

973,949.

Patented Oct. 25, 1910.

2 SHEETS—SHEET 1.

Fig. 1.

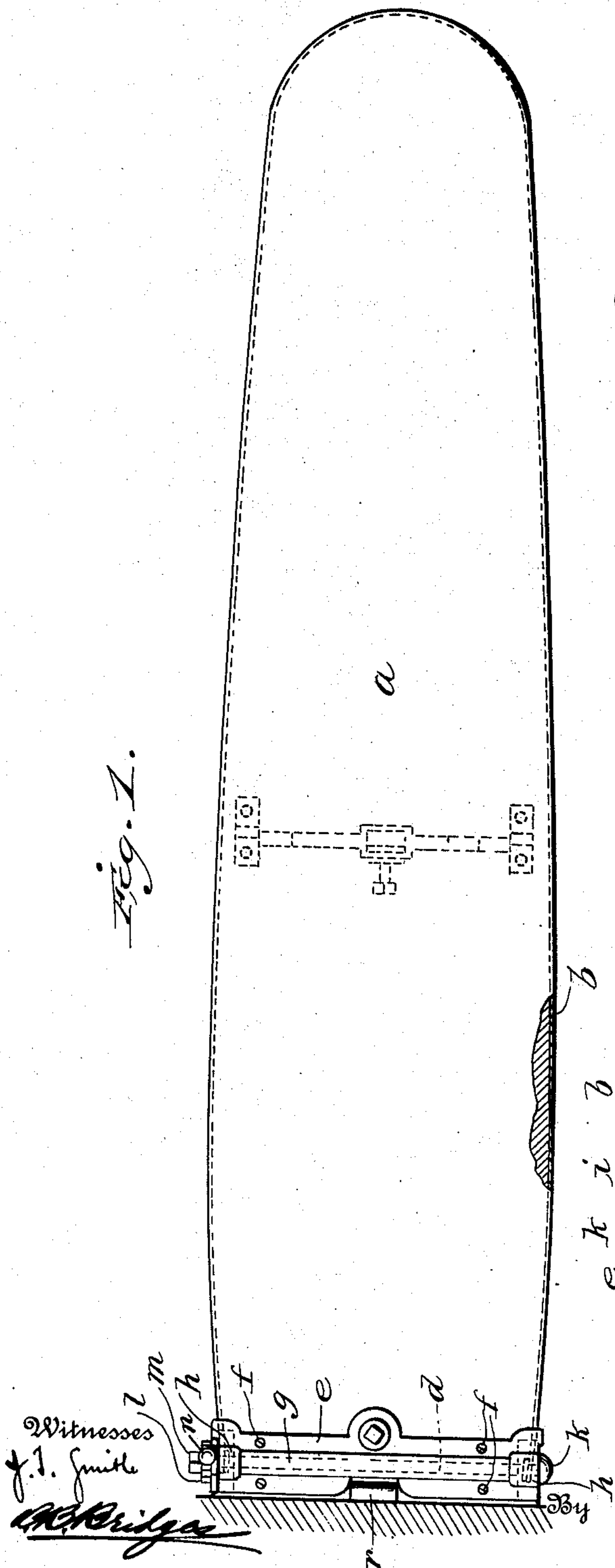


Fig. 3.

