

(No Model.)

E. J. WILLINGHAM.
MOSQUITO NET FRAME.

No. 508,072.

Patented Nov. 7, 1893.

FIG. 1.

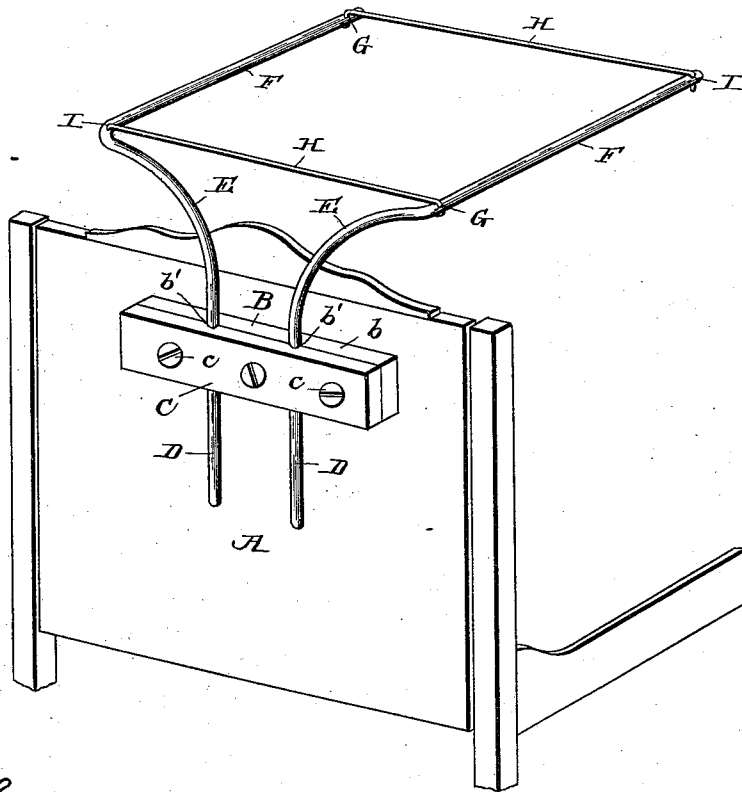


FIG. 2.

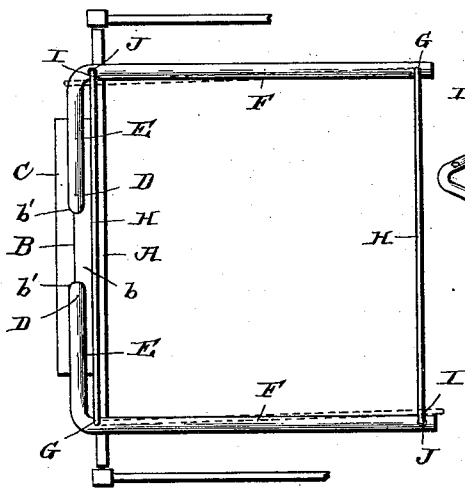
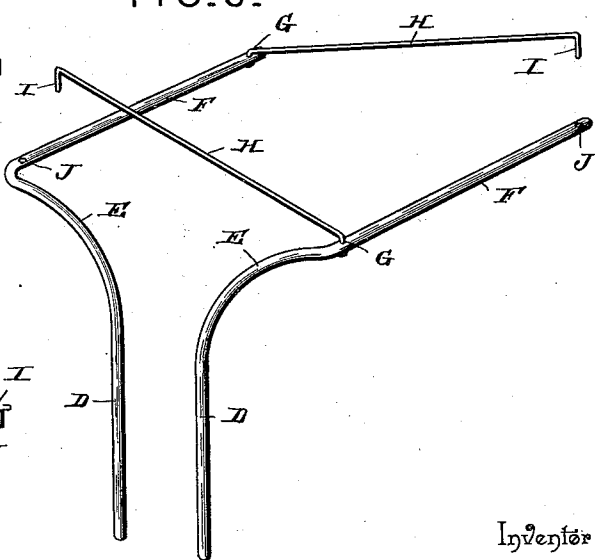


FIG. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

EDWARD JOHN WILLINGHAM, OF MACON, GEORGIA.

