Feb. 2, 1960 W. F. TIPPING 2,923,077

IRONING BOARDS

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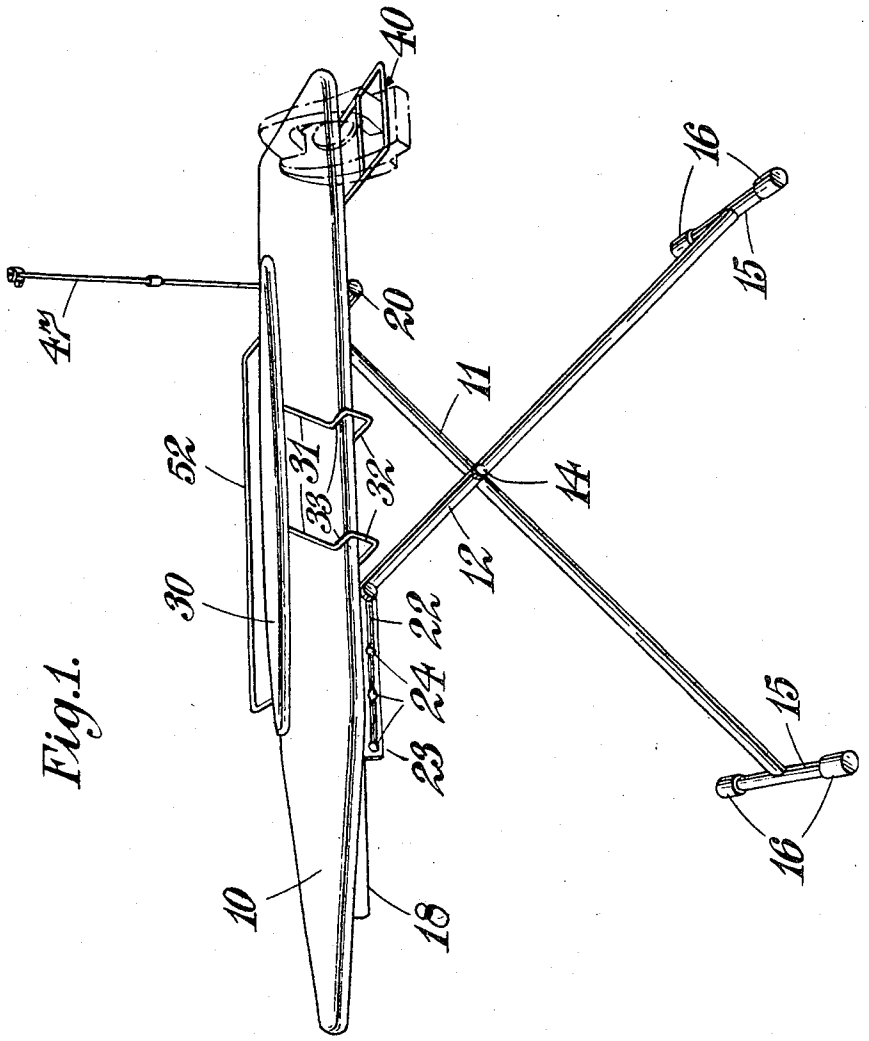


Fig. 1.

