O. F. HORNSCHUCH.

IRONING BOARD.

APPLICATION FILED JULY 13, 1914.

1,136,878. Patented Apr. 20, 1915.

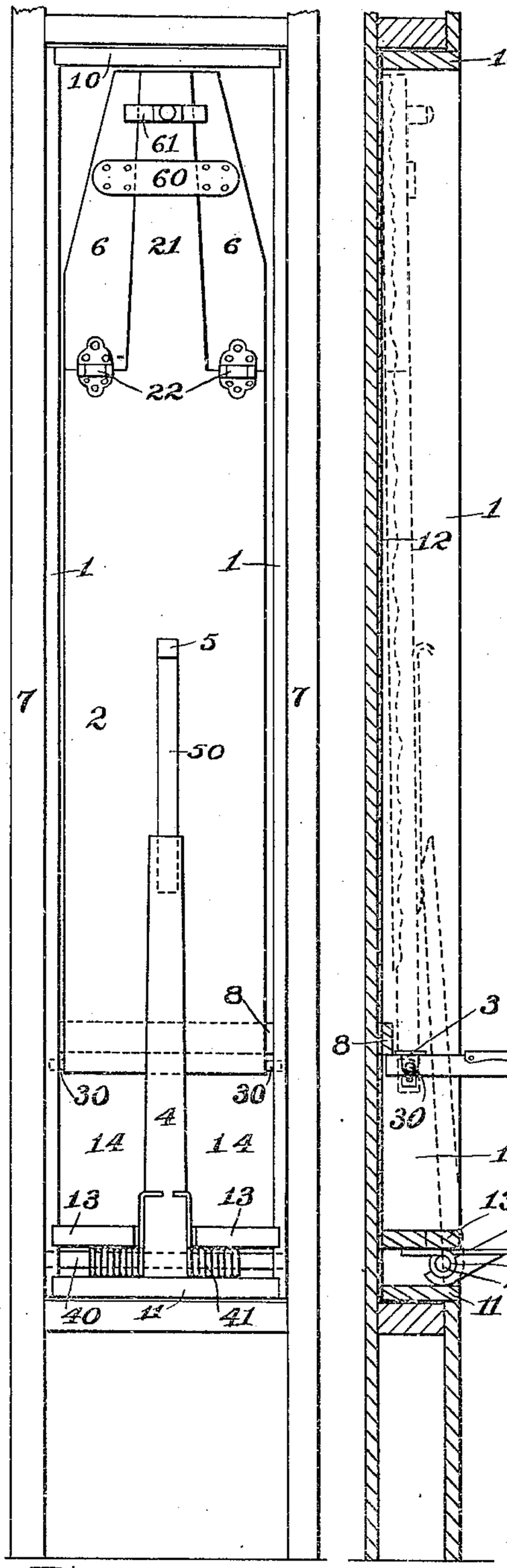


Fig. 1.

