

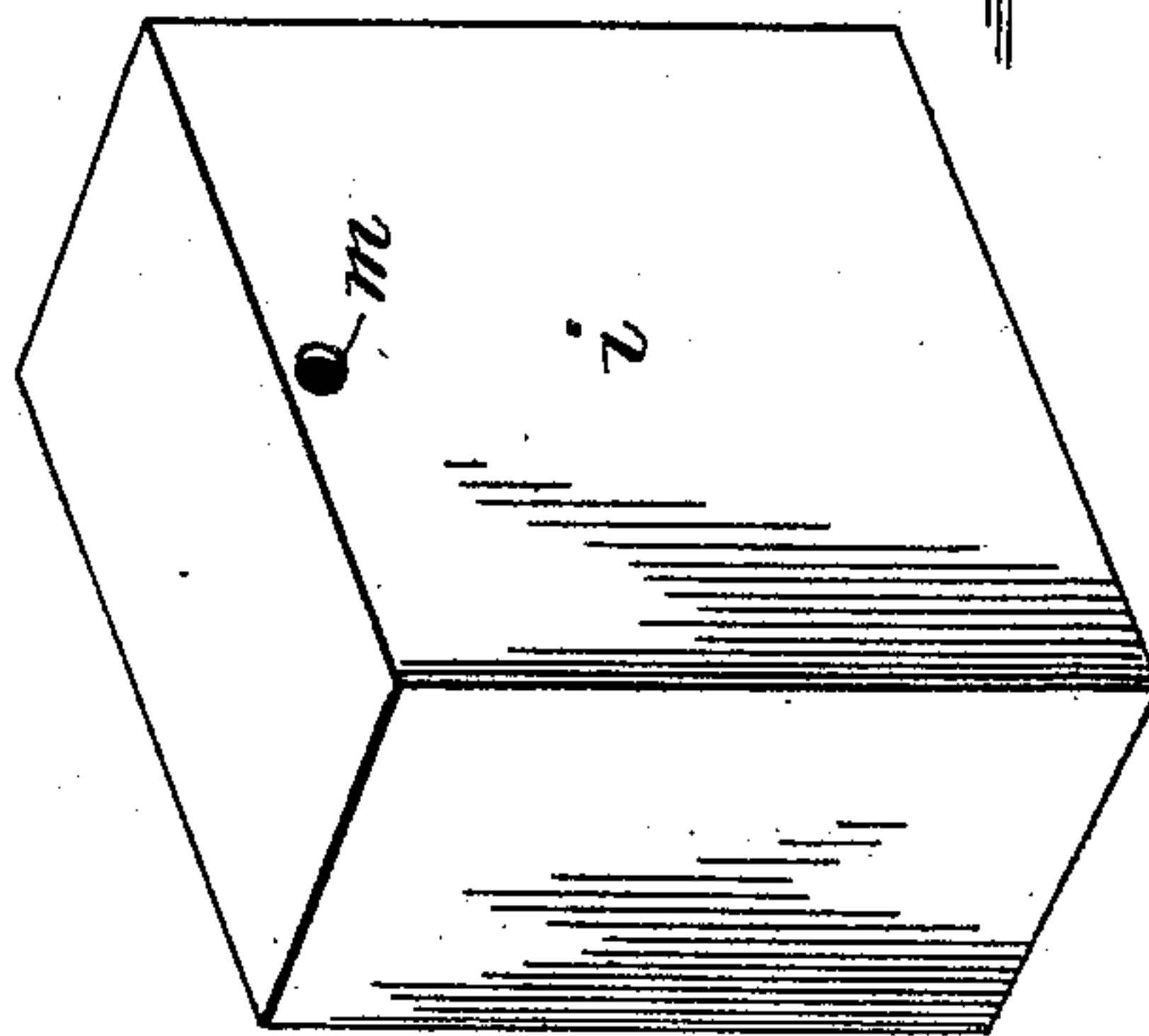
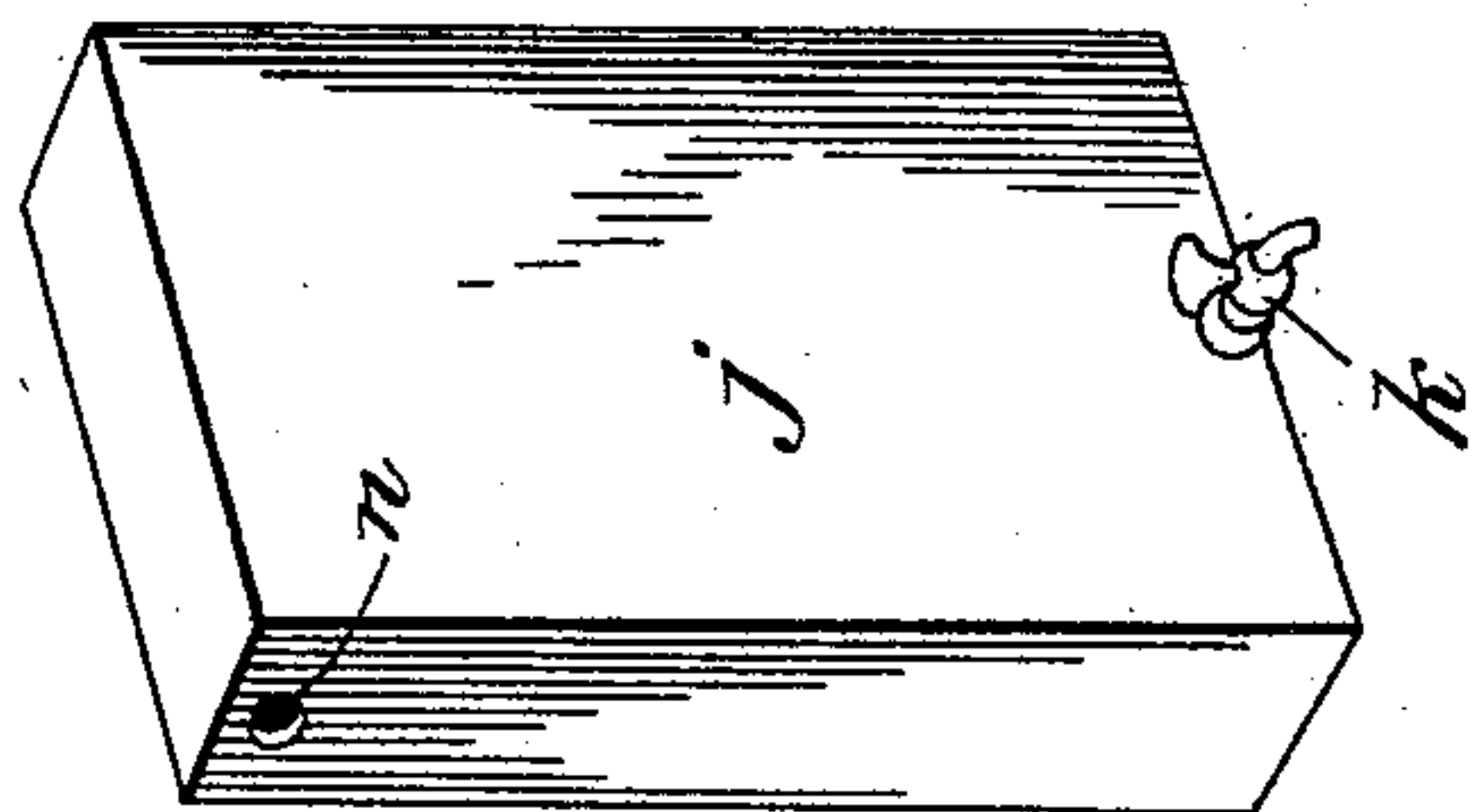
