

(No Model.)

C. T. SEGAR.
BED BOTTOM.

No. 480,789.

Patented Aug. 16, 1892.

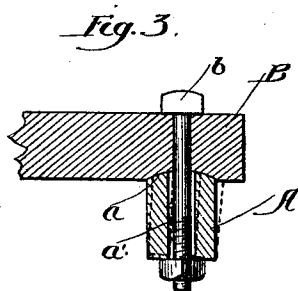
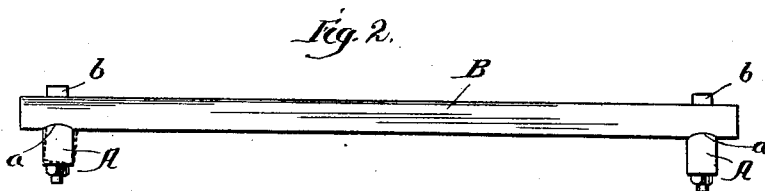
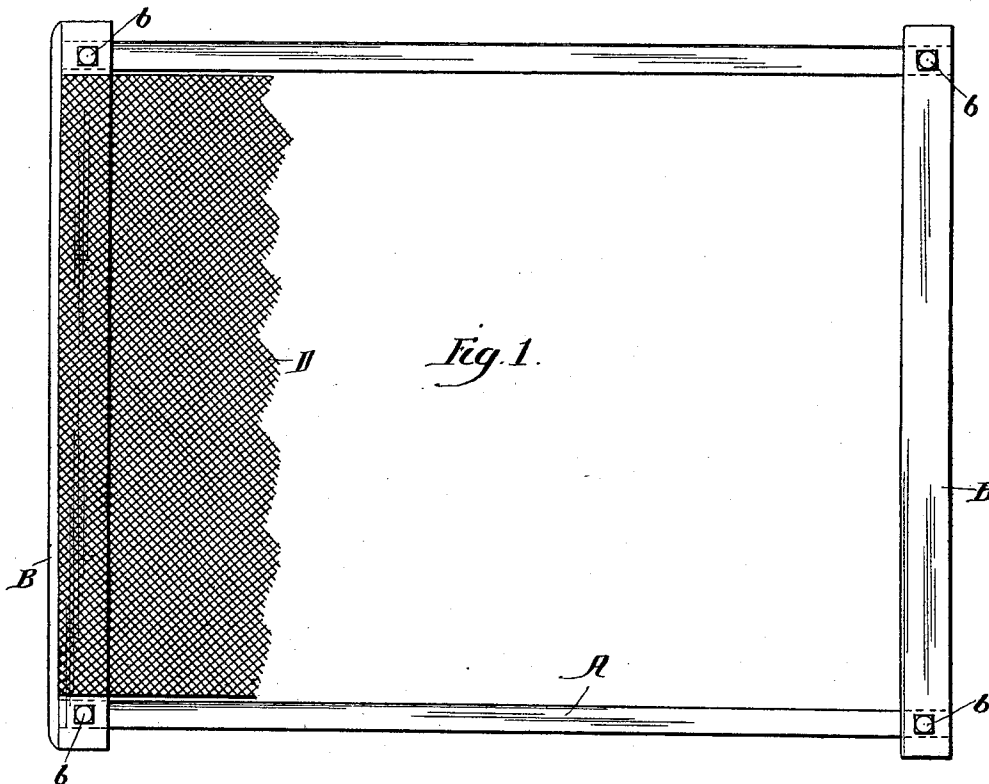
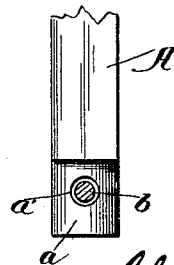


Fig. 4.



Witnesses:
S. B. Hallack.
Wm. R. Griswold Jr.

Inventor
Chas. T. Segar
By Jno. H. Whipple
Attorney

UNITED STATES PATENT OFFICE.

CHARLES T. SEGAR, OF CHICAGO, ILLINOIS.

BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 480,789, dated August 16, 1892.

Application filed February 15, 1892. Serial No. 421,529. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. SEGAR, of Chicago, in the State of Illinois, have invented certain new and useful Improvements in Frames for Bed-Bottoms, of which the following is a specification.

My invention relates to frames for woven-wire bed-bottoms in which the elastic fabric is supported by being secured to the end rails of the frame and drawn sufficiently taut thereon to be supported above the plane of the side rails of the frame. Bed-bottom frames of this class are commonly made of hard wood, and a great difficulty has been experienced in so constructing the frame that it will not warp, and so far as I am informed no effective means has heretofore been produced to obviate the difficulty. I have found that slight warping or twisting of the side rails of the frame when fastened by an unyielding joint to the end rails when thus subjected to the pull of the fabric causes the difficulty; and the object of my improvements is to provide means for obviating the same. This object I attain by the construction of frame as illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of such frame; Fig. 2, an end elevation; Fig. 3, a detail showing a fragment of an enlarged cross-section through one of the corners, and Fig. 4, a detail showing a top view of one of the side rails at the point where the end rail is fitted upon it.

In the drawings, A designates the side rails, and B the end rails, of the frame. The side rails have the top part *a*, where the end rail is fitted, rounded off so that any slight warping or twisting of the body of the side rail may

cause a corresponding turning or twisting of its junction with the cross-rail. The end rails at the junction are correspondingly hollowed and the bolt-holes *a'* in the side rails are made larger than the bolts *b*, by which the parts of the frame are connected, to have considerable play in order that such turning of the side rails at the joints of the frame may not be interfered with. When the parts of the frame are otherwise connected, as by a bolt passing through the rails at the corners, holding two flat surfaces firmly together, the slight warping of either of the side rails will throw the end rails out of plane, so that the bed-bottom cannot be made to lie flat upon a plane surface, and when this occurs, as it frequently does despite the utmost care in manufacture, the article is worthless; but by constructing the joint between the rails in the manner here shown, so that the side rails can slide at the joint on the end rails to correspond with any twist caused by warping thereof after the frame is made, entirely obviates this difficulty.

Having thus described my invention, what I claim is—

As an improvement in frames for woven-wire bed-bottoms, the side rails and superimposed end rails having their impinging surfaces formed on a curve transversely of the side rails and secured by a bolt passing through a hole in the end rail of greater diameter than that of the bolt, allowing play of the bolt, for the purpose specified.

CHARLES T. SEGAR.

Witnesses:

WM. R. GRISWOLD, Jr.,
JNO. H. WHIPPLE.