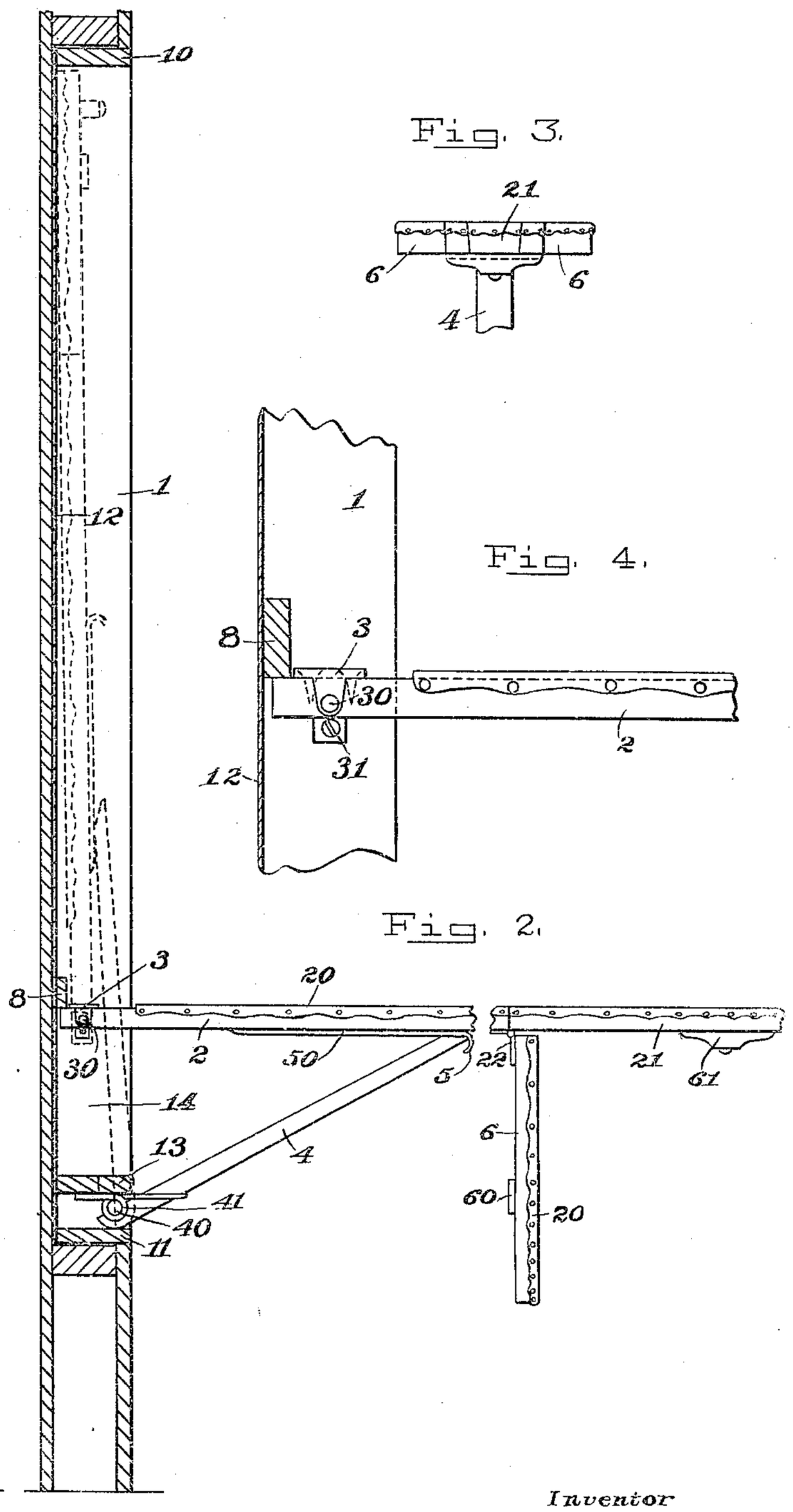


Fig. 2.

Fig. 3.

Fig. 4.

Witnesses

Charles L. Reynolds.

S. C. Whittington.

Inventor

Otto F. Hornschuch

by Henry L. Reynolds.

Attorney.

E. NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

OTTO F. HORNSCHUCH, OF SEATTLE, WASHINGTON.

IRONING-BOARD.

1,136,878. Specification of Letters Patent. Patented Apr. 20, 1915.

Application filed July 13, 1914. Serial No. 850,818.

To all whom it may concern:

Be it known that I, OTTO F. HORNSCHUCH, a citizen of the United States, and resident of Seattle, King county, State of Washington, have invented certain new and useful Improvements in Ironing-Boards, of which the following is a specification.

My invention relates to ironing boards, particularly of that kind which are usually built into the wall, or secured in a fixed position and swung up when not in use.

The object of my invention is to improve upon and simplify the construction of such boards and to make them more convenient to use.

My invention specifically comprises the novel parts and combination of parts which are specifically stated in the claims.

In the accompanying drawings I have shown my invention in the form which is now preferred by me.

Figure 1 is a front view of the ironing board in its closed or raised position. Fig. 2 is a side edge view of the ironing board, the board being shown in lowered position by full lines and in raised position by dotted lines. Fig. 3 is an end view of the outer end of the board. Fig. 4 is a side view on a larger scale.

