Aug. 25, 1931. J. C. DE PENNING 1,820,270

IRON HOLDER

Filed Feb. 21, 1929

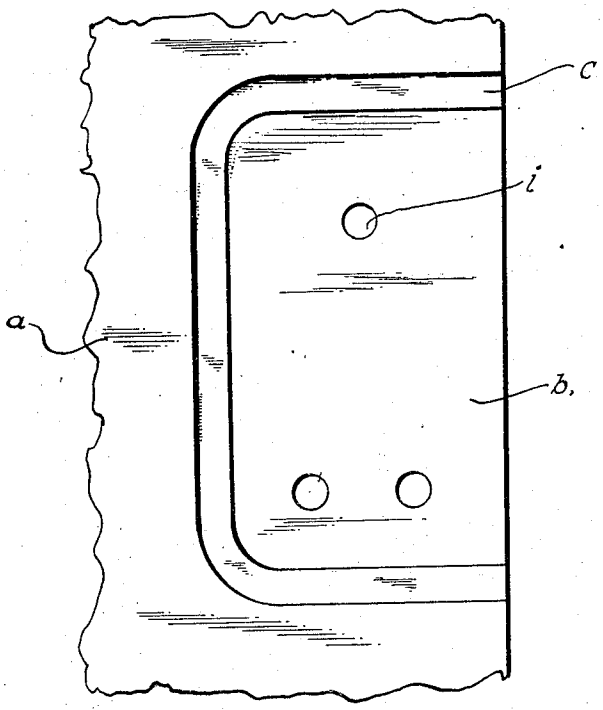

Fig 1

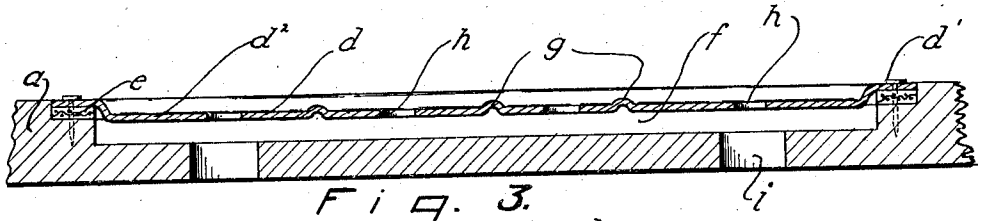

Fig. 3.

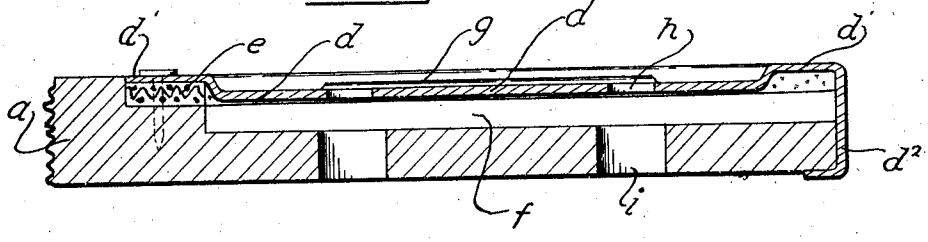

Fig. 2.

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My invention relates to iron holders for ironing boards and has for its particular objects the provision of a simple iron holder which is inexpensive to manufacture and install on the board, one which does not interfere with the ironing operation unduly, and one which when installed does not weaken the board.

It is desirable that iron holders of this character be located within the perimeter of the board and flush with the ironing surface thereof. These requirements necessitate the board being cut away to permit the holder to be seated in such cut away portion. Removing such portions of the board not only adds some expense to the manufacture of the board, but also weakens the latter, depending upon the portion thus removed. It is also desirable to locate such iron holder at one end of the board and preferably at the extreme end, so as to minimize the loss of effective ironing space which is taken up by the iron holder.

I have discovered that the objects of my invention set out heretofore can be attained by routing out only a portion of the thickness of the board, seating a shallow perforated iron holder therein and boring holes thru the remainder of such board in substantial alinement with the perforations in the holder. In this way a substantial portion of the board is left intact to give strength to the board, but yet a sufficient portion thereof cut away to provide a recess for permitting the holder to be flush with the ironing surface and below such holder a substantial space for attaining sufficient circulation to carry off the radiated heat from the iron when the latter is in such holder.

Further features of my invention are hereinafter brought out in connection with the detailed explanation thereof, and with reference to the accompanying drawings, in which:

Fig. 1 is a view of an ironing board with portions cut away for receiving the iron holder;

Fig. 2 is a longitudinal section thru the board with the iron holder in place; and

Fig. 3 is a section thru such board taken transversely thereof and thru the iron holder.