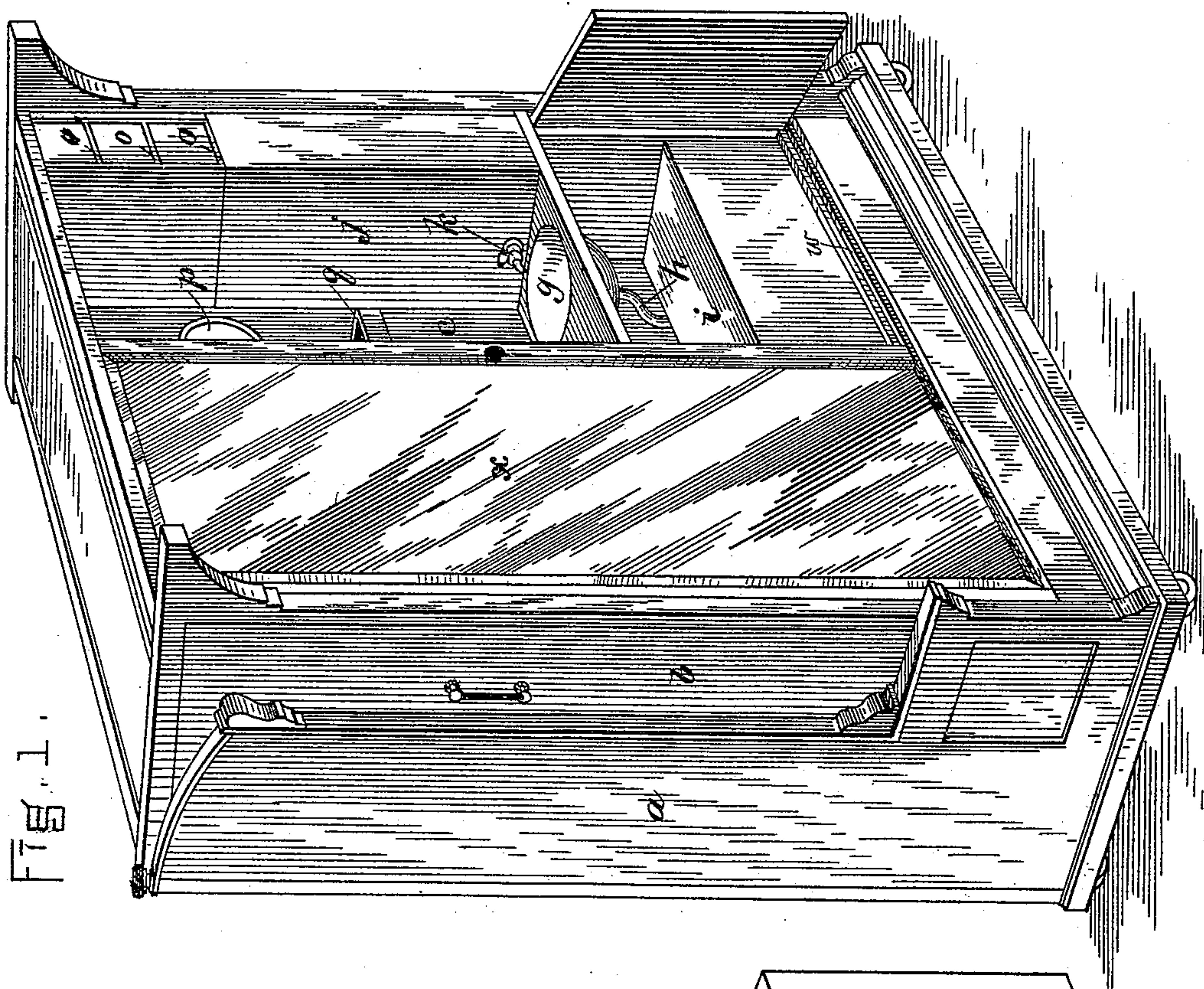
(No Model.)

