

W. J. NELSON.  
IRONING BOARD.  
APPLICATION FILED APR. 9, 1908.

Patented Feb. 16, 1909.

2 SHEETS—SHEET 1.

912,319.

Fig. 1.

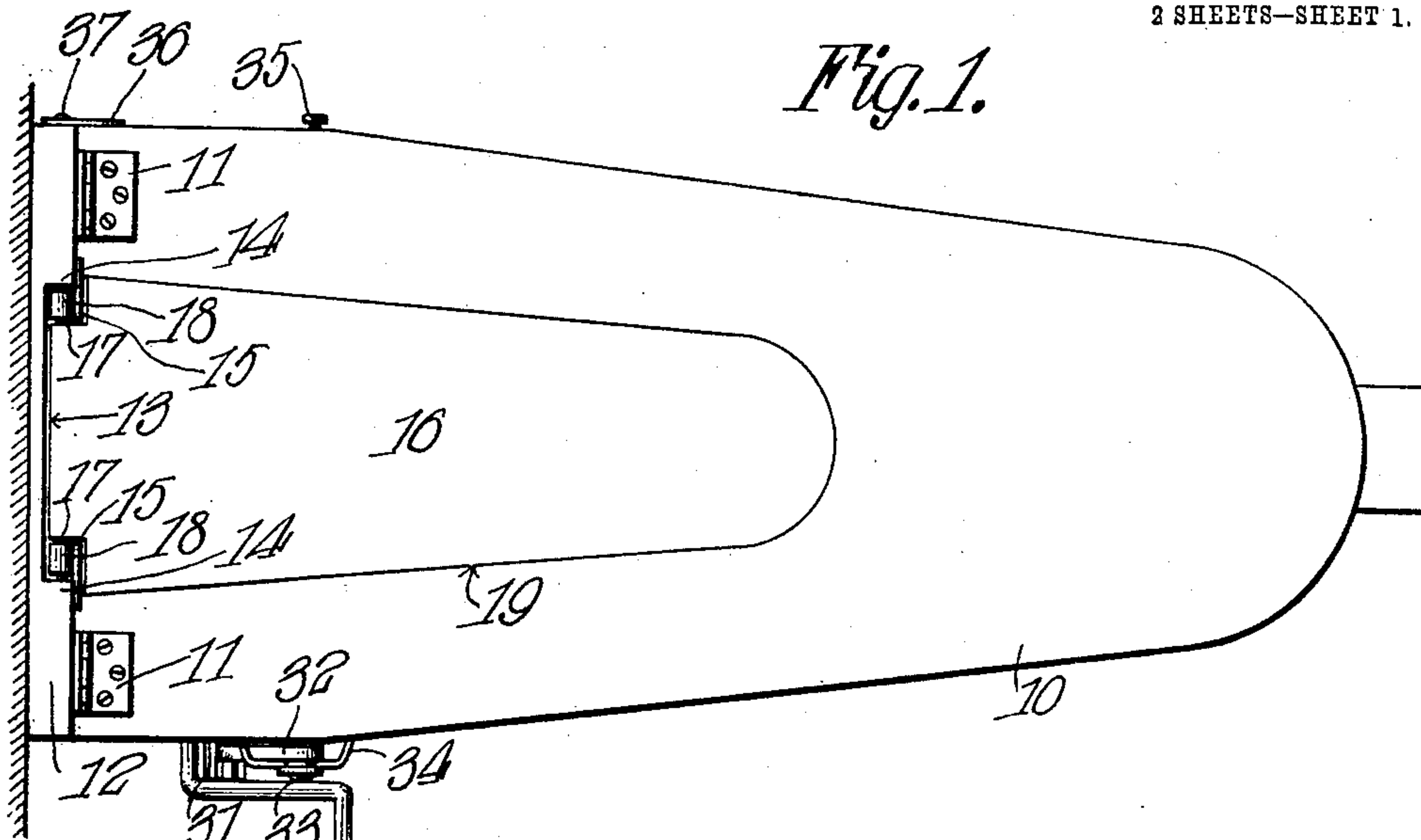
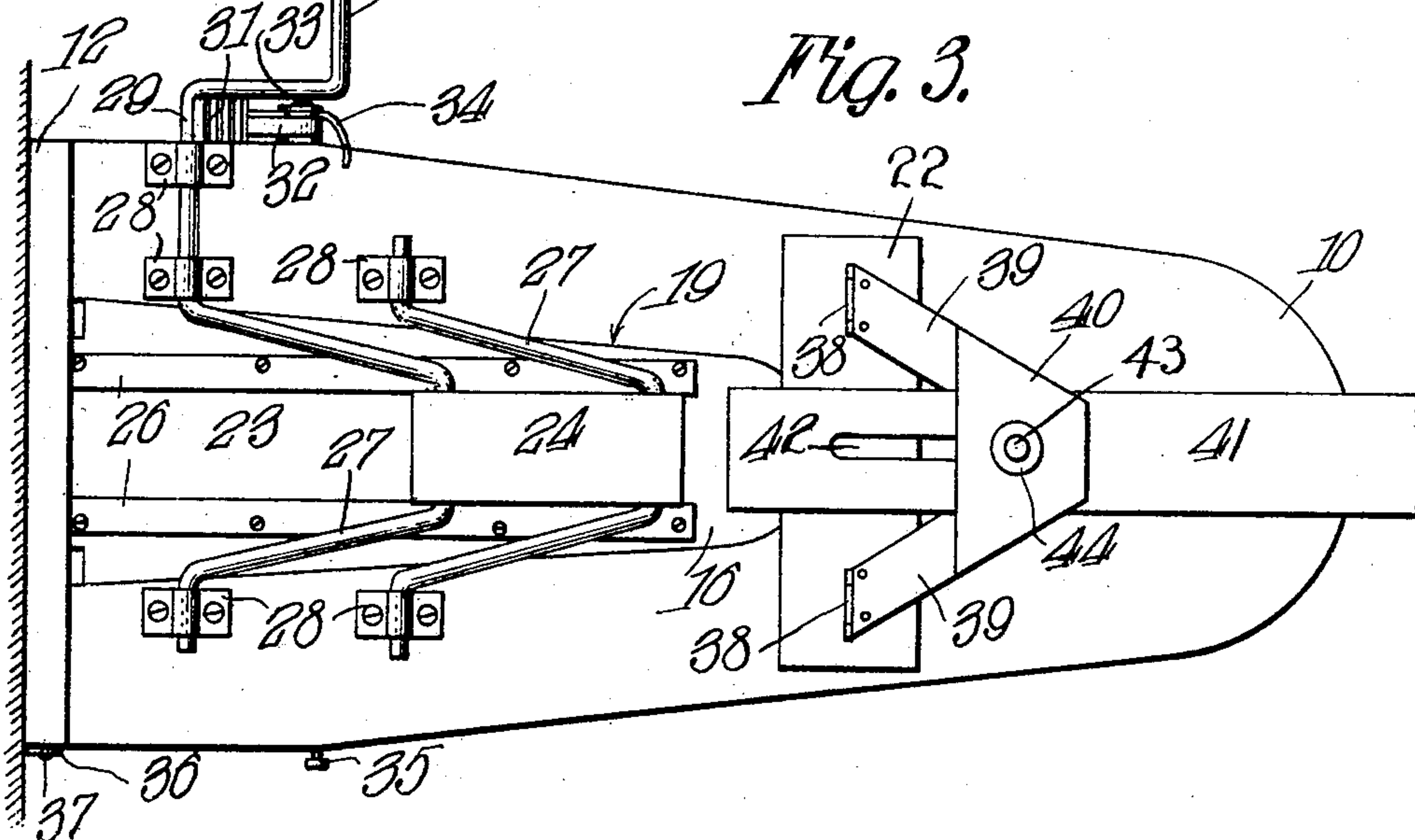


Fig. 3.



