May 13, 1969 L. P. BRUENING 3,443,780

MAGNETIC SAFETY IRON REST

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Fig. 1

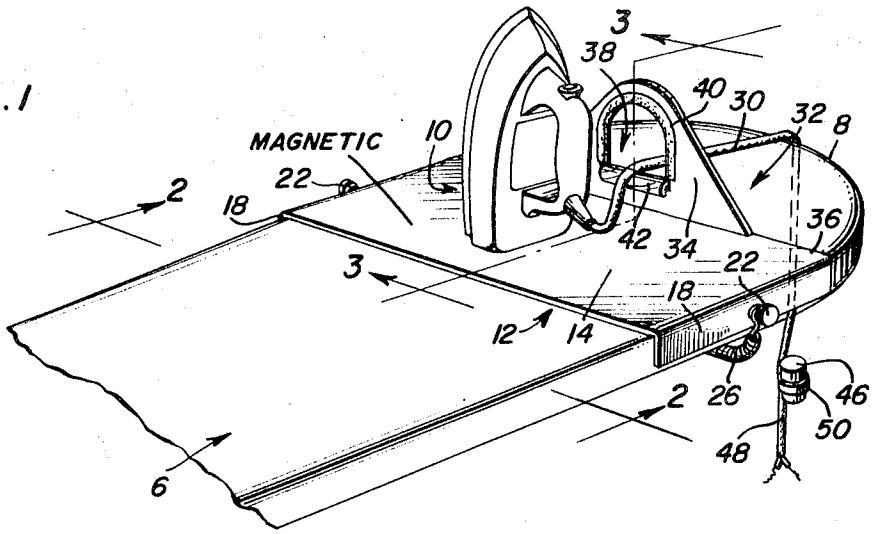


Fig. 2

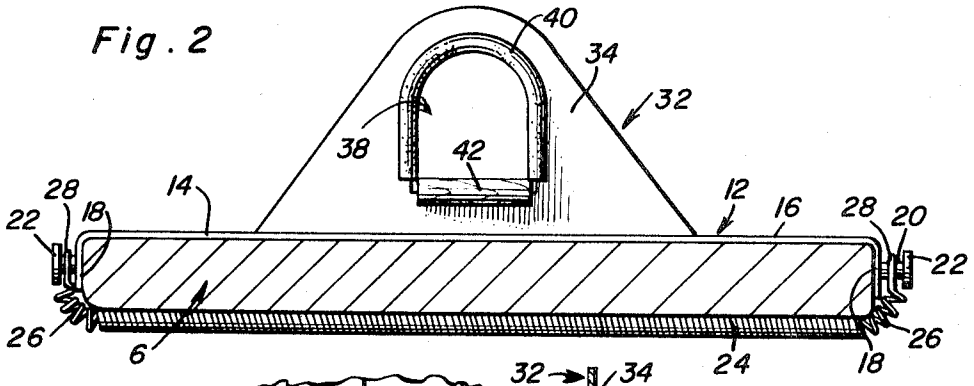
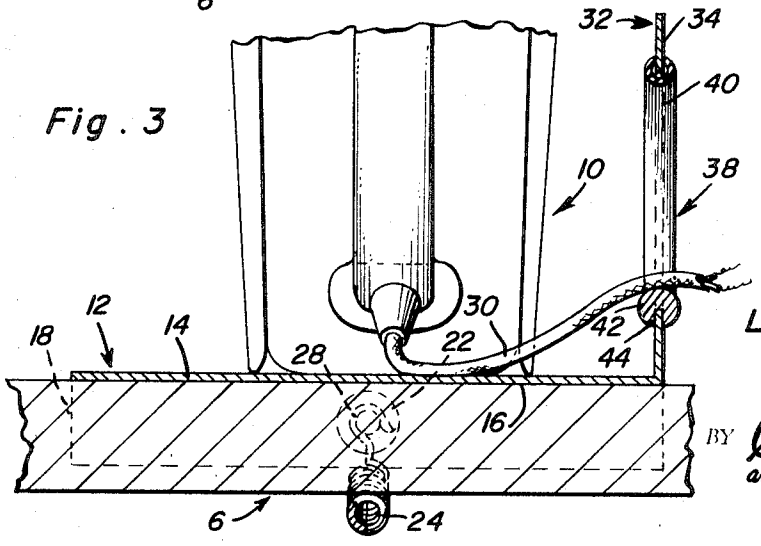


