Nov. 3, 1953 E. CRENSHAW ET AL 2,657,485

IRONING BOARD EXTENSION LEAF

Filed Oct. 13, 1950

Fig. 1

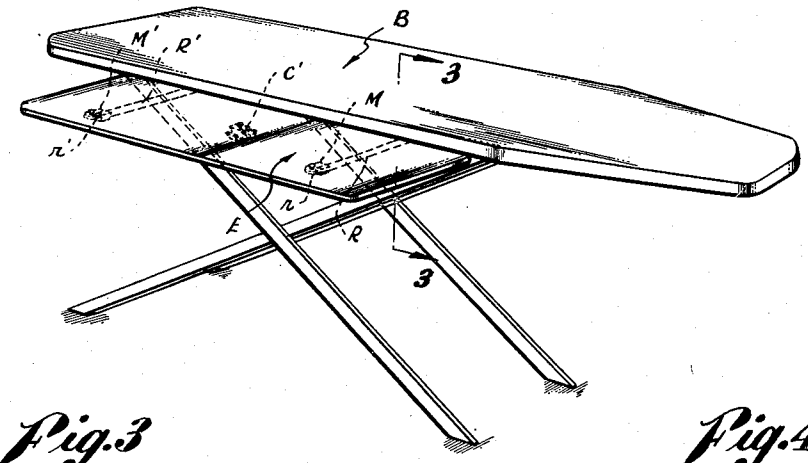



Fig. 3

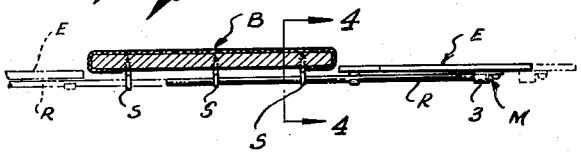



Fig. 4

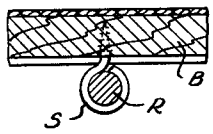



Fig. 2

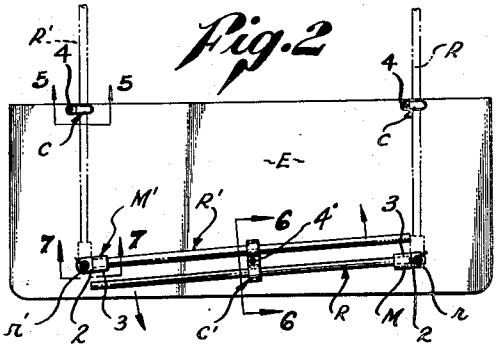



Fig. 8




Fig. 9

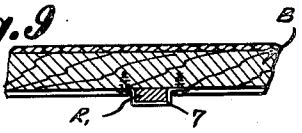



Fig. 10

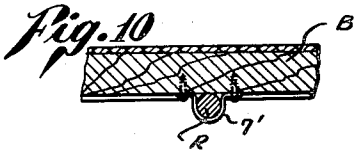



Fig. 5

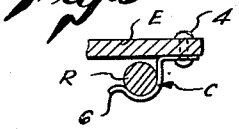
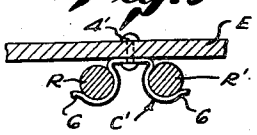



Fig. 6



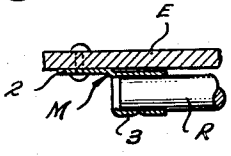




Fig. 7

INVENTORS
ELIZABETH CRENSHAW
CHARLES R.L. CRENSHAW
BY
Luther L. Mack
Attorney

Patented Nov. 3, 1953 2,657,485

# UNITED STATES PATENT OFFICE

2,657,485

## IRONING BOARD EXTENSION LEAF

Elizabeth Crenshaw, Inglewood, and Charles R. L. Crenshaw, Los Angeles, Calif.

Application October 13, 1950, Serial No. 189,923

6 Claims. (Cl. 38—111)

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This invention relates to and has for an object the provision of an extension wing or leaf adapted to be detachably and adjustably mounted at an edge of an ironing board of wall or portable type so as to afford an ample additional area at a side of a conventional ironing board for supporting surplus portions of overly wide garments or flat pieces during ironing operations.

Another object is to provide an extension wing or leaf of a width more or less corresponding to that of a standard ironing board and formed of a sheet of light weight material such as compressed wood pulp, plastic material or otherwise, together with simple but sturdy supports adjustably borne by the extension sheet so as to swing from normally inoperative positions on the extension sheet outwardly from the sheet to transverse positions for engagement with simple devices on the ironing board, whereby the sheet may be suitably supported for use.

