O. F. NORTHRUP.

IRONING BOARD.

APPLICATION FILED SEPT. 14, 1914. RENEWED APR. 21, 1915.

1,161,407. Patented Nov. 23, 1915.

2 SHEETS—SHEET 1.

FIG 1

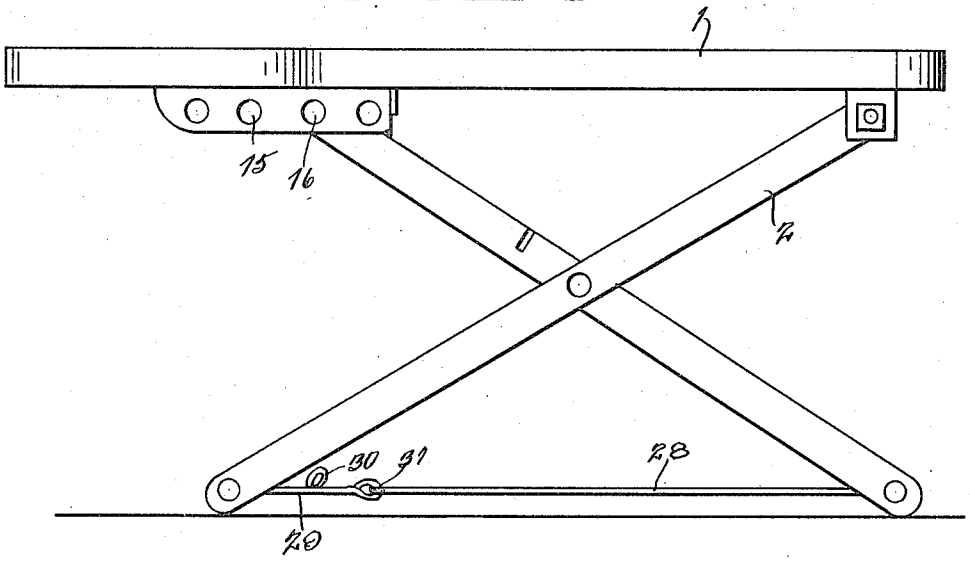
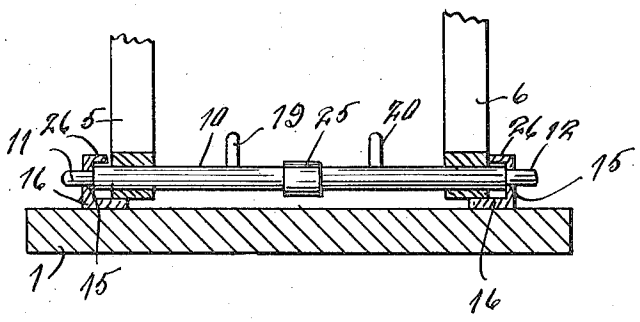


FIG 5



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2 SHEETS—SHEET 2.

