Dec. 16, 1947. A. K. PETERS 2,432,932

IRONING BOARD AND SUPPORTING MEANS THEREFOR

Filed Jan. 17, 1946 2 Sheets-Sheet 1

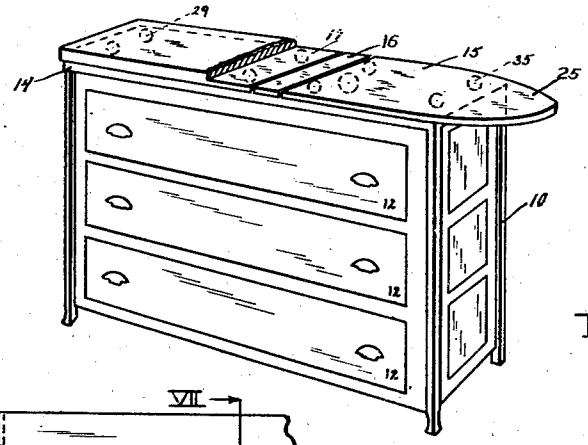

Fig. I.

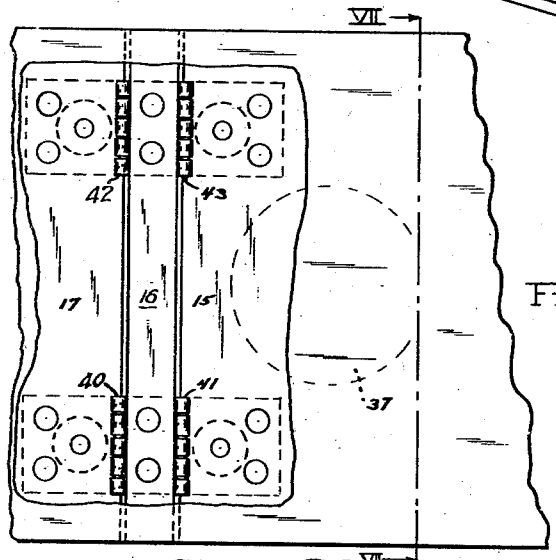

Fig. VI.

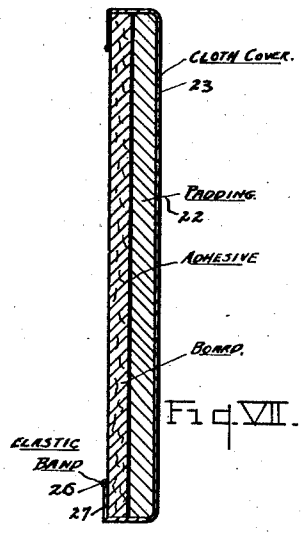

Fig. VII.

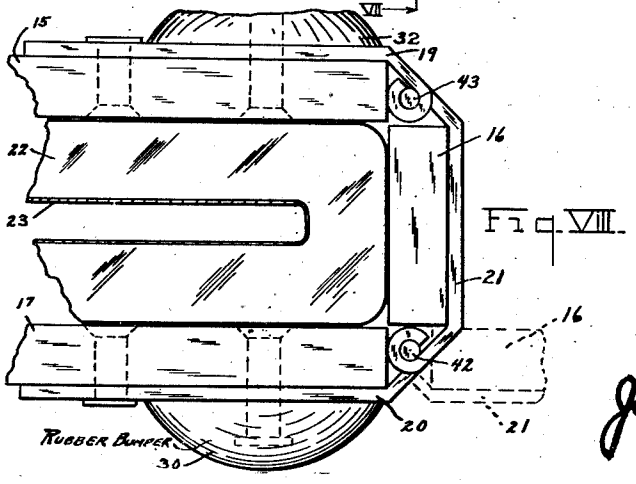

Fig. VIII.

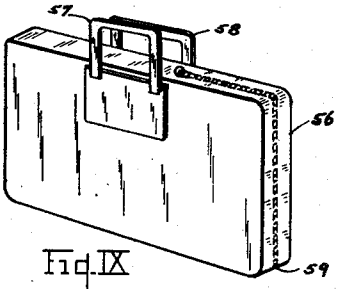

Fig. IX

INVENTOR.
A. KAREN PETERS.
BY
Joseph B. Lindecker
ATTORNEY.