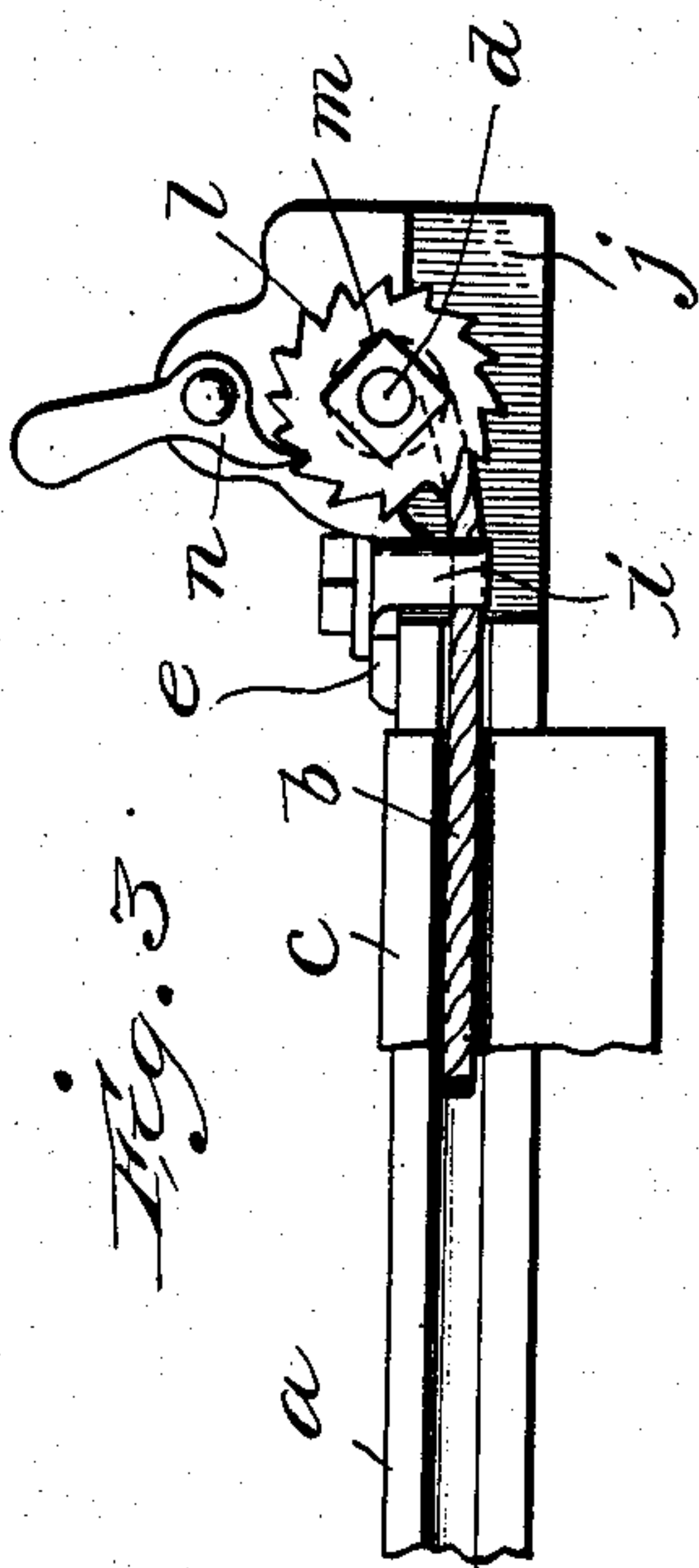
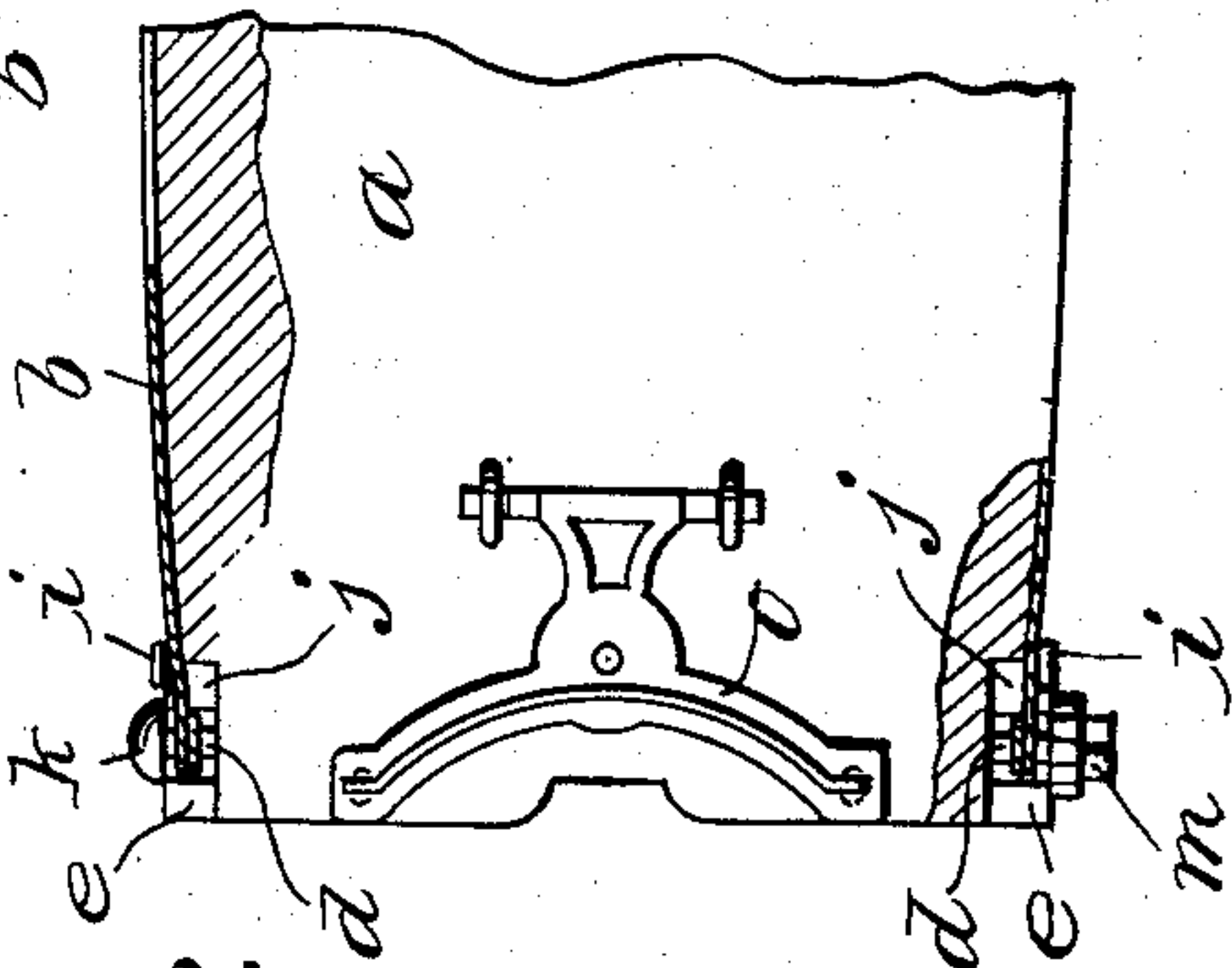