Fig. 3



Lee P. Bruening

INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

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MAGNETIC SAFETY IRON REST

Lee P. Bruening, 919 E. Orange Grove Ave., Glendale, Calif. 91205

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ABSTRACT OF THE DISCLOSURE

The appliance shown is preferably in the form of a readily applicable and removable ironing board attachment. It provides a safety-type electric iron rest and comprises a magnetized plate having depending end flanges with headed studs to accommodate a coil spring. The plate is provided with a cord suspending and slack take-up adapter.

This invention relates to ironing board appliances and accessories commonly classified as stands and holders and has to do with an adaptation which is herein referred to as a safety iron rest.

Briefly, the attachment comprises an elongated flat plate which is expressly designed and adapted to reside flatwise atop an end portion of a conventional ironing board. This plate is provided at its respective ends with depending positioning and retaining flanges. Each flange is provided with an outstanding headed holddown stud and the respective studs serve to accommodate attaching hooks on the coacting ends of a coil spring which extends transversely across the underneath side of the ironing board and is under sufficient tension to effectually retain the plate in its given position. The plate is unique in that it is magnetized and serves to accommodatingly and retentively seat the heel of a conventional electric iron. Accordingly the iron, when not in use, can be set atop the plate and held safely and against accidental displacement. The plate features guide means along one marginal edge, said means being constructed to slightly elevate and guidingly retain the attached cord in a manner to cope with and take up slack.

In carrying out the preferred embodiment of the invention the guide comprises an integral upstanding flange. This flange is provided with an opening for passage of the current conducting cord. A major marginal portion of the opening is provided with an inverted U-shaped rubber or equivalent wear resisting collar. The lower marginal edge portion is provided with an insulated dowel which constitutes a ledge-like anti-friction shoe across which the cord is guidingly supported.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIG. 1 is a view in perspective showing a major end portion of an ordinary or conventional ironing board and illustrating, what is more significant, the readily applicable and removable safeguarding magnetic iron rest and how it is constructed and used.

FIG. 2 is an enlarged cross-section taken on the plane of the section line 2—2 of FIG. 1.

And FIG. 3 is an enlarged view with parts in section and elevation taken on the plane of the section line 3—3 of FIG. 1.

The ironing board is of an ordinary or conventional type and is denoted, generally speaking, by the numeral 6. It is to the rounded butt end portion 8 that the iron seating and holding rest is attachable. The iron itself is conventional and denoted by the numeral 10 and when not being used it is placed in the upstanding position shown in FIG. 1.

As suggested the invention is preferably a prefabricated readily applicable and removable attachment. Broadly the attachment is characterized by a substantially rectangular flat-faced plate 12. The flat top surface of the plate is denoted at 14 and the flat bottom surface at 16, said plate being proportional with the part of the ironing board with which it is cooperable. Accordingly, when it is in place it extends transversely atop the ironing board and has lateral depending positioning and stabilizing flanges 18 at its opposite ends which are fitted over the cooperating marginal edge portions of the ironing board in the manner shown. Each flange is provided on its exterior side and intermediate its ends with a headed stud, the stud being denoted at 20 and the head at 22. With this arrangement a simple holddown coil spring 24 serves as the securing means. This spring is of requisite length and tension and each end portion 26 is provided with a hook 28 which is engaged over the headed stud in a manner to satisfactorily locate and retain the plate in its given usable position. The adapter for the current conducting cord 30 is denoted, broadly speaking, by the numeral 32. More specifically the adapter comprises a triangulate upstanding flange 34 which is integral with a median part of the longitudinal edge 36 of the plate. The median part of this flange is provided with an arched opening which is denoted generally by the numeral 38. This opening constitutes a guide for the slightly elevated and guidingly positioned part of the cord 30. The upper median edge and vertical edge portions are rendered wear-resisting by way of an inverted U-shaped rubber suitably grooved and mounted collar or guard 40. The lower horizontal edge portion is provided with an auxiliary cord rest which is here referred to as an anti-friction ledge-like shoe 42. More specifically this shoe comprises a wooden dowel or the like which as shown in FIG. 3 is provided with a bottom groove 44 and end grooves (not detailed) which position and maintain the dowel in place. This dowel is slightly elevated above the supporting surface 14 of the plate 12 and provides the desired slightly elevated cord retained position. To make the arrangement substantially free of slack, that is to take up slack, a suitable weight 46 is provided as shown in FIG. 1. This weight is detachably and adjustably mounted on the depending portion 48 of the cord by way of a broad suitably tensioned elastic band 50.