My board is particularly intended for installation in a recess or cabinet provided in the wall, so that when not in use it may be swung upward into said recess, which will then be closed by a door. In practice, the board would ordinarily be mounted in a frame of its own so as to be a self contained structure which may be set and secured in a recess which has been left between two adjacent studs. This frame, as shown in Fig. 1, consists of the side bars or jambs 1, the top and bottom pieces 10, 11, and, if desired, a back board 12, the latter being preferably a thin veneer or some type of artificial wall board. In this casing or box is pivoted the ironing board 2 at a point somewhat above its lower end. I have shown a casting 3 as secured at each side of the board at its rear end and having a projecting pivot or journal 30 adapted to enter a hole in a complemental plate 31 which is secured to the jambs 1.

A leg or strut 4 is pivoted at 40 and is thrown upward by a coiled spring 41 which has one end bearing against the outer surface of the arm 4 and its other end bearing against the bottom of the shelf 13. The upper end of the strut 4 bears against the under surface of the board 2 and therefore the action of the spring is to throw the board into raised position, or, when it is lowered, to sustain part of its weight and thus let it down softly.

When the board is down the outer end of the strut 4 engages with the stop which consists of a hook 5 formed on the end of a flat iron bar 50, which is fixed to the bottom of the board. This bar 50 serves also as a wear plate. I have shown a cross bar 8 as connecting the sides 1 of the casing at its rear edge and at such a level that it will engage the upper surface of the board along its inner end edge, thereby assisting to resist the upward lift produced at this end by pressure upon its outer end. I have shown the raised position of the board by dotted lines in Fig. 2.

At the outer end of the board I have shown its sides cut away so as to form a central narrowed extension 21 which may be used as a sleeve board. The cut-away parts 6 have been secured by hinges 22 at their inner ends to the body of the board so that they may be dropped down, as shown in Fig. 2, or be raised alongside the central section 21. When so raised it may be secured by a button 61 or other equivalent means. To hold the swinging sections in exact and firm relation, I connect them by a bar 60 which, when they are in raised position, extends beneath the central section 21. This bridge stiffens the swinging sections and also holds their inner side edges closely against the side edges of the sleeve board or central section 21, so that the joint between them is unnoticeable when ironing. Unless connected together in this way, these hinged sections are unstable, subject to rocking action as well as tending to separate from the side of the sleeve board 21, making this a very unsatisfactory ironing section of the board. When so connected the joints are unnoticeable and the surfaces are firm. To more thoroughly secure a firm engagement of the edge surfaces of the sleeve board or central section 21 with the side sections 6, I slightly bevel these edges, the angle being such that the planes of these surfaces incline toward the central plane as they pass downward.

The board has been shown as having padding 20 secured thereon to give the desired yielding surface for ironing.

Beneath the pivot 30 of the board is a

chamber 14, and a shelf or shelves 13 are placed therein just above the pivot of the leg or strut 4, thus forming a small cabinet in which may be stored the irons when not in use.

I have not herein shown the door by which it is intended the front of the cabinet shall be closed when the board is not in use as this is hardly deemed to possess any feature which would properly make it an element of a patentable combination.

What I claim as my invention and desire to patent is:

1. In an ironing board, in combination, a board pivoted at one end, a strut or brace leg pivoted by one end at a lower point than that at which the board is pivoted, a spring acting upon said strut to press its swinging end against the under surface of the board, and a stop on the lower side of the board in position to engage the end of the strut when the board is in horizontal position.

2. An ironing board having an extension of reduced width at its outer end adapted to be used as a sleeve board, complemental sections hinged to the board and adapted to be swung up at each side of said sleeve board extension to complete the normal outline of the board, and a bar fixedly connecting said swinging side sections to prevent their relative separation.

3. An ironing board having at its outer end a fixed central section and side sections hinged by their inner ends to swing into position alongside the central section, the meeting edges of said sections being slightly beveled on planes which incline toward the central plane as it extends downwardly, and a positive connection between the swinging sections extending beneath the fixed section.

In testimony whereof I have hereunto affixed my signature.

OTTO F. HORNSCHUCH.

Witnesses:
CHARLES L. REYNOLDS,
HENRY L. REYNOLDS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."