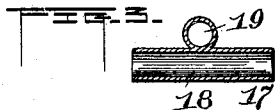
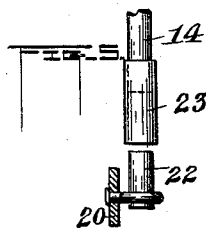
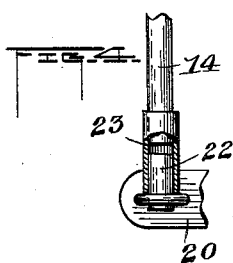
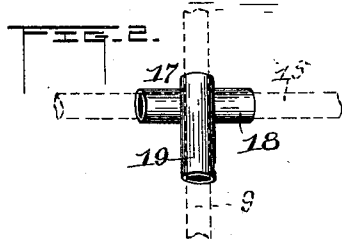
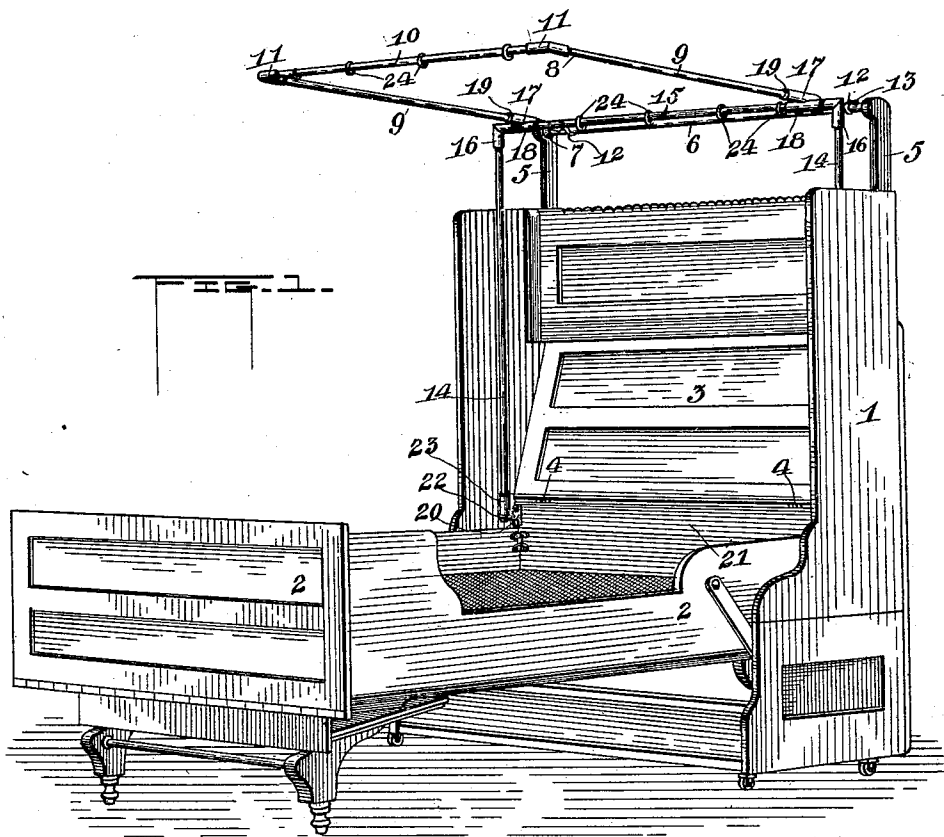


(No Model.)

A. H. EVA.
CANOPY FOR FOLDING BEDS.

No. 479,063.

Patented July 19, 1892.



Witnesses

Geverance
Wm L. Joyden

Inventor

Addison H. Eva
by *F. B. Brock*
Attorney

UNITED STATES PATENT OFFICE.

ADDISON H. EVA, OF AUSTIN, TEXAS.

CANOPY FOR FOLDING BEDS.

SPECIFICATION forming part of Letters Patent No. 479,063, dated July 19, 1892.

Application filed October 8, 1891. Serial No. 408,125. (No model.)