Fig. 2.



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IRONING BOARD.
APPLICATION FILED APR. 9, 1910.

Patented Oct. 25, 1910.

2 SHEETS—SHEET 2.

Fig. 5.

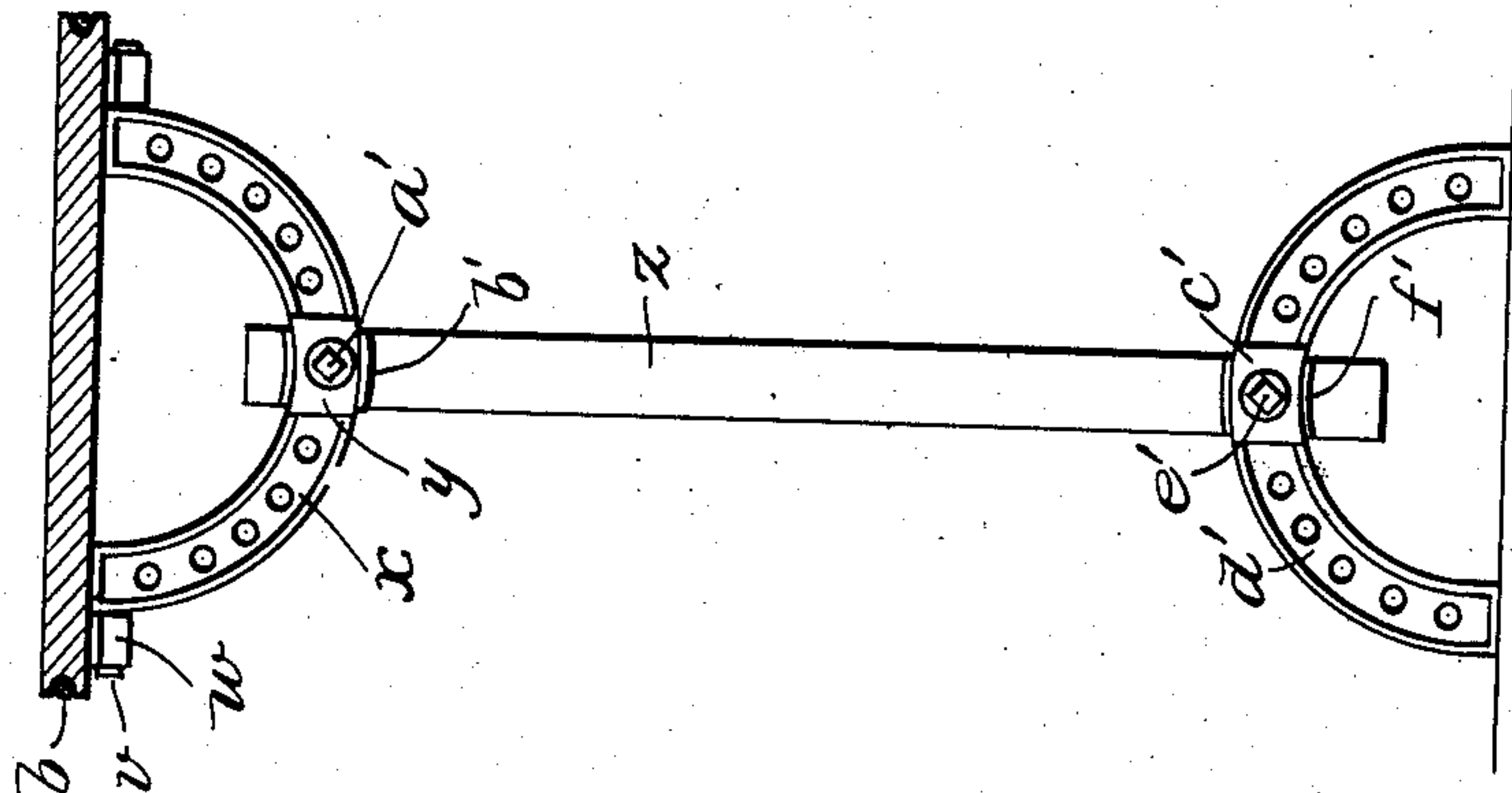


Fig. 4.

