Nov. 9, 1943. F. E. M. HARRIS 2,333,784

IRONING BOARD

Filed Dec. 11, 1942 2 Sheets-Sheet 1

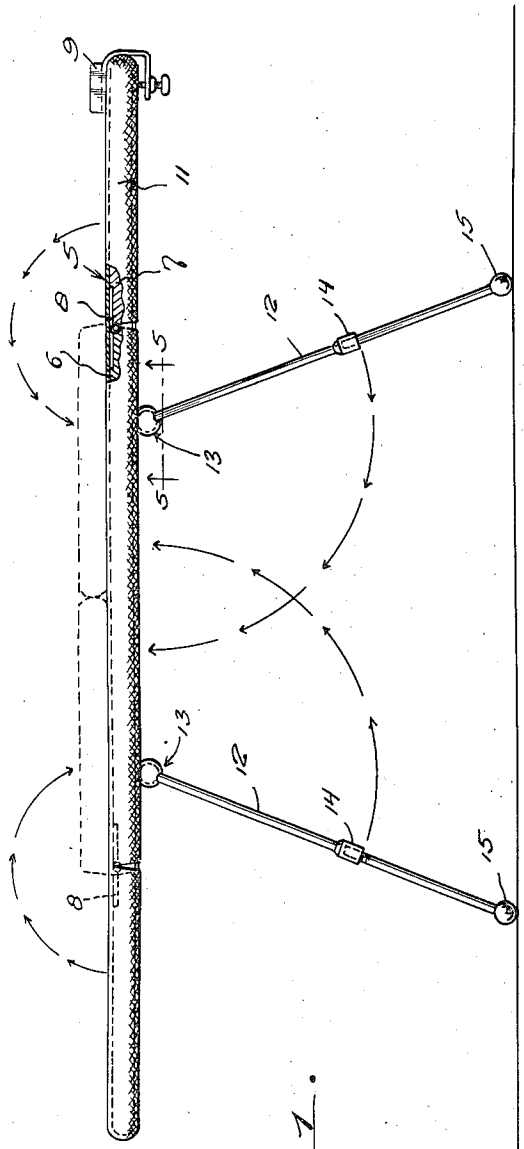


Fig. 1.

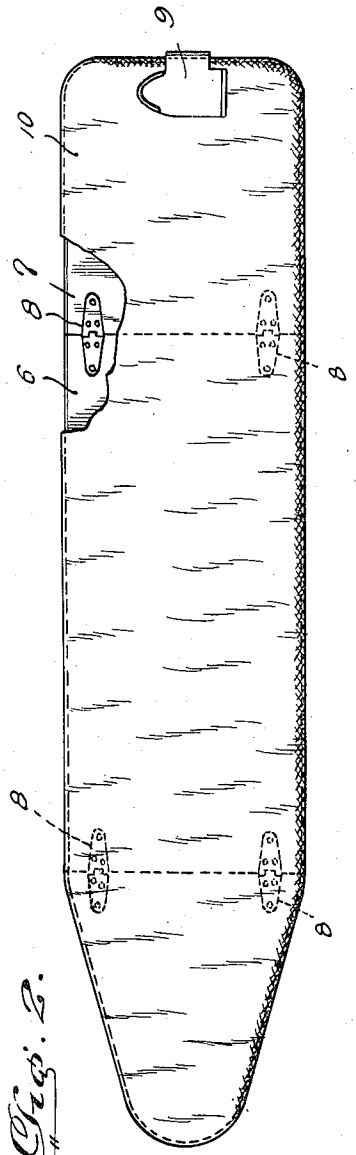


Fig. 2.

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Filed Dec. 11, 1942 2 Sheets-Sheet 2

Fig. 4.

