

J. NAUGLE.
FOLDING BED.
APPLICATION FILED MAY 7, 1909.

957,240.

Patented May 10, 1910.

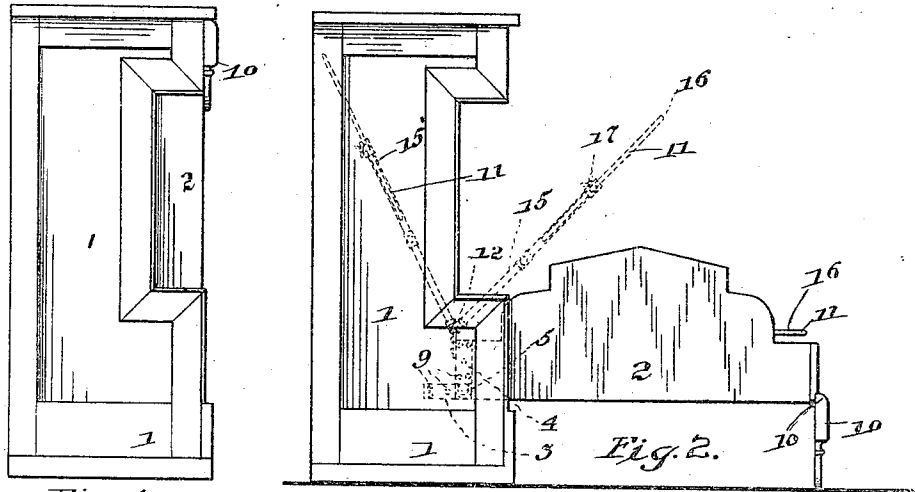


Fig. 1.

Fig. 2.

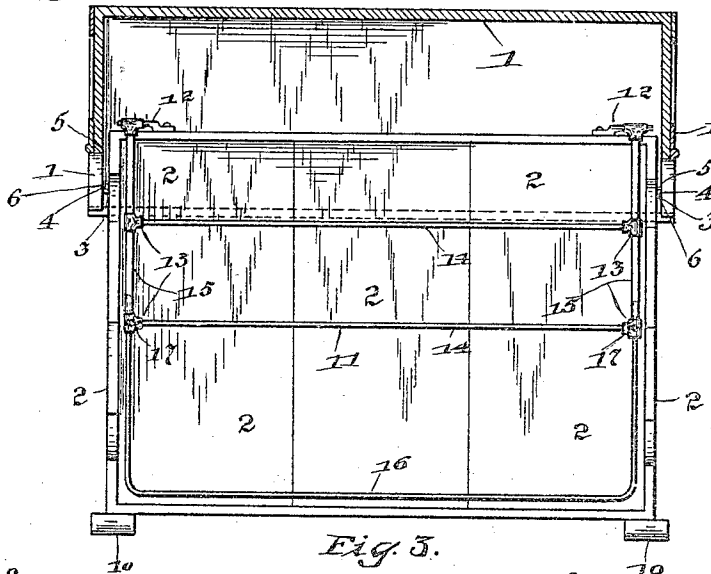


Fig. 3.

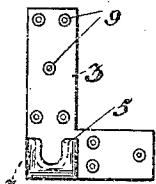


Fig. 4.

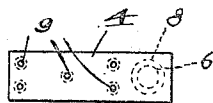


Fig. 5.

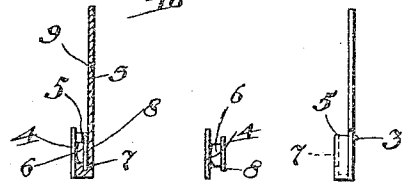


Fig. 6. Fig. 7. Fig. 8.

Witnesses:

H. J. Oster.

W. C. Smith

Inventor:

John Naugle.

by Joshua R. P. Miller
His Attorney.

UNITED STATES PATENT OFFICE.

JOHN NAUGLE, OF BEDFORD, INDIANA.

FOLDING BED.