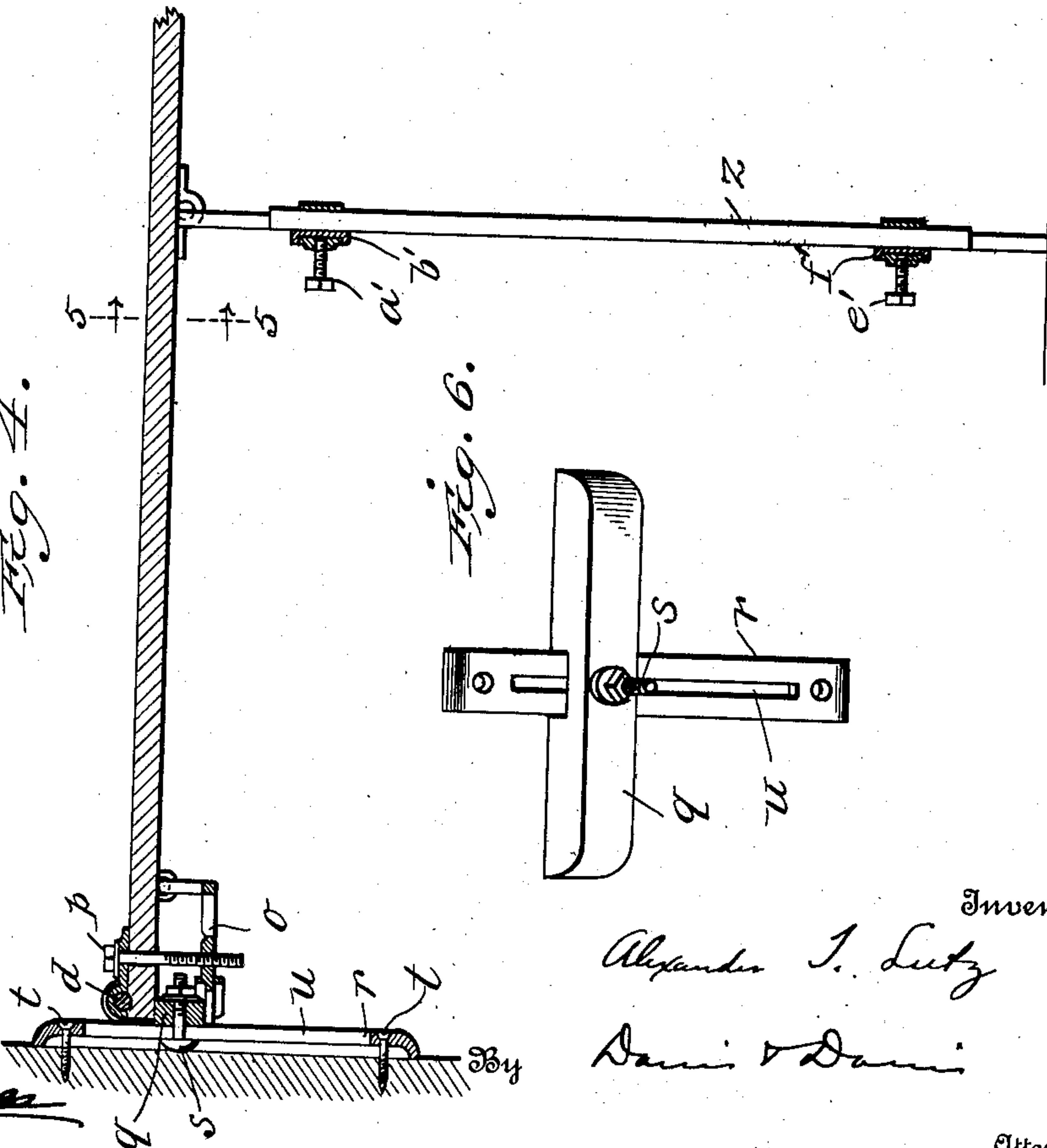