Witnesses

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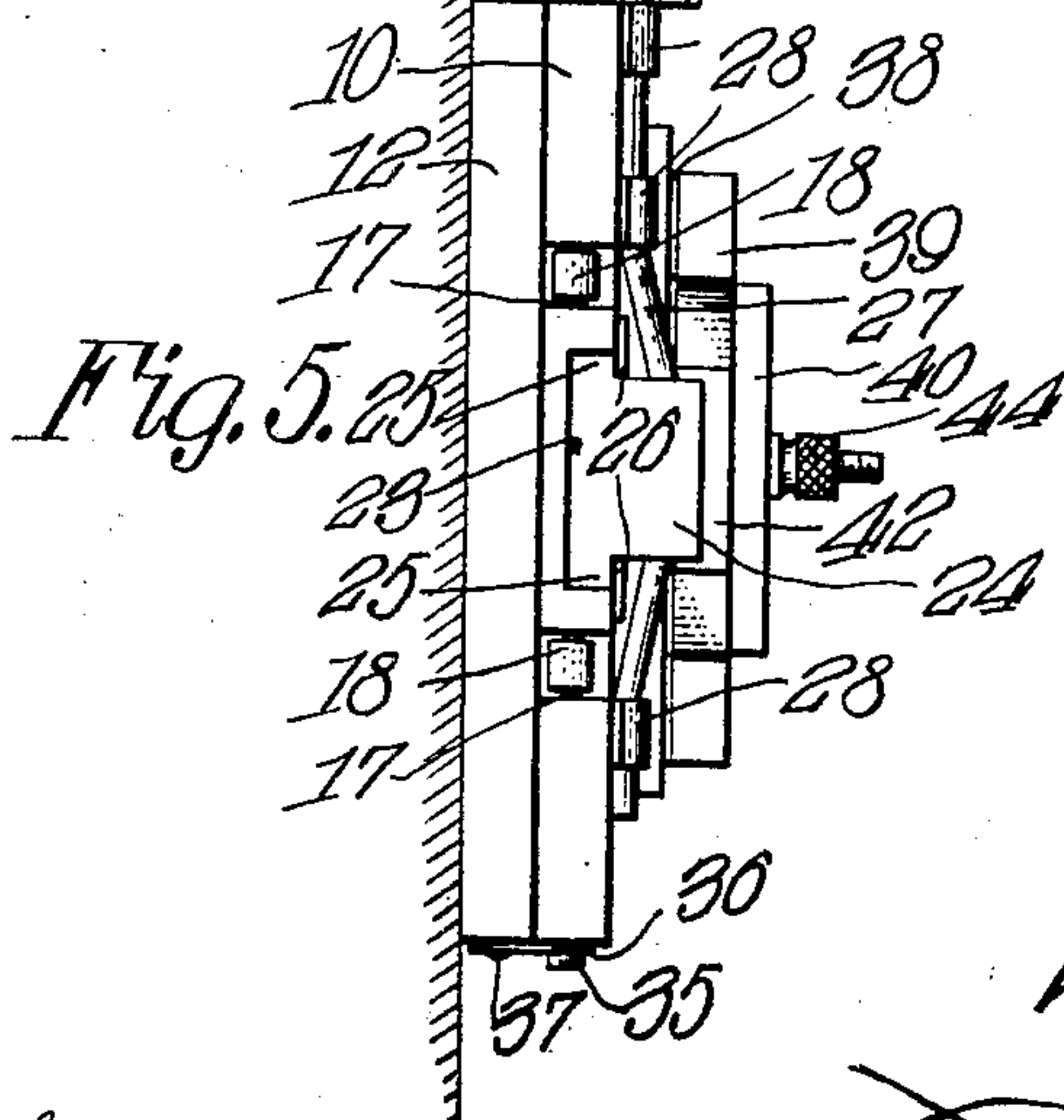
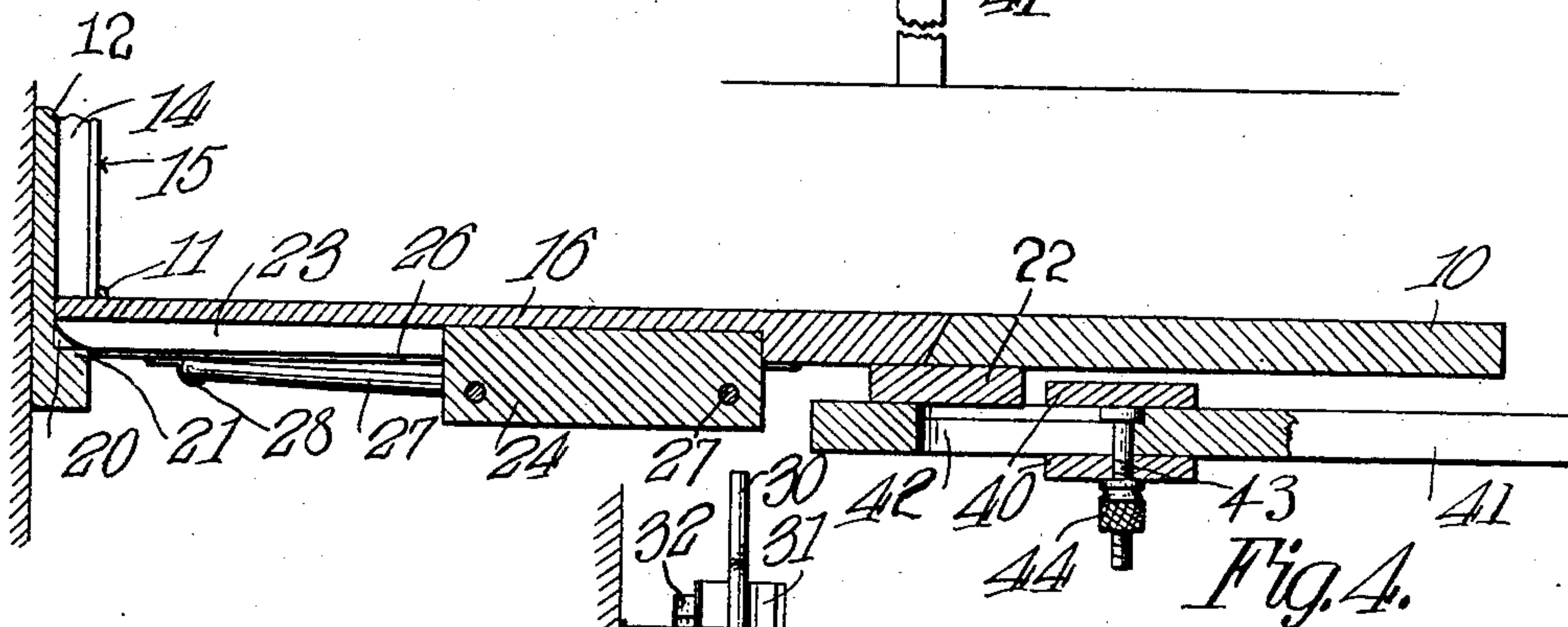
