Dec. 16, 1969 F. J. MICHALSKI 3,483,954

PORTABLE IRONING EQUIPMENT

Filed June 13, 1967 2 Sheets-Sheet 1

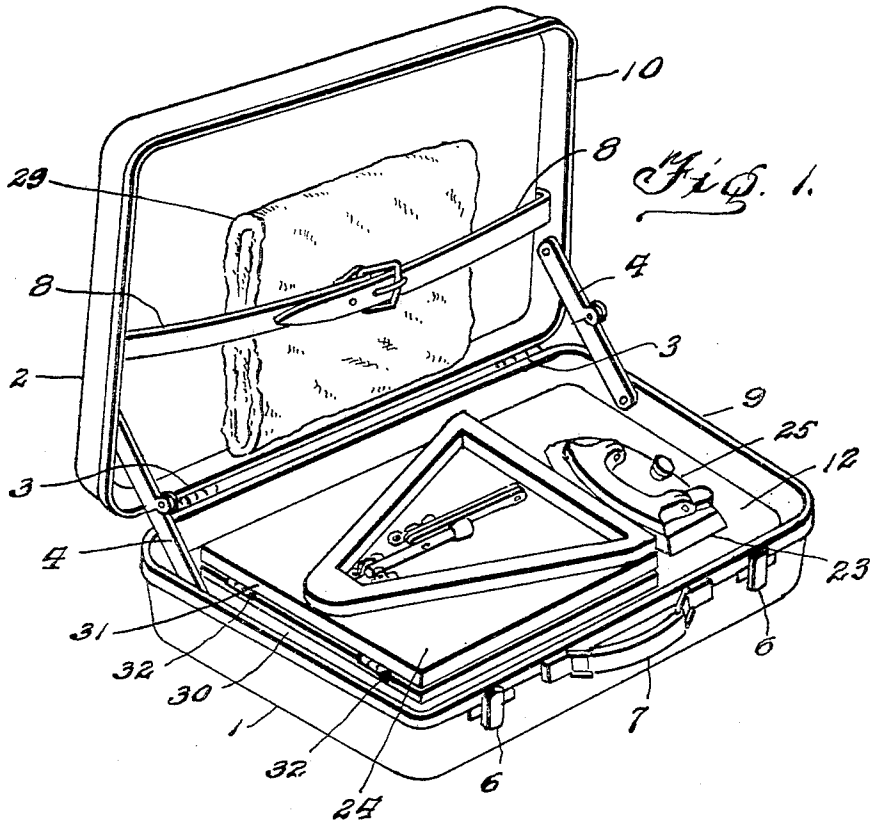


Fig. 1.

Fig. 2.

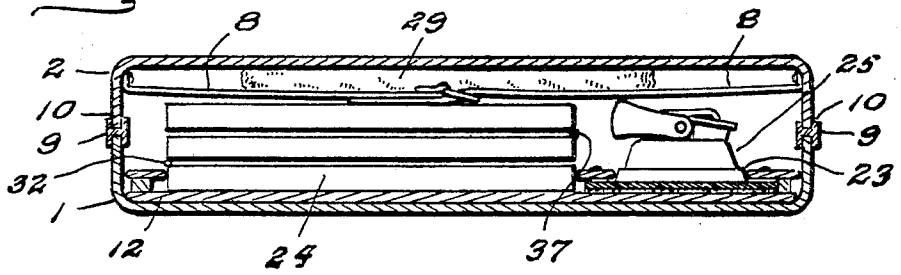
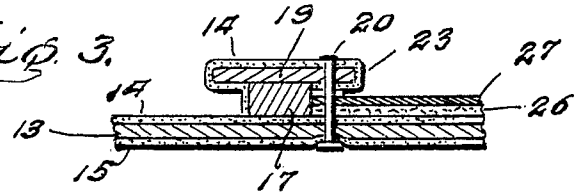


Fig. 3.