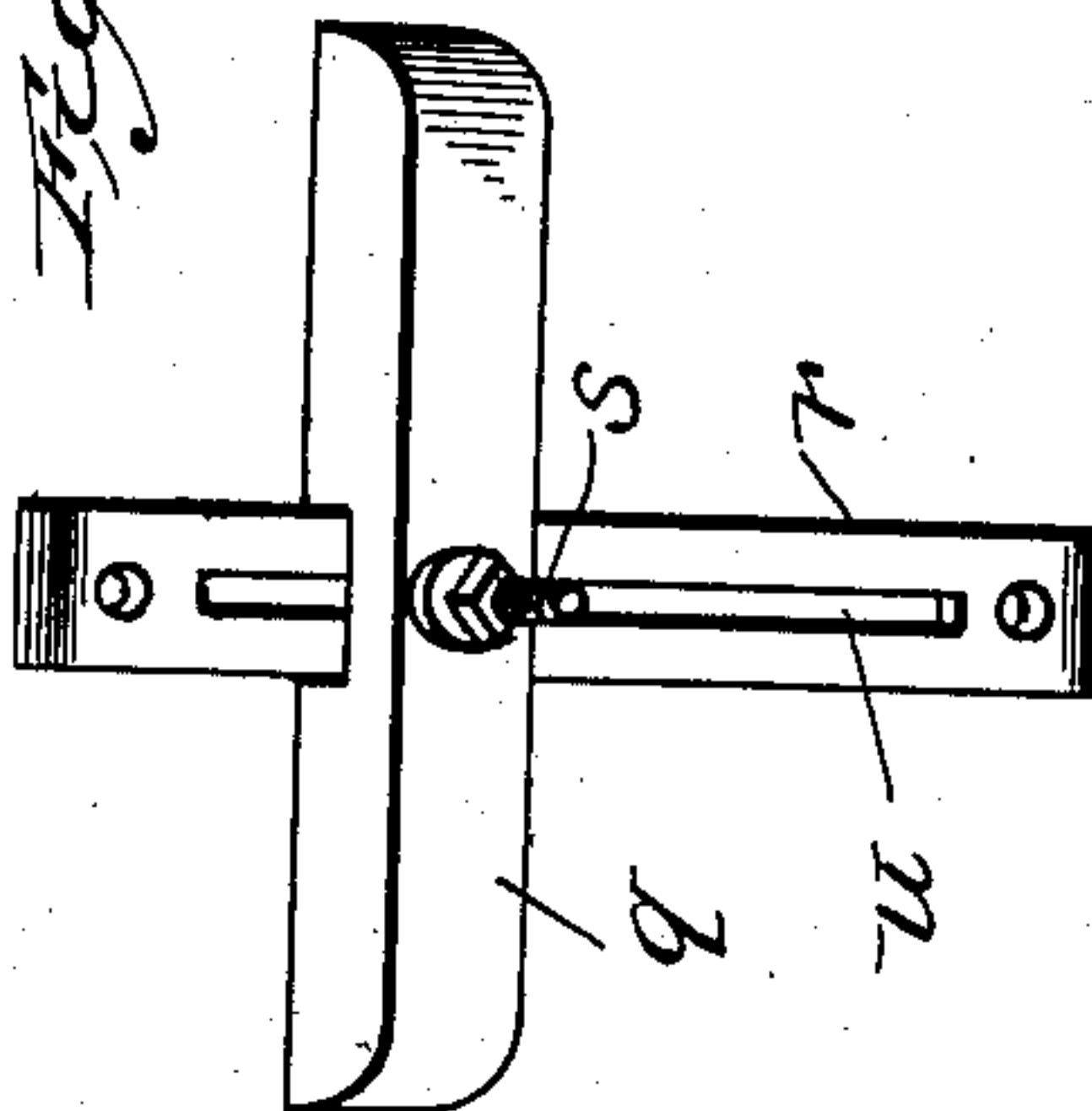


