March 28, 1950 B. T. STOVERS 2,501,747

IRONER

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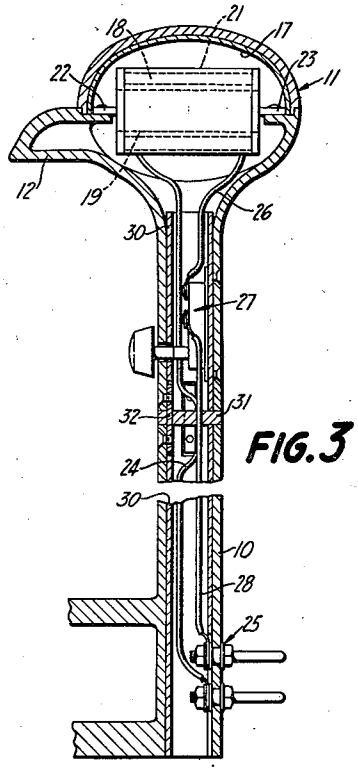


FIG. 3

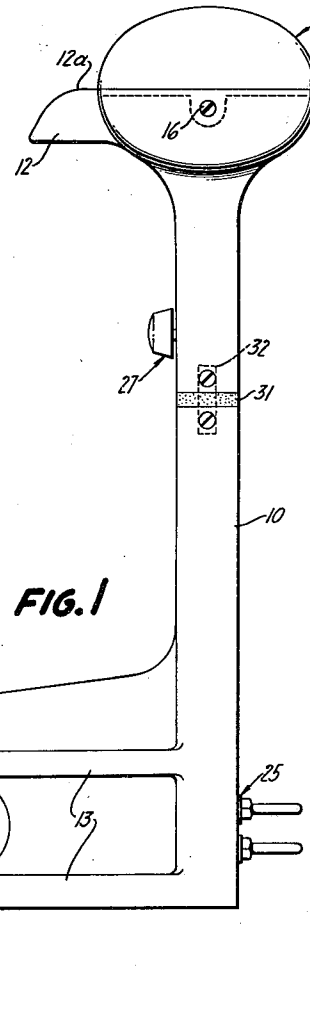


FIG. 1

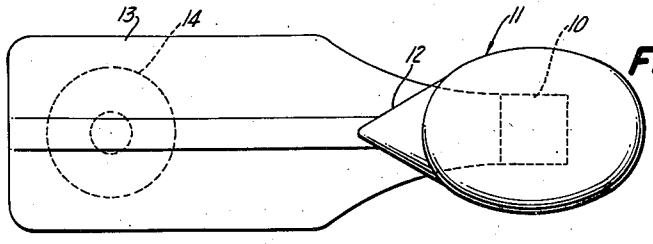


FIG. 2

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IRONER

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2 Claims. (Cl. 38—99)

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The present invention relates to ironers and is concerned more particularly with an ironer of special construction which can be employed to iron portions of garments and other articles which are difficult with an ordinary electric iron.

The ironing of clothing or other articles having pleats of all types, puffed sleeves, ruffles, gathers, skirt tops, laces, such as children's dresses, pinafores, and the like, with an ordinary electric iron is difficult and tedious and does not usually result in a satisfactory ironing job.

In accordance with the instant invention, an ironer or ironing head is provided having a projecting ironing tip to which the various portions of difficult ironing characteristics can be easily applied to obtain a satisfactory and fast ironing job.

In the drawings, Figure 1 is a side elevational view of the ironer.

Figure 2 is a plan view.

Figure 3 is a vertical sectional view.

Referring to the drawings, the ironer includes the upright tubular standard 10 on which a generally rounded, ovate, or egg-shaped ironing head body 11 is formed and having at one end thereof a projecting ironing tip 12 which is of general triangular shape as viewed in plan, and in side elevation is convexly curved at the top and flat at the bottom. At the base of the standard 10 there are provided a pair of projecting bracket arms 13 by means of which the standard can be attached to an ironing board, table or the like, and secured in position by clamping screw 14.