A further object is to provide the extension of such size and the attaching elements of such form and arrangement that ironing operations will not be impaired and no unsightly, inconvenient or cumbersome parts will be employed. In other words, my improvements are designed to simplify and expedite ironing operations rather than to complicate or impair them.

Other objects may appear as the description progresses.

Figure 1 is a perspective view of a portable type of ironing board with our extension leaf attached thereto for use;

Fig. 2 is a bottom plan view of the extension leaf showing the attaching means attachable thereon for attachment to the ironing board;

Fig. 3 is a cross sectional view of the ironing board and attaching leaf as viewed in the plane of line 3—3 of Fig. 1;

Fig. 4 is a fragmentary cross sectional view of the same on line 4—4 of Fig. 3;

Figs. 5 and 6 are fragmentary cross sectional views of the extension leaf showing different types of clip retainers for holding attaching members borne by the leaf in operative or inoperative positions respectively;

Fig. 7 is a fragmentary sectional view of the extension leaf showing a suitable hinge mounting for the attachable leaf supporting members, and

Figs. 8, 9 and 10 are fragmentary sections of the ironing board showing different types of guides and supporting devices for the attaching members borne by the extension leaf.

In its simplest form (Fig. 2) the attaching means includes a pair of wood or metal rods R and R' which are hinged to the under side of extension leaf E at spaced points $r$ and $r'$, respectively, as by means of mountings M and M' having feet 2, 2 which overlie the surface of and are hinged directly to leaf E, and ferrules 3, 3 into which ends of rods R and R' are respectively inserted and suitably held as against accidental displacement.

When the rods R and R' are retracted into

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inoperative positions, as shown in Fig. 2, they may be held in place by separate single type spring clips C or a double type clip C' selectively, which are of spring metal, fixed at points 4 and 4' respectively to leaf E or swivelled, as may be desired. Said clips are in the form of open loops so that the rods may be swung on their hinges over the leaf and forced under tensioned retainers 6, 6 so as to hold the rods retracted against unintentional release from said clips.

Mountings M and M' are longitudinally spaced apart on leaf E so that when rods R and R' are released from their retaining clips C' the rods may be swung on their hinges $r$ and $r'$ into spaced transverse planes and will project from the same edge of the leaf to a corresponding extent for attachment to suitable supports on the lower side of the ironing board B with an edge of the leaf adjacent an edge of board B.

A simple type of supports for the rods R and R' is shown in Fig. 3 and includes a pair or triplet of eye screws S, S tranversely alined and depending from the bottom of board B for each of said rods. Thus, when the leaf E is positioned flatwise in the approximate plane of board B with rods R and R' extended in parallelism therefrom, the rods are each threaded through one row of eye screws S and leaf E is moved toward board B until its edge is adjacent an edge of board B.

Obviously, leaf E may be optionally attached at either edge of board B especially if three eye screws S are provided for each rod R and R', with each rod extending through the two outermost screws of a row. Of course only two screws are necessary if leaf E is used at only one edge of the board B as a preference.

To afford minimum weight, rods R and R' may be of ordinary wooden dowel stock of circular cross section, but light weight metal or other material may also be used if available within an economical cost range. The rods R and R' may be of rectangular cross sections and formed of wooden or metal slats as shown in Fig. 8 and in such case the mountings M and M', clips C and C' and supports borne by board B may be of correspondingly different shape than as hereindescribed.

For example the bottom of board B may be transversely grooved as at $E_1$ for each member $R_1$ of flat cross section (Fig. 8) or, as shown in Fig. 9, metal straps 7 bent to slidably receive the slats $R_1$ may be affixed to the lower side of board B. Optionally, when round rods as at R and R' are used, in lieu of the eye screws S, straps 7' such as are shown in Fig. 10 may be used to support and guide the rods R and R'.

When clips C of the form shown in Fig. 5 are used to hold the rods R and R' in retracted positions, one single loop is used for each rod but, as shown in Figs. 2 and 6, a double loop clip C' may be used for retaining both rods R and R' in retracted position. Also a single loop clip C (Figs. 2 and 5) is preferably used at a point near an edge of leaf E for holding each

of the rods R and R' in transverse spaced positions with the rods extended for attachment to the supporting devices S, E1, 7 or 7' as the case may be.