MOSQUITO-NET FRAME.

SPECIFICATION forming part of Letters Patent No. 508,072, dated November 7, 1893.

Application filed March 17, 1893. Serial No. 466,502. (No model.)

To all whom it may concern:

Be it known that I, EDWARD JOHN WILLINGHAM, a citizen of the United States, residing at Macon, in the county of Bibb and State of Georgia, have invented a new and useful Mosquito-Net Frame, of which the following is a specification.

This invention relates to mosquito net frames or canopies; and it has for its object to provide certain improvements in frames or canopies for mosquito nets, which while simple in construction and inexpensive, at the same time may be quickly and conveniently put up or detached from the head board of a bedstead.

With these and many other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts hereinafter more fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a perspective view of the head board of a bed having a mosquito net frame or canopy attached thereto as contemplated by this invention. Fig. 2 is a top plan view of the same showing in dotted lines how the frame members or arms may be separated. Fig. 3 is a detail in perspective of the frame or canopy separated, showing the connecting cross arm out of engagement at one end with the frame arms, after detachment or before putting up in position.

Referring to the accompanying drawings, A represents the head board of a bed to which is secured at the rear side thereof the frame clamp B. The frame clamp B, comprises the stationary block *b*, having the rod grooves *b'*, and which grooves are inclosed at one side by the removable clamp block C, held in position by means of the clamping screws *c*, so as to provide means for clamping in their proper position the two upright frame rods D. The upright frame rods D, are wire rods of suitable thickness and are adjusted at their lower ends in the clamp just described, and are provided with upper curved ends E, which turn outwardly from each other so as to dispose the horizontal right angularly disposed frame arms F, parallel to each other. The

frame arms F, which are turned at right angles to the vertical body of the rods D, project beyond the head board A, a suitable distance over the body of the bed so as to accommodate the ordinary mosquito net or canopy thereon, and to each of said arms at one end as at G, is permanently pivoted a swinging cross connecting wire H. The swinging cross connecting wires H, which are permanently and pivotally attached at one end to each of the arms F, are provided at their other ends with hook ends I, which are adapted to detachably engage perforations J, in the opposite frame arm. As clearly illustrated in the drawings, one of the cross wires is pivotally attached at one end to one of the frame arms at one extremity and engages a perforation in the corresponding extremity of the opposite frame arm, while the other cross connecting wire is reversely connected and attached at the other extremities of the frame arms. Now by reason of the specific construction of frame described, it will be readily apparent that while the cross-wires H, give shape to the complete frame and serve to strengthen and brace the frame arms F, apart, at the same time by slipping the free hook ends of such arms out of engagement with the perforations in the frame arms for their reception, the entire frame can be easily and quickly taken down from the head board, or just as easily placed in position thereon. Of course if it was desired, the frame arms could be swung back from over the bed out of position when the cross wires were disconnected, but ordinarily such wires provide a simple construction of frame which is practically composed of but two parts so that the frame is of special utility and especially convenient as a knock-down article. The frame of course can be vertically adjusted in a clamp at the back of the head board as will be readily understood.

From the foregoing it is thought that the construction and many advantages of the herein described mosquito net frame will be apparent to those skilled in the art.

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

A separable mosquito net frame comprising two separated vertical frame wire rods having upper curved ends turned outwardly from each other, and right angularly disposed
5 parallel frame arms extended from the upper terminals thereof and having a perforation in one end, and swinging connecting cross wires permanently pivoted at one end to each of said parallel frame arms at one extremity
10 and having opposite hook ends adapted to detachably engage the perforations in said

frame arms at their other extremities, whereby the cross wires may be swung in and out of position as the frame may be set up or separated, substantially as set forth. 15

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

EDWARD JOHN WILLINGHAM

Witnesses:

V. H. POWERS,

W. S. MATTHEWS.