

No. 664,539.

Patented Dec. 25, 1900.

D. EISNER.
FOLDING BED.

(Application filed June 25, 1900.)

(No Model.)

Fig. 1.

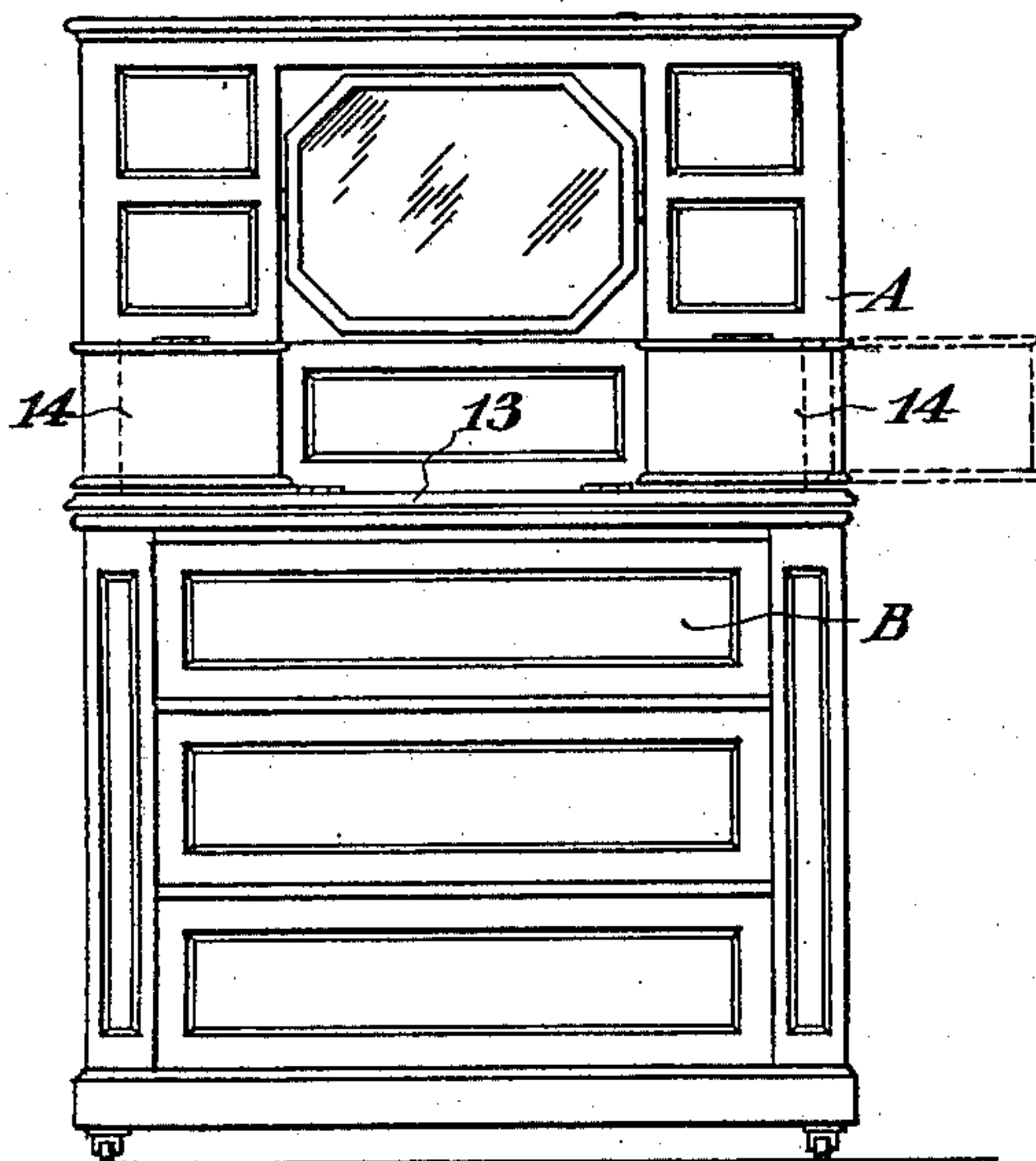


Fig 2.