The leaf E and its appurtenances herein described are arranged when not in use in a shallow flat compact form so as to occupy a minimum space as a packaged article and also within an ironing board cabinet or locker, is of extreme light weight, is reversible endwise for selective attachment to both lateral edges of the board B and is free from complicated parts and is readily attached to and detached from the board B. Obviously the rods R and R' are adjustable in the eye screws S or otherwise on the board by the means shown together with the extension leaf E laterally with relation to the ironing board B so as to increase the effective area of the ironing board when desired.

It may be understood that in the use of our improvements, it is not intended that the extension leaf E shall be used to iron articles thereupon, but merely to provide ample and sufficiently supported means for supporting portions of material of greater area than may be accommodated by the board B either prior to, during or after portions thereof have been ironed and thereby greatly facilitating and expediting ironing operations, with greater convenience to the ironer and less disarrangement and damage to articles than when only a board B is used.

We claim:

1. In combination with an ironing board: an extension leaf applicable to an edge of said board, and cooperating attaching devices borne by said leaf and said board for detachably supporting said leaf at an edge of said board and in a plane convenient for the reception of portions of articles during ironing operations, certain of said attaching devices being borne by said leaf being swingable on the leaf for retraction to inoperative positions on the leaf when the leaf is detached from the board and also extensible into transverse positions for attachment to said board, and retainers borne by said leaf adapted to engage and hold said swinging attaching devices in operative and inoperative positions on said leaf.

2. In combination with an ironing board: an extension leaf applicable to an edge of said board, and cooperating attaching devices borne by said leaf and said board for detachably supporting said leaf at an edge of said board and in a plane convenient for the reception of portions of articles during ironing operations, the attaching devices borne by said leaf consisting of rigid rods hinged to the leaf at corresponding ends and capable of being swung into transverse extended positions for engagement with said cooperating devices on the ironing board for detachably supporting said leaf at a selected edge of said board, and retainers borne by said leaf for engaging and holding said rods in inoperative position within the boundaries of said leaf or operative position in said transverse extended positions.

3. In combination with an ironing board: an extension leaf applicable to an edge of said board, and cooperating swingable attaching devices borne by said leaf and stationary devices, said board for detachably supporting said leaf at an edge of said board and in a plane convenient for the reception of portions of articles during ironing operations, the attaching members borne by said leaf consisting of rigid rods hinged to the leaf at corresponding ends and capable of being



swung into transverse extended positions for engagement with said stationary attaching devices on the ironing board for detachably supporting said leaf at a selected edge of said board, said stationary attaching devices borne by said board including transverse apertured guides for receiving the extended rods on said leaf depending from said board for receiving and supporting said rods and operatively disposing said leaf at a selected edge of said board.

4. In combination with an ironing board: an extension leaf applicable to an edge of said board, and cooperating attaching devices borne by said leaf and said board for detachably supporting said leaf at an edge of said board and in a plane convenient for the reception of portions of articles during ironing operations, the attaching devices borne by said leaf consisting of rigid rods hinged to the leaf at corresponding ends and capable of being swung into transverse extended positions for engagement with said cooperating attaching devices on the ironing board for detachably supporting said leaf at a selected edge of said board, the attaching devices borne by said board consisting of transverse apertured guides for receiving and supporting the extended rods on said leaf, the attaching devices on said board including rows of transversely alined guides and operatively disposing said leaf at a selected edge of said board, and tensioned retainers borne by said leaf engageable with and for holding said rods in normally inoperative positions and in a common plane on said leaf or inoperative position in said transverse extended position.

5. In combination with an ironing board: an extension leaf applicable to an edge of the board and cooperating attaching devices borne by said leaf and said board for detachably supporting the leaf at an edge of the board and in a plane convenient for the reception of portions of articles during ironing operations, the attaching devices borne by the leaf consisting of rigid rods hinged to the leaf at corresponding points and capable of being swung into transverse extended positions for engagement with said cooperative attaching devices on the ironing board, and means on the leaf for holding said rods in inoperative positions within the boundaries of said leaf and in operative positions when extended from the leaf.

6. In combination with an ironing board: an extension leaf applicable to an edge of the board and cooperating attaching devices borne by said leaf and said board for detachably supporting the leaf at an edge of the board and in a plane convenient for the reception of portions of articles during ironing operations, the attaching devices borne by the leaf consisting of rigid rods hinged to the leaf at corresponding points and capable of being swung into transverse extended positions for engagement with said cooperative attaching devices on the ironing board, and means on the leaf for holding said rods in operative and inoperative positions on said leaf, said holding means consisting of at least one apertured member for receiving each rod.

ELIZABETH CRENSHAW.
CHARLES R. L. CRENSHAW.

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