Dec. 16, 1947. A. K. PETERS 2,432,932

IRONING BOARD AND SUPPORTING MEANS THEREFOR

Filed Jan. 17, 1946 2 Sheets-Sheet 2

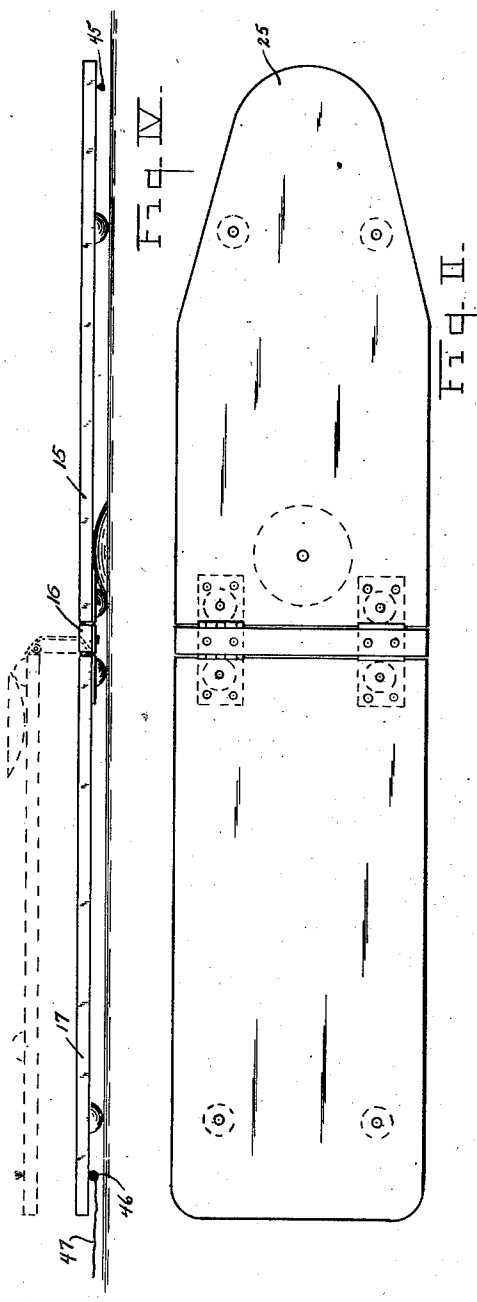

Fig. IV.

Fig. II.

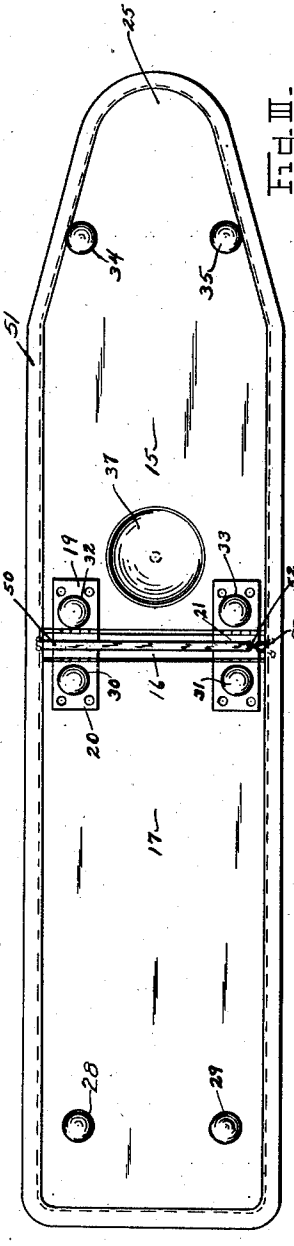

Fig. III.

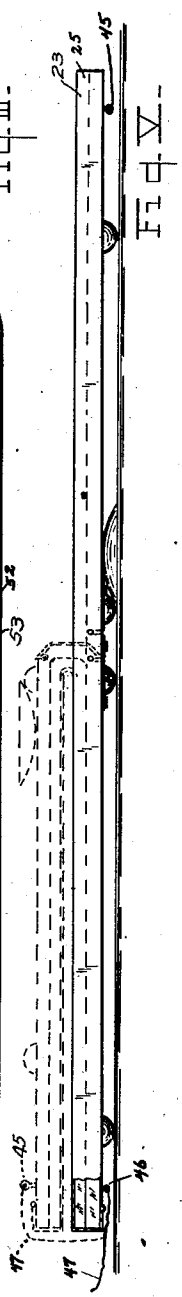

Fig. V.

INVENTOR.
A. KAREN PETERS.
BY
Joseph B. Lindecker
ATTORNEY.

