

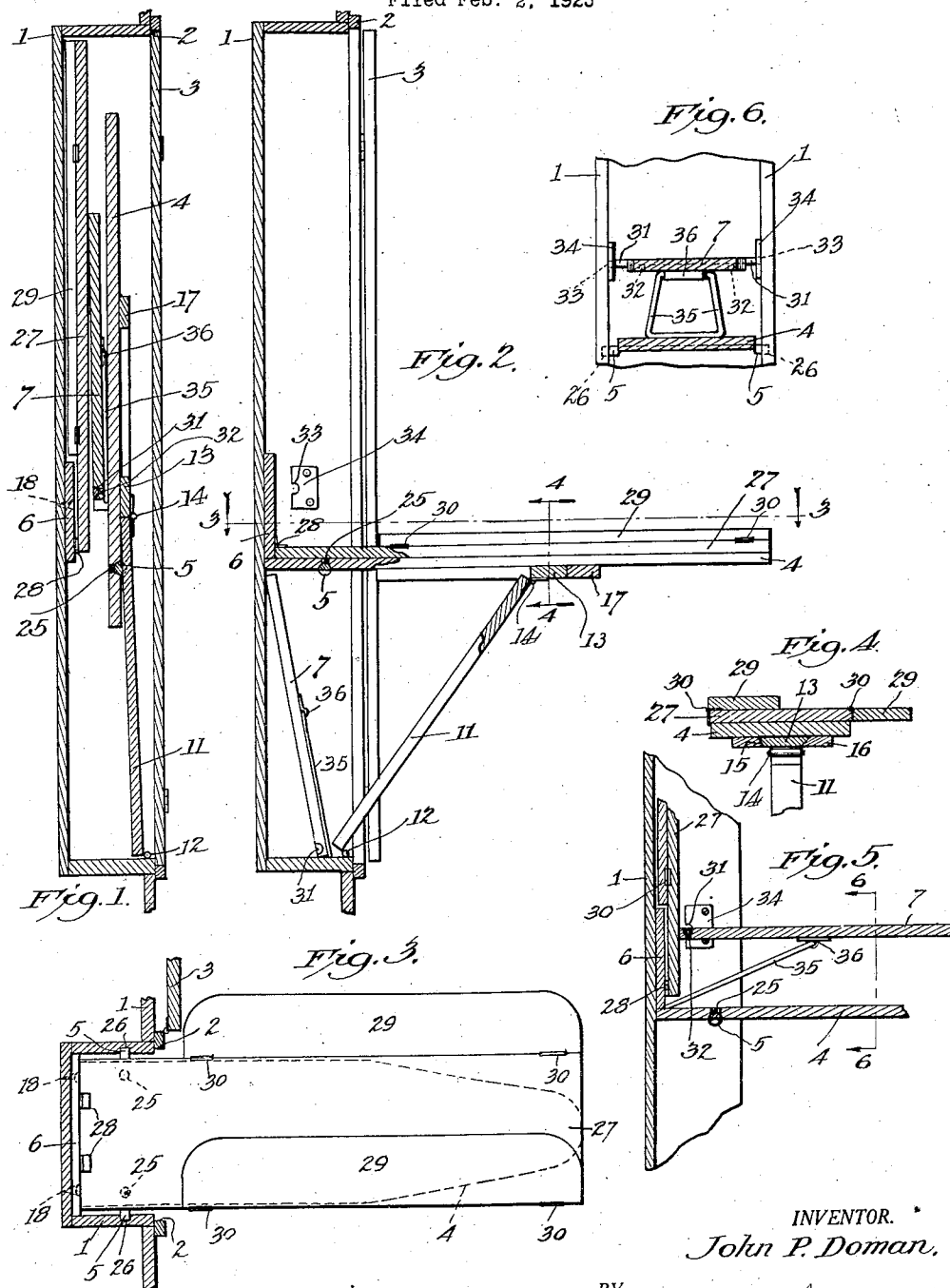
Jan. 4, 1927.

1,612,909

J. P. DOMAN

IRONING BOARD

Filed Feb. 2, 1925



Patented Jan. 4, 1927.

1,612,909

UNITED STATES PATENT OFFICE.

JOHN P. DOMAN, OF LOS ANGELES, CALIFORNIA.

IRONING BOARD.

Application filed February 2, 1925. Serial No. 6,281.

This invention is a folding structure adapted to form an ironing board, a sleeve board, and a table; and it is the object of the invention to provide for readily folding the parts when not in use, and rigidly supporting the same in extended, operative position.

It is a further object of the invention to provide a structure adapted for rigid bracing of the ironing board, sleeve board and table when extended for use; and arranged for folding of said parts into a casing and against one another so as to occupy minimum space when not in use.

The invention will be readily understood from the following description of the accompanying drawings in which:

Fig. 1 is a vertical section through the device showing the parts in folded position.

Fig. 2 is a similar view showing the ironing board and table extended for use.

Figs. 3 and 4 are sections on the lines 3—3 and 4—4 of Fig. 2 respectively.

Fig. 5 is a fragmentary view similar to Fig. 2 and showing the ironing board and sleeve board extended for use.

Fig. 6 is a transverse section on the line 6—6 of Fig. 5.

The folding structure is illustrated as mounted in a casing 1, which seats in a recess 2 in the wall of a room, and is preferably provided with a hinged door 3.