An ironing board *a*, with which my improved iron holder is combined, has a portion at one end cut away to receive such holder, as shown in Fig. 1. Such recess *b* conforms closely to the shape of the holder and extends only partly thru the board, as shown in the remaining figures. A continuous shouldered portion *c* extends about such recess and it is upon such shoulders *c* that the iron holder *d* is carried. Strips or layers of insulating material *e*, such as asbestos, are arranged upon such shoulder to space the metal iron holder therefrom and to keep the heat of the iron from charring and thus weakening the adjacent wooden portions of the board.

As shown in Figs. 2 and 3, the upper surface of the receptacle *d* is arranged flush with the upper surface of the board *a* and the edges of such receptacle are spaced from the board only a slight distance sufficient to provide circulation and to prevent the radiated heat form the iron from being transmitted thru the receptacle and charring the adjacent portions of the board.

Such receptacle *d* is provided with a peripheral flange *d'*, a recessed or depending central portion *d*2, which in plan closely approximates the shape of the iron to be received and a pendent flange portion *d*3 which extends down the end of the board *a* and encircles the same, as shown in Fig. 2. The recess *b* is of greater depth than the degree of dependence of the portion *d*2 to provide a space *f* between such depending portion and the floor of the recess so that there is a stratum of air in such recess.

Such depending portion *d*2 is provided with knobs or protuberances *g* for engaging the bottom of the iron to be received therein and also perforations *h*. Holes *i* are bored into and thru the board from the under surface thereof so as to enter into the space *f*, and are arranged in substantial registration with the perforations *h* in the holder. Such perforations *h*, the space *f* and the holes *i* thus provide passageway for circulating air to carry off and dissipate the radiated air of the iron while resting in the receptacle *d* and

the knob-like protuberances *g* space the iron from the bottom of the depending portion *d*2 so that such perforations *h* are thereby prevented from being covered and sealed by the iron in place.

In manufacture, the board preferably is provided with holes *i* as the first operation, the holes being bored from the under surface *a'* thereof so that any portions which are torn or broken out in such boring operation will be arranged in the material which will later be removed in forming the recess *b*. Such latter recess is formed by routing out the necessary material to form the shoulders *e* as well as the central portion *b* of such recess. The recess is preferably arranged at one end of the board not only to maintain the maximum ironing area of such board, but also to permit the holder *d* to be arranged with a flange *d*3, as previously described, which encircles such end of the board to protect the latter, the board being made of wood and the receptacle of metal.

I claim:

1. The combination with an ironing board having a recess formed at one end and opening thereon therein of a depth less than the thickness of the board, of a perforated receptacle provided with an uneven active surface forming an iron holder depending into such recess with its upper surface substantially flush with that of the ironing board, the recess being of greater depth than the depending portion of such receptacle thus to provide a space between the floor of the recess and the floor of the receptacle, a perforation of relatively small cross-section with respect to the area of the receptacle extending from the floor of such recess to the lower surface of the ironing board, such perforation being arranged in registration with one of those in the receptacle to provide an air opening to cool the upper surface of such receptacle.

2. The combination with an ironing board having a recess formed at one end and opening thereon therein of a depth less than the thickness of the board, of a perforated receptacle provided with an uneven active surface forming an iron holder depending into such recess with its upper surface substantially flush with that of the ironing board, the recess being of greater depth than the depending portion of such receptacle thus to provide a space between the floor of the recess and the floor of the receptacle, a series of perforations of relatively small cross-section with respect to the area of the receptacle extending from the floor of such recess to the lower surface of the ironing board, such perforations being arranged in registration with those in the receptacle to provide air openings to cool the upper surface of such receptacle.

3. The combination with an ironing board having a recess formed at one end and opening thereon and being of a depth less than the thickness of the board, a continuous shouldered portion extending around the periphery of such recess, of a perforated receptacle provided with an uneven active surface forming an iron holder depending into such recess, and having a peripheral flange disposed within the shouldered portion with its upper surface substantially flush with that of the ironing board, the recess being of greater depth than the depending portion of such receptacle thus to provide a space between the floor of the recess and the floor of the receptacle, a series of perforations of relatively small cross-section with respect to the area of the receptacle extending from the floor of such recess to the lower surface of the ironing board, such perforations being arranged in registration with those in the receptacle to provide air openings to cool the upper surface of such receptacle.

In testimony whereof he affixes his signature.

JOHN CHESTER DE PENNING.