Patented Dec. 16, 1947

2,432,932

UNITED STATES PATENT OFFICE

2,432,932

IRONING BOARD AND SUPPORTING MEANS THEREFOR

A. Karen Peters, Cincinnati, Ohio

Application January 17, 1946, Serial No. 641,718

1 Claim. (Cl. 38—130)

1

This invention relates to a folding portable ironing board.

It is an object of this invention to provide a folding board of simple, durable and economical construction so made and arranged as to be folded into a compact and small space in order that the same may be placed and maintained in a clean condition in a traveling case or the like.

It is a further object of this invention to provide a folding ironing board with such an arrangement of parts that when it is unfolded or extended it may be used in any place by placing it upon a table, hotel dresser, or like objects.

It is a still further object of this invention to provide a folding ironing board having two main sections and an intervening piece or section, the three sections covered with padding and cloth and hinged together whereby the cloth side of the section of the two end portions of the board may be folded into a position juxtaposed each other whereby they may be in contact with or separate from each other as desired.

This invention further includes a folding ironing board equipped with a plurality of holding devices for securing the board to a table or the like, and more particularly to a board having one or more vacuum cup holding devices suitably spaced upon the bottom thereof to allow the smaller or tapered end of the board to extend beyond the edge of a table, desk, or the like so that said end is adapted for use in ironing smaller portions of garments or clothing requiring an extended board. One or more vacuum cups placed near the hinged end of said overhanging portion of the board allows rubber supporting members or bumpers to be spaced in from the pointed end thereof so that they may rest upon said table or the like, the vacuum holding means and supporting members or bumpers providing the necessary hold-down effect to prevent tipping of the extended end of the board.

The special and novel phases of the invention herein disclosed is an ironing board comprising a section with a rear end, a rounded front end, and a tapered portion intermediate said ends, a suction cup attached at the rear end of said section, and supporting members mounted on the tapered portion of said section with a portion of said tapered portion projecting outwardly from said supporting members, to provide an unobstructed nose portion, the distance from said supporting members to said rounded front end being considerably less than the distance from said supporting members to said rear end; whereby a relatively heavy downward force acting on the

2

projecting portion of the section, may be resisted by a comparatively lighter force, by said suction cup, and will be better understood by reference to the following detailed description which is to be taken in conjunction with the accompanying drawing, in which:

Figure I is a perspective view of a table, or dresser, and showing the ironing board, referred to above, in position upon said dresser, a major portion of the padding and cover being removed to show the hinged portion of said board.

Figure II is a plan of the upper side of and showing the invention in an unfolded position, the padding and cloth removed.

Figure III is a plan view of the lower side of the ironing board.

Figure IV is a side elevation of the ironing board without the padding and cloth, some parts shown dotted to show the position thereof when folded for storage.

Figure V is a side elevation of the invention, some parts shown dotted in folded position.

Figure VI is an enlarged partial top view of the invention with a portion of the padding and cloth removed to show the center portion of the ironing board and a portion of the hinges.

Figure VII is a sectional view taken on line VII—VII of Figure VI.

Figure VIII is an enlarged partial view showing the invention in folded position.

Figure IX is a perspective view of the ironing board collapsed and enclosed in a casing provided for the same.

Referring more specifically to the drawings, the numeral 10 denotes a table or dresser, with drawers 12 and top 14 convenient for placement of an ironing board on the top thereof.

The ironing board proper consists of three sections 15, 16, and 17, which are hinged together transversely as will be presently described. Sections 15 and 17 are connected to the end sections 19 and 20 respectively of a three section hinge having sections 19, 20 and 21. The central section of the board 16 is interposed between sections 15 and 17 and secured to the central section 21 of the hinge as clearly shown in Figure III. Section 16 is a very narrow board in actual use, however it is shown larger in the drawings to clarify the description.

The three section hinge is clearly shown in Figure VIII, said hinge being secured to the lower surfaces of the ironing board, however it allows the ironing board to be folded, thus providing space for the padding 22 and cloth 23 as used on this type folding board. In folding the

padded and covered ironing board, the board section 15, with rounded and tapered end portion 25, is swung up and over section 17 so that said sections 15 and 17 are parallel with each other but spaced a suitable distance apart from each other to form a space for the two layers of padding and cloth.

The padding 22 is secured to top portions of sections 15 and 17 by suitable material such as cement, adhesive, or other desired means. The cloth 23, covers the pad completely and overlaps the edge and end portions of said board and is held in place by a flexible binding element 26 positioned in a hem or pocket 51 in the periphery 27 of said cover 23, the binding element holding said periphery in engagement with the bottom surface of said board sections 15, 16 and 17.