To all whom it may concern:

Be it known that I, ADDISON H. EVA, a citizen of the United States, residing at Austin, in the county of Travis and State of Texas, have invented certain new and useful Improvements in Canopies for Folding Beds; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Figure 1 represents a perspective view of a folding bedstead to which I have applied my improvements. Figs. 2, 3, 4, and 5 are detail views of my invention.

The object of my present improvements is to provide a canopy for a folding bed which will automatically fold up within the bed when the same is closed, and will similarly open out with the opening of the bed without any other attention than the proper arrangement of the folds of the mosquito or fly netting over the sides of the bed.

To attain these desired objects my invention consists in the following construction and combination of parts which will first be fully set forth and described in detail, and the points of novelty then substantially stated in the claim.

In the drawings I show one type of folding bed to illustrate my invention, but do not confine the application of my invention to any particular style of folding bed, but, on the contrary, may apply it to any form of bed for which it may be found suitable.

1 is the stationary frame or upright portion of the bed, and to which the folding portion 2 or bed proper is hinged or pivoted in the usual way.

3 is the usual hinged sliding head-board common to many folding beds. 4 are the hinges, by means of which it is pivotally hung to the folding bed 2.

5 are extension-pieces projecting above the frame 1, and preferably secured at the desired height to the back of the frame. A rod or bar 6 is hung upon the extension-pieces

5 in bearings 7, where it may rotate or not, as desired.

The canopy-top frame 8 is preferably made, as shown, of parallel side rods 9 and a front rod 10, united by elbows 11 and pivotally hung upon the rear rod 6 by eyes or rings 12, slipped upon rod 6 and attached to bars or rods 9.

13 are stops which prevent any side motion of the eyes 12 on the rod 6.

The raising-frame consists of two vertically-disposed rods 14, united at the top by a cross-bar 15 by means of elbow-joints 16.

17 are double-coupling thimbles or sleeves secured at right angles to each other and which serve to join the raising-frame and the canopy-top in a sliding contact by means of which the canopy-top is raised or lowered.

18 are the thimbles which slip over the rod 15, and 19 the thimbles which slide along the rods 9. These double thimbles are rigidly secured to each other.

20 are brackets secured to the inner side of the front board 21 of the bed 2. These brackets have bearings within which pivotal sockets 22 are hung. Over these friction-sockets a sleeve or thimble 23, attached to the lower ends of rods 14, takes.

In the opening and closing of the bed the rods 14 swing upon the pivotal sockets 22 in the bearings in brackets 20. The sockets 22 and sleeves 23 in their adjustment may form a means of regulating the length of the rods 14 when desired.

In raising and lowering the canopy the thimbles 18 of the couplings 17 turn upon the rod 15, while the thimbles 19 thereof slide upon the rods 9. By means of this construction the co-operation of the various parts of my invention are perfectly adjusted.

The netting is secured to the canopy-top upon the rings 24, which are slipped over the bars 15, 9, and 10. When the canopy-top is raised, the rods 15 and 10 move farther apart than when the top is folded, which causes the netting to be distended and stretched only when the bed is in use.

By doing away with all side pieces or attachments upon the inner sides of the upright portion of the bed-casing I produce an auto-roo

5 matically-folding bed-canopy, in which the tendency of the netting to become caught in the side guides on the bed-frame and thereby tear the same or render the device inoperative is entirely obviated.

10 By making the rod 15 of the raising device the rear frame-bar of the canopy-top I am enabled to have the netting attached or detached from the canopy with great facility, as the rod 15 is lowered when the bed is closed and moves more closely toward the rod 10.

I claim—

15 In a folding bed, an automatically raising and lowering canopy consisting of a raising-frame having vertical bars pivoted to the bed

at the bottom and a horizontal connecting-bar at the top, a canopy-top frame pivoted to the bed-casing, having side bars and a horizontal connecting-bar, and couplings connecting the bars of the raising and canopy frames, 20 within which the side bars of the canopy-frame have a sliding movement and the horizontal bar of the raising-frame has an oscillating movement, substantially as set forth.

In testimony whereof I affix my signature in 25 presence of two witnesses.

ADDISON H. EVA.

Witnesses:

JOHN C. BOAK,

P. R. DELASHMUTT.