No. 846,105. PATENTED MAR. 5, 1907.

E. W. HARRIS, W. BREMER & N. RASMUSSEN.

IRONING BOARD.

APPLICATION FILED OCT. 2, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

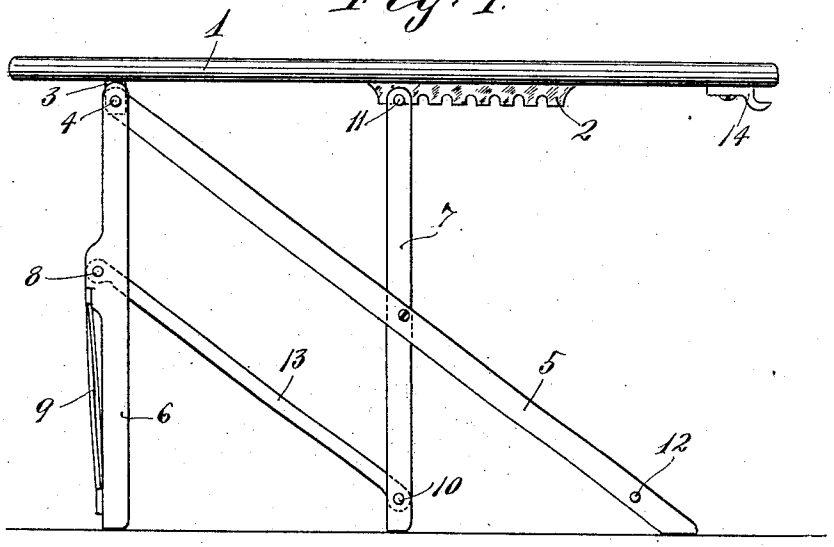
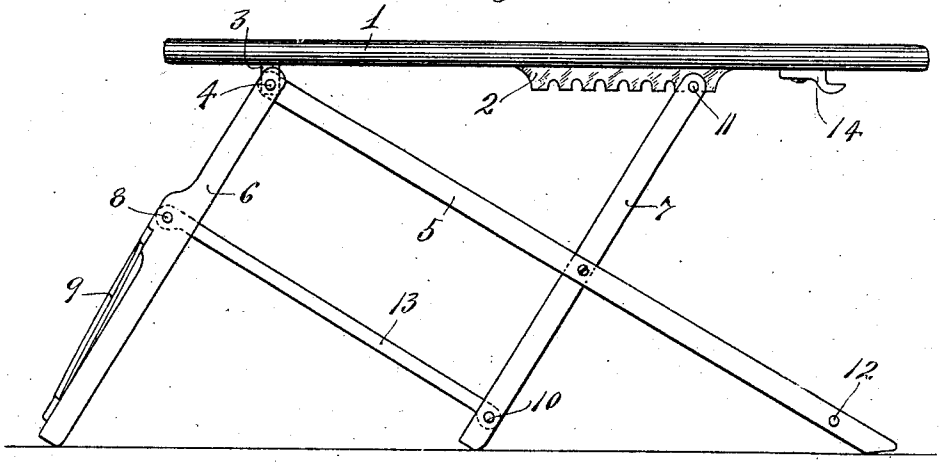


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

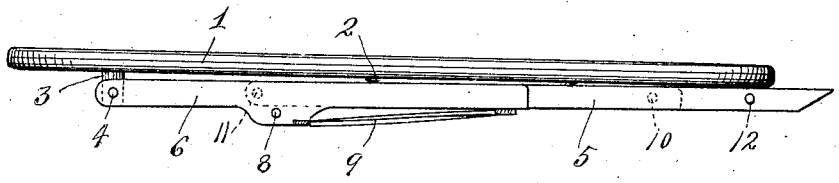
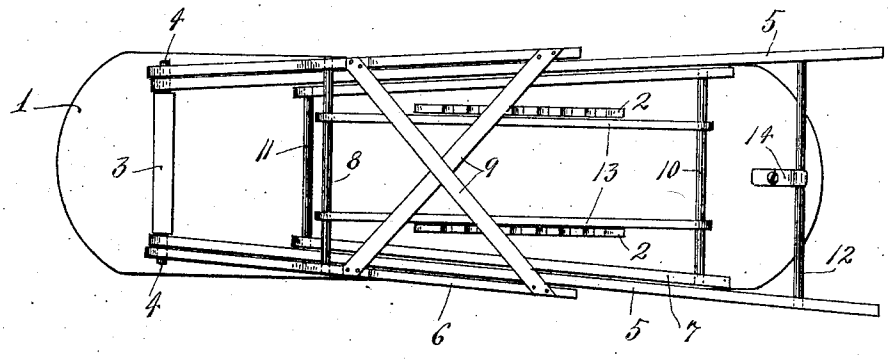


Fig. 4.



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UNITED STATES PATENT OFFICE.

ELMER W. HARRIS, WILLIAM BREMER, AND NELS RASMUSSEN, OF CEDAR FALLS, IOWA, ASSIGNORS TO HARRIS & COLE BROS. INC., OF CEDAR FALLS, IOWA, A CORPORATION OF IOWA.