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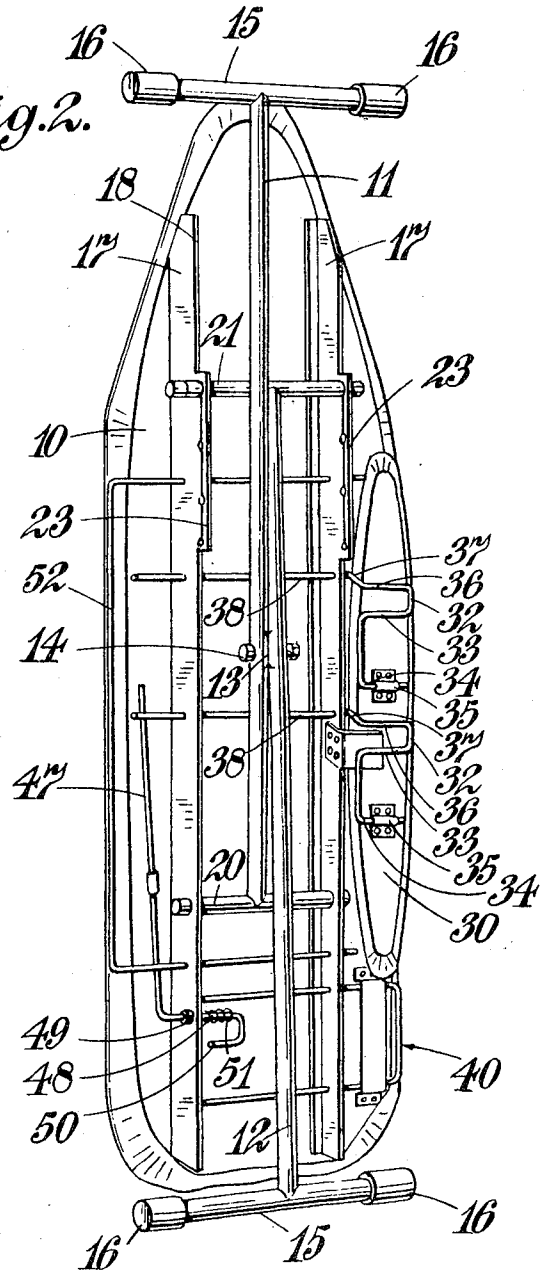
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Fig. 2.



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IRONING BOARDS

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Application December 17, 1956, Serial No. 628,894

1 Claim. (Cl. 38—104)

This invention relates to ironing boards.

According to this invention, in an ironing board there is provided a holder for the cord of an electric iron comprising a resiliently supported arm and including a rod or tubular member extending transversely under the main ironing surface and supported there so as to be rotatable and axially slidable whereby the holder may, by rotational and sliding movement, be moved between an operative position in which the arm is upright and a stowed position with the arm lying underneath the main ironing surface. This cord holder thus provides a resilient support for the cord above the main ironing surface yet can be accommodated under that surface when not in use.

The aforementioned rod or tubular member may be rotatably supported in a downwardly extending flange of a member secured to the underside of the main ironing surface.

To support said arm resiliently, a helical spring may be arranged around said rod or tubular member to urge the arm into an upright position.

The present invention is particularly applicable to an ironing board having a sleeve board as claimed in any of the claims of U.S. application No. 628,896. In such a board the cord holder is preferably mounted on the opposite side of the ironing surface to the sleeve board and arranged so that the arm of the cord holder, when not in use, may rest on the portion of a sleeve board leg or legs which extend transversely under the main ironing surface.

The following is a description of one embodiment of the invention, reference being made to the accompanying drawings in which:

Figure 1 is a perspective view of an ironing board; and

Figure 2 is an underside perspective view of the ironing board of Figure 1 shown with the legs in the stowed position.

Referring to the drawings, there is shown a main ironing board **10** which is supported on a pair of pivotally-connected legs **11, 12**. The legs **11, 12** are of tubular form and, where they are pivoted, are provided with flanged bushes **13** with the flanges providing enlarged bearing surfaces in the plane of relative movement, a pivot pin **14** being arranged to extend through the two bushes. At their lower ends the legs are secured to transverse bars **15** having rubber ferrules **16** forming feet. On the underside of the board **10** are secured two longitudinally extending angle members **17** having downwardly extending flanges **18**. The leg **11** is secured to a cross member **20** which is pivotally mounted in the two flanges **18**. The leg **12** at its upper end is secured to a tubular cross member **21** fitting between the flanges **18** and inside which is an axially movable rod (not shown) having portions of such reduced diameter as to be capable of sliding along guide tracks **22** (Figure 1) which are formed as slots on downwardly extending portions **23** of the flanges **18**. Each of the slots **22** is formed

with a number of enlarged holes **24** and the axially movable rod in the tubular cross member **21** has enlarged portions which, by axial movement can be engaged in these holes **24** to prevent movement along the slot. This axially movable rod is preferably spring loaded so as to keep it in the locking position in which it engages in one of the holes **24** in each of the slots **22**. This construction of legs is more fully described and claimed in copending U.S. application 628,893.

