Nov. 12, 1940. G. W. DUNHAM ET AL 2,221,510

IRONER TABLE

Filed Jan. 15, 1938

Fig. 1.

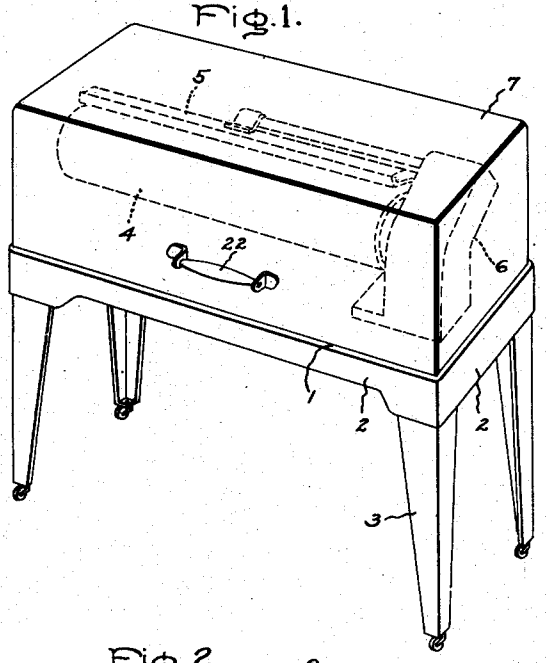


Fig. 2.

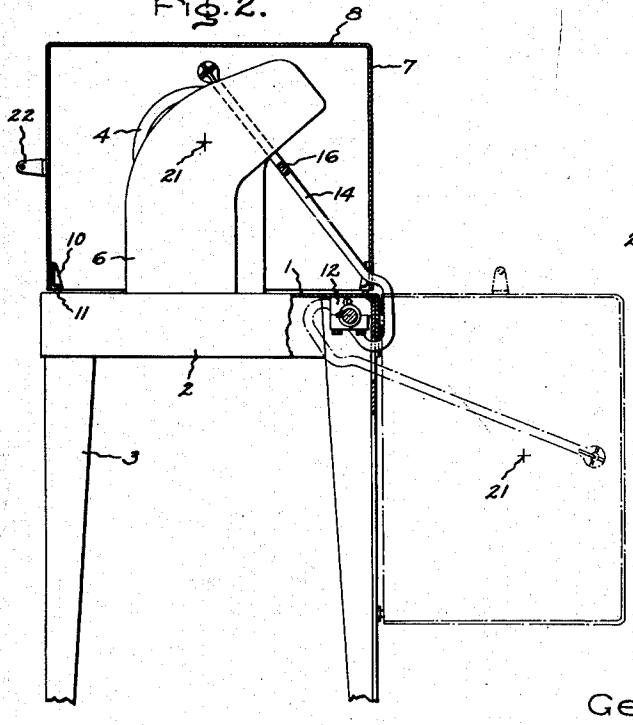
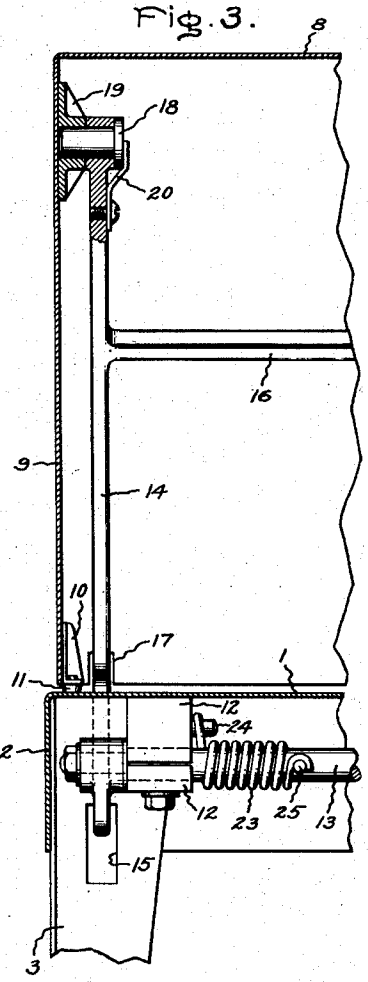


Fig. 3.