Referring in particular to Figure 3, the upper end of the standard 10 is formed as the lower half of the ellipsoid-like or ovate head 11 and includes the projection 12 formed therewith. The upper half of the head 11 is complementary to the lower half and may be secured thereto by countersunk screws 16. This upper half may be lined with an asbestos lining 17 to prevent uneven heating of this portion of the ironer. It will be noted that the projection 12 has its upper surface 12a extending from an intermediate surface of the ironing head 11 and forming substantially a right angle therewith and then curves convexly and downwardly to the pointed tip of the projection.

The head body 11, being formed as a surface of revolution, has its major axis horizontal, and the upper surface of the tip 12 joins the body 11 a substantial distance below the top of the body 11, and in the form shown substantially at the level of the major axis of the body.

Within the ironing head there is secured a

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cylindrical heating element including a spiral coil of asbestos covered wire 18 which is wound about a core 19 and is covered by asbestos insulating shielding 21. This coil is mounted by supports 22 and 23 in central position within the head 11 and has one wire 24 extending to the terminal block 25 and the other wire 26 extending to a combination switch and thermostat unit 27 of conventional construction. This thermostatic switch 27 is preferably of the type providing for different ranges of heat of the coil 18 so that it can be adjusted to the desired temperature in accordance with the material being ironed. The switch 27 is connected by a wire 28 to the terminal block 25.

Preferably, the standard 10 is lined with an asbestos tubing 30 to prevent the transmission of heat thereto and to maintain this portion of the ironer cool. Also, the standard 10 is made in two pieces separated by a heat insulating washer 31 and the upper and lower halves of the standard may be suitably connected by supporting strips 32. The washer 31 serves to impede the transfer of heat from the head down to the base of the ironer.

In operation the ironer is installed on the stand and is connected in the usual fashion by an electric cord to the source of electricity and the thermostatic switch is adjusted to the proper temperature for the ironing operation to be carried out. After the required heat has been obtained in the ironing head if a portion of a garment, for example, a puffed sleeve is to be ironed, the sleeve is inserted over the head portion thereof and is worked back and forth until the ironing is accomplished. In ironing ruffles, gathers, lace, pleats, and the like, and in ironing around buttons on women's blouses and other portions of garments which are difficult of access with an ordinary iron, the garment is grasped in the fingers and is placed over the projecting tip 12. In ironing wider ruffles on the head portion, the seam of the ruffle is engaged in the corner between the head surface and the upper surface 12a of the tip so that the entire width of the ruffle and the seam can be simultaneously engaged with the ironing head. The garments can be moved easily into a desired location with respect to the ironing tip and the garment is moved back and forth on the tip 12 with two adjacent fabric strip zones in mutually angular relation respectively engaging adjacent parts of the tip 12 and the body 11 until the desired ironing is accomplished. The curved and generally triangular shape of the tip 12 facilitates its use in inaccessible and hard to get at portions of a garment.

While I have shown and described certain preferred embodiments of the invention, it is apparent that the invention is capable of variation and modification from the forms shown so that its scope should be limited only by the scope of the claims appended hereto.

I claim:

1. In an ironer for ruffles, pleats, gathers, and the like, an ironing head comprising a body formed generally as a surface of revolution, and an ironing tip projecting from said body, said tip being generally triangular in horizontal section and having an upper surface which meets said body at the base of said triangular shape, said tip upper surface joining said body a substantial distance below the top of said body and extending outwardly from said body and curving convexly downwardly to the apex of said triangular shape, the upper surface of said tip and the adjacent surface of said body above the tip forming substantially a right angle included within intersecting parts of said tip and said body for ironing simultaneously two adjacent fabric strip zones in mutually angular relation.

2. In an ironer for ruffles, pleats, gathers, and the like, an ironing head comprising an ovate

body with its major axis horizontal, and an ironing tip projecting from said body, said tip being generally triangular in horizontal section and having an upper surface which meets said body at the base of said triangular shape and substantially in a horizontal plane containing said body major axis, said tip upper surface extending outwardly from said body and curving convexly downwardly to the apex of said triangular shape, the upper surface of said tip and the adjacent surface of said body above the tip forming substantially a right angle included within intersecting parts of said tip and said body for ironing simultaneously two adjacent fabric strip zones in mutually angular relation.

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