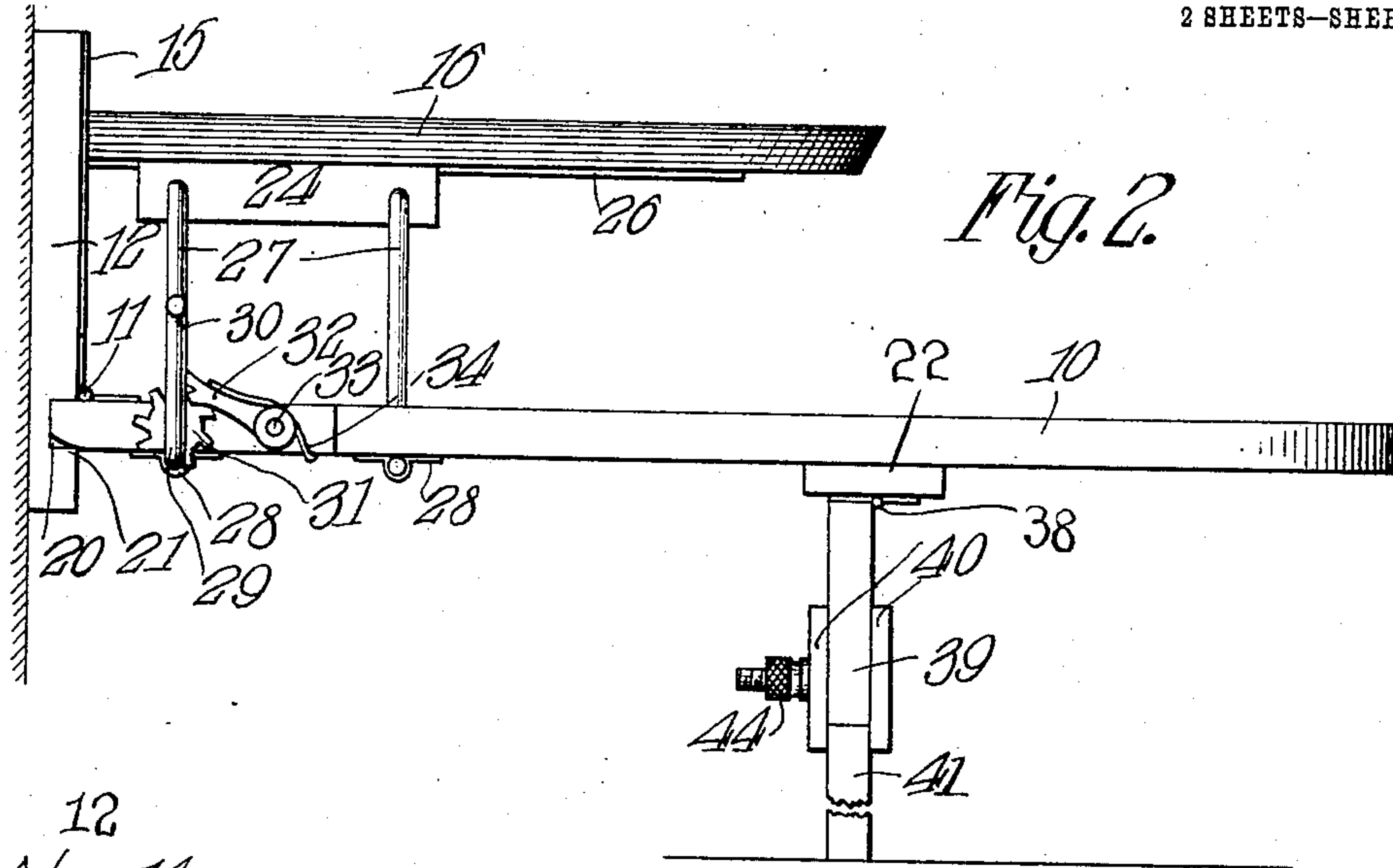
Attorneys