3 Sheets—Sheet 1.

J. B. ANDERSON.
FOLDING BED.

No. 449,892.

Patented Apr. 7, 1891.



WITNESSES.

Henry Marsh.
G. Bartlett.

INVENTOR,

J.B. Anderson
by Wright Brown & Crossley
Attys

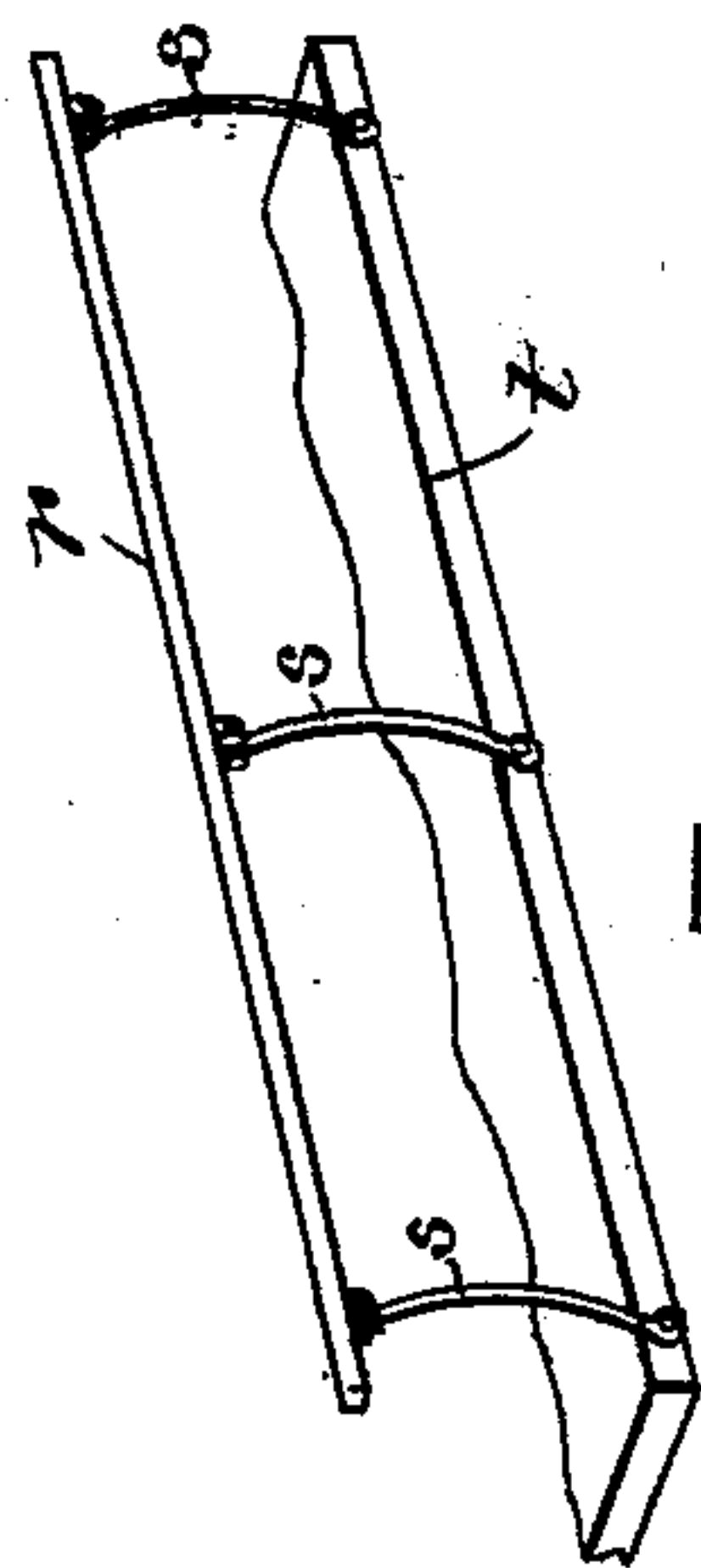
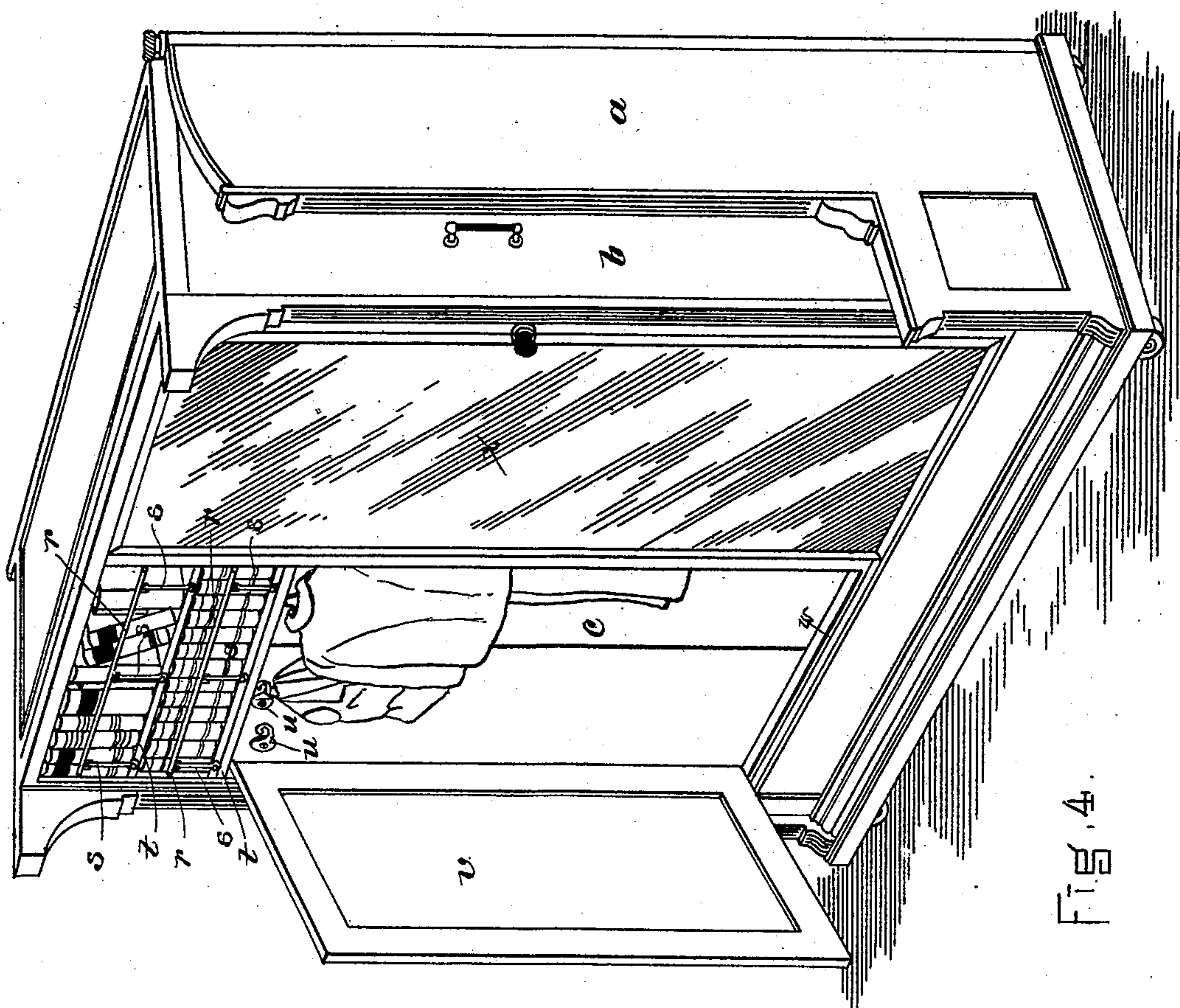
