

A. H. Fratzinger,

Bed Bottom.

No. 107,348.

Patented Sep. 13. 1870.

Fig. 1.

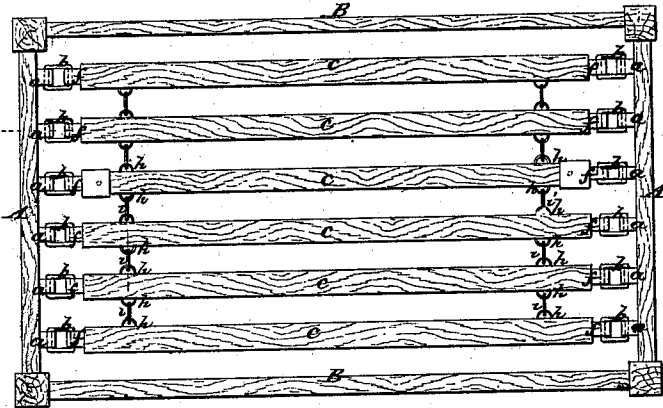


Fig. 2.

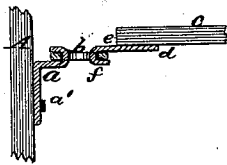


Fig. 3.



Fig. 4.

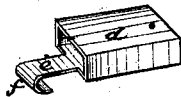


Fig. 5.



Witnesses.
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ALEXANDER HAMILTON FATZINGER, OF NEW YORK, N. Y.

Letters Patent No. 107,348, dated September 13, 1870.

IMPROVED SPRING-BED BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALEXANDER HAMILTON FATZINGER, of the city, county, and State of New York, have invented a new and improved Spring-Bed Bottom; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The object of this invention is to obtain a spring-bed bottom of simple and economical construction, which will be capable of being readily repaired by any one of ordinary ability, without the aid of a mechanic, as for instance, in case of the breaking of a slat, and one which will possess the necessary degree of elasticity, so as to conform to the movements of the person reposing thereon.

In the accompanying drawing—

Figure 1 is a plan or top view of my invention.

Figure 2, a longitudinal section of a portion of the same, taken in the line *x x*, fig. 1.

Figure 3, a transverse section of a portion of the same, taken in the line *y y*, fig. 1.

Figure 4, a detached perspective view of a collar pertaining to the same.

Figure 5, a longitudinal central section of fig. 5, with one end of a slat adjusted therein.

Similar letters of reference indicate corresponding parts.

A represents the head and foot-rails, and

B, the side rails of a bedstead.

These parts, being of ordinary construction, do not require any special description.

To the inner surfaces of the head and foot rails A there are secured, by screws *a*, cast-metal hooks *a*, shown more particularly in fig. 2.

These hooks have a flat form, or have sufficient breadth, so that they will not cut or chafe India-rubber rings or loops *b*, which are placed on or over them, to sustain the slats *c* of the bed-bottom.

The slats *c* are made of wood, (spruce would probably be the preferable material,) and they may be of any suitable width and thickness.

These slats are connected to the hooks *a* in the following manner:

On the ends of the slats are fitted cast-metal col-

lars *d*, and these collars are cast with projections *e* at their lower sides, each projection having a hook, *f*, at its outer end, turning downward, as shown clearly in fig. 4.

The collars have each a hole made through them, near their rear ends, through which holes screws *g* pass, to secure the collars on the slats, (see fig. 5.)

The India-rubber rings or loops *b* are fitted on or over the hooks *f*, as shown clearly in fig. 2.

Each slat *c* has eyes or staples *h* driven into it, one at each side. These eyes or staples are near the ends of the slats, and are for the purpose of receiving hooks *i*, which connect the several slats together, as shown clearly in fig. 1.

The advantages attending this construction are as follows:

By having the ends of the slats inserted in collars *d*, the former may be readily secured to the bedstead and removed therefrom, and it is not necessary to be very particular as regards the precise length of a slat, as the collars admit of quite a material difference in the length of the former; for instance, the slat may extend entirely through its collars, or only part way through it; so long as the screws *g* pass through it, (the slat,) it is sufficient.

The hook-and-eye connection for the slats admits of an individual slat being removed, without disturbing the others. This is a very great convenience in inserting a slat, to replace a broken one.

Almost all of the spring-bed bottoms which are in common use, have their slats connected by transverse cords or bands, but, so far I am aware, none have been so arranged as to admit of an individual removal of the slats.

Having thus described my invention,

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

The combination of the hooks *a*, secured to the inner surfaces of the head and foot-rails A, the collars *d* on the slats *c*, with the hooks *f* attached or cast with them, and the India-rubber rings or loops *b*, all constructed and arranged substantially as and for the purpose set forth.

Witnesses:

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