

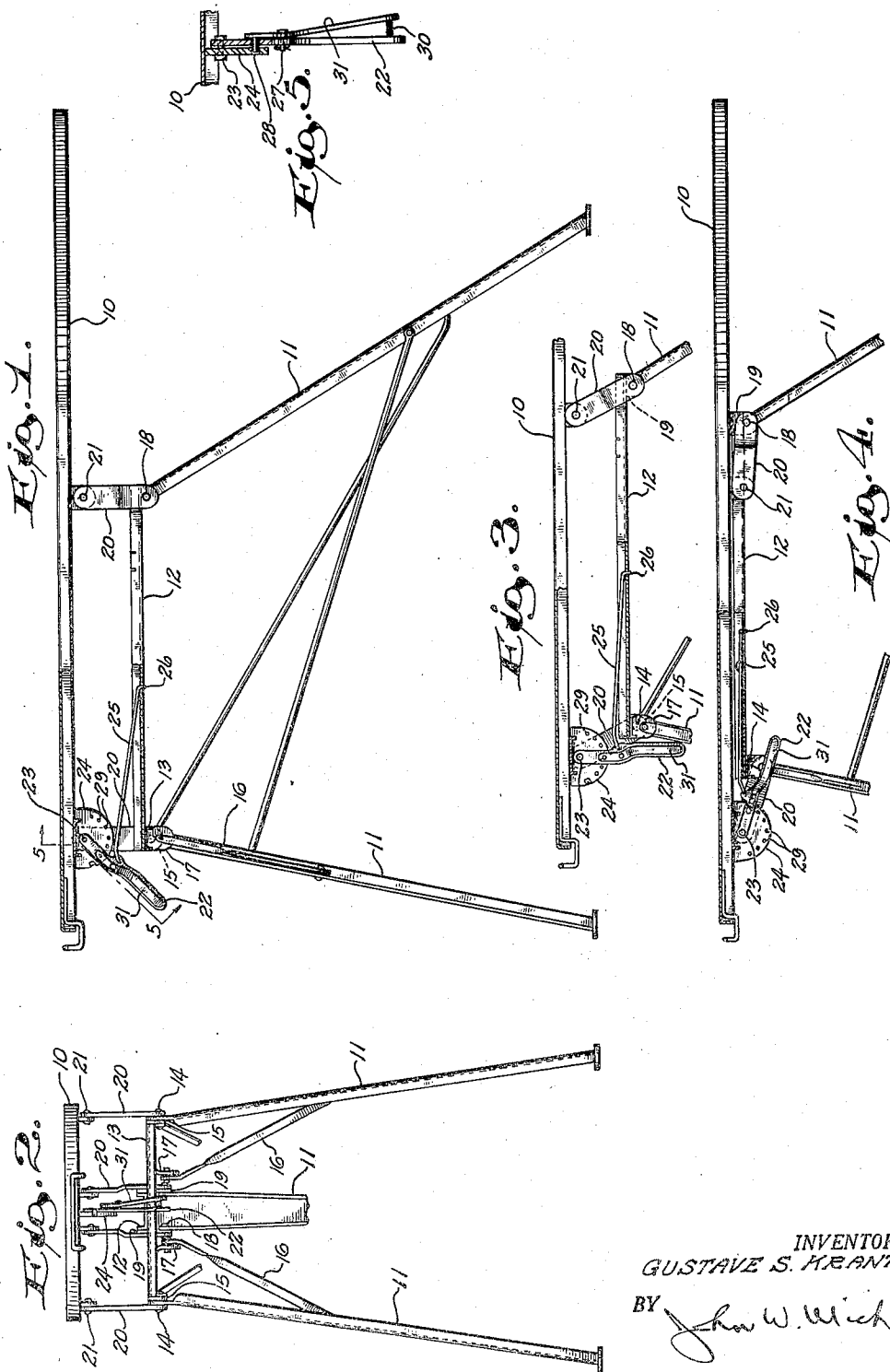
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G. S. KRANTZ

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ADJUSTABLE TOP FOR IRONING BOARDS OR TABLES

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INVENTOR.
GUSTAVE S. KRANTZ

BY *John W. Michael*

ATTORNEY.

