B. F. Ells,

Bed Bottom.

No. 100,385. Patented Mar. 1. 1870.

Fig. 1.

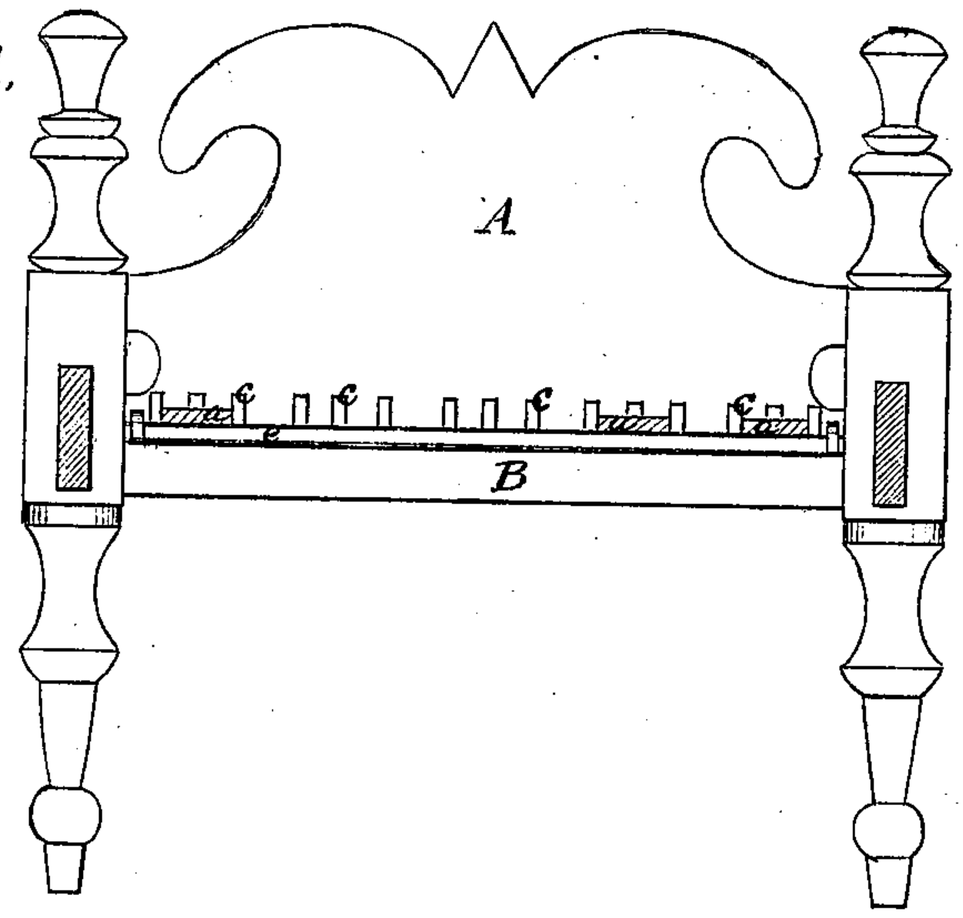


Fig. 2.