FIG 2

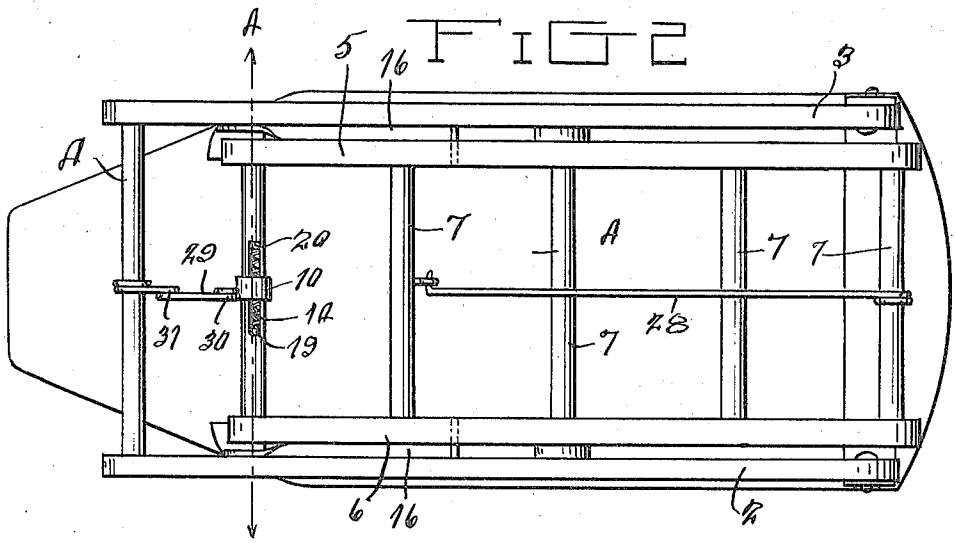


FIG 3

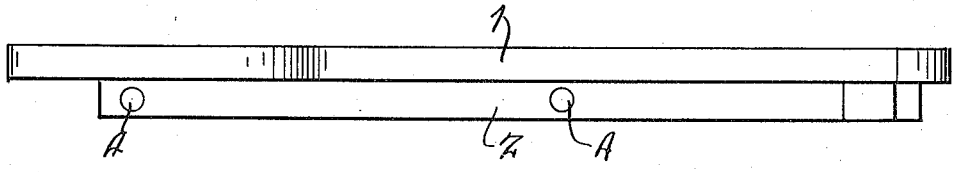
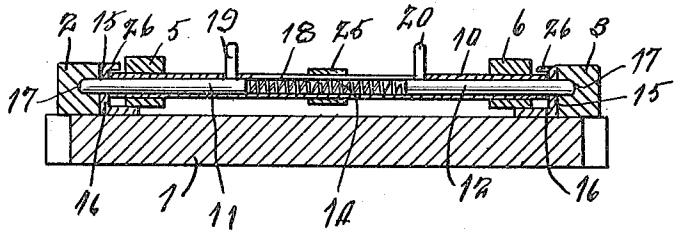


FIG 4



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IRONING-BOARD.

1,161,407. Specification of Letters Patent. Patented Nov. 23, 1915.

Application filed September 14, 1914, Serial No. 861,669. Renewed April 21, 1915. Serial No. 22,945.

To all whom it may concern:

Be it known that I, OSCAR FONDA NORTHROP, a citizen of the United States, residing at Cassopolis, in the county of Cass and State of Michigan, have invented certain new and useful Improvements in Ironing-Boards; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to ironing boards, and the primary object of the invention is the provision of what is commercially known as a collapsible ironing board, which has a novel form of locking means for retaining the supporting legs in various adjusted positions for regulating the elevation of the ironing board proper for accommodation to persons of various heights.

With the foregoing and other objects in view this invention consists in such novel features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings and claimed.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters of reference designate like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side elevation of the improved ironing board showing the same in an extended position, Fig. 2 is a bottom plan view, Fig. 3 is a side elevation of the improved ironing board showing the same in a folded position. Fig. 4 is cross sectional view on the line 4—4 of Fig. 2, and Fig. 5 is a cross sectional view showing the ironing board in an opened position.

Referring more particularly to the drawings, 1 designates the ironing board proper, which has pivotally connected thereto supporting legs 2 and 3. The legs 2 and 3 are pivotally connected to the surface of the rear end of the ironing board 1, and they have the ordinary type of supporting cross braces 4 extending transversely thereacross, for securely supporting the legs. The supporting legs 2 and 3 have supporting legs 5 and 6, which legs are connected by cross pieces 7, pivotally connected thereto substantially intermediate of their ends, and positioned between the supporting legs 2 and 3 as is clearly shown in Fig. 2 of the drawings. The supporting legs 5 and 6 have a sleeve 10 inserted therethrough in which sleeve is slidably seated bolts 11 and 12. The bolts 11 and 12 are slidably seated within the sleeve 10 and they have a spiral spring 14 positioned between their facing ends, which spring tends to force the bolts outwardly out of the terminal ends of the sleeve for insertion to the openings 15, which are found in the guideways 16 and into the openings or recesses 17, which are formed transversely within the supporting legs 2 and 3, adjacent the lower terminal ends thereof, when the supporting legs of the ironing board are in a folded position as is shown in Figs. 2 and 3 of the drawings. The sleeve 10 is provided with a longitudinally extending slot 18, through which slot slidably project the handles 19 and 20 of the bolts 11 and 12.

