

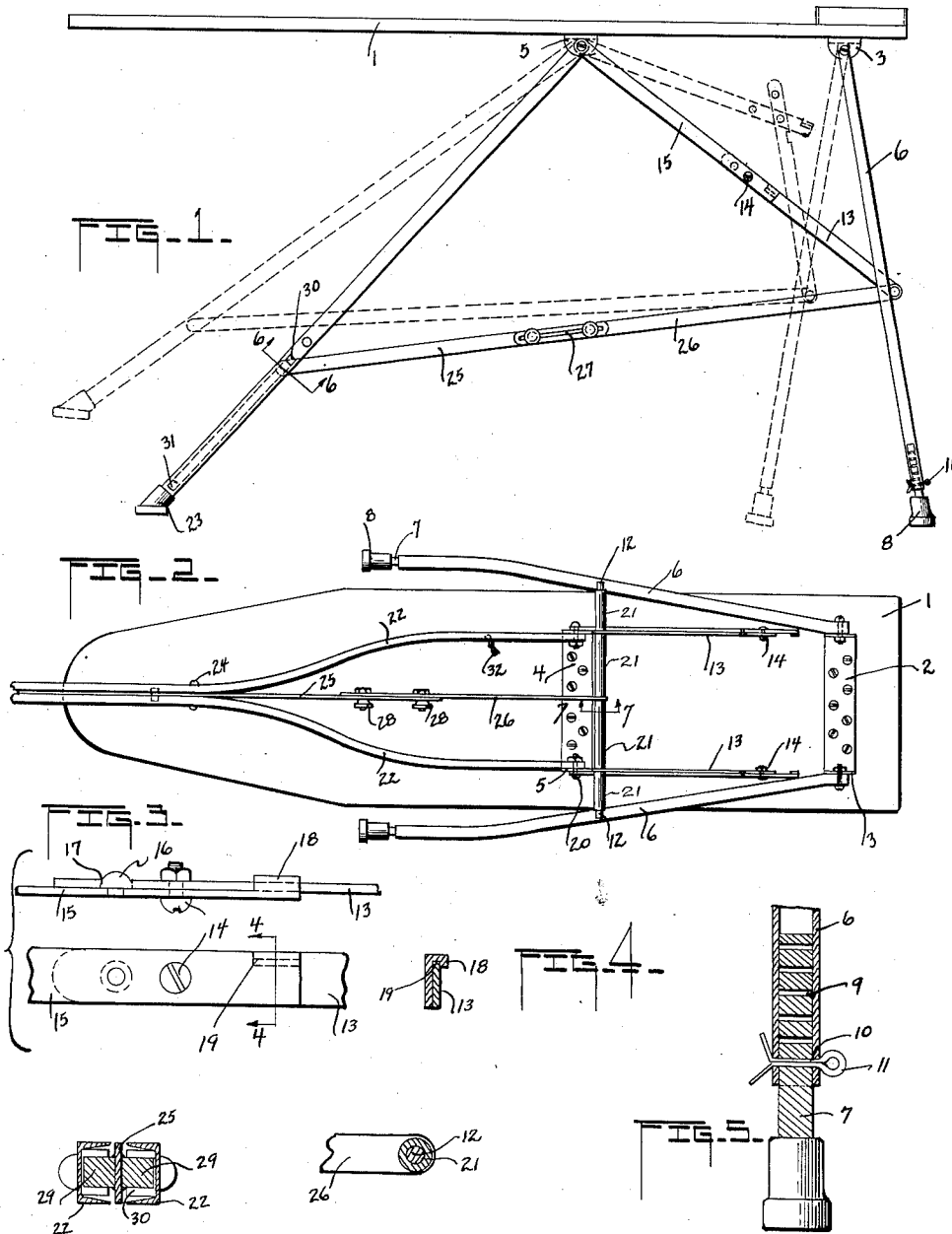
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IRONING BOARD

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IRONING BOARD

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3 Claims. (Cl. 68—10)

This invention has reference to new and useful improvements in ironing boards or tables of the foldable type.