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2 SHEETS—SHEET 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM J. NELSON, OF MENDOTA, ILLINOIS.

## IRONING-BOARD.

No. 912,319.

Specification of Letters Patent.

Patented Feb. 16, 1909.

Application filed April 9, 1908. Serial No. 426,103.

*To all whom it may concern:*

Be it known that I, WILLIAM J. NELSON, a citizen of the United States, residing at Mendota, in the county of Lasalle, State of Illinois, have invented certain new and useful Improvements in Ironing-Boards; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to ironing boards, and more particularly to the class of double ironing boards.

The primary object of the invention is the provision of foldable interfitting ironing boards normally in the same plane with each other, one movable above the other, and means for moving the same.

Another object of the invention is the provision of means for foldably connecting two ironing boards with each other, and means for elevating one ironing board in superposed relation to the other.

A further object of the invention is the provision of a main ironing board having a displaceable section forming a supplemental ironing board adapted to be elevated in superposed relation to the main board, and means for elevating the said section into operative working position.

A still further object of the invention is the provision of an ironing board movable into and out of operative working position and having an adjustable leg support foldably connected thereto, a shiftable section normally in the plane of the working face of said board and movable to superposed relation thereto, means for shifting said section, and means for locking the latter in its elevated position.

In the drawings accompanying and forming part of this specification is illustrated in detail one advantageous form of embodiment of the invention which, to enable those skilled in the art to practice said invention, will be set forth at length in the following description, while the novelty of the invention will be included in the claims succeeding said description.

In the drawings: Figure 1, is a top plan view of the invention with the displaceable section lowered and interfitting the main ironing board. Fig. 2, is a side view of the invention with the displaceable section in

superposed relation with respect to the main ironing board and the leg in position for supporting said board. Fig. 3, is a bottom plan view of the invention with the displaceable section interfitting the main ironing board. Fig. 4, is a longitudinal sectional view of Fig. 1. Fig. 5, is a bottom plan view of the ironing board when in a folded position.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

In the drawings the numeral 10, designates the main ironing board preferably of wood and of tapering formation, however, the same may be of any other suitable material and shape, and the rear extremity has secured thereto hinges 11, connected to a wall board or plate 12, which is adapted to be secured to the side wall of a room in any convenient manner, and due to the hinge connections of said main ironing board therewith the same can swing into and out of operative position.

In the outer face of the wall board 12, is a recess 13, centrally thereof forming raised end portions 14, upon which are mounted guide plates 15, the latter positioned at the inner edges of the raised portions 14, and overlying a portion of the recess 13, in which the rear portion or end of a displaceable section 16 slides, the latter of which has laterally projecting studs 17, on opposite sides thereof which carry friction rollers 18, engaging the inner faces of the guide plates 15, when said displaceable section is being moved to superposed relations with respect to the main ironing board.

The displaceable section 16, forms a supplemental ironing board and is cut from and corresponds to the shape of an elongated opening 19, in the main ironing board 10, and when the latter is in use said displaceable section 16, engages or is mounted in the opening 19, so as to have its working face flush with the upper working face of said main ironing board and to normally close the said opening. Extending longitudinally of the wall board 12, near the lower edge thereof is a recess 20, intersecting the central recess 13, which receives the innermost free edge of the main ironing board 10, when brought to substantially horizontal operative position and also to permit the displaceable section 16, to move in the central



recess 13, and the engagement of the frictional rollers 18, with the under face of the guide plates 15, when said displaceable section is brought to superposed relation with respect to said main ironing board.

Integral with the lower edge of the wall board 12, is a forwardly projecting ledge 21, forming a rest or support for the inner end of the displaceable section 16, when lowered into the opening 19, in the main ironing board. Transversely of the main ironing board 10, and secured to the under face thereof is a cross piece 22, underlying a portion of the forward extremity of the opening 19, to afford a support or rest for the forward end of the displaceable section 16, when lowered into said opening.

In the lower or under face of the displaceable section 16, and extending from its rearmost end to a point removed from the opposite front end thereof is a guide slot 23, in which is slidably mounted a block 24, having opposite longitudinal engaging flanges 25, contacting with guide plates 26, secured to the under face of the displaceable section and extending throughout the longitudinal extent of the guide slot 23, and adapted to project a distance beyond opposite side walls thereof whereby the said block 24 is maintained within said guide slot for sliding movement.