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IRONER TABLE

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1 Claim. (Cl. 45—68)

The present invention relates to tables for supporting ironers and the like of the type having a cover for enclosing the top of the table.

The object of our invention is to provide an improved construction and arrangement for supporting the table cover, and for a consideration of what we believe to be novel and our invention, attention is directed to the following description and the claim appended thereto.

In the accompanying drawing, Fig. 1 is a perspective view of a table embodying our invention; Fig. 2 is a sectional end elevation of the table; and Fig. 3 is a fragmentary sectional front elevation of the table.

Referring to the drawing, there is shown a table having a sheet metal top 1 having integral downwardly extending sides or flanges 2 at the front, back, and ends. In the corners of the table top are secured angle shaped legs 3, the sides of which are in substantially the same plane as the sides of the table top.

On the top of the table is shown diagrammatically a domestic rotary ironer comprising a roll 4, a shoe 5 and a housing 6 containing mechanism for supporting and driving the roll and for moving the shoe toward and away from the roll. The ironer is typical of devices which might be supported on the table top.

On the top of the table enclosing the ironer is a cover 7 which has a top wall 8 and depending side and end walls 9. In the corners of the cover at the lower edges are fixed brackets 10 carrying resilient buttons 11 which engage the upper surfaces of the table top and support the cover thereon.

On the under side of the rear edge of the table top are fixed brackets 12 in which a hinge is pivotally supported. The hinge comprises a rock shaft 13 journaled in the brackets and arms 14 fixed to the rock shaft and extending out through slots 15 in the legs and up over the rear edge of the table top. The arms are connected by a strut 16 so that the arms move in unison. The arms extend through notches 17 in the rear wall of the cover and up inside the cover adjacent its end walls. The free ends of the arms 14 are pivoted on pins 18 which rotatably fit in bearing plates 19 fixed to the end walls of the cover. Leaf springs 20 fixed to the arms 14 hold the pins in position. With this construction, the cover is pivotally supported on the free ends of the hinge arms 14. The center of gravity of the cover, indicated at 21 in Fig. 2, is between the pins 18 and the table top. The weight of the cover, therefore, tends to bias the cover toward the positions illustrated in Fig. 2.

When the ironer is not in use, the cover is in the position shown in full lines in Fig. 2 in which it encloses the ironer or other devices supported on the table top. In this position the lower edges of the cover are presented to the table top and the force of gravity acting on the cover biases it toward this position.

When the ironer is to be used, the operator grasps a handle 22 on the front wall of the cover and swings the cover to the dotted line position. In this position the edges of the cover are presented to the rear side of the table and the buttons 11 engage the legs 3 and the rear side of the table top. Since the center of gravity of the cover is between the pins 18 and the rear side of the table, the cover is biased against the rear side of the table. The front wall of the cover is now substantially in line with the table top, providing a smooth surface which is substantialy a continuation of the table top.

The weight of the cover is partially balanced by coil springs 23 arranged between stops 24 on the brackets 12 and pins 25 on the rock shaft 13. When the cover is over the table top the springs 23 are not stressed. As the cover is moved to the dotted line position of Fig. 2 the rotation of the rock shaft 13 stresses the springs 23, thus storing energy which assists the return movement of the cover.

What we claim as new and desire to secure by Letters Patent of the United States is:

In a table for ironers and the like, a hinge pivoted on the under side of the table adjacent an edge of the table and having arms extending up over said edge of the table, a cover for the table, pivotal connections between the cover and said arms for supporting the cover, said cover being movable between a position in which the lower edges are presented to the table top and a position in which the lower edges are presented to a side of the table, the center of gravity of said cover being located between said pivotal connections and said lower edges of said cover.

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