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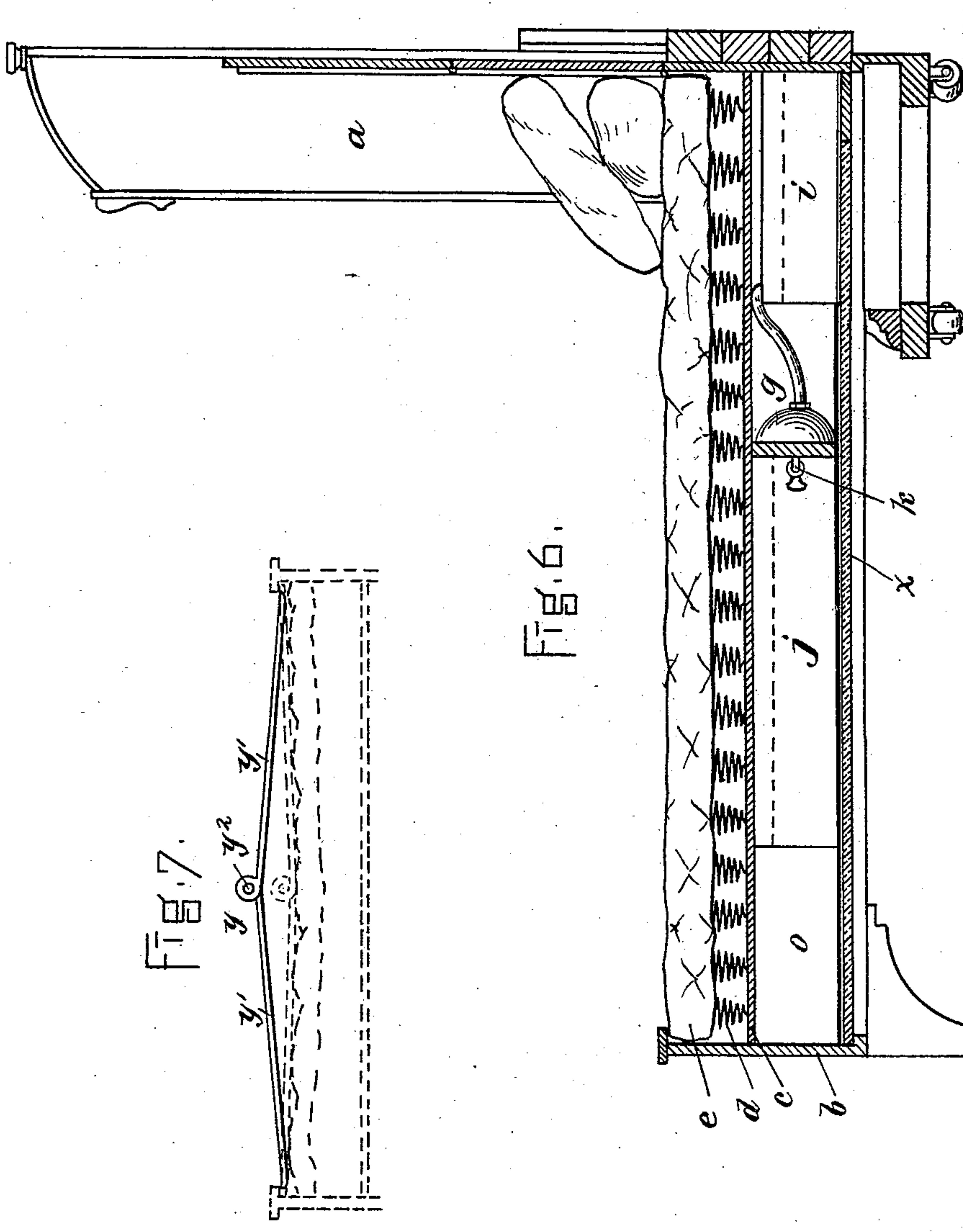
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G. J. Bartlett.