Journaled near opposite ends in the slidable block 24, are spacer loops 27, each of inverted U-shaped formation and having its free ends journaled in bearing plates 28, secured to the under face of the main ironing board 10, at opposite sides of the opening 19. The rear spacer loop 28, has an extension 29, bent on itself to form a crank lever 30, projecting from one side of said main ironing board.

Fixed to the extension 29, is a toothed wheel 31, having engagement with a locking pawl 32, pivoted as at 33, to the edge of the main ironing board in close proximity to the said toothed wheel. To normally hold the locking pawl 32 in engagement with the toothed wheel 31, is a spring member 34, carried by the pivot of the locking pawl. On the opposite side edge of the main ironing board 10, is a pin 35, for engagement with a latch member 36, pivoted as at 37, to the wall board 12, so as to hold the said main ironing board in an elevated position when not in use.

Connected by hinges 38, to the cross plate 22, are inwardly converging members 39, having secured thereto at their free extremities and on opposite sides of the same plates 40, between which is slidably mounted an extension leg or support 41, having for a distance longitudinally thereof a slot 42, through which passes a threaded stem 43 of a bolt and also passing through one of said plates 40, to receive a thumb nut 44, where-

by the leg may be adjusted or extended to position the main ironing board for operation.

Presuming that the main ironing board 10, is elevated in parallel relation to the wall board 12, and maintained in such position by locking engagement with the latch member 36, with the pin 35, and now it is desired to bring the main ironing board to operative position the operator releases said latch member from engagement with the pin and then lowers said main ironing board to a substantially horizontal position and by swinging the leg 41, in a vertical position the same will prop or support said main ironing board for operation. Now should the operator desire to move the section 16, into superposed horizontal position with respect to the main ironing board he then turns the crank lever 30, and through the medium of the spacer loops 27, will cause the block 24, to slide along the guide slot 23, and at the same time the frictional rollers 18, will engage the inner faces of the guide plates 15, whereby the rearmost end of said section 16, will move along the recess 13, in the wall board 12, until the said spacer loops are brought to a substantially vertical position for supporting said section 16, in its superposed horizontal position for operation, and is thus maintained in the latter position by the locking engagement of the spring controlled pawl 32, with the toothed wheel.

What is claimed is:—

1. In an ironing board, a wall board having a recess extending centrally of the same, guide plates projecting a distance beyond opposite side edges of said recess, a main ironing board hinged to the wall board adapted to move from a substantially vertical position to a horizontal position at right angles to the wall board, said main ironing board containing a central elongated opening, a displaceable section normally closing the said opening in the main board, friction rollers projecting from opposite sides of the displaceable section near the rearmost end thereof and adapted to engage the said recess in the wall board and frictionally contact with the inner faces of the guide plates, said displaceable section having a guide-way longitudinally in its under face, a slidable block mounted in said guide way, spacer loops journaled in the slide block and the main ironing board, a crank lever projecting from one of the spacer loops to actuate the displaceable section for bringing the same into superposed relation with respect to the main ironing board, a ratchet wheel fixed to the crank lever, and a spring controlled pawl engaging said ratchet wheel to lock the displaceable section against movement in one direction.

2. In an ironing board, a wall board hav-



ing a central guide-way therein, a main  
ironing board hinged to said wall board and  
adapted to be swung from a vertical to a  
horizontal position, means to support the  
5 main ironing board in its horizontal posi-  
tion, a displaceable section normally inter-  
fitting the main ironing board and slidably  
connected in the guide-way of the wall  
board, spacer loops hinged to the displace-  
10 able section and the main ironing board and  
adapted to elevate the said displaceable sec-  
tion in superposed relation with respect to

the main ironing board and a crank lever  
formed on one of the spacer loops to actuate  
the same for moving the displaceable sec- 15  
tion in superposed position with respect to  
the main ironing board.

In testimony whereof, I affix my signa-  
ture, in presence of two witnesses.

WILLIAM J. NELSON.

Witnesses:

L. B. CROOKER,  
MAUDE E. CROOKER.