INVENTOR.
FRANK J. MICHALSKI,
BY
Hal H McCaleb
attorney

Dec. 16, 1969 F. J. MICHALSKI 3,483,954

PORTABLE IRONING EQUIPMENT

Filed June 13, 1967 2 Sheets-Sheet 2

Fig. 4

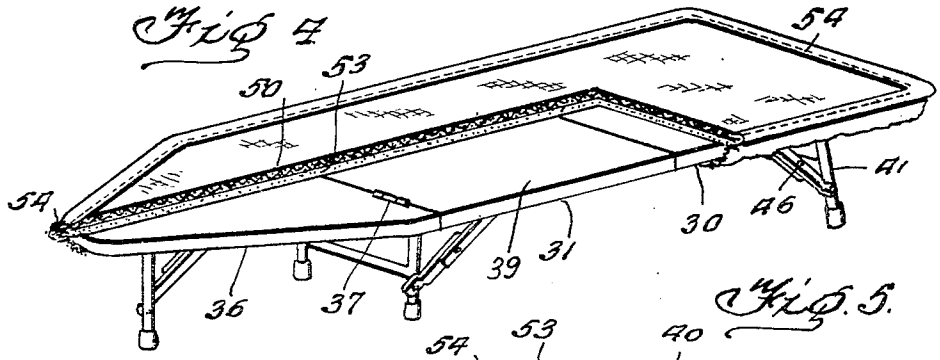


Fig. 5.

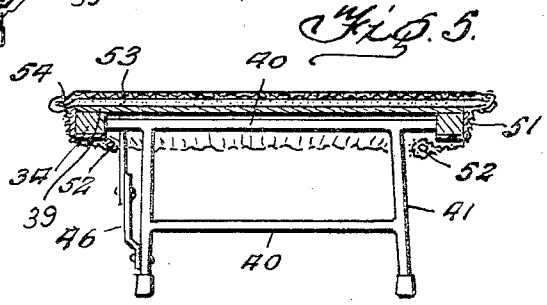


Fig. 6.

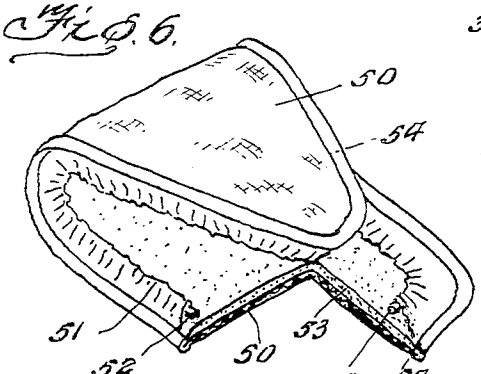


Fig. 7.

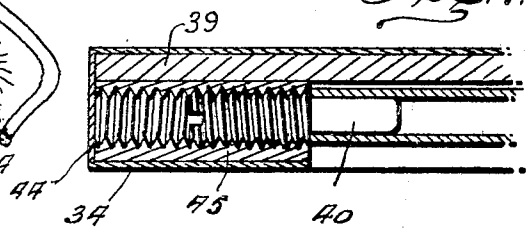
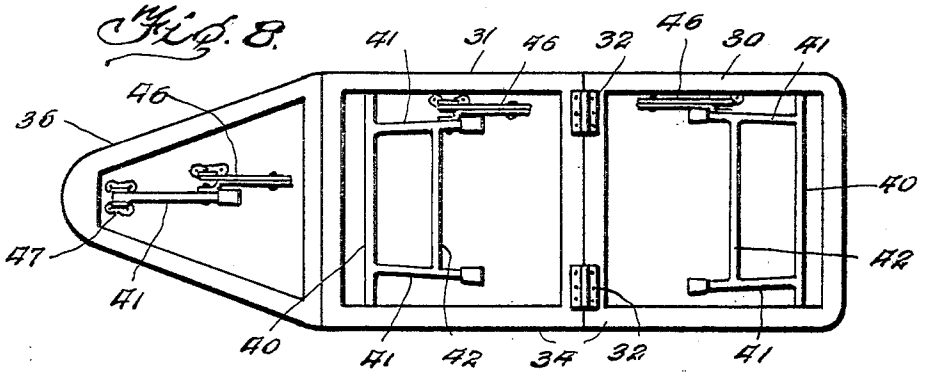


Fig. 8.



INVENTOR.

FRANK J. MICHALSKI.

BY

Hal H. McCoy

Attorney

United States Patent Office 3,483,954 Patented Dec. 16, 1969

3,483,954

PORTABLE IRONING EQUIPMENT

Frank J. Michalski, West Palm Beach, Fla., assignor of one-half to Frederick Danielski, Riviera Beach, Fla.

