

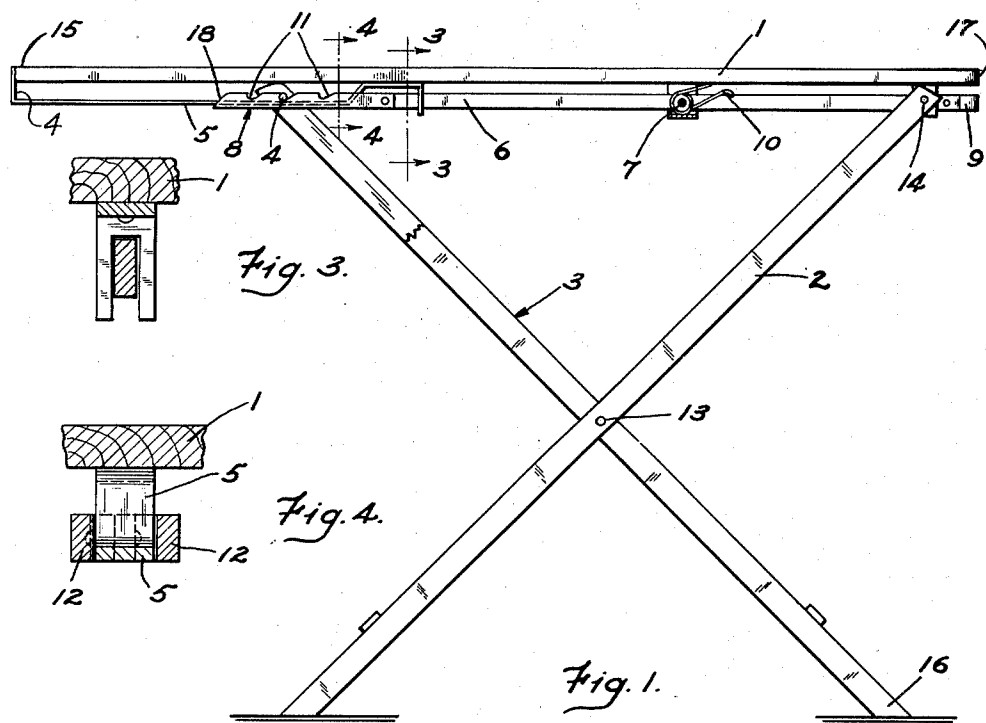
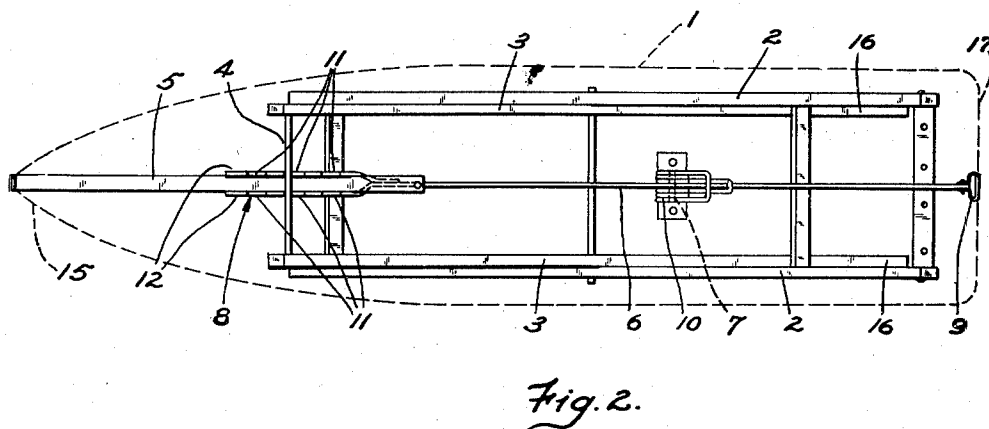
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ADJUSTABLE HEIGHT IRONING TABLE

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ADJUSTABLE HEIGHT IRONING TABLE

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3 Claims. (Cl. 38—123)

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My invention relates to ironing tables.