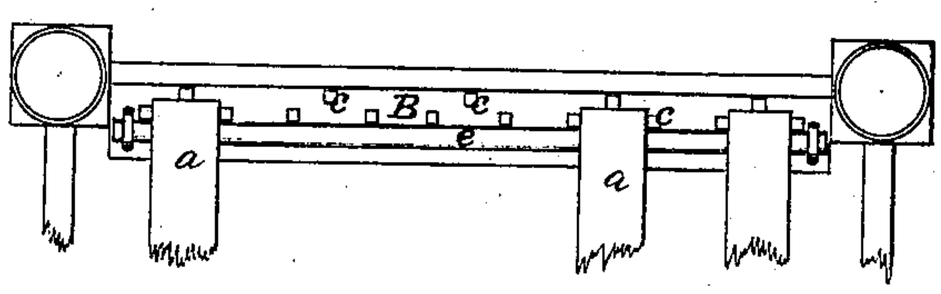
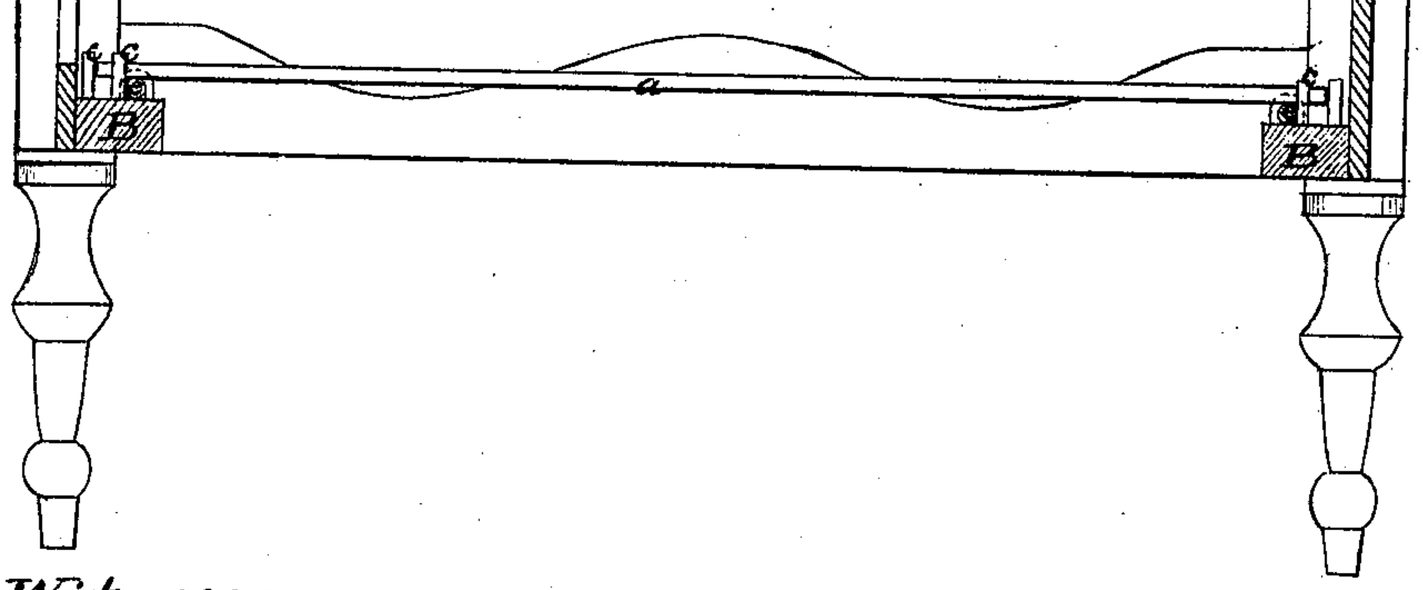


Fig. 3.



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BENJAMIN F. ELLS, OF DAYTON, OHIO.

Letters Patent No. 100,385, *dated March* 1, 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, BENJAMIN F. ELLS, of Dayton, in the county of Montgomery, and State of Ohio, have invented a new and valuable Improvement in Spring-Bed Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a front view of my invention.

Figure 2 is a top view of the same.

Figure 3 is a central vertical section.

My invention relates to spring-bed bottoms, and consists mainly in providing anti-friction bearings for the ends of the slats.

The letter A of the drawings, designates the bedstead.

B, the supporting-bar arranged across the bottom of the head-board.

Three upright pins, *c c*, are driven into the bar B, to support the end of each slat *a*. A similar arrangement at the foot is designed to support the other ends of the slats. The middle pin in each set of three prevents the slat from moving endwise, while the other two pins, being arranged on each side, prevent lateral motion.

The slats *a a* rest upon the bearing-rod *e*, secured to the upper side of the bar B by means of staples or other fastenings. The bearing-rod *e* is made of iron, and has a smooth round surface. The ends of the bed-slats are usually dipped in boiled oil, and hence the friction of these ends against the iron rod is very small. Hence, the elasticity of the slats is free to act with its full force. Thicker boards may be employed, and sagging thus prevented.

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

The combination of the bed-slats *a*, bearing-rods G, and stay-rails *c*, as described, as and for the purposes specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

B. F. ELLS.

Witnesses:

JNO. R. WYCKOFF,

R. EMERSON.