Fig. 6.



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UNITED STATES PATENT OFFICE.

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IRONING-BOARD.

973,949.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed April 9, 1910. Serial No. 554,503.

To all whom it may concern:

Be it known that I, ALEXANDER T. LUTZ, a citizen of the United States, and a resident of York, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Ironing-Boards, of which the following is a full and clear description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view, partly in section of the complete apparatus, showing it attached to a wall or other upright structure; Fig. 2 a bottom view of the inner end of the board detached from its support and partly in section; Fig. 3 a side elevation of the inner end of the board; Fig. 4 a vertical longitudinal section taken through the center of Fig. 1; Fig. 5 a transverse section on the line 5—5 of Fig. 4; and Fig. 6 a detail perspective view of the wall attachment.

The object of this invention is essentially to provide simple and effectual means for so attaching the ironing cloth or blanket to the board that sewing and tacking the same to the board will be avoided and that the cloth or blanket may be readily removed and shifted or changed, while at the same time the cloth or blanket will be kept taut and smooth during the ironing operations, as more fully hereinafter set forth.

The opposite side edges and the outer rounded edge of the board *a* is provided with a groove in which lies a cord or wire *b* for removably clamping the ironing cloth or blanket *c* against the upper surface of the board, the two ends of this cord being attached to and wound around the respective ends of a shaft *d* which is rotatively mounted and extends across the upper face of the board at the extreme inner end thereof and is held in place by a plate *e*, which is fastened down on the surface of the board by screws *f*, this plate *e* being curved upwardly to form a housing *g* extending the full length of the shaft, the ends of this housing being enlarged at *h* to cover the several windings of the cord upon the shaft. The plate *e* confines the shaft *d* against the upper surface of the board, that is, the shaft is journaled between the plate and the face of the board. To guide the cord at the inner ends of the side grooves, the plate *e* is provided with a pair of depending lugs *i*, and where the ends of the cord are wound

upon the shaft the corners of the board are cut away or notched, as at *j*, to afford room for thus winding the cord upon the shaft. Thus cutting away the ends of the board and providing the guide lugs *i* permits the ends of the cord to be wound upon the shaft at points within the general side edges of the board, that is, underneath the ends of the cover plate *e*, so that said cover plate need not be projected beyond the general contour of the board.