One of the objects of my invention is to provide an improved ironing table having improved means for adjusting the height of the top.

Further objects and advantages of the invention will be apparent from the description and claims.

In the drawings, in which an embodiment of my invention is shown,

Figure 1 is a side elevational view of an ironing table embodying my invention;

Fig. 2 is a plan view of the table with the top removed;

Fig. 3 is a section on the line 3—3 of Fig. 1; and Fig. 4 is a section on the line 4—4 of Fig. 1.

Referring to the drawings in detail, the ironing table shown comprises a top 1, the outline of which is shown in fine dash lines in Fig. 2, a pair of crossed leg units 2 and 3 mounted on said top for movement in unison from a folded position to an extended position, shown in Fig. 1, means for holding the leg units in extended position, comprising a guided member 4 secured to the upper end of one of the leg units, and a guide 5 mounted underneath the top extending parallel thereto and longitudinally thereof for slidably guiding the guided member 4 in the movement of the leg units from open to closed position, and vice versa, a lever latch 6 extending underneath, adjacent and longitudinally of the top having an intermediate portion fulcrumed at 7 on the top at an intermediate portion of the top and having a hook-like latch end 8 engageable by the guided member 4 in its movement to force the hook-like end away from the top to enable the guided member to pass and to move to hooked latching position, the other handle end 9 of the lever being adjacent an end edge of the top in convenient position for manipulation, and spring means 10 biasing the lever to move to latching position.

As shown in Fig. 3, the upper rounded end of the leg unit 3 engages the lower surface of the top 1, thus cooperating with the guide 5 and guided member 4 for insuring that the guided means are guided for rectilinear movement.

The hook-like latch end has a plurality of longitudinally-spaced recesses 11 for selective engagement with the guided member 4 for securing the desired height of the top. The latch comprises a pair of latch members 12 straddling the guide 5 for maintaining alignment.

The crossed leg units 2 and 3 are pivoted together at their intermediate portion at 13, one unit 2 having its upper end pivotally secured to the top at 14 and the other leg unit 3 having its

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upper end connected with the guided member 4.

In changing the table from its folded position to its position for use, shown in Fig. 1, the table may be placed with the end 15 of the top on the floor and the end 16 of the leg unit 3 and the end 17 of the board moved to separate them, causing the guided member 4 to slide in its guided movement until it engages the sloping end edge 18 of the latch lever. As the guided member continues to move, it will force the latch end 8 of the latch lever away from the top 1, enabling the guided member to engage any one of the several notches in the latch lever to hold the top at the desired elevation when placed in position for use.

To change the table from the position of use shown in Fig. 1 to the folded position the end of the latch lever is moved upwardly toward the top, thus releasing the latch end from engagement with the guided member and enabling the top and leg units to move to folded position.

It will be seen, when the leg units 2 and 3 are moved to folded closed position, with the end 16 of the leg unit 3 against the end 17 of the board, that the distance of those ends of the upper and lower guide surfaces on 1 and 5 which are remote from the pivotal mounting 14, from said pivotal mounting, is at least as great as the sum of the distance between the pivotal mounting 14 and the pivotal connection 13, plus the distance from 13 to 4.

Further modifications will be apparent to those skilled in the art and it is desired, therefore, that the invention be limited only by the scope of the appended claims.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. An ironing table comprising a top, leg units mounted on said top for movement in unison from a folded to an extended position, means for holding said leg units in different positions of adjustment comprising guided means movable with the upper end of one of said leg units, said table having guide means including upper and lower smooth unobstructing guide surfaces between which said guided means are guided for rectilinear movement underneath and parallel to said top in the entire movement of the leg units from open to closed position, and vice versa, said leg units comprising a pair of crossed units pivoted together at their intermediate portions, one unit having its upper end pivotally secured to said top and the other unit having its upper end movable with said guided means, said crossed units being foldable flat underneath the top by movement of said guided means away from the pivoted upper