A piece of elastic tape or cord 50 is secured permanently to one edge of the hem 51 and having its other end provided with a hook 52 to engage an eyelet 53, or other suitable fastening device on the opposite hem 54 of the cover 23. The tape is suitably arranged or placed to lie parallel with and adjacent section 16 as shown in Figure III to prevent the cover 23 from snapping off of the board when the board is folded or unfolded.

Sections 15 and 17 are each provided with four supporting members, or four bumpers or supports 28, 29, 30, 31, 32, 33, 34, 35 made of rubber or other suitable material. Said supporting members or bumpers are suitably positioned to provide a stable ironing board. Bumpers 30, 31, 32 and 33 are positioned and secured to the board portions upon or near the hinges, to form a rigid mounting and prevent the ironing board from becoming unstable. A vacuum cup 37 is positioned between the bumpers 32 and 33 adjacent to the inner end of section 15. Said cup 37 is located near the hinge end of said sections 15 to form a hold-down device when said invention is placed upon a table or the like. When the invention is placed upon a dresser 10 as shown in Figure I, with the rounded and tapered end portion 25 extending over the end of said dresser 10, it is desirable to have supporting members or bumpers 34 and 35 a definite distance in from the pointed end of said board and the board, suitably arranged with said bumpers 34 and 35 at the end of said dresser. Said supporting members 34 and 35 are mounted on a tapered portion of the board with a portion of said tapered section projecting outwardly from said supporting members to provide an unobstructed nose portion. By locating one or more suction cups 37 near the hinges at a definite distance from said supporting members or bumpers 34 and 35 a mechanical advantage of leverage based on the fulcrum point of the bumpers 34 and 35 is given in favor of the cup or cups so that less suction is required to hold down said ironing board upon the top of a table or the like than if the suction cup or cups were located elsewhere. This makes it possible that a relatively heavy, downward force acting on the projecting section 25 of the board, may be resisted by a comparatively higher force, by said suction cup 37.

The hinge members 19, 20 and 21 are clearly shown in Figure VIII. Each of said hinges is of the improved butt type hinge with pins 40, 41, 42 and 43. All the portions of the hinge are so arranged and positioned as to be flush with or below the top of the board proper. The three sections being substantially continuous are adapted when arranged for use to present a smooth, substantially continuous upper surface, so as to form a perfect ironing board. Various types of hinges may be incorporated, as long as the ironing surface of the board remains continuous and smooth.

The ironing board has mounted on the end 25 a suitable eyelet 45, and section 17 has mounted thereon an eyelet 46 which has secured thereto a cord 47, said cord 47 being adapted to engage said eyelet 45 when the board is in folded position to hold the parts thereof in said position when the board is not in use, or stored, or arranged whereby it can be enclosed in a casing 56 provided for the purpose. Said casing 56 is clearly shown in Figure IX, arranged with the ironing board positioned therein. The casing is provided with handles 57 and 58, and further provided with a fastening device, or zipper, 59 to keep the casing closed, thus permitting the same to be conveniently carried from place to place, as on an automobile trip or the like.

In the drawing and specification there has been set forth a preferred embodiment of the invention, and although specific terms are employed, they are used in a generic and descriptive sense only, and not for purposes of limitation, the scope of the invention being set forth in the appended claim.

I claim:

An ironing board comprising a section with a rear end, a rounded front end, and a tapered portion intermediate said ends, a suction cup attached at the rear end of said section, and supporting members mounted on the tapered portion of said section with a portion of said tapered portion projecting outwardly from said supporting members, to provide an unobstructed nose portion, the distance from said supporting members to said rounded front end being considerably less than the distance from said supporting members to said rear end; whereby a relatively heavy downward force acting on the projecting portion of the section may be resisted by a comparatively lighter force, by said suction cup.

A. KAREN PETERS.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
170,750	Long	Dec. 7, 1875
858,969	French	July 2, 1907
864,617	Culbertson	Aug. 27, 1907
914,776	Aarons	Mar. 9, 1909
916,554	Held	Mar. 30, 1909
1,266,993	Romans	May 21, 1918
1,570,955	Evans	Jan. 26, 1926
1,622,451	Kroschell	Mar. 29, 1927
1,796,714	James	Mar. 17, 1931
1,875,922	Harbert	Sept. 6, 1932
1,933,374	Haggard	Oct. 31, 1933
2,003,604	McLeod	June 4, 1935
2,163,638	Vaughn	June 27, 1939
2,210,601	Scanlon	Aug. 6, 1940
2,214,824	Smith et al.	Sept. 17, 1940