One end of the shaft is provided with a rounded head *k* which bears against one end of the plate *e*, and at the other end of the shaft it is provided with a ratchet wheel *l* which bears against the opposite end of the plate, thus confining the shaft against endwise movement in its bearing. The end of the shaft adjacent the ratchet wheel is provided with an angular head *m* for the reception of a wrench for tightening or loosening the cord. A gravitating pawl *n* normally engages and locks the shaft through the medium of the ratchet wheel, this pawl being provided with a suitable thumb piece or handle to enable it to be held out of action when the shaft is turned to loosen the cord. It will be observed that by the foregoing mechanism a blanket or ironing cloth may be clamped to the upper face of the board securely and smoothly and that it may be readily loosened for shifting or removal by simply loosening the clamp cord.

Pivotally attached to the under side of the board at its inner end is a clamp plate or jaw *o* which is operated by a screw bolt *p* passing down through a hole in the plate *e* and the board and threaded through a hole in the jaw plate. This enables the inner end of the board to be clamped to the edge of a table or to the edge of one of the inner boards of an extension table when the same is opened or to any other suitable support. In the drawings I have shown it attached to a horizontal bar *q* which is clamped to a vertical plate *r* by a bolt *s*, said plate *r* being fastened to an upright support, such as a wall, by screws *t* and being provided with a vertical slot *u* through which the bolt *s* passes, thereby permitting the supporting bar *q* to be vertically adjusted to suit the height of the operator. To prevent the bar *q* turning pivotally on the bolt *s*, the inner edge of the bar is angularly notched to fit over the vertical bar *u*, as shown in Fig. 6.

Any suitable supporting leg-structure may be employed. In the drawing is shown a leg-structure having special advantages in the way of firmness and adjustability.

5 Pivotaly hung on transverse pivots *v* which are confined to the bottom of the board by clips *w*, is a depending curved bar *x*, which at its center is provided with a vertical eye *y* up through which the upper end of a vertical bar *z* passes. This bar is vertically adjustable and is clamped in the eye by means of a clamp bolt *a'*, which is threaded through one wall of the eye *y* and bears against wear-plate *b'* supported within the eye or box *y*.

10 The lower end of the bar *z* passes down through an eye or box *c'* similar to the eye *y* and carried by a similarly curved or arched bar *d'* whose ends turn downwardly to form feet which rest upon the floor. A clamp bolt *e'* and a wear-plate *f'* similar to the bolt *a'* and wear-plate *b'* are employed in this lower arched foot-bar. With this leg-structure it will be observed that a wide range of adjustment can be obtained while at the

25 same time firmness and stability are provided as well as the capacity to fold up against the bottom face of the board for convenience in transportation and storing.

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

1. In combination with an ironing board grooved around its edges and notched at each of its inner corners, a housing plate fastened across the inner end of the board and extending over said notches and provided with a lug at each end extending downwardly at the outer sides of said notches, a shaft journaled across the board under said housing plate and means for rotating and locking said shaft, a cord having its ends fastened to and wound upon said shaft and extending around the board in the grooved edges thereof, the inner ends of said cord passing behind said lugs.

2. In combination with a board having a groove in its edges, a shaft journaled at one end of the board, a cord lying in said groove and having its ends attached to the said shaft, a plate fastened to the upper face of the board and forming a housing for said shaft and the cord windings thereon, and means for rotating said shaft and locking it against rotation.

In testimony whereof I hereunto affix my signature in the presence of two witnesses this 28th day of March 1910.

ALEXANDER T. LUTZ.

Witnesses:

NOAH C. MAY,
MAX JEWEL.