INVENTOR

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UNITED STATES PATENT OFFICE.

JOSIAH B. ANDERSON, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO GEORGE H. HEATH, OF SAME PLACE.

FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 449,892, dated April 7, 1891.

Application filed May 1, 1890. Serial No. 350,121. (No model.)

To all whom it may concern:

Be it known that I, JOSIAH B. ANDERSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification.

This invention relates to folding beds; and it has for its object to provide a folding bed which shall combine in itself a folding bed, a wash-stand, and a wardrobe or book-case.

The invention consists of a folding bed of the usual one-fold pattern, which comprises a back or standing portion and a front or swinging portion, having in its front portion two recesses or compartments, one of which is fitted with a clean-water tank so arranged as to prevent spilling or outflow of the water when the front or swinging portion is lowered, a washing-bowl, and a waste-water tank, and the other of which is adapted to be used as a wardrobe or a book-case, or partly as one and partly as the other, as I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my improved bed, the bed being folded, showing the recess or compartment which is fitted with the washing apparatus. Fig. 2 represents a perspective view from back of the clean-water tank. Fig. 3 represents a similar view of the waste-water tank. Fig. 4 represents a similar view to that shown in Fig. 1, showing the other recess or compartment open. Fig. 5 represents a perspective view of a spring which is used on the book-shelves of the last-mentioned compartment. Fig. 6 represents a longitudinal section of the bed, showing the same open and ready for use as a bed. Fig. 7 shows an improved holding-bar for the bedding in position.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the back or standing portion of a one-fold folding bed, and *b* represents the front or swinging portion of the same. The front or swinging section *b* is pivoted at its lower portion to the standing section *a* in the usual manner, and is provided with a bed-bottom *c*, springs *d*, and mattress *e*, of any suitable form. In con-

nection with said bed I provide a jointed bar *y*, which is adapted to firmly hold the bed-clothes when the swinging section is to be swung up into an upright position. Said bar *y* is composed of two parts or members *y'*, pivotally connected together at *y''*, so that when extended it will be held rigid. This bar is adapted to have the ends of its sections placed against the sides of the bed and then to be straightened, when it will remain straight, holding the clothes firmly pressed against the bed-frame. A bar thus constructed is especially designed for folding beds, since it serves to hold the clothes thereof in place when the folding section of the bed is in a vertical position.