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ADJUSTABLE TOP FOR IRONING BOARDS
OR TABLESGustave S. Krantz, West Allis, Wis., assignor to
Geuder, Paeschke & Frey Co., Milwaukee, Wis.,
a corporation of Wisconsin

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This invention relates to improvements in ironing boards.

It is a desirable feature of ironing boards to be able to vary the height of the ironing surface from the floor in order to provide a comfortable position for the user. With boards having fold-
5 ing legs it is difficult to provide means to accomplish this adjustment without interfering with the legs and without having to make a number of separate adjustments in order to maintain the ironing surface level at any selected height.

An object of this invention, therefore, is to provide an ironing board with an adjustable top and foldable legs in which the top may be ad-
10 justed relatively to the legs and the legs folded independently of the position of the top.

A further object of this invention is to provide an ironing board with foldable legs in which vary-
15 ing heights of the ironing surface with respect to the floor may be selected by the operation of a single adjustable control member.

Another object of this invention is to provide an ironing board with foldable legs in which varying heights of the ironing surface with re-
20 spect to the floor may be selected while the ironing board is supported on the foldable legs in operative position and without disturbing such position.

A still further object of this invention is to provide an ironing board in which the ironing surface may be positioned at a number of select-
25 able heights from the floor between the lowest and highest of such heights.

These objects are obtained by providing a frame to which the supporting legs are pivotally mounted for swinging to folded or supporting po-
30 sition. In supporting position the legs cooperate with the frame to form a rigid supporting unit.

The top, providing the surface on which ironing takes place, is connected to such frame by parallel articulating links which permit it to be raised and lowered with respect to such frame while maintaining it substantially parallel to the floor. The frame and top are interconnected by a lever mechanism having a plurality of selectable positions which moves said top relative to said frame. With such organization of elements: the legs may be folded or extended without change of the distance between the frame and the top; the distance between the top and frame may be changed without disturbing or altering the fold-
35 able legs; and the selection of a desired distance between the top and the frame may be accomplished by a single adjustable lever.

The novel features, which are considered char-
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acteristic of the invention, are set forth with particularity in the appended claims. The invention itself, however, both as to its organization and its method of operation, together with addi-
45 tional objects and advantages thereof, will best be understood from the following description of a specific embodiment when read in connection with the accompanying drawing, in which:

Fig. 1 is a view in side elevation of an ironing board embodying the present invention, parts being broken away and shown in section for the sake of clarity in illustration;

Fig. 2 is a view in end elevation of the ironing board viewed in Fig. 1;

Fig. 3 is a fragmentary view in side elevation showing the ironing board viewed in Fig. 1, with the top moved to an intermediate raised position;

Fig. 4 is a fragmentary view in side elevation showing the ironing board viewed in Fig. 1, with the top moved to a fully lowered position; and

Fig. 5 is a fragmentary sectional view taken on the line 5—5 of Fig. 1.

Referring to the drawings by reference numerals the ironing board or table comprises a top 10 carried on a support. The top 10 is of conventional design and provides a surface on which the ironing process or other work may take place. The support consists of three legs 11 which are pivoted to a frame 12 so that they may be swingable from folded position to the sup-
25 porting position shown in Fig. 1. The frame 12 includes a channel member 13 secured to the head (left end as viewed in Fig. 1) of the frame 12 and extending transversely thereof. The two legs 11 at the head (right end as viewed in Fig. 1) are pivoted to the outer ends of the channel member 13 by pivots 14 passing through end plates 15 secured to such transverse member 13. To provide against lateral play braces 16 extend
30 between such rear legs 11 and lugs 17 extend downwardly from said transverse member 13. The single forward leg 11 is pivoted to the front of the frame 12 by pivots 18 passing through brackets 19. The linkage and locking mechanisms, by which these legs are interconnected to cause them to fold and unfold as a unit and to interlock them in supporting position, are of cus-
35 tomary design and will not be described in detail. For the purposes of this invention it is pointed out that such legs fold and unfold with respect to the frame 12 in the same manner as they would fold or unfold with respect to an ironing top to which they are customarily se-
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The top 10 is connected by parallel links 20 to the support. The two rear links 20 are mounted on the same pivots 14 as the rear legs 11 and the two head links 20 are mounted on the same pivots 18 as the front leg 11. This feature eliminates the necessity of other pivotal connections. It is to be understood, however, that the links 20 could be otherwise pivotally connected to the support or frame 12. The upper ends of the links 20 are pivotally secured at 21 to the top 10. Thus supported the top 10 may be moved relative to the support from the low position shown in Fig. 4 to the raised position shown in Fig. 1. During such movement it will be maintained substantially level to the floor. In all positions between fully raised and fully lowered, the links 20 provide a rigid support for the top.