IRONING-BOARD.

No. 846,105. Specification of Letters Patent. Patented March 5, 1907.

Application filed October 2, 1905. Serial No. 280,944.

To all whom it may concern:

Be it known that we, ELMER W. HARRIS, WILLIAM BREMER, and NELS RASMUSSEN, citizens of the United States, residing at Cedar Falls, in the county of Blackhawk and State of Iowa, have invented certain new and useful Improvements in Ironing-Boards; and we 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.

Our invention has for its object to provide an improved ironing-board having greater stability and other features of improvements which will hereinafter appear.

To these ends the invention consists of the novel devices and combinations of devices hereinafter described, and defined in the claims.

In the accompanying drawings, which illustrate the invention, like characters indicate like parts throughout the several views.

Figures 1 and 2 are side elevations showing the preferred form of our improved board set up for use, said two views indicating different adjustments thereof. Fig. 3 is a side elevation of the improved board, showing the same folded; and Fig. 4 is a bottom plan view of the folded device.

The numeral 1 indicates the ironing-board proper, on the under surface of which is a pair of laterally-spaced longitudinally-extended notched lock-bars 2. As shown, the lock-bars 2 terminate at their right-hand ends as viewed in the drawings a very considerable distance inward of the right-hand end of the board 1. A considerable distance from its left-hand end the board 1 is provided on its under surface with a rigidly secured transversely-extended bar 3, which is formed at its outer ends with trunnion-like projections 4. A pair of laterally-spaced long legs 5 are pivoted on the trunnions 4, and just outward thereof a second pair of legs 6 are pivoted at their upper ends on the said trunnions 4. A third pair of legs 7 are pivoted at their intermediate portions to the intermediate portions of the long legs 5. The legs 6 and 7 are approximately of the same length and are relatively short as compared with the legs 5. The legs 6 are rigidly connected by a tie-rod 8 and by crossed slats 9. The legs 7 are rigidly connected near their lower ends by a tie-rod 10 and are rigidly connected at their upper ends by a tie-rod 11. The long legs 5 are rigidly connected near their lower ends by a tie-rod 12. A pair of laterally-spaced links 13, pivoted at their ends on the tie-rods 8 and 10, connect the lower ends of the legs 7 to the intermediate portions of the legs 6. The tie-rod 11 is adapted to be engaged with the notches of the lock-bars 2 to hold the three pairs of legs in any set position with respect to each other and with respect to the board 1. The extreme adjustments are indicated in Figs. 1 and 2.

The links 13 and the three pairs of legs form an adjustable parallelogram and connect the said legs so that the legs 6 and 7 will always remain parallel and the legs 5 and links 13 will remain parallel under all adjustments of the parts. This construction also, therefore, provides an arrangement in which the lower ends of the three pairs of legs will terminate in the same plane, and hence will bear upon the floor under all adjustments of the parts.

Fig. 1 shows the legs 6 and 7 turned into vertical positions to support the board 1 in its highest position, while Fig. 2 shows the legs adjusted so as to throw the board 1 to its lowest position. This arrangement provides six supports for the board and ties the several supports together in such a way that they brace each other and very firmly support the board 1. Furthermore, by reference to Fig. 1 it will be seen that when the parts are adjusted as therein shown approximately one-half of the board 1 is projected clear of and beyond the legs 7, while the long legs 5 engage the floor nearly as far out as the projecting end of the board 1. This arrangement affords a support which will prevent the projecting end of the board from tilting downward under pressure thereon, and the long projection of the board permits skirts and various other articles to be slipped over the end of the board for the purpose of ironing.

The several pairs of legs and the several parts described are so related that they may be folded together, as shown in Figs. 3 and 4. When thus folded, the several pairs of legs are adapted to be locked to the board 1 by means of a turn-button 14, pivoted to the

under side of said board and engageable with the tie-rod 12 at the free ends of the legs 5. (See Fig. 4.)

What we claim, and desire to secure by Letters Patent of the United States, is as follows:

1. An ironing-board having three pairs of pivotally-connected supporting-legs, all of which are arranged to engage with the floor, two of which pairs are connected for parallel movements, and for angular movements with respect to the third pair of legs, substantially as described.

2. The combination with an ironing-board, of two pairs of legs pivotally connected thereto, a third pair of legs crossed with and pivotally connected to one of the aforenoted pairs of legs, and a link pivotally connecting the first two pairs of the aforenoted legs for parallel movements and for angular movements with respect to the third pair of legs, substantially as described.

3. The combination with an ironing-board 1, having a notched lock-bar 2 depending therefrom, of a pair of relatively long legs 5, and a pair of relatively short legs 6, pivotally connected to said board 1 at common pivotal points, the second pair of relatively short legs 7 crossed with and pivotally connected to said long legs 5 and having at their upper ends the tie-rod 11, engageable with said notched bar 2, and the link 13 connecting said legs 6 and 7 for parallel movements and for angular movements with respect to said legs 5, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

ELMER W. HARRIS.
WILLIAM BREMER.
NELS RASMUSSEN.

Witnesses:
ALFRED GRUNDY,
M. G. HARRIS.