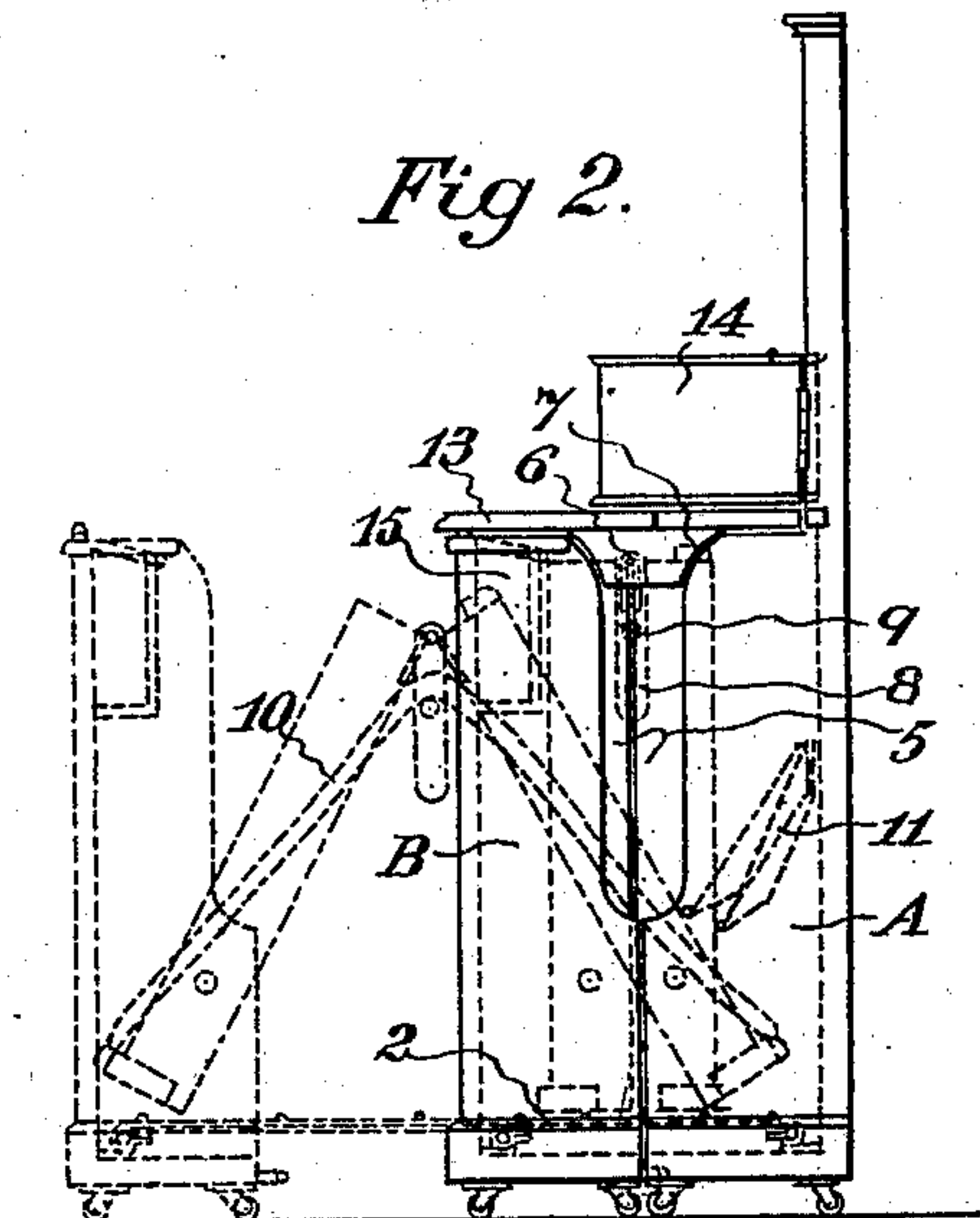


Fig. 3.