Filed June 13, 1967, Ser. No. 645,732
Int. Cl. A45c 15/00; A47b 3/087; D06f 81/02
U.S. Cl. 190—42 6 Claims

ABSTRACT OF THE DISCLOSURE

The invention is primarily directed to a small portable ironing board formed of two rectangular members and a terminal triangular member pivotally connected together by opposed hinges, so that the board will fold flat for storage and transportation; and, when open the adjacent edges of the pivoted members abut to form a flat smooth ironing surface. Foldable legs are pivotally connected with the three unit members of the ironing board to provide a rigid support therefor. A pad is stitched to a suitable cover to provide a unitary pad and cover for the board. A relatively thin lightweight carrying case has two compartments, one to receive the ironing board in folded position and the other adapted to receive an iron, which compartment is provided with a thermal insulating material; and, a retaining member is provided in the lid of the case to hold the unitary ironing board cover and pad.

This invention relates to portable ironing equipment, and more particularly is directed to foldable ironing boards, unitary pad and cover, together with, irons, and carrying cases fitted for these units.

An object of this invention is to provide a foldable ironing board that will be simple and economical in construction and efficient and durable in use.

Another object of this invention is to provide an ironing board of the class described which is in pivotally connected sections, foldable in opposite direction to provide a compact unit for storage, and be rigid and durable in use.

Another object of this invention is to provide an ironing board of the class described with pivotal legs, which are rigid and sturdy.

Another object of this invention is to provide an ironing board of the class described with a pad and cover secured together.

Another object of this invention is to provide an ironing board and cover of the class described, together with a carrying case compartmented to receive the board, cover and an electric iron.

The foregoing and other objects and advantages of this invention will be more apparent from the following specifications, taken in conjunction with the drawings, forming a part thereof wherein:

FIG. 1 is an angular view of the carrying case open with the ironing board, iron and padded cover positioned therein;

FIG. 2 is a vertical cross sectional view of the carrying case taken along the compartment edges with the case in closed position with the ironing board, iron and padded cover therein;

FIG. 3 is a vertical cross-sectional fragmentary view showing the construction of the compartment divider providing a cavity for the iron portion and the iron board portion;

FIG. 4 is an angular view of the ironing board in open position, with cover thereon, and a portion of the ironing board cut and shown in cross section to show its construction;

FIG. 5 is a transverse cross sectional view of the ironing board with cover thereon showing construction;

FIG. 6 is an angular view of the ironing board pad and cover partially folded, parts shown in cross section to illustrate construction;

FIG. 7 is a cross sectional view of a fragment of the ironing board showing the threaded means of connecting the legs to the board frame; and,

FIG. 8 is a bottom view of the ironing board in open position showing the pivotal legs, leg braces and inside hinges of the pivotally connected rectangular members of the board.

Referring to the drawings, wherein like members are given the same reference numeral, a conventional light weight traveling case having a bottom **1**, a lid **2**, hinge **3** connecting these members and hinged braces **4** for holding the members in open position, locks **6** and handle **7** together with lid straps **8**, an interlocking channel member **9** on the case and tongue member **10** cooperating with the channel member **9** to provide a seal between the lid and case, are of the usual conventional construction.

The carrying case is modified to provide cavity compartments for receiving the folding members. A bottom tray **12**, preferably of laminated construction, having a core **13**, decorative covering **14**, and rigid backing **15** is provided of a size to press fit into the case. Cavity compartments are provided with spacers **17**, and preferably a core material **19** and covering **14** which are secured to the bottom member **12** by a brad **20** extending through the bottom backing member **15** and spacer covering **14**. These spacer members **17** define a rectangular shaped cavity to receive the ironing board snugly therein when the ironing board **24** is folded and inserted therein. They also define a cavity **23** to receive an iron **25**, which cavity **23** is preferably provided with an asbestos base **26** upon which an ironing board stand and heat dissipater **27** such as metal, is provided.

The lid strap **8** holds the ironing board cover **29** in the lid.

The ironing board **24** comprises two rectangular members **30** and **31** which are pivotally connected on the underside by a pair of inside hinges **32** secured to the peripheral frame **34** for each of these members. A terminal substantially triangular member **36** has a width at its base the same as the rectangular member **31** and a length equivalent to the lengths of each of the rectangular members **30** and **31**. The rectangular member **36** is connected to the adjacent rectangular member **31** by means of a pair of flush hinges **37**, which have the flanges therefore recessed into the frame **34** of the adjacent members **31** and **36**, and may, if desired, have the circular hinge eyes and hinge pin also recessed in the frame.

The frame **34** of the board members is preferably covered with a plastic laminate **39** to provide a smooth surface.