The guideways 16 are secured to the upper surface of the ironing board 1 adjacent the marginal edges thereof, so that the inner surface of the supporting legs 2 and 3 will abut against the outer surfaces of the guideways when the legs are in a folded position, at which time the terminal ends of the bolts 11 and 12 will be shot by the action of the spiral spring 14, into the recesses 17, thereby securely holding the legs 2 and 3, and 5 and 6 in a folded position, and preventing them from falling downwardly or away from the board 1, during the transportation of the latter. The guideways 16 are provided with a plurality of openings 15, which openings are spaced longitudinally within the guideways, and are provided for the reception of the terminal ends of the bolts 11 and 12, for holding the supporting legs at various adjusted angles, for varying the elevation of the ironing board 1, to accommodate persons of different height.

The action of the spiral spring 14, will render automatic the action of the bolts 11 and 12, so that when it is desired to fold the supporting legs of the ironing board, it will be necessary to grip the handles 19 and 20 and move them inwardly toward the collar 25, which is mounted about the exterior of the sleeve 10 substantially intermediate of its ends.

The guideways 16 have their lowermost marginal edges bent inwardly as is clearly shown at 26, which marginal edges form guideways for the terminal ends of the sleeve 10, during the pivotal movement of the supporting legs, so as to prevent the

accidental displacement of the sleeve and also to render efficient the operation of the bolts 11 and 12, insuring of their insertion into various of the openings 15. The terminal end of the guideways has the transversely projecting flanges 26 thereof, cut away, so as to permit of the removal of the ends of the sleeve from the guideways if it is so desired.

A hook 28 is pivotally secured to the lowermost supporting cross brace 7 and it is adapted for hooking engagement with a hook-receiving member 29, which is mounted centrally with the end of the cross piece 4, which is positioned at the free terminal ends of the pivoted supporting legs 2 and 3. The hook-receiving member is provided with a pair of hook-receiving portions 30 and 31 so that if it is so desired different adjustment of the hook connection may be desired in the proper positioning of the ironing board.

In reducing the invention to practise certain minor features of construction, combination and arrangement of parts may necessitate alterations to which the patentee is entitled provided such alterations are comprehended within the scope of what is claimed.

What is claimed is:—

1. In an ironing board structure, an ironing board having a pair of supporting legs pivotally connected to the rear end thereof, a second pair of supporting legs pivotally connected to said first-named supporting legs intermediate of their ends and positioned between said first-named supporting legs, a sleeve carried by said second-named supporting legs and extending transversely from one to the other, a pair of bolts slidably mounted within said sleeve, guideways secured to the under surface of said ironing board and provided with a plurality of serially arranged openings being provided for the reception of the terminal ends of said slidable bolts for holding said pivoted supporting legs in various adjusted positions for varying the elevation of said ironing board.

2. In an ironing board structure, an ironing board having a pair of supporting legs pivotally connected to the rear end thereof, a second pair of supporting legs pivotally connected to said first-named supporting legs intermediate of their ends and positioned between said first-named supporting legs, a sleeve carried by said second-named supporting legs and extending transversely from one to the other, a pair of bolts slidably mounted within said sleeve, guideways secured to the under surface of said ironing board and provided with a plurality of serially arranged openings being provided for the reception of the terminal ends of said slidable bolts for holding said pivoted supporting legs in various adjusted positions for varying the elevation of said ironing board, and said first-named supporting legs being provided with recesses for the reception of the terminal ends of said sliding bolts for holding said supporting legs in a folded position.

In testimony whereof I affix my signature in presence of two witnesses.

OSCAR F. NORTHRUP.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."