

A. Knepper, Bed Bottom

No. 93,096.

Patented July 27, 1869.

Fig. 1.

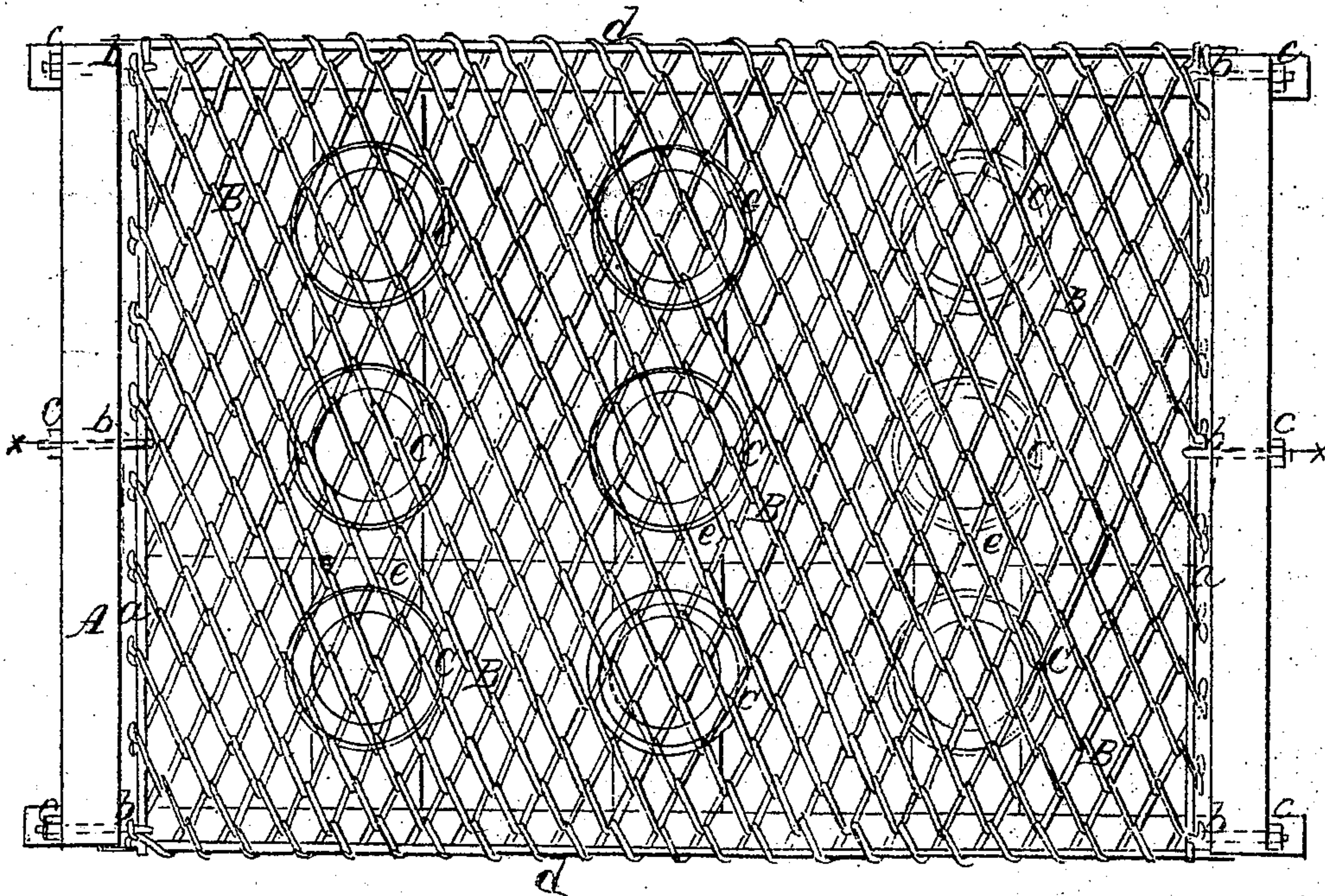
