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S. K. DAVIS.

COMBINED IRONING BOARD AND TABLE.

APPLICATION FILED JAN. 11, 1904.

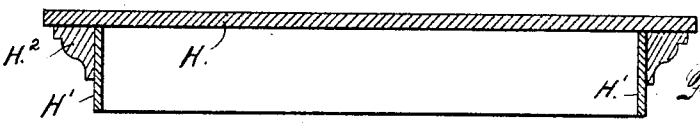


Fig. 2.

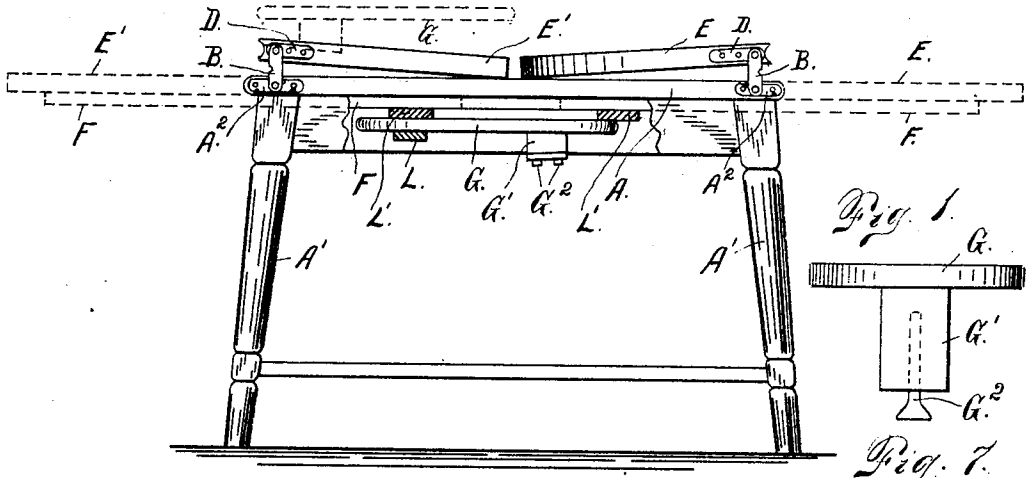


Fig. 1.

Fig. 7.

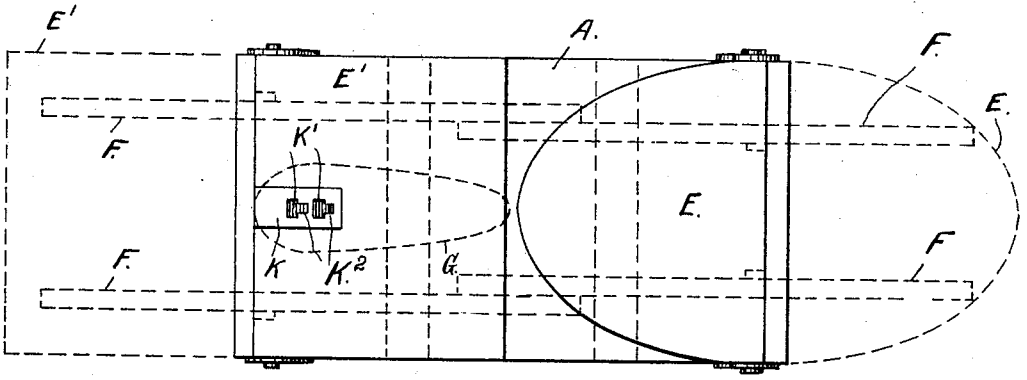


Fig. 3.

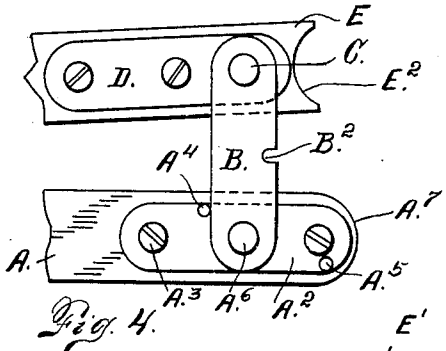


Fig. 4.

