Nov. 30, 1926. 1,608,569

G. E. SHOREY

IRONING BOARD

Filed Jan. 16, 1925

Fig. 1.

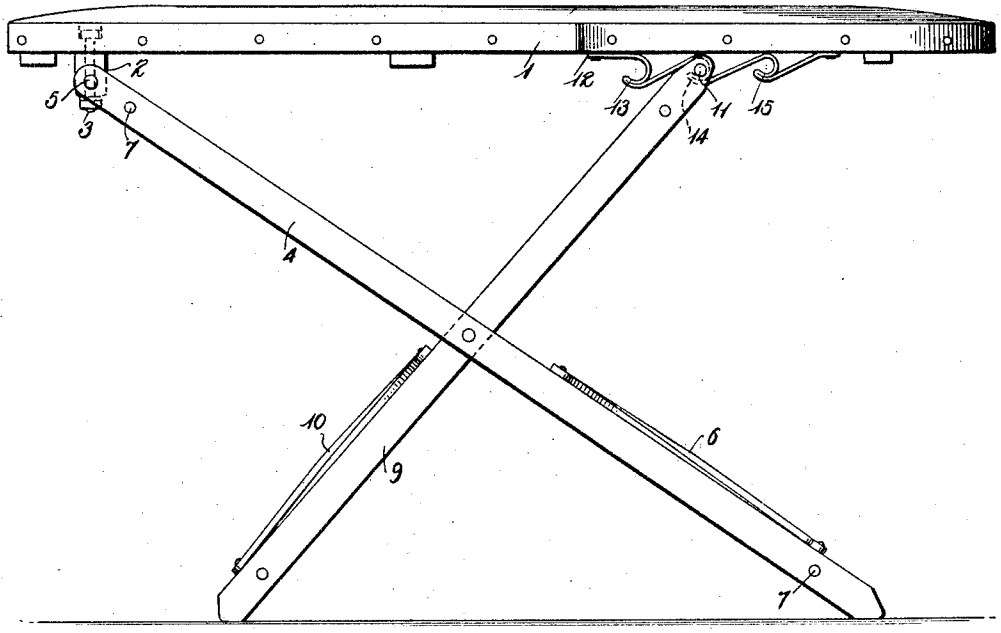


Fig. 2.

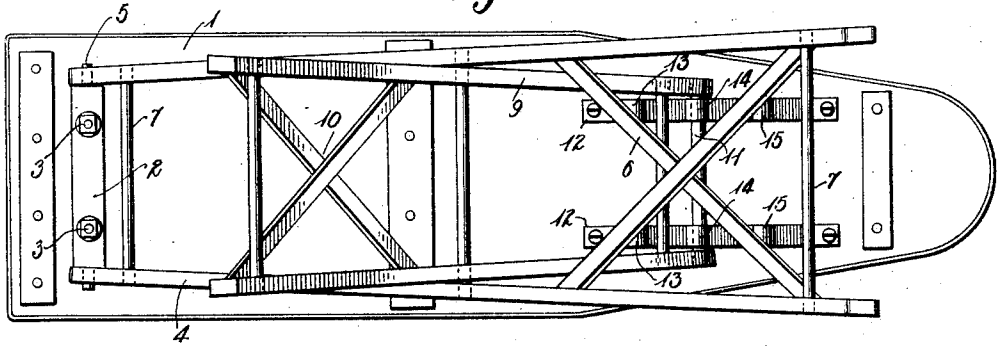
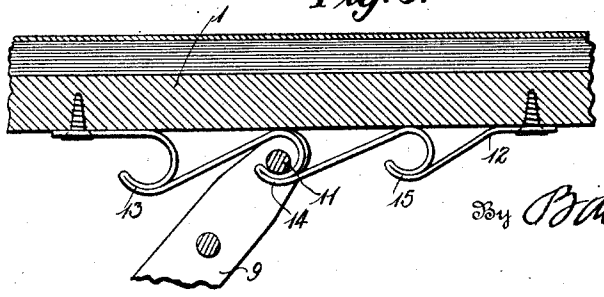


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE E. SHOREY, OF FAIRFIELD, MAINE, ASSIGNOR, BY MESNE ASSIGNMENTS, TO RAYMOND S. OAKES, TRUSTEE, OF PORTLAND, MAINE.

IRONING BOARD.

Application filed January 16, 1925. Serial No. 2,395.

The invention relates to improvements in foldable ironing boards.