957,240.

Specification of Letters Patent. Patented May 10, 1910.

Application filed May 7, 1909. Serial No. 494,599.

To all whom it may concern:

Be it known that I, JOHN NAUGLE, a citizen of the United States, residing at Bedford, county of Lawrence, and State of Indiana, have invented certain new and useful Improvements in Folding Beds, of which the following is a specification.

My invention relates to improvements in folding beds, the object of the invention being to provide a bed of this character that shall be ornamental, inexpensive of construction, and convenient and reliable in use.

A further object of my invention is to provide such a hanger that the bed frame may be easily removed from the casing of the bed.

A further object is to hang the bed frame on hinges of such a design as to prevent the casing from spreading. And a further object is to so arrange the hinges that the bed frame shall be partially balanced during the folding thereof and be held in closed position by its own gravity.

Other objects will appear hereinafter.

With these objects in view my invention consists in the novel construction and arrangement of parts as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is an end elevation of my improved folding bed in its preferred form, Fig. 2 is an end elevation thereof showing the same in the open position, Fig. 3 is a top elevation of the bed frame and horizontal section of the casing, Figs. 4, 5, 7 and 8 are detail elevations showing the members of a hinge, and Fig. 6 is an end elevation of one member of a hinge and a section of the other showing the same assembled.

Referring now to the drawings 1 designates the casing and 2 the bed frame hung therein. Each of the two hinges by means of which the bed frame 2 is hung to the casing 1 comprises members 3 and 4, the former having a U-shaped bearing lug integral therewith and the latter a stud 6 adapted to rest in said lug. A groove 7 is provided in the lug 5 and a peripheral flange 8 formed on the stud 6 is adapted to seat in said groove, thus preventing the members 3 and 4 from separating and the casing 1 from spreading when the bed frame is in position

therein. Screw holes 9 are provided, so that when the members 3 and 4 are securely screwed after being inserted flush in the casing and bed frame respectively a rigid construction is formed.

The member 3 is angular in form and comprises an upwardly and an outwardly extending arm which are especially adapted to withstand the peculiar strains placed thereon. Upon starting to fold the bed, at first there is a strong inward force exerted on the bed frame which the outwardly extending arm is well adapted to resist. When the bed frame is folded, its entire weight exerts a downwardly force, which the upwardly extending arm is well adapted to resist.

Supporting legs 10 are hinged to the bed frame 2 at two corners thereof, the same being adapted to fold automatically when the bed is folded.

In order to hold the bed clothes properly in position after the bed is made and during the folding of the same, the tubular frame 11 is provided which is pivoted to a side of the bed frame by means of hinges 12, ordinary tees 13 being used to connect the longitudinal tubular members 14 with the end tubular members 15. When the bed is to be used, the frame 11 may be turned into the dotted line position 15', as shown in Fig. 2, the ends of the U-shaped member 16 provided in said frame being adapted to telescope the tubular members 15 to render the frame sufficiently narrow to fold into the casing 1. Thumb screws 17 are provided in two tees 13 to hold the U-shaped member 16 in any adjusted position in the tubular members.

It will be observed that since the hinges are arranged on the head and foot of the bed frame that the casing may be much lower than the ordinary bed casing.

Various slight changes might be made in the general form and arrangement of parts without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the claims.

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

1. A clothes holding frame for folding beds comprising end tubular members

hinged to the inside of the bed frame; longitudinal members connecting said end members; a U-shaped outside member telescoping into said end tubular members; and
5 means for adjustably securing said U-shaped member in said end members, substantially as described.

2. In a folding bed, a casing; angular hinge members 3 secured to each end of said
10 casing, said hinge members comprising an upwardly and an outwardly extending arm and a grooved supporting lug 5; and hinge

members 4 secured to the bed frame, said hinge members comprising a horizontally extending plate and a flanged stud 6, substantially as described. 15

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN NAUGLE.

Witnesses:

E. G. M. KNIGHT,
CHAS. M. MASON.