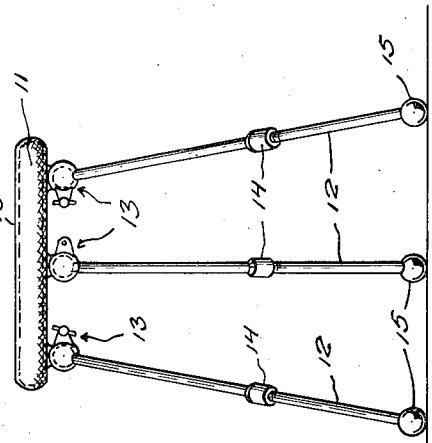
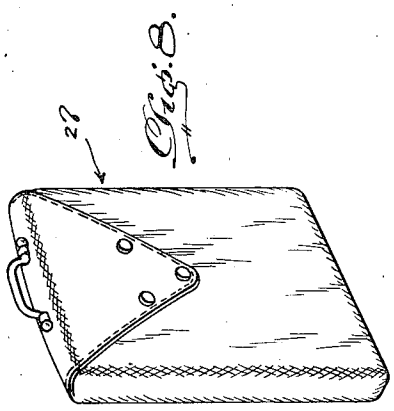


Fig. 8.



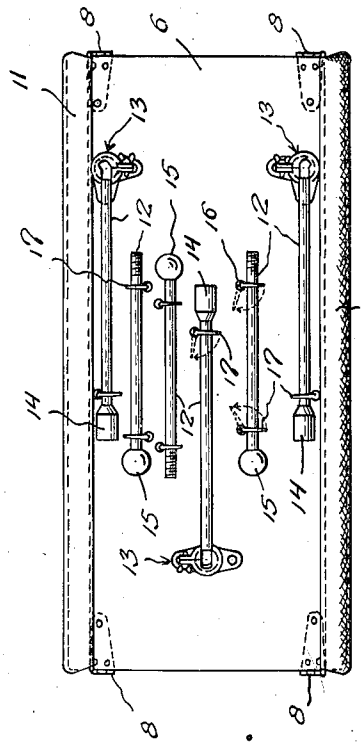


Fig. 3.

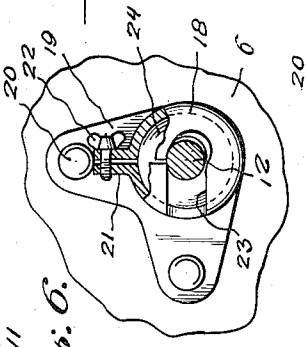
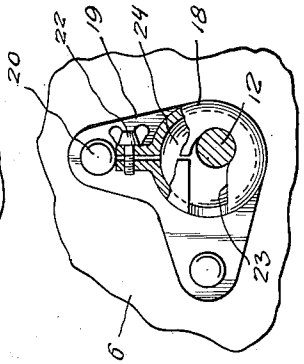


Fig. 6.



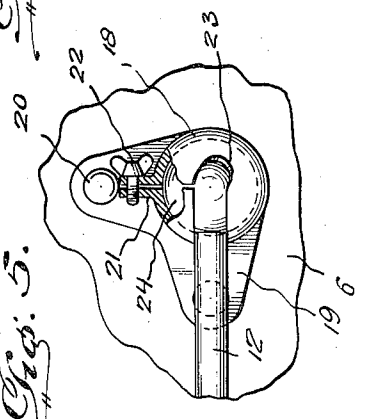


Fig. 5.

Fig. 7.

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UNITED STATES PATENT OFFICE

2,333,784

IRONING BOARD

Florence E. M. Harris, Detroit, Mich.

Application December 11, 1942, Serial No. 468,710

1 Claim. (Cl. 38—117)

This invention relates to ironing boards especially adapted for domestic use, and has for the primary object the provision of a device of this character which may be easily and quickly brought into operative position to permit ironing or pressing of articles to be efficiently and conveniently carried out by a person in a standing position and may be quickly folded to present a compact device to facilitate carrying thereof from one place to another and to permit storage within a limited space when desired.

Another object of this invention is the provision of an improved supporting means for the ironing board panel, consisting of legs and fasteners for securing thereof on the panel which permits the legs to be adjusted to vary the spread of the legs and thereby increase the stability of the device when in use and also the height to some extent with respect to the floor and for folding the legs against the panel when the device is to be stored or carried from place to place within a case provided for the purpose.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which

Figure 1 is a side elevation illustrating an ironing board constructed in accordance with my invention and showing the same in an operative position and indicating by arrows the direction in which the legs and sections of the ironing board panel may be folded.

Figure 2 is a top plan view illustrating the device.

