

F. M. COMSTOCK, R. P. & O. S. LUPTON.
Spring Bed-Bottoms.

No. 154,124.

Patented Aug. 18, 1874.

Fig. 1.

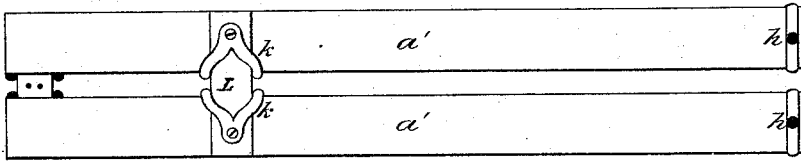


Fig. 2.

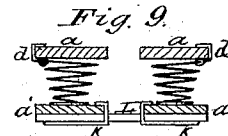
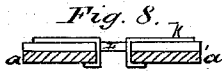
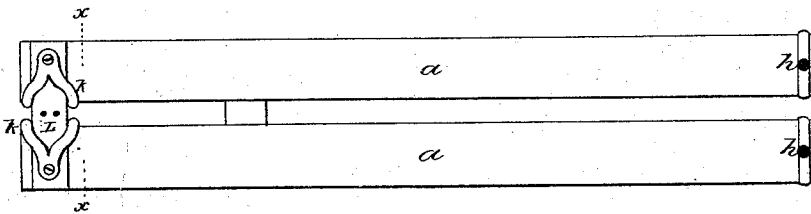


Fig. 3.

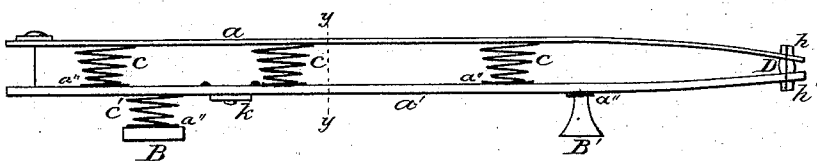


Fig. 4.

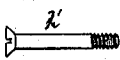


Fig. 5.

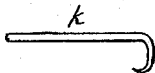


Fig. 6.

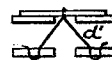


Fig. 7.



Witnesses:

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per Atty.

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UNITED STATES PATENT OFFICE.

FRANCIS M. COMSTOCK, RICHARD P. LUPTON, AND OLIVER S. LUPTON, OF
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IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **154,124**, dated August 18, 1874; application filed
September 3, 1873.

To all whom it may concern :

Be it known that we, FRANCIS M. COMSTOCK, RICHARD P. LUPTON, and OLIVER S. LUPTON, all residents of the city of Minneapolis, county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Spring Bed-Bottoms, of which the following is a specification:

This invention relates to that class of bed-bottoms wherein a series of spiral springs are used, in connection with wooden slats. The slats are united at both ends, and springs placed between them. Two sets of slats thus prepared are united by clamp devices and called a section, two or more sections forming the bed-bottom proper. The following is a full and clear description thereof.

Figure 1 is a bottom view; Fig. 2, a top view; Fig. 3, a side view; and Figs. 4, 5, 6, 7, 8, and 9, detail views.

The same letters of reference are used in the designation of identical parts.

Letter *a* shows the upper slat or slats, and letter *a'* the lower ones. These slats are made of pine or other wood, the upper ones being but one-half the thickness of the lower ones, that more elasticity may be obtained without reducing the strength. The slat *a*, Fig. 3, is placed immediately over *a'*, and attached thereto by the clamps *h* and screw *h'* at the foot, and at the head by the string or rope *d'*, passing through the cross-slats *L*, as shown in the detail, Fig. 6. When the slats are so fastened, three springs, *c c c*, are placed between them, equidistant apart, as shown, Fig. 3, said springs being fastened to the upper slat by means of the clutch *d*, (see Fig. 9.) The small end of the clutch is passed around the last coil of the spring, and the large end over the edge of the slat, the spring in the coil of the

spring proper holding the clutches firmly in place. Immediately under the small ends of the springs *c*, and upon the slats *a'*, is placed a disk of rubber, *a''*, which prevents the action of the springs from making a noise. Fastened at its smallest end to the cross-bar *B*, by any convenient means, and at its largest end, by means of the clutch, Fig. 7, to the lower slat *a'*, is the spring *c'*, the operation of said spring giving great elasticity, without loss of strength, to the bed as a whole. Letter *B'* is the foot-supporting cross-bar, being a part of the bedstead, upon the upper edge of which rubber *a''* is placed, to prevent the working of the slats from making a noise. Letter *k* is a clamp—a side view of which is shown at Fig. 5—which, by means of the thin piece of wood *L*, forms two properly-arranged slats into a section. Letter *D*, Fig. 3, is a piece of wood used to separate the foot ends of the slats, said piece being oval or rounding upon its upper edge, with straight sides and level bottom, the screw-bolt *h'*, Fig. 4, passing through its center and holding it in place. Upon its upper side is placed a piece of rubber, to prevent noise and allow action.

Having thus described our invention, what we claim, and want to secure by Letters Patent, is—

A spring bed-bottom, consisting of the slats *a a'*, springs *c c* and *c'*, cross-bars *B B'*, blocks *D*, clamps *k*, and short slats *L*, combined and operating substantially as set forth.

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Witnesses:

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