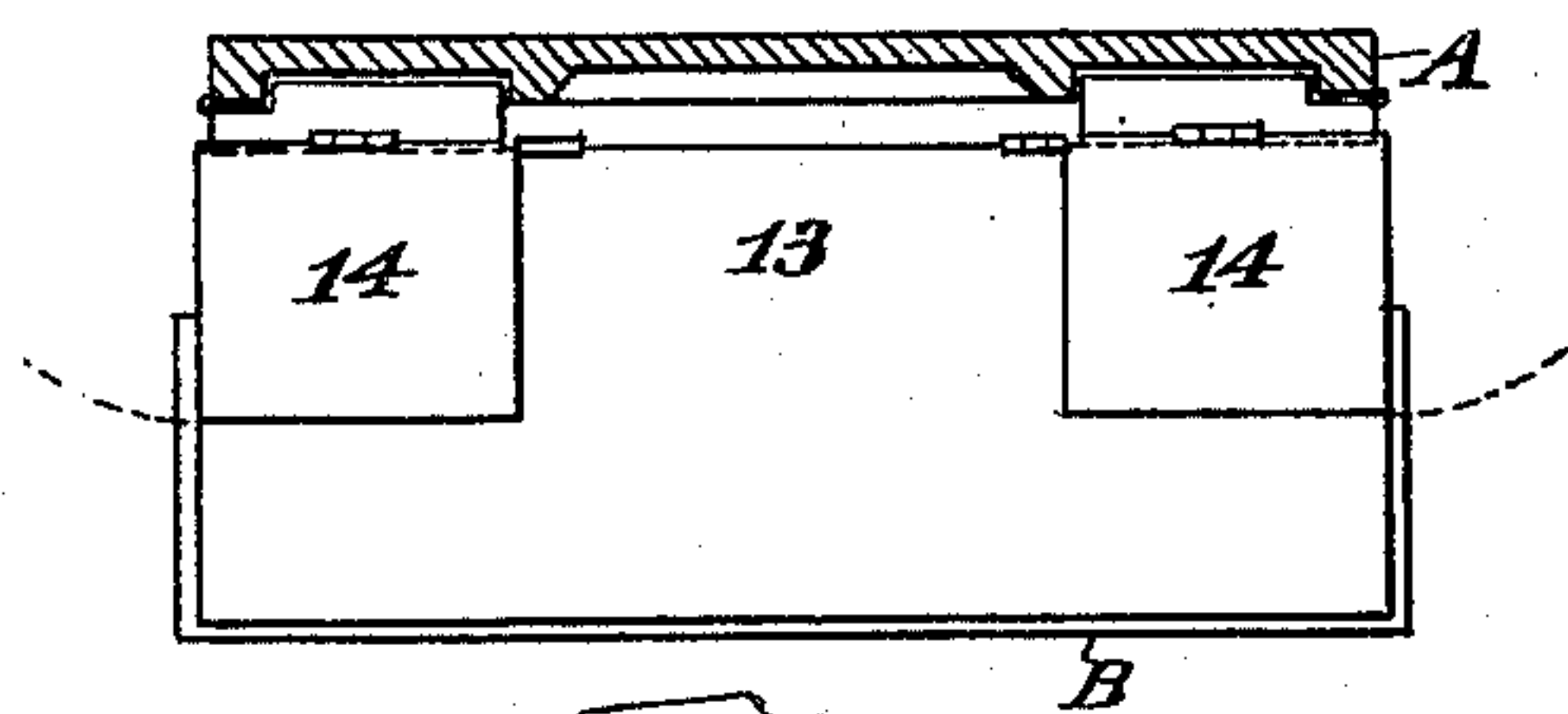
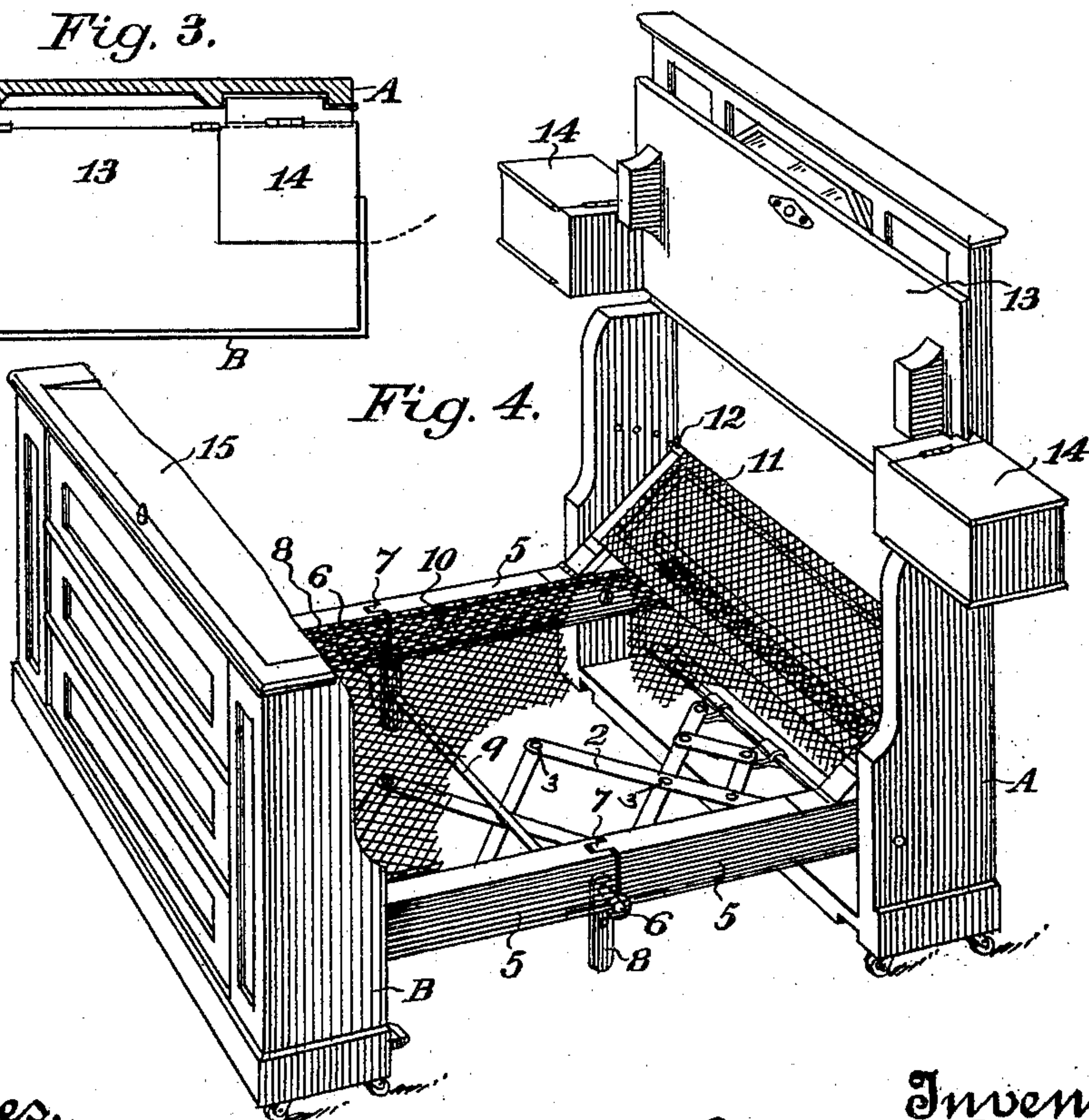