Novelty is predicated on the board 6 in combination with the attachment 12 characterized by a magnetic plate which serves to safely hold the iron in the upright out-of-use position shown. Novelty in particular is predicated on the attachment by itself and including the coil spring or equivalent attaching and retaining means for the plate.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

What is claimed as new is as follows:

1. In combination, an ironing board, a plate mounted atop an end portion of said ironing board and providing a safety-type rest for an electric iron, said plate being flat-faced, generally rectangular in plan, provided at its respective transverse ends with lateral down-bent positioning and retaining flanges and having a self-contained cord elevating guide, an iron occupying an upstanding out-of-use position atop said plate, said iron having an attached current conducting cord and a median portion of said cord

passing slidingly through said guide and hanging down and over an adjacent end of said board, a weight of predetermined heaviness, and means detachably and adjustably mounting said weight on said cord in a manner to exert a lengthwise pull upon and to tauten and minimize slack in said cord.

2. The combination defined in and according to claim 1, and wherein said plate is made of magnetic material whose magnetic forces are capable of magnetically attracting the iron when the magnetizable heel end of the iron is seated atop said plate.

3. The combination defined in and according to claim 1 and wherein said flanges are provided with outstanding headed studs, and a suitably sized and tensioned coil spring underlying and stretched across the underneath side of said board and having terminal hooks releasably engaged with their respectively cooperable studs.

4. In combination, an ironing board, a plate mounted atop an end portion of said ironing board and providing a safety type rest for an electric iron, said plate having a marginal edge portion provided with an upstanding integral flange, said flange having an opening providing a self-contained elevating guide for passage of an adjacent coacting portion of said cord, an iron occupying an upstanding out-of-use position atop said plate, said iron having an attached current conducting cord and the median portion of said cord passing slidingly through and beyond said guide and hanging down and over an adjacent end of said board, a weight of predetermined heaviness, and manually applicable and removable means detachably and adjustably mounting said weight on said cord in a manner to exert a lengthwise pull upon and to tauten said cord and to minimize slack in said cord.

5. The combination defined in and according to claim 3, and wherein said opening has a marginal edge portion bordered by an inverted U-shaped wear-resisting collar and a horizontal bottom edge provided with a dowel providing an anti-friction shoe for the cord which is adapted to glide thereacross.

6. An iron holder attachment for an end portion of a conventional ironing board comprising a plate adapted to extend transversely across the top surface of said ironing board, said plate being provided at end portions with depending positioning and retaining flanges, a coil spring adapted to extend beneath the underneath side of said ironing board and having means connecting the ends thereof with said flanges, said plate having a longitudinal marginal edge portion provided with an upstanding flange, said upstanding flange having an opening therein disposed in a plane elevated above the plane of said plate and providing an elevated guide for passage of a cooperating portion of an iron cord.

7. The attachment defined in and according to claim 6 and wherein the upper portion of said opening is substantially U-shaped, an inverted U-shaped collar attached to cooperating marginal edge portions of said opening and providing a wear-resisting collar, and a dowel having a grooved portion, said grooved portion being attached to a lower edge portion of said opening, said dowel providing a cord lifting guide.

8. The attachment defined in and according to claim 7 and in combination, a weight of prescribed heaviness, and an elastic band encompassing said weight and also encompassing a portion of said cord to serve as a cord slack take-up means.

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CHANCELLOR E. HARRIS, *Primary Examiner.*