Figure 3 is a bottom plan view illustrating the device in folded position.

Figure 4 is an end elevation illustrating the device in operative position.

Figure 5 is a detail sectional view taken on the line 5—5 of Figure 1.

Figure 6 is a view similar to Figure 5 showing the supporting legs adjusted into the position of a perpendicular position with respect to the ironing board panel.

Figure 7 is a view similar to Figure 5 showing the legs adjusted into a position inclining at an angle downwardly from the ironing board panel.

Figure 8 is a perspective view showing a case for the ironing board when the latter is in a folded position.

Referring in detail to the drawings, the numeral 5 indicates an ironing board panel composed of an intermediate section 6 and end sections 7 fastened to the intermediate section by hinges 8. One of the end sections may have a taper thereto, as shown in Figure 2, to facilitate the placing of garments over the ironing board panel, the other section having removably secured thereto an iron support 9. The sections have thereon a cover 10 which overlies the entire top face of the ironing board panel and may be of the padded type. The cover is provided with marginal hems 11 to receive therein the ironing board panel and the hems are cut or slotted opposite to the hinged connections between the intermediate and end sections so that the end sections may be swung upwardly and over the intermediate section for the folding of the ironing board panel.

When the ironing board panel is in use or in an operative position, it is supported by legs 12 connected to the under face of the intermediate section by fasteners 13. There are preferably three supporting legs to the device, two of which are grouped opposite to each other adjacent one end of the intermediate section while the other leg is located on the intermediate section adjacent the other end thereof.

The fasteners 13 are of the frictional pivotal type which will permit the legs to be arranged in supporting position or in folded position. Each leg is composed of a pair of sections detachably connected, as at 14, and one section has a cushion foot 15 thereon.

The sections of the legs are detached from each other when the legs are arranged in folded position, the detached sections of the legs being removably supported on the under face of the intermediate section of the panel by fasteners 16. The other sections of the legs are supported paralleling the under face of the intermediate section of the panel by fasteners 17.

Each fastener 13 is of the ball and socket type consisting of a split shell 18 provided with apertured ears 19 to receive fasteners 20 for the securing of the shell on the under face of the intermediate section of the ironing board panel. The shell 18 is provided with ears 21 apertured to receive a bolt 22 whereby the shell may be contracted. It will be seen that the bolt threads into one of the ears and passes freely through the companion ear and has a wing type head to facilitiate the rotation of the bolt in either direction. The shell 18 is further provided with a slot 23 provided with an angularly related por-

tion. The slot is for the purpose of receiving a leg and formed on the latter is a ball 24 operating within the shell 18. The slot 23 will permit the leg to be folded to extend parallel to the under face of the intermediate section of the ironing board panel or to be brought into a perpendicular depending position, as shown in Figure 6, or to be disposed at an angle with respect to the ironing board panel as suggested in Figure 7 by locating the leg in the angularly related end of the slot.

When the legs are within said angularly related ends of the slots, the legs are disposed in diverging relation so that the ironing board panel will be supported with a maximum amount of stability. By adjusting the bolts 22 the shells 18 may be made to frictionally grip the balls of the legs to retain them in any of the stated positions.

When the ironing board panel has the end sections folded on the intermediate section and the legs in folded position, as shown in Figure 3, an extremely compact device is provided. Also it will be seen that the top surface of the cover will be protected by the sections of the panel when in folded position. The device when in closed position may be placed within a suitable case 27 for protection and to facilitate carrying the device from one place to another. The device arranged in the case 27 will permit storing of said device in a comparatively small space.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim is:

In an ironing board, an elongated panel, fasteners secured to said panel, said fasteners grouped singly and in a pair with the pair of fasteners located adjacent one end of the panel and the single fastener located adjacent the other end of the panel, each of said fasteners including a substantially spherical shaped split contractible shell provided with a leg receiving slot, legs extending through the slots of the shells, balls on said legs within the shells, means for contracting and releasing the shells on said balls for releasably securing the legs in either supporting position for the panel or parallel against one face of the panel, said slots of the pair of fasteners having laterally offset end portions to receive and arrange the legs received thereby in diverging relation to each other when in supporting position.

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