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FOLDING BED.

SPECIFICATION forming part of Letters Patent No. 664,539, dated December 25, 1900.

Application filed June 25, 1900. Serial No. 21,484. (No model.)

To all whom it may concern:

Be it known that I, DANIEL EISNER, a citizen of the United States, residing in the city and county of San Francisco, in the State of California, have invented an Improvement in Folding Beds; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to improvements in that class of furniture known as "folding beds," in which the device is extended for use as a bed and when closed up is made to resemble some other article of furniture and conceal its true identity.

It consists of the parts and the constructions and combinations of parts hereinafter described and claimed.

Figure 1 is a front elevation showing the bed folded up as a bureau. Fig. 2 is a side elevation of the same. Fig. 3 is a plan. Fig. 4 is a perspective view of the folding bed.

The object of my invention is to provide a convenient and safe folding bed not liable to accidents by closing upon the occupant and which when not in use is converted into a presentable article of furniture.

As herein shown, the parts A and B are respectively the head and foot portions of the bed when extended, and when brought together they unite, so that they form the representation of a bureau or similar article of furniture. These portions A and B are united at the bottom by the cross-arms 2, pivoted together at the points of crossing 3 and also at their outer ends, so as to form what is known as a "lazy-tongs," which can be extended when the bed is opened out or closed up together when it is to be closed. The portion B, which forms the foot of the bed, is preferably mounted upon casters, so as to move easily, while the other portion may, if preferred, rest upon the floor without movement in order to allow the structure to be extended or closed by movement of the part B. For convenience in moving the whole structure from one place to another, however, it may be found desirable to place casters upon this portion also.

Hinged to the sides of the parts A and B are the bars 5, which form the side rails of the bed. These bars are also hinged together at 6 and have mortises and corresponding

tongues or tenons at 7 above the hinges, which engage with each other, so that when the bars are extended the ends abut and these mortises and tenons hold them rigidly against side movement. At the point where the bars are hinged together are attached the legs 8, which depend from the joint, and when the bars 5 are extended in a straight line, the bed being extended, these legs rest upon the floor and form an additional support for the central portion of the bed. These legs are united by a rod or bar 9, which extends between the two and forms a support and means for folding the mattress 10 when the bars are folded and the structure closed up.