It is an object of the invention to provide an ironing board with securing means for the free leg thereof, which is adapted to so retain the leg when inserted therein as to prevent accidental collapsing when the board is moved from place to place.

With the foregoing conception in mind, the invention embodies an ironing board having disposed on the under surface thereof a series of separated resilient hooks so formed in relation to the ends of the free leg as to place a cross bar of the leg under some tension when passing the bill of any hook and to thereby retain the leg in position against accidental displacement. In accordance with the invention, however, it will be understood that the leg can be disengaged at the option of the user by snapping the rung from engagement with its connecting hook.

The invention further comprises improvements in the embracing means for the legs of the board and the means for attaching one of the legs to the board.

In the accompanying drawings Fig. 1 represents a perspective view of the board in operation position,

Fig. 2 represents a bottom view of the device, and

Fig. 3 represents a longitudinal view partly in section displaying particularly the fastening device.

Referring now more particularly to the drawings, wherein like reference characters indicate corresponding parts, the numeral 1 designates the ironing board which may be of any desired construction and size. At one end this board is provided with an extension 2 bolted to the board by the bolts 3 to which extension the fixed leg 4 is hinged by the pivot pin 5. This leg is also provided with cross braces 6 near the bottom thereof and near each end with upper and lower rungs 7. To the fixed leg there is preferably hinged the short leg 9, which leg is likewise braced by means of the cross braces 10, the upper end of the leg carrying a rung 11 by means of which the short leg is attached to the board when the same is in a raised position by means to be now described.

The under side of the board has attached thereto a pair of parallel metallic strips 12, each strip being folded or bent intermediate its ends to provide the hooks 13, 14 and 15 in each strip. The hooks lie in axial alignment so that two hooks are in use whenever the short leg is attached to the ironing board.

Referring now more particularly to the formation of the hooks, it will be observed that each hook has a substantial bill portion 15 extending toward the lower surface of the ironing board and providing an entrance to the hook so restricted as to cause a resilient pressure to be exerted against the under side of the rung of the short leg when this rung is being inserted within any one of the hooks. In other words, the rung must be sprung past the resilient bill and once it is engaged by any hook it cannot be removed until it is sprung past the bill portion. This prevents an accidental collapsing of the ironing board when being moved from place to place. The rung is so spaced from the ends of the short leg that these ends bear against the under side of the board to prevent an upward movement of the legs when the rung is being sprung past the hook bills, and likewise prevent a removal of the rung until sufficient pressure is exerted thereon to cause the rung to spring past the bill and become disengaged from the hook. This only occurs when the board is being purposely folded. It will be noted that the bills of the hooks 14 and 15 successively extend toward the ironing board greater distances than the bills of the hooks 13. This is necessary inasmuch as the angle of the short leg changes as it is moved to raise or lower the board and to engage different hooks, and it is, of course, desirable to have all the hooks so formed that the bills thereof exert a resilient pressure on the rung of the short leg when the leg is being introduced to any pair of hooks. The rung 11 is positioned at a point from the end of the rounded cam like surface of the short leg 9 than it is from the inner side of the cam portion afforded by the end of the leg. Therefore due to the varying angular position of the cam like portion of the leg with respect to the board, caused by the angular movement of the short leg 9, the hooks 15 are progressively increasing in size and the

engagement of the cam end short leg with the under side of the board causes a snug and resilient engagement.

Having thus described my invention, what I claim is:

The combination of an ironing board, a hinged main leg therefor, a short leg pivotally connected to said main leg and resilient means for detachably and adjustably securing said short leg to said board, said means comprising a strip of resilient metal bent intermediate its ends at a plurality of places to form a series of integrally hook shaped elements having bills of metal rebent upon itself, said strip of metal being secured to the underside of the board, said short leg having a rounded cam like end portion for engaging the bottom of the ironing board when the leg is in its operative position, a transverse rung secured to said short leg at a point below the upper end portion thereof, said rung being positioned further from the end of the rounded cam like portion of the leg than from the inner side portion thereof, said resilient metallic hook portions being adapted to be sprung over and embrace the transverse rung upon the upward pivotal movement of the short leg, said hook shaped elements being of progressively increasing size from one end of the board to the other to thereby accommodate the rung irrespective of the varying angular abutting position of the cam relative to the bottom of the board caused by the pivotal movement of the short leg with respect to the board.

In testimony whereof I affix my signature.

GEORGE E. SHOREY.