Each of the rectangular members **30** and **31** have leg members, similar in construction, pivotally connected to opposed ends of the frames **34** of these rectangular members. These legs comprise an elongated rod **40** having a pair of coplanar legs **41** secured thereto and braced with a cross leg **42**. Each end of the rod **40** is threaded and inserted in a threaded sleeve **44** provided in the frame **34** which sleeve receives an internally and externally threaded nut **45** to threadedly engage the sleeve **44** and threaded end of the rod **40** to securely mount each end of the leg assembly to the frame **34**. The legs are provided with conventional hinged braces **46** pivotally connected in the middle and having appropriate abutting members so that when the legs are opened in a parallel plane they lock. These pivotal leg braces are well known and conventional.

The triangular member **36** of the ironing board is provided with a single leg **41** pivotally connected to a bracket **47**, and is provided with a pivotal leg brace **46**.

The unitary ironing board and cover comprises a conventional heavy cloth cover **50** fitted to the contour of the board and having depending portions **51** with elastic inserts **52**, and a foam rubber pad **53** of a size conforming to the top of the ironing board and secured to the cover **50** by stitching **54**.

In construction, the three ironing board frames have the leg rods **40** secured therein, recesses provided for the recessed hinges **37**, and then covered with the plastic laminate **39**, preferably on the sides and bottom of the frame **34** as well as across the top which forms the ironing surface. The cover is simple to construct, but it is sometimes desirable to use conventional binding tape alone or with upholsterers cord along the periphery of the board to secure the foam pad to the cover. The cavity tray to hold the iron and folded board starts with the backing member **15** conforming to the inside measurements of the case, spacer members **17** and core **19** conforming to the cavity size, insulator, dissipater, and covering being superimposed and bradded together.

In folded position, due to the positioning of the hinges between the ironing board members, the inside hinges **32** permits the rectangular members **30** and **31** to abut on their bottom sides, the legs being pivoted inside the plane to frame **34**; and, the insert hinges **37**, permits the triangular member **36** and adjacent rectangular member **31** to abut on their top sides.

Having thus described the invention, what is claimed is:

1. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, said rectangular and triangular members, forming a frame, a laminated plastic overlay secured to said frame, hinged members positioned on the bottom sides of said rectangular members and pivotally connecting said rectangular members, hinge members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members.

2. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, hinged members positioned on the bottom sides of said rectangular members, hinged members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members, said pair of rectangular members are provided at the opposed ends with pivotal legs comprising a pair of cross braced legs, and threaded means securing said legs to said rectangular members, and a pivotal leg secured to said triangular member.

3. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, hinged members positioned on the bottom sides of said rectangular members, hinged members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members, in combination with a tray, a cavity in said tray of a size to receive the ironing board in folding position, another cavity in said tray to receive a traveling electric iron, a thermal insulating member for said second cavity, and a heat dissipating member on said terminal insulating member.

4. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, hinged members positioned on the bottom sides of said rectangular members, hinged members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members, in combination with a tray, a cavity in said tray of a size to receive the ironing board in folding position, and another cavity in said tray to receive a traveling electric iron.

5. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, hinged members positioned on the bottom sides of said rectangular members, hinged members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members, in combination with a carrying case comprising a bottom compartment and a lid, hinged members pivotally connecting said bottom and lid, and a tray, a cavity in said tray of a size to receive the ironing board in folding position, another cavity in said tray to receive a traveling electric iron, a thermal insulating member for said second cavity, a heat dissipating member on said thermal insulating member, and retaining straps connected to said lid for retaining a unitary pad and cover therein.

6. A folding ironing board comprising a pair of substantially rectangular members, a substantially triangular terminal member, hinged members positioned on the bottom sides of said rectangular members, hinged members pivotally connecting the said substantially triangular member with the adjacent rectangular member and positioned to pivot in a direction opposite from said first mentioned hinged members, in combination with a carrying case comprising a bottom compartment and a lid, hinged members pivotally connecting said bottom and lid, a tray, a cavity in said tray of a size to receive the ironing board in folding position, another cavity in said tray to receive a traveling electric iron.

References Cited

UNITED STATES PATENTS

2,622,353	12/1952	Mendelson	38—140 X
2,729,005	1/1956	Foster	38—139
2,950,552	8/1960	Stephany	38—139
3,148,467	9/1964	Kerr	38—140
3,326,337	6/1967	Bell	190—11
2,326,461	8/1943	Howe.	

DONALD F. NORTON, Primary Examiner

U.S. Cl. X.R.

38—104, 139; 108—33, 115; 190—51; 206—1