One of the objects of the invention is to provide a foldable support which embodies supporting elements, certain of which are adjustable whereby the height of the ironing board or table itself may be adjusted in relation to the floor to adapt its use for persons of different height.

A further object of the invention is to provide an improved leg support for the ironing board which comprises legs, each having a pivotal connection with the under side of the board and said legs connected by a reach bar having a pivotal connection with one leg and a slidable and bracing connection with the other leg, and sets of bracing bars having a pivotal connection at one end co-incidental with the pivot of one leg with the board and having a pivotal connection at their opposite end with the other leg and each set of bracing bars having a break-joint connection adapted to break when the legs are folded and to assume a locking position when the legs are in supporting position to firmly and securely hold the board in ironing position and when a downward thrust is applied upon the board.

Other and further objects will more fully appear from the following description.

That the invention may be more fully understood reference is had to the accompanying drawing forming part of this description illustrating a preferred embodiment of the invention, in which:—

Figure 1 is a side elevation of an ironing board or table embodying my invention, the dotted lines showing the initial movement of the supporting structure preparatory to compactly folding the board or table to be put away when not in use;

Figure 2 is an underside view of the board or table, the supporting structure having been folded;

Figure 3 shows in detail, in edge and face view the break-joint connection in the sets of bracing bars;

Figure 4 is a cross-section as the same would appear on the line 4—4 Fig. 3;

Figure 5 is a detail, in section, showing the adjusting means in the standards of one of the legs;

Figure 6 is a cross-section as the same would appear on the line 6—6 Fig. 1, and

Figure 7 is a cross-section as the same would appear on the line 7—7 Fig. 2.

Like characters of reference denote corresponding parts throughout the figures.

In the drawing, 1 designates the board or table of wood or other suitable material having the usual shape or outline customary in devices of this character. Attached transversely to the underside of the board 1, near its rear end, is a plate 2 having angularly disposed or depending flanges or ears 3 at its opposite ends. 4 designates a plate, similar to the plate 2 which is also attached transversely to the underside of the board 1, and at a point suitably spaced from the plate 2 and near the center of the length of the board and provided at its opposite ends with angularly disposed or depending flanges or ears 5.

Having a pivotal connection with the flanges or ears 3 of the plate 2 is a leg composed of the standards 6, 6 which diverge away from the plate 2 and the board 1, and having somewhat the shape or conformation shown in Fig. 2, and having a telescopic connection with the face or outer end of each standard is an extension 7 having a preferably rubber shoe 8 to provide a non-slip and gripping rest for such leg. These extensions are provided with a plurality of spaced transversely disposed openings 9 therethrough adapted to be brought into coincidence with an opening 10 in the standard through which may be inserted a removable fastener 11 whereby to secure the extensions in adjusted positions to lengthen or shorten the standards 6 and thereby the leg of which they are a part.

Connecting the standards 6, comprising the one leg, at a suitable point in their length is a transverse rod 12 which may be welded or otherwise secured to said standards. Pivotal with said rod are spaced bracing bars 13, 13 which at their forward ends have a pivotal connection at 14 with other bracing bars 15, 15, which form extensions of the bars 13, 13 and comprise sets of bracing bars for the legs composed of the standards 6. The pivotal connections 14 provide break-joint connections for these sets of bars. When these bars are in extended bracing positions, as shown in full lines in Fig. 1, bosses 16 on the bar sections 15 are seated in recesses 17 in the respective bracing sections 13, see Fig. 3 and additional locking members are provided in the form of overlying flanges 18 on the sections 15 which overlie the sections 13 and become seated in each of notches 19 in said sections. The break in these sections when the board is being folded appears as shown in the dotted lines Fig. 1. The forward end of each bar section 15 has a pivotal connection at 20 with the flanges 5 of the plate

4, as shown. The bracing bars 13 are properly held in spaced relation on the rod 12 by means of spacers 21 of which there are a series, as shown in Fig. 2.