The ironing board which is shown at 4, is pivoted adjacent its inner end to the sides of the casing by a pintle 5. The pintle is preferably fixed to the board by screws 25, with the ends of the pintle extending laterally beyond the sides of the board and journaled in recesses 26 in the sides of casing 1. The board is thus adapted to be swung upwardly and rearwardly into casing 1, or may be swung outwardly and downwardly to horizontal, operative position. The board is held in horizontal position by a brace engaging the board forwardly of its pivotal mounting, and by upward abutment of the inner end of the board against the lower end of a support 6 which is fixed to the back of casing 1, preferably by screws 18.

The brace for the ironing board is shown as a leg 11, hinged at its lower end to the bottom of casing 1 as illustrated at 12, and pivoted at its upper end to a slide 13 by means of a hinge 14. The slide 13 is mounted on the underside of board 4 for movement longitudinally thereof, by means of co-

operating tongue and groove connections 15 between the sides of said slide and guides 16 on the ironing board, so that the slide is held against displacement from the ironing board while freely sliding relative thereto. When the ironing board is in horizontal position the slide 13 abuts against a transverse member 17 connecting the front ends of guides 16, in order to rigidly support the board.

The board may be readily swung from operative position to folded position in casing 1, by lifting the front end of the board so as to pivot the same at the pintle 5, the slide 13 shifting rearwardly between its guides. These guides are of such length that the slide is still engaged thereby when the board is folded as shown in Fig. 1, in order to prevent disengagement of leg 11 from the ironing board.

A board 27 is hinged to support 6 as shown at 28, so as to fold back into casing 1, or downwardly and outwardly to horizontal position resting upon the ironing board when the latter is in operative position as shown in Fig. 2. The board 27 is used as a table when in horizontal position, and in order to increase the width of the table, leaves 29 are hinged at 30 to the sides of board 27. These leaves fold over on the top of board 27, or outwardly and downwardly until the edges of the leaves abut against the edges of the board as shown in Fig. 4, so as to support the leaves in the plane of the board and thus form a table top.

When board 27 is swung rearwardly into casing 1, the leaves 29 are first folded over on the board, and a space adapted for reception of the folded leaves is provided above support 6 between the back of the casing and the board 27, so that the latter may be vertically positioned; and the lower or inner ends of the leaves terminate short of the end of the board so as to avoid support 6 when the table is folded in the casing as shown in Fig. 1. This arrangement of the leaves also spaces the same from casing 1 as shown in Fig. 3, when the board 27 is in horizontal position and the leaves are unfolded.

A sleeve board 7 is pivoted at its inner end in casing 1 in spaced relation above the ironing board and table when the latter are in operative position. The sleeve board is fixed on a pintle 31 by screws 32, the ends of the pintle which are round in cross-section projecting beyond the sides of the sleeve board and being journaled in half bearings

33 formed in the inner sides of brackets 34 which are mounted on the sides of the casing.

The medial portion of pintle 31 seats in the upper surface of board 7 which is toward board 27 when the sleeve board is folded as shown in Fig. 1, and the medial portion of the pintle is half-round in cross-section with the flat side of the pintle in the plane of said upper surface of board 7, the parts being so arranged that with board 27 in folded position and the sleeve board in vertical position against the same, the ends of pintle 31 will slide vertically in the space between the board 27 and the brackets 34 to permit convenient insertion or withdrawal of the pintle from bearings 33. When the pintle is slid downwardly in back of brackets 34 until it aligns with bearings 33, the sleeve board may be swung outwardly and downwardly to horizontal position by the turning of the pintle in the bearings, and said swinging of the sleeve board causes its inner end to engage the abutment formed by board 27 to lock the pintle in its bearings.

The sleeve board is held in horizontal position by a brace shown as a wire loop 35, which is journaled in a bracket 36 at the underside of the sleeve board, the parts being arranged so that when board 7 is swung to horizontal position, the brace will swing downwardly and abut against board 4 which has been previously lowered to operative position, and thereby move the free end of the brace rearwardly along board 4 until it abuts against the support 6, at which point the sleeve board will be in operative position. When the sleeve board is folded its brace swings downwardly alongside the same as shown in Fig. 1.

The pivotal mounting for ironing board 4 is so spaced from the rear wall of casing 1, that when boards 7 and 27 are in folded

position in the casing, the ironing board may be also swung rearwardly all the way to vertical position in the casing as shown in Fig. 1.

When the table board 27 is in use, the sleeve board 7 is first removed by withdrawing pintle 31 from bearings 33 as previously described, and the sleeve board may be then stored in the casing 1 below the ironing board 4 as shown in Fig. 2; and when the table is not in use it remains folded in casing 1, so that the sleeve board journaled in bearings 33 may be swung to operative position as shown in Fig. 5. The ironing board 4 is swung to operative position when either the table or the sleeve board is used, in order to form a support for the table or for the brace 35 of the sleeve board.

I claim:

A mounting of the character described comprising a casing, a board having a pintle projecting beyond the sides thereof with the medial portion of the pintle half-round in cross-section and embedded in the surface of the board so that the flat side of the pintle is in the plane of said surface, and an abutment at the rear of the casing, and blocks on the sides of the casing forming a space between the blocks and the abutment adapted for snug sliding of the board downwardly therein when the board is in vertical position, said blocks having half-bearings in their rear surfaces adapted to receive the pintle ends to permit swinging of the board to horizontal position, the inner end of the board being adapted to engage said abutment when the board is in horizontal position to prevent disengagement of the pintle ends from said half-bearings.

In testimony whereof I have affixed my signature to this specification.

JOHN P. DOMAN.