To cause the top to move relative to the frame 12, and to lock it in various selected positions, there is provided a lever 22 which is fulcrumed to the top 10 by a pivot 23 mounted in a bracket 24 which is secured to such top. An intermediate portion of the lever 22 is connected by a rod 25 to the frame 12. The rod 25 has a downturned end 26 passing through an aperture in the frame 12 to make the connection between the rod and frame. The fit is sufficiently loose to permit the arm 25 to swing up with respect to the frame. The downturned end 26 may be held in the aperture by a cotter pin or other well-known means. By swinging the lever 22 clockwise (as viewed in Fig. 1) the top 10 will be forced upwardly and forwardly relative to the frame 12 to fully raised position. Counterclockwise movement of the lever forces the top 10 rearwardly and downwardly to the fully lowered position. In order to position the top 10 in any desired position from fully lowered to fully raised, means are provided for locking the lever 22. Such means consists of a latch 31 loosely fulcrumed on the lever 22 by a pin 27, as is shown in Fig. 5. The end of the latch 31 is provided with a boss 28 which extends through an aperture in the lever 22 and projects from the side thereof adjacent the bracket 24. The bracket 24 is semi-circular in shape and the margin of its periphery is provided with a series of spaced holes 29 into any one of which the boss 28 may slide when in alignment therewith to lock the lever 22 against further movement. A spring 30, positioned between the latch 31 and the lever 22, resiliently urges the boss 28 toward the bracket 24. In order to move the lever 22 from a selected position, it is only necessary to grasp it in one hand and squeeze the latch 31 against the lever. This compresses the spring 30 withdrawing the boss 28 from the aperture 29 in which it was placed. The lever may then be swung as desired and upon release of such grip the spring 30 will force the boss 28 into the next aperture 29 with which it becomes aligned to lock the lever in such position.

Adjustment of the working level of the top may be made by the single lever 22 while the table top is being supported on the legs. Once having selected a desired adjustment the ironing board may be stowed away by folding the legs

without any alteration of such adjustment. However, if the same board is to be used by another user of different height, it is an easy matter to select a different adjustment. The fact that the various heights may be selected while the board is supported on the legs readily permits the user to select by trial and error that height which is most convenient.

Although only one embodiment of the invention is shown and described herein, it will be understood that this application is intended to cover such changes or modifications as come within the spirit of the invention or scope of the following claims.

I claim:

1. In an adjustable table, a support, a top providing a working surface connected to said support by parallel linkage whereby said top may be raised or lowered with respect to said support, a lever pivoted to said top, a link connected to said support and pivoted to said lever whereby said lever can control the relative movement between said top and said support, and means for locking said lever in a number of selectable positions.

2. In an ironing board, a support, a top connected to said support by spaced parallel links whereby said top may be raised or lowered with respect to and held by said support, a bracket having a plurality of spaced apertures secured to said top, a lever pivoted to said bracket, a latch mounted on said lever and engageable with respective ones of said apertures to lock said lever in selected position, and a rod interconnecting said lever and said support.

3. In an ironing board, a support consisting of a frame and legs mounted thereon, a top providing an ironing surface, spaced parallel linkage between said top and said support whereby said top may be moved relative to said support to raise and lower said top with respect thereto, a bracket secured to said top between a pair of said pivoted links and having a plurality of spaced apertures, a lever pivoted to said bracket and having a latch engageable with said apertures, and a link interconnecting said lever and said frame whereby operation of said lever moves said top longitudinally and laterally relative to said frame, said bracket in the lowered position of said top being carried beyond an end of said frame.

GUSTAVE S. KRANTZ.

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