

P. W. Kniskern,

Bed Bottom.

No. 96,706.

Patented Nov. 9. 1869.

Fig: 1.

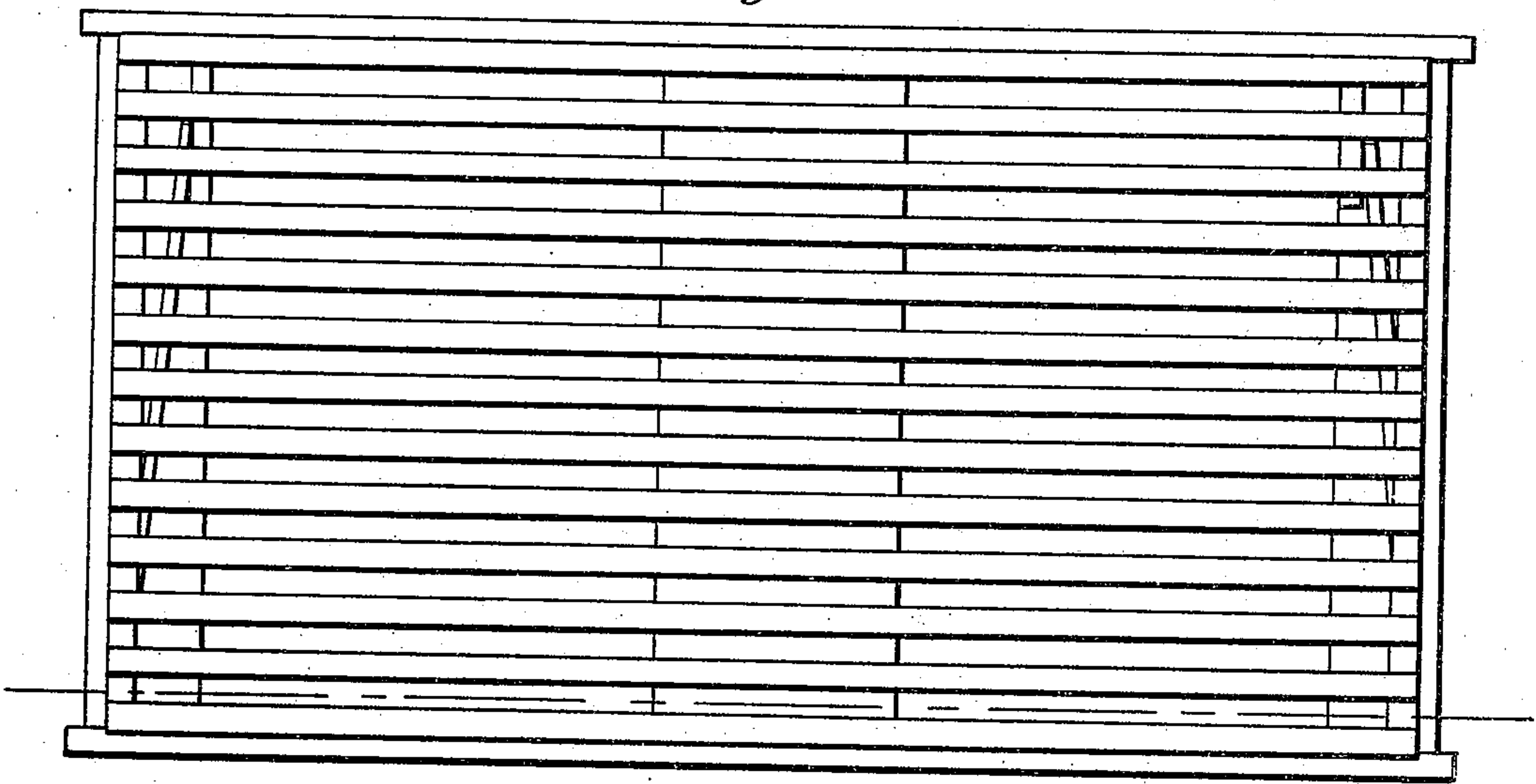
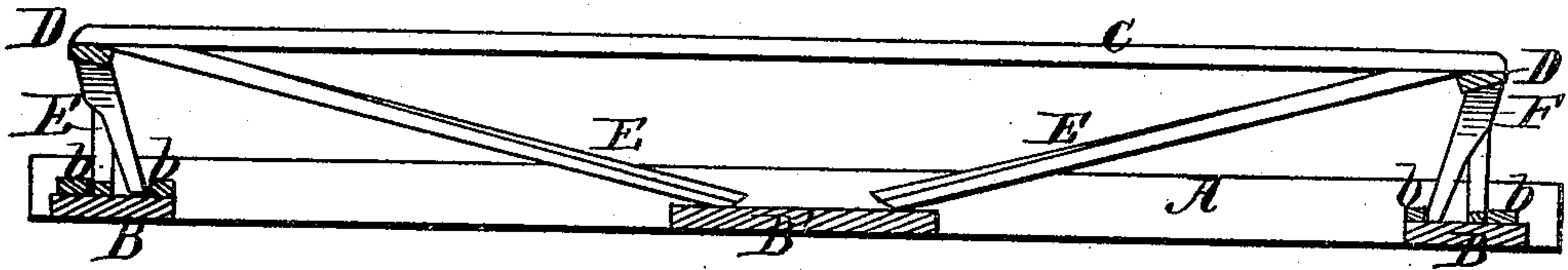