A sleeve board **30** is provided having two legs **31** formed of metal rod. Each leg is formed by a rod which has a U-shaped portion **32** somewhere near the centre of its length and from the top of one arm **33** of the U the rod extends in a straight line in the plane of the U and at right angles to that arm of the U for a distance sufficient to position the sleeve board **30** at the required height above the main ironing surface, as shown in Figure 1. At the top end of this straight portion the rod is bent in another right angle to have an end portion **34** (Figure 2) lying in the plane of the U and extending in the downward direction of the U so that the end of the rod lies on or near an extension of the line of the base of the U. This end **34** of the rod fits slidably into a bush **35** or other bearing on the underside of the sleeve board **30**. From the top of the second arm **36** of the U, the rod extends initially at right angles to that arm in a plane sloping upwardly from the plane of the U (considering the arrangement in the position shown in Figure 2). From the end of this sloping portion **37** the rod extends at right angles in a direction parallel to the arms of the U and in a plane parallel to but above the plane of the U, this portion **38** extending in a direction opposite to the downward direction of the U. This last mentioned portion fits slidably in pivots in the aforementioned flanges **18**. The sloping portions **37** of the rod shaped in this manner permit that, when the sleeve board **30** is in its lower position in which its underside rests on the arms **33, 36** of the U, the sleeve board is beneath the level of the main ironing surface **10** and hence can be slid underneath the main ironing surface when not in use (as shown in Figure 2). To raise the sleeve board from the position shown in Figure 2 to that shown in Figure 1 it is moved outwards by sliding the portions **38** in their pivots and is then swung upwardly, the portions **38** turning in their pivots. When in the raised position, the sleeve board is pushed inwardly so that the U-shaped portions **32** engage over the edge of the main ironing board **10**.

The drawings also show an iron holder **40** which is more fully described and claimed in copending U.S. application No. 628,891, now abandoned. On the opposite side of the board **10** to the iron holder is arranged a cord holder comprising an upright arm **47** (considered in the operative position shown in Figure 1) which at its lower end is bent at a right angle to have a portion **48** (Figure 2) extending through a bush **49** in one of the flanges **18**. The end of the portion **48** is bent round to a U-shape to form a stop **50** and there is provided a helical spring **51** surrounding the portion **48** and having one end secured thereto and the other end secured to the underside of the board **10**. This helical spring **51** is arranged to urge the arm **47** into the upright position as shown in Figure 1. When the cord holder is to be stowed, the arm **47** is swung downwardly pivoting in the bush **49** and is then pushed underneath the board into the position shown in Figure 2, by sliding in the bush **49**.

Also shown in the drawings is a work support **52** for supporting large articles such as sheets.

I claim:

In an ironing board having an ironing surface and a flange protruding downwardly from the underside of said surface and extending longitudinally thereof; a holder

for the cord of an electric iron comprising a rod with a portion at right angles to the rod carried on the flange and extending therethrough and rotatable and axially slidable in the flange by means of the right angle portion about an axis parallel to the ironing surface and extending transversely to the flange, said holder having a further portion extending from the right angle portion to form a U-shaped portion of which said right angle portion constitutes one arm, the U-shaped portion lying in the plane of the axis of said rod and a helical spring means around said right angle portion adapted to urge the holder into a position in which said rod extends upwardly with respect to the ironing surface, the rotational and sliding movement of said right angle portion in said flange permitting the rod to be rotated against the spring force to lie below the level of said ironing surface and to be pushed inwardly to a stowed position beneath said ironing surface, and the end of the other arm of the U acting as a stop against the flange when the holder is moved out from under the ironing surface.

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