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end, the distance of the ends of said guide surfaces remote from the pivotal mounting of said upper end from said pivotal mounting being at least as great as the sum of the distance between said pivotal mounting and the pivotal connection of said crossed units plus the distance from said pivotal connection to said guided means, and means for securing said guided means in a plurality of different positions along said guide means to adjust the height of the table top comprising releasable latch means mounted on said top movable into and out of the path of said guided means for holding said guided means in said different positions and releasing them for movement between said guide surfaces, said securing means comprising a pivoted latch member extending longitudinally of the table underneath said guided means, having a plurality of longitudinally-spaced upwardly open recesses for selective engagement with said guided means for securing the desired height of the top, said latch member being movable downwardly out of the path of said guided means, means for pivotally mounting said latch member on said table and underneath said top and means for urging said latch member to swing upwardly into latching engagement with said guided means.

2. An ironing table comprising a top, leg units mounted on said top for movement in unison from a folded to an extended position, means for holding said leg units in different positions of adjustment comprising guided means movable with the upper end of one of said leg units, said table having guide means including upper and lower smooth unobstructing guide surfaces between which said guided means are guided for rectilinear movement underneath and parallel to said top in the entire movement of the leg units from open to closed position, and vice versa, said leg units comprising a pair of crossed units pivoted together at their intermediate portions, one unit having its upper end pivotally secured to said top and the other unit having its upper end movable with said guided means, said crossed units being foldable flat underneath the top by movement of said guided means away from the pivoted upper end, the distance of the ends of said guide surfaces remote from the pivotal mounting of said upper end from said pivotal mounting being at least as great as the sum of the distance between said pivotal mounting and the pivotal connection of said crossed units plus the distance from said pivotal connection to said guided means, and means for securing said guided means in a plurality of different positions along said guide means to adjust the height of the table top comprising releasable latch means mounted on said top movable into and out of the path of said guided means for holding said guided means in said different positions and releasing them for movement between said guide surfaces, said securing means comprising a one-way plural toothed hinged ratchet latch member enabling the guided means to force the teeth out of the way when moving toward the pivoted end of said unit and holding the guided means against movement in the other direction, means for pivotally mounting said latch member on said

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table and underneath said top and means for urging said latch member to swing into latching engagement with said guided means.

3. An ironing table comprising a top, leg units mounted on said top for movement in unison from a folded to an extended position, means for holding said leg units in different positions of adjustment comprising guided means movable with the upper end of one of said leg units, said table having guide means including upper and lower smooth unobstructing guide surfaces between which said guided means are guided for rectilinear movement underneath and parallel to said top in the entire movement of the leg units from open to closed position, and vice versa, said leg units comprising a pair of crossed units pivoted together at their intermediate portions, one unit having its upper end pivotally secured to said top and the other unit having its upper end movable with said guided means, said crossed units being foldable flat underneath the top by movement of said guided means away from the pivoted upper end, the distance of the ends of said guide surfaces remote from the pivotal mounting of said upper end from said pivotal mounting being at least as great as the sum of the distance between said pivotal mounting and the pivotal connection of said crossed units plus the distance from said pivotal connection to said guided means, and means for securing said guided means in a plurality of different positions along said guide means to adjust the height of the table top comprising releasable latch means mounted on said top movable into and out of the path of said guided means for holding said guided means in said different positions and releasing them for movement between said guide surfaces, said securing means comprising a one-way plural toothed hinged ratchet latch member enabling the guided means to force the teeth out of the way when moving toward the pivoted end of said unit and holding the guided means against movement in the other direction, said latch member being movable downwardly out of the path of said guided means, means for pivotally mounting said latch member on said table and underneath said top and means for urging said latch member to swing upwardly into latching engagement with said guided means.

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