Fig: 2.



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Letters Patent, No. 96,706, dated November 9, 1869.

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, PETER W. KNISKERN, of Fort Smith, in the county of Sebastian, and State of Arkansas, have invented a new and improved Spring-Bed Bottom; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in spring-bed bottoms, the object of which is to provide an improved spring-bed bottom, and to construct the same wholly or mostly of wood, and in a simple and inexpensive manner.

Figure 1 represents a plan view of my improved bed-bottom, and

Figure 2 represents a longitudinal section of the same.

Similar letters of reference indicate corresponding parts.

I provide a rectangular frame, composed of two side-pieces, A, of light wood, two transverse bars, B, at the ends, and a broad transverse bar, B', at the centre.

The two end-pieces B are provided with ribs *b* on each upper edge.

C represents the slats commonly used, which, according to my improvements, are united at the ends to the cross-bars D, at each end common to all, and each longitudinal bar or slat C is provided with springs E at each end, rigidly secured thereto at the under side, and diverging from the said ends in the vertical plane of the said slats, as clearly shown in fig. 2.

The inner ends of these springs nearly meet at or near a point below the centre of the slats, in a manner to rest on the broad central bar B', whereby the frame, composed of the slats C and cross-bars D, will be supported considerably above the rectangular frame by

the said springs, affording a very elastic support for a bed.

Other springs, F, may be similarly secured under the four corners of the said elastic frame, running transversely thereof, and resting at their lower ends on the transverse bars B, between the rods *b*, the two springs of each end passing each other.

These latter springs, besides giving additional support to the end, serve to prevent the sides from yielding too much in case the load rests near the sides.

The ends of the bars C may be strengthened, in their connection with the bars B, by metal, leather, or other bands or binding-strips, if desired.

The connection of the ends of the bars C with the springs is such that pressure thereon tends to cause the bars C to bow upward between the ends, thereby counteracting the natural tendency of the said bars C, when unsupported in the middle, to spring downward.

The result of this arrangement is to maintain the bars C in a level or nearly level condition, no matter how great the load may be, thereby constituting a much more desirable bed-bottom than many which yield in the centre.

Having thus described my invention,

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

The spring-bed bottom, consisting of the spring-bars C and transverse end bars D, supported upon the frame A B B by means of the crossed end springs E, resting with their free ends upon the boards B', and the springs E resting with their inner ends upon the central board B', all arranged as described for the purpose specified.

The above specification of my invention signed by me.

Witnesses: PETER W. KNISKERN.
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