The mattress 10 may be a wire mattress or other suitable form attached at each end and extending between the side rails 5. When the rails are dropped into a horizontal position, the bar 9 will lie far enough below the mattress 10 to prevent the latter from contacting with it; but when the joint in the rails is broken upward and the parts closed together this bar lifts the central portion of the mattress, thus folding it in unison with the movements of the other parts.

To that portion of the side rails 5 which is attached to the head portion A is hinged a framework 11, which is covered with wire-screen material and which forms a bolster or inclined head-rest. This part may be adjusted to any desired angle to suit the occupant of the bed by means of spring-catches 12, fixed to each side and adapted to engage with holes made in the sides of the head portion.

When the structure is closed together by pushing the parts A and B into contact, the pivoted cross bars 2 will be closed up, the side rails 5 will be folded upon themselves, also folding the mattress at the same time, and the head-rest or bolster 11 will also be folded back upon the side rails 5, which are hinged to the part A, so that the whole interior structure will be inclosed between the parts A and B. When this is done, the part 13, which is hinged to the portion A, is folded down over the two parts A and B, and thus forms the top of the bureau.

The boxes 14 are hinged upon each side of the part A just above the level of the board

13 when the latter is folded down and can be turned in above the board, so as to resemble the usual boxes for containing toilet articles, which are formed upon or attached to the sides of a bureau. These boxes are turned outwardly about their hinges, swinging clear of the board 13, and this board is turned upward into a vertical position previous to opening the bed. When thus turned up, the boxes may be swung back at right angles with their normal position, and they have notches which engage with corresponding notches or lugs upon the board 13, so as to retain it in its upright position and prevent its falling while the bed is in use. After the bed has been closed, as previously described, these boxes are swung outward sufficiently to release the top 13, which is then folded down to form the top of the bureau, and the boxes are swung in over this board to their normal position. A suitable latch locks the board 13 to the top of the section B, and the whole structure is thus locked together and can be moved like any bureau or similar piece of furniture.

The upward extension of the back or part A is suitably ornamented and contains a mirror, as usual to bureaus, thus making the device a complete representation of a bureau, with the exception that the drawers are only dummies and cannot be pulled out.

For convenience in storing bedclothing which is not in use I have shown a box 15, extending along the top and inside of the part B, having a cover to it, or, if desired, the bedclothing may be suitably spread upon the mattress and folded with it when the device is closed up.

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

1. The combination in a folding bed, of folding head and foot sections said head-section having a hinged top board, and boxes hinged upon the side of the head-section and turnable inwardly over the top board or outwardly to release the same.

2. The combination of separable head and foot sections, and a folding connection between the same, a mattress, a head-rest hav-

ing one end hinged, and connections between the opposite end of said head-rest and the head-section whereby the former may be adjusted to different inclinations.

3. The combination in a folding bed of head and foot portions united by crossed extensible levers, and movable to or from each other, said head-section having a series of holes, side rails hinged to said sections having central joints and supporting-legs, a mattress fixed upon said framework and a bolster or head-rest with spring-latches to engage said holes whereby its angle may be adjusted.

4. The combination in a folding bed of head and foot sections with jointed extensible and foldable connecting-bars, side rails pivoted to the sections having central joints and legs extending therefrom, a mattress extending from end to end forming the bed-bottom, a hinged adjustable bolster or head-support, a board hinged to the head-section adapted to fold down over the two sections when closed together, a latch by which the parts are locked in position and boxes hinged upon the side of the head portion and turnable inwardly over the top board or outwardly to release the same.

5. The combination in a folding bed of the head and foot portions with a lazy-tongs connection whereby they are extensible or closable toward each other, jointed pivoted side rails and a mattress carried thereon, a board hinged to the head portion and foldable so as to form a top when the device is closed together, and having a latch by which the foot portion of the structure is locked so as to resemble a bureau-front, boxes hinged to the sides of the head-section turnable in horizontal planes about the hinges, said boxes having angular notches adapted to engage corresponding notches in the board when the latter is turned upwardly about its hinges, and prevent its falling when the bed is extended.

In witness whereof I have hereunto set my hand.

DANIEL EISNER.

Witnesses:

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