- 5 Having a pivotal connection with the plate 4 is a leg formed of the standards 22. Each standard is connected to said plate by a pivot means 20 which also connects a brace bar 15 with said plate, as is best seen in Fig. 2. The standards 10 are preferably channel irons, with the channel faces facing and they converge from the opposite ends of the plate 4 to the center of the table and then lie in close parallel spaced relation for some distance, as shown in Figs. 2 and 6 and are se- 15 cured at their ends in a preferably rubber shoe 23, similar to the shoe 8. At the meeting of the converged portions they are secured by a bolt or rivet 24. The leg, comprising the standards 22 is connected and braced from the rod 12, see 20 Figs. 2 and 7 by means of an extensible reach bar composed of the sections 25 and 26. The outer end of section 26 has a pivotal relation with the rod 12 between spacers 21, see Fig. 2 and its inner end has a longitudinal slot 27, see Fig. 1 25 which corresponds to a similar slot, not shown, disposed longitudinally in the inner end of the section 25 and the two sections are slidably and adjustably secured by means of securing means 28, 28. By this means the reach bar may be ex- 30 tended or shortened in its length whereby to raise and lower the height of the table, as will be understood, while at the same time lengthening or shortening the legs composed of the standards 6, as in the manner described.
- 35 The reach bar and particularly its section 25 is adapted for slidable relation with and between the parallel portions of the standards 22 whereby the erection and folding of the table is made possible. Welded or otherwise secured to oppo- 40 site faces of the outer end of the reach bar are bosses 29, 29, see Fig. 6 and these bosses are slidable back and forth in the channel faces of the standards 22. When the table is erected these bosses engage a stop 30 and when the table is 45 folded they engage a stop 31, see dotted lines in Fig. 1.

A lock or catch 32 is suitably mounted on the underneath face of the board 1, see Fig. 2, adapted for locking engagement with one of the standards 50 22 when the ironing board structure is folded, as indicated, when the ironing board is out of use whereby such standards and associated parts will be locked against displacement until released by said lock or catch.

55 From the foregoing it should be at once apparent that I have designed a very simple ironing board structure, inexpensive to manufacture and

embodying structural elements so combined that the table may be easily and quickly adjusted in height and the elements permitting folding so arranged and combined with the other elements as to effectively brace the table when erected and such as to support the table in a stable manner when up.

What I claim is:—

1. In an ironing board, the combination of a board, supporting legs therefor and bracing mem- 85 bers connecting said legs, means to increase or decrease the height of the board in relation to a floor comprising means for fixedly adjusting certain of the bracing members and means operable on one of such legs whereby to shorten or lengthen 90 the same.

2. In an ironing board, the combination of a board, a pair of supporting legs having a pivotal connection at spaced points from each other with the under side of the board, sets of bracing bars 95 between the pivotal point of one leg with the board and the other leg and having a pivotal connection with said last mentioned leg mediate its length, said sets of braces arranged for break-joint connection to permit folding of the leg structure and for locking engagement when the board is erected, means operable on one of such supporting legs 100 to shorten or lengthen the same, and an extensible reach bar having a pivotal connection with the leg to which said bracing bars are connected and having a slidable connection with said other leg whereby the height of the board and its level in relation to a floor is adjustable.

3. In an ironing board, the combination of a board, a pair of plates attached in spaced rela- 110 tion to the under side of said board, each having depending ears at opposite ends, a leg having a pivotal connection with the ears of one plate and comprising a pair of standards which diverge from said plate, a rod connecting said standards mediate their ends, a leg having a pivotal connection 115 with the ears of the other plate and comprising a pair of standards which converge from said plate and lie parallel in close relation for a portion of their length, sets of bracing bars having a 120 pivotal connection with the rod connecting one set of standards and having a pivotal connection with the plate to which the other leg is connected, said braces comprising sections having a break- 125 joint connection, an extensible reach bar having a pivotal connection with said rod and a slidable connection with the standards of the leg having the parallel portions, spacers on said rod between said sets of braces and said reach bar, and means for lengthening and shortening the length of said 130 first mentioned leg.

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