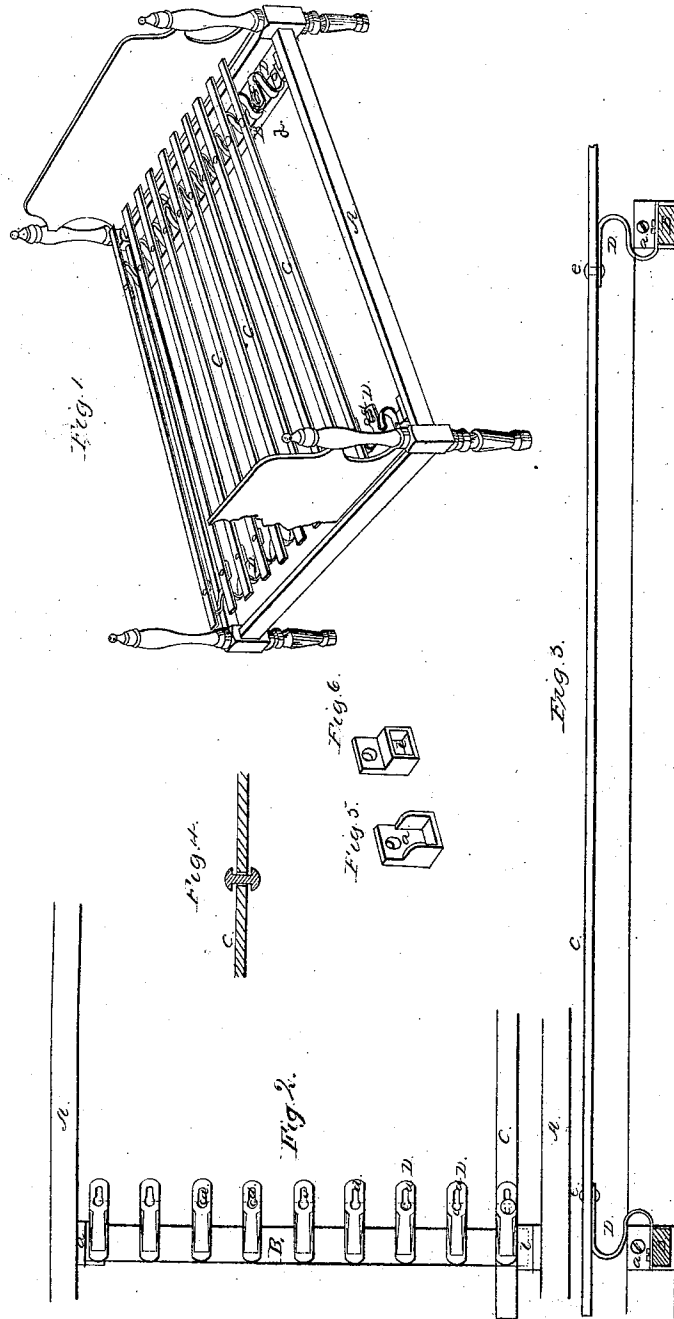


L. B. Tinkham,

Bed Bottom,

N^o 23,813,

Patented Apr. 26, 1859.



witnesses.
E. J. Sherman.
J. R. French.

Inventor
Leonard B. Tinkham.

UNITED STATES PATENT OFFICE.

LEONARD B. TINKHAM, OF LAWRENCE, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND CHARLES RYAN, OF SAME PLACE.

BED-BOTTOM.

Specification of Letters Patent No. 23,813, dated April 26, 1859.

To all whom it may concern:

Be it known that I, LEONARD B. TINKHAM, of Lawrence, in the county of Essex and State of Massachusetts, have invented
5 an Improvement in Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference
10 marked thereon.

Figure 1, shows a perspective view of the bedstead complete, with one of the slats removed to exhibit the springs. Fig. 2, is a plan view of one of the rails holding the
15 springs. Fig. 3, is a side view of the same showing a section of the rails. Fig. 4, is a sectional end of the slat showing the rivet. Figs. 5 and 6, represent the iron stirrup for supporting the rails in the bedstead.

20 The nature of my invention consists in providing the side rails of a bedstead with iron stirrups so that the cross rails may be taken out and replaced with facility, at the same time saving the necessity of mortising
25 out the side rails for supporting the cross rails and also by this arrangement making perfectly tight joints, which is a great desideratum in bedsteads, in order to leave no room for vermin. Also in arranging
30 the bedstead bottom so that the slats will be supported upon springs, and be readily attached and detached and reversed or turned over when they have become bent
35 by long use,—described, represented and specified as follows:

A, represents the side rails of the bedstead, on the inner face of which are screwed, at suitable points, cast iron stirrups *a*, *b*, shown by Figs. 5 and 6. The
40 stirrups or tenon boxes *b b* are placed on one rail as shown by Fig. 2, and the stirrups *a*, *a*, are placed directly opposite on the other rail. The ends of the cross bars B, are tenoned so as to fit tightly in these stirrups, and by having the stirrups *a*, made as

shown by Fig. 5, both rails and slats can be readily removed from the bedstead by raising the ends out of this stirrup and drawing the opposite ends out of the tenon boxes *b b*. The object of this provision is for the purpose of removing the entire bed-bottom
50 without the trouble of detaching the slats, in cleaning the bedstead, and also by the use of this arrangement the bed-bottom has only four points of support and consequently less liability for the bedstead to get
55 infected with vermin.

The slats C, rest upon S-shaped springs D, secured to the cross bars B, and proceeding from these bars above the side rails A. These springs have an eye hole *c*, terminating in a slot *d*, which receives the neck of a
60 movable rivet *e*, placed near the ends of each slat C. The slats are placed on the springs D, by inserting the head of the rivet through the eye *c*, and drawing the neck into the slot *d* the rivet on the opposite
65 end is inserted in a similar manner by pressing the spring and allowing it to spring back, this keeps the necks of the rivets within the slots and the slots securely fixed to the springs. In case the slats should be
70 bent by use, they are turned over and the rivets having a play in the slots as shown by Fig. 4, are attached to the springs as
75 above described.

What I claim as new and desire to secure by Letters Patent, is,

The combination of S-formed springs arranged so as to receive the movable rivet and retain the slats in place, with bars B, and stirrups *a*, *b*, when the same are arranged
80 substantially for the purposes and in the manner herein above specified.

LEONARD B. TINKHAM.

Witnesses:

E. J. SHERMAN,
JOS. R. FRENCH.