The front section of the bed is constructed as a casing inclosing two compartments. Said compartments are shut in by a sliding mirror occupying one part of the front and a door of wood or partly of wood and partly of glass occupying the remaining part of the front. The bed-bottom *c* forms the back partition of the said compartments. One of said compartments is fitted with a shelf *f*, adapted to hold a wash-bowl *g*. Said wash-bowl is connected by a flexible waste-pipe *h* with a waste-water receptacle or tank *i*, arranged below said wash-bowl.

j is a clean-water tank supported above said shelf *f* and having at its lower portion a faucet *k*, from which the water in said tank may be allowed to flow into the wash-bowl *g*, said faucet being arranged above said bowl. To prevent the possibility of the waste-water tank being filled and water caused to overflow therefrom by accident, I make the clean-water tank *j* slightly smaller than said waste-water tank *i*. The waste-pipe *h* enters the waste-tank *i* at a hole *m* at the upper end of the back of said tank, so that when the front section *b* of the bed is swung forward and downward the water in said tank will find its level without escaping or spilling from the inlet *m*. The clean-water tank *j* is provided with a hole *n* at the upper end of the back thereof by which it may be filled, said hole being so located that when the front section *b* of the bed is swung forward the water in said tank will find its new level without spilling or leaking from the said in-

let *n*. When the waste-water tank *i* is full, it may be removed and emptied, and when the clean-water tank *j* is empty it may be removed and filled. Tank *j* is not to be refilled
 5 until tank *i* is emptied, so as to prevent overflowing of the latter. Both of the said tanks may be packed in cork or other non-conducting material to prevent dampness from condensation or other cause.

10 Above the clean-water tank *j* I arrange the shelves *o o* to hold clean towels or other articles. At the back of said compartment I prefer to affix a small mirror *p*, below which is a shelf *q*, adapted to hold brush and comb,
 15 &c. To the back partition *c*, or to the partition between the two compartments, I attach hooks to hold towels, &c. The other compartment I have shown in Fig. 4 arranged as a wardrobe, with two shelves *t t* for books at
 20 the upper portion of said compartment. Said compartment may be arranged entirely as a wardrobe or entirely as a book-case, or may be arranged with drawers or in any other suitable way, as I do not limit myself to the
 25 precise arrangement shown.

I provide the front of the book-shelves *t* with the holding or retaining bars *r*. Said bars *r* are retained in position by springs *s s*, which are affixed to the book-shelves *t t*, said
 30 springs in their normal position holding the bars *r* against the backs of the books, and at the same time allowing either of the bars *r* to be brought forward enough to admit of the introduction and removal of a book to and
 35 from the shelf. The wardrobe part of said compartment may be fitted with hooks *u u*, on which clothes, &c., may be hung. As shown in Fig. 4, the upper or book-case portion of this compartment has no door or cover
 40 in front thereof, while the lower portion is shown as inclosed by a wooden door *v*, hinged to the side of the section *b* of the swinging bed. Said door *v* may be provided at the edge opposite its hinged edge with a suitable
 45 catch to engage with the center partition between the two compartments. Said door *v* is so hung that when it is shut it will be within and clear of a groove *w*, in which moves a sliding door *x*, which closes in the compartment holding the washing apparatus, the arrangement being such that when the door *v* is
 50 closed the sliding door *x* may be slid along to

disclose the washing apparatus. The said sliding door *x* may consist of a large framed mirror, as shown, or it may be of wood or of any
 55 other suitable material.

I claim—

1. In a one-fold folding bed, the combination of the back or standing section, the front or swinging section pivotally secured thereto
 60 and having two separate compartments and provided with a front groove *w*, the swinging door inclosing one of said compartments, and the sliding door inclosing the other compartment and fitted in said groove, whereby it can
 65 be slid in front of said swinging door when the latter is closed, as set forth.

2. In a folding bed, the combination of the back or standing section, the front or swinging section pivotally secured thereto and having
 70 two separate compartments, the wash-bowl located in one of said compartments, the removable waste-water tank located below said wash-bowl, the flexible connection between said wash-bowl and the upper portion
 75 of the back of said waste-water tank, and the removable clean-water tank arranged above said wash-bowl and provided with a tap and a supply-opening in the upper portion of one side thereof, substantially as and for the purpose
 80 set forth.

3. In a folding bed, the front or swinging section having a compartment provided with a book-shelf, the front retaining-bar, and the springs connected thereto and to said shelf,
 85 whereby books are prevented from sliding out by gravity when said front section is lowered, as set forth.

4. The combination, with a folding bed, of a jointed bar adapted to hold the bedclothes
 90 firmly against the bed-frame, the ends of said bar being placed against the sides of said frame, while the bar is bent and pressed firmly against said sides by straightening the bar, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 24th day of April, A. D. 1890.

JOSIAH B. ANDERSON.

Witnesses:

EWING W. HAMLEN,
 C. F. BROWN.