

C. H. DUNKS.
Spring Bed-Bottoms.

No. 142,377.

Patented September 2, 1873.

Fig. 1.

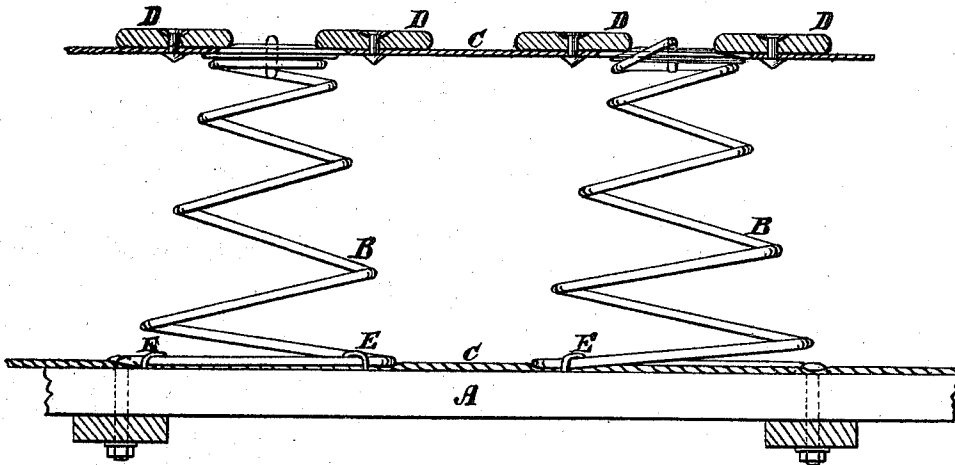
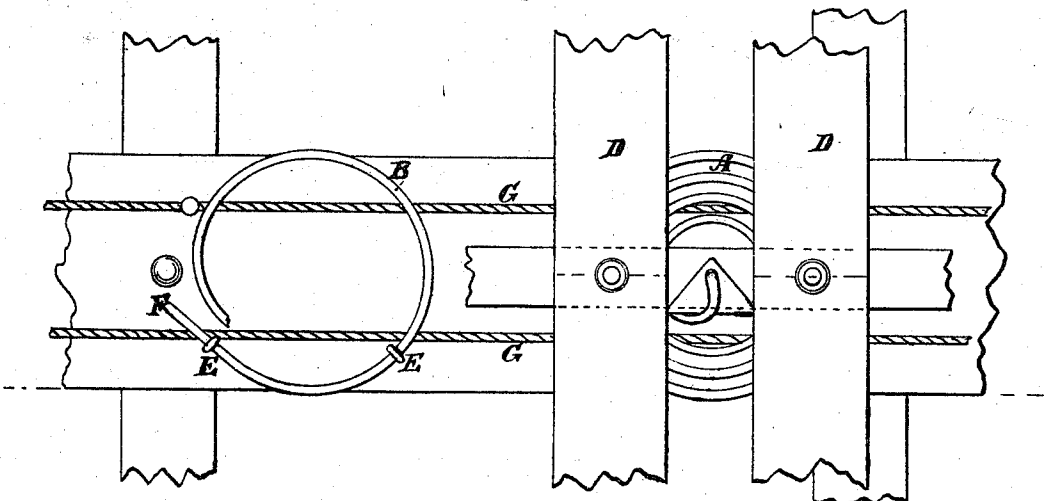


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **142,377**, dated September 2, 1873; application filed June 7, 1873.

To all whom it may concern:

Be it known that I, CHARLES H. DUNKS, of the city, county, and State of New York, have invented a new and Improved Spring Bed-Bottom, of which the following is a specification:

The invention consists in the improvement of bed-bottoms, as hereinafter fully described and pointed out in the claim.

Figure 1 is a cross-section of a portion of a spring bed-bottom constructed according to my invention, and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A represents the lower transverse bars, whereon the coiled springs B rest. C represents thin steel transverse springs mounted on the top of the springs, and D represents the longitudinal top slats. The springs I secure to the cross-bars A by nailing a portion of the lower coil with, say, two staples, E, in connection with the driving of the end of the spring itself into the wood about an inch, more or less, as at F, the end portion for about that length being bent at right angles for the purpose. This is cheaper than the common way of knotting the end to the coil, as they are commonly arranged, and the fastening is stronger. G represents the strings which I use to cushion the springs; they are stretched along the cross-bars from end to end, fastened

thereat, and arranged at such distance apart that the lower coils rest on them at three different points, and strike at a fourth when pressed down, and thus prevent contact of any part with the wood so as to rub and make a noise.

The relative arrangement of the longitudinal slats D with the coiled springs is clearly shown in Fig. 1, in which it will be observed that two slats are arranged to each spring over the sides, so that the thin cross-strips of steel will not be bent between them and the top of the spring, and the slats are permanently attached to the cross-slats by rivets, which makes the bottom much more durable than when detachably connected.

I am aware rubber plates or blocks have been heretofore employed to cushion the springs of a bed-bottom.

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

The combination in a bed-bottom, with longitudinal slats D, of transverse plate-springs C, supported upon coiled springs B, arranged between the slats, as and for the purpose described.

C. H. DUNKS.

Witnesses:

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