removed may be kept in a drawer of the machine cabinet, leaving the table perfectly smooth and unobstructed.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purpose for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claim.

In the drawing similar characters of reference indicate corresponding parts in the several views:

Fig. 1 is a fragmentary perspective outline of a sewing machine table showing my improved electric iron mounted thereon in position for use.

Fig. 2 is a side view of the iron partly in section showing the same adjacent but detached from its supporting socket.

Fig. 3 is a bottom plan view of the iron partly broken out.

Referring now more particularly to the characters of reference on the drawing, the iron comprises a relatively thick body 1 preferably of rectangular form with its top surface curving so that no sharp edges are formed and polished to smoothly engage any fabric passed over the same. The body is formed with a longitudinal recess 2 open to the bottom, which is covered by a removable plate 3. An electric heating element 4 of suitable design is mounted in the recess and follows the top contour of the same, there being of course an insulation sheet such as a strip of mica 5 mounted between the element and the body. A relatively heavy heat insulating sheet 6 is disposed in the recess under the element.

A male plug element 7 is mounted in the cover centrally of its area, this plug projecting inside the recess 2 and being connected to the heating element by means of suitable leads such as indicated at 8. This plug member may also serve if desired to hold the sheet 6 centrally of its ends in contact with the heating element, as shown.

The contact posts 9 depending from the plug member 7 are adapted to removably engage sockets in the cooperating female plug member 10. This member is countersunk in the machine table 11 so as to be flush with the top surface of the same, wires 12 being connected to posts 13 depending from the bottom of the plug member 10. These wires may be connected to a plug for direct connection to a wall outlet or electric light socket, but if the machine is electrically operated said wires are preferably tapped into the wires leading to the motor of the machine so that one extension cord and plug serves both purposes.

In operation the wire is supported by the engagement of the plug members with each other, which hold the iron spaced from the table so that there is no danger of the latter becoming scorched and which of course also serves to connect the exterior wires with the heating element. Overheating of the table is also prevented by the construction of the iron itself which prevents the heat of the element from being directly imparted to the bottom plate 3 which of course is nearest the table. Tipping and turning of the iron is prevented by the engagement of the posts 9 with the lower plug sockets, so that without having to hold the iron the goods may be pressed by running the same back and forth over the iron with a downward pressure until the desired result is attained.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfills the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention, as defined by the appended claim.

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

An electric ironing attachment for a sewing machine table comprising a body having a top ironing surface, a heating element mounted in the body, a short rigid plug member connected to the element and rigid with and depending from the body, contact posts depending from the plug member, and a cooperating plug member countersunk in the table so that its upper end is flush with the top of the table, said last named plug member supporting the first named plug member and having sockets in its upper end to removably receive the posts as well as binding posts accessible from under the table.

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