No. 741,144. PATENTED OCT. 13, 1903.

J. H. KNOWLES.

IRONING BOARD.

APPLICATION FILED FEB. 6, 1903.

NO MODEL.

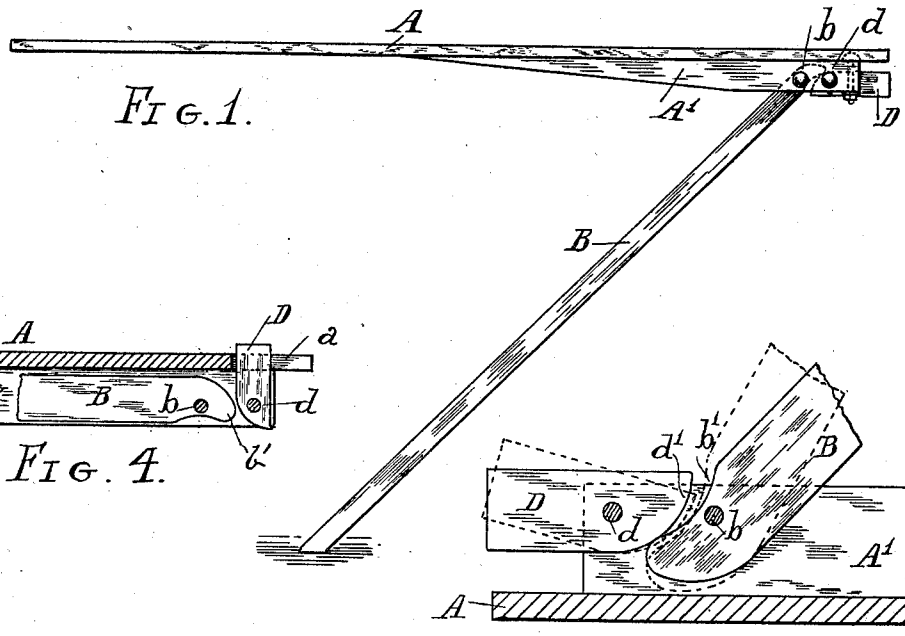

FIG. 1.

FIG. 4.

FIG. 3.

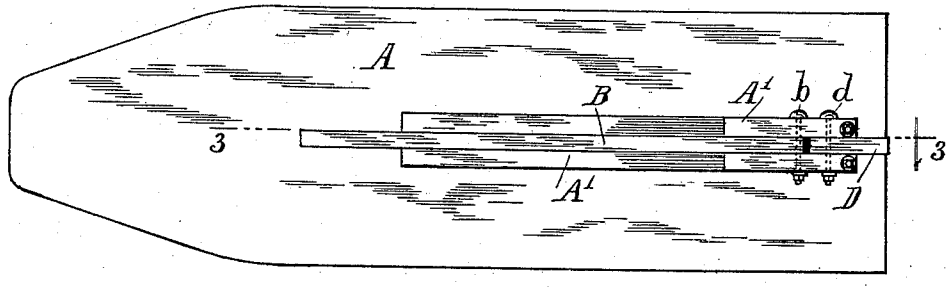

FIG. 2.

Witnesses.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 741,144. Patented October 13, 1903.

UNITED STATES PATENT OFFICE.

JAMES H. KNOWLES, OF SPRINGFIELD, ILLINOIS.

IRONING-BOARD.

SPECIFICATION forming part of Letters Patent No. 741,144, dated October 13, 1903.

Application filed February 6, 1903. Serial No. 142,167. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. KNOWLES, a citizen of the United States, residing at Springfield, in the county of Sangamon and State of Illinois, have invented certain new and useful Improvements in Ironing-Boards, of which the following is such a full, clear, and exact description as will enable others skilled in the art to which it appertains to make and use my said invention.

My invention relates to ironing-boards such as may be detachably connected with a table or other suitable support.

The purposes of my invention are to provide an ironing-board and appurtenances so constructed and arranged that when the ironing-board is in position on the table or other support the upper surface of the ironing-board will occupy a position above the surface of the table and the securing devices will lie wholly under the board and will not obstruct the upper surface of the board or interfere with the free manipulation of the iron or the articles being ironed on the board, and to provide an ironing-board so constructed and arranged that when the board is not in use the leg may fold up against the under side of the board in convenient position for transportation or storage of the ironing-board.

With these ends in view my invention consists in the novel features of construction and combinations of parts shown in the annexed drawings.

Figure 1 is a side elevation of the complete apparatus. Fig. 2 is a bottom plan of the apparatus. Fig. 3 is an enlarged partial vertical section on the line 3 3 of Fig. 2, and Fig. 4 is an enlarged partial longitudinal section showing the relative positions of the parts when the leg is folded up against the under side of the ironing-board.

Similar reference-letters designate like parts in all of the views.

The top A is a board of suitable form for use in ironing shirts or other articles and has at one end a longitudinal slot *a*, adapted to permit upward turning of the jaw D, as hereinafter explained. Parallel plates A′ are secured on the under side of the board A.

A leg B turns between the plates A′ on a bolt *b*, passing through the plates.

A jaw D turns between the plates A′ on a bolt *d*, passing through the plates. When the leg B is folded up against the under side of the board A, the jaw D turns upward through the slot *a* and permits the upper end of the leg to turn downward and pass the inner end of the jaw, so that the leg will lie against the under side of the table.

The leg B has at its upper end a concavo-convex cam *b′*, which engages with a convex cam *d′* on the jaw D.

In practical use the end of the board A is placed on a table in such position that the projecting edge of the table will lie between the jaw D and the end of the board A and the lower end of the leg B will rest on the floor or other suitable support. The weight of the board will cause the free end of the board to move downward sufficiently to cause the cam *b′* of the leg B to engage with the cam *d′* of the jaw D and move the free end of the jaw upward against the edge of the table, so as to grip the edge of the table between the jaw D and the adjacent end of the board A. When in use, the weight of the iron and the pressure thereon will increase the firmness of the grip and the security of the connection of the ironing-board with the table.

To detach the ironing-board from the table, it is only necessary to lift the free end of the board A, thereby releasing the jaw, so that the ironing-board may be easily removed. When the ironing-board is not in use, the leg B may be turned upward to lie against the under side of the board, as shown in Fig. 4.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an ironing-board, the combination of a top board having a slot, plates secured on the under side of said top board, a leg pivoted on said plates and having a cam, and a jaw pivoted on said plates and having a cam engaged by the cam on the leg, said jaw being adapted to turn upward through the slot in said top board, as set forth.

2. In an ironing-board, the combination of

a top board, a leg pivoted on the under side of the top board and having a forwardly-projecting cam and a jaw pivoted on the under side of said top board and having a rearwardly-projecting cam engaged by the cam on the leg, as set forth.

In witness whereof I have hereunto subscribed my name, at Springfield, Illinois, the 3d day of February, 1903.

JAMES H. KNOWLES.

Witnesses:
MAY F. RYAN,
MARGARET MCDONALD.