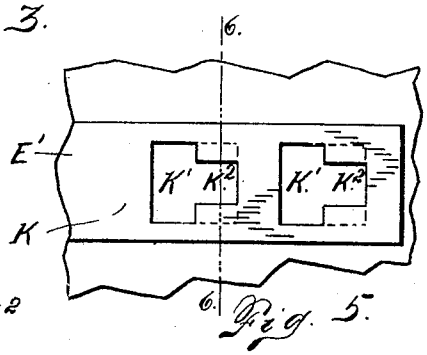


Fig. 5.

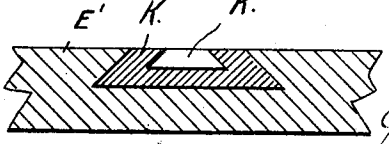


Fig. 6.

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No. 784,781. Patented March 14, 1905.

UNITED STATES PATENT OFFICE.

STEWART K. DAVIS, OF DENVER, COLORADO.

COMBINED IRONING-BOARD AND TABLE.

SPECIFICATION forming part of Letters Patent No. 784,781, dated March 14, 1905.

Application filed January 11, 1904. Serial No. 188,637.

To all whom it may concern:

Be it known that I, STEWART K. DAVIS, a citizen of the United States of America, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in a Combined Ironing-Board and Table; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in a combined ironing-board and table, one object being to provide a combination device which when not used as an ironing-board may be used as a table, and vice versa.

My further object is to provide an ironing-board portions of which are adapted to fold, whereby the board is made to occupy small compass when not in use, but at the same time is of ample capacity when unfolded or put into operative position.

A further feature of my improvement consists of a removable table-top having depending flanges or parts adapted to surround and conceal the ironing-board structure when the device is used for ordinary table purposes.

A further feature of my improved device consists of an auxiliary device adapted to be connected with the main device and capable of use for sleeve-ironing purposes or for the ironing of portions of garments which are closed or of sleeve-like character. This sleeve-ironing device is capable of being readily attached and detached from the body of the board when not needed.

Having briefly outlined my improved construction, as well as the objects I expect to attain thereby, I will proceed to describe the same in detail, reference being made to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a side elevation of my improved device with the table-top removed. Fig. 2 is a sectional detail view of the table-top. Fig. 3 is a top or plan view of the device with the table-top removed and the folding portions of the ironing-board closed or folded up to occupy the position when not in use for ironing purposes, while the ironing-board position of these parts is indicated by dotted lines. Fig. 4 is an enlarged detail view illustrating the special construction of hinge mechanism or means for connecting the folding parts with the stationary central part of the ironing-board. Fig. 5 is a detail view of a metal plate set into one part of the ironing-board and adapted to hold the detachable sleeve-ironing part. Fig. 6 is a section taken on the line 6 6, Fig. 5. Fig. 7 is an end elevation of the sleeve-ironing device shown on a larger scale.

The same reference characters indicate the same parts in all the views.

Let A designate the central portion of the ironing-board, the same being mounted on legs A' and being relatively stationary. To the extremities of this part A and on opposite sides thereof are attached metal plates A^2 by means of screws A^3. These plates are also provided with two pins, (designated A^4 and A^5, respectively.) Each plate A^2 is further provided with a central pivot A^6, upon which one extremity of a link B is pivotally connected, the other extremity of this link being pivotally connected, as shown at C, with a metal plate attached to the folding part E or E' of the ironing-board, as the case may be. The ironing-board parts E and E' at their hinging extremities are hollowed out, as shown at E^2, to engage or interlock with the curved or convex adjacent extremity A^7 of the part A. When the parts E and E' are in the folded position, the link B occupies a vertical position, its inner edge engaging the pin A^4, whereby the link is prevented from moving farther inwardly. One edge of this link is provided with a recess B^2, adapted to engage the pin A^5, whereby the link is prevented from further downward movement when the hinged parts E and E' are thrown to the extended or ironing position, as indicated by dotted lines in Figs. 1 and 3 of the drawings.

While I have shown a special form of hinge construction for connecting the folding parts with the stationary part of the ironing-board, it must be understood that I do not limit the

invention to this exact hinging construction, as I am aware that other forms of construction may be employed without departing from the spirit of the invention.

When the folding members E and E′ of the ironing-board are extended to the dotted-line position in Figs. 1 and 2, they are supported from underneath by extensible arms F, which when the parts E and E′ are not extended are moved inwardly and occupy a position beneath the part A in a manner that will be readily understood. The detachable table part H is provided with a depending flange or rim H′, extending entirely around the same, a molding H^2 being shown on the outside of the flange H′. This flange is of sufficient depth to conceal the ironing-board parts when the table-top is placed in position.

In one of the folding parts, being the part E′, as shown in the drawings, is set a metal plate K, in which are formed two recesses K′, being virtually mortises with vertical walls. Communicating with these recesses K′ are dovetailed recesses K^2, adapted to receive depending lugs G^2, attached to the bottom of a block G′, formed on the sleeve-ironing part G. The lugs G^2 are of dovetail shape to fit the recesses K^2, and they are of a size to enter the communicating recesses K′. The two parts G^2 are first dropped into the recesses K′, after which the device G is moved to cause the lugs G^2 to enter the dovetailed part K^2. This plate K is set in the under surface of the hinged part E′—that is to say, the surface of the said part which is lowermost when the part E′ is in the ironing position. This surface, however, is uppermost when the part E′ is folded to the position shown in full lines in the drawings. It is when in this position that the sleeve-ironing piece is employed. When not in use, the part G is supported underneath the stationary part A of the board, being held in place between two pieces L and L′. There are two parts L′ occupying the same plane and located a short distance below the part A. These pieces L′ form a support for the sliding parts F, which support the hinged members E and E′ of the ironing-board when the latter are extended or thrown to the dotted-line position in Figs. 1 and 3.

Having thus described my invention, what I claim is—

1. An ironing-board consisting of a central, relatively stationary part mounted upon legs, and two folding parts hinged to the outer extremities of the stationary part, and adapted to be extended to occupy the same plane as the stationary part, a pair of links connecting each folding part with the stationary part, and a pin mounted on the stationary part outside of each link-pivot, each link being provided with a recess adapted to engage said pin when the folding part is in the extended position.

2. In an ironing-board construction, the combination with a central, relatively stationary part mounted upon legs, of two folding parts, links connecting the folding parts with the stationary part, and pins mounted on the stationary part on opposite sides of each link-pivot, one pin being in position to prevent further movement of the link when the folding part is in the folded position, and the other pin being in position to engage the link and support the folding part when in the extended position.

3. A combination table and ironing-board, consisting of a relatively stationary part mounted upon legs, folding parts, links connecting the folding parts with the extremities of the stationary part, pins mounted on the stationary part on opposite sides of the link-pivots, one set of the pins limiting the movement of the links when the folding parts are folded, and the other set of pins supporting the folding parts when extended, and a removable top having depending flanges adapted to inclose the ironing-board features when the folding parts are in the closed position, substantially as described.

4. An ironing-board consisting of a central, relatively stationary part mounted upon legs, two folding parts hinged to the outer extremities of the stationary part, links forming the hinging connection between the folding parts and the stationary part, the stationary part at each end being provided with a pin and each link having a notch adapted to engage the pin when the folding parts are extended, and sliding parts adapted to be extended to further support the folding parts when the latter are in the extended position.

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

STEWART K. DAVIS.

Witnesses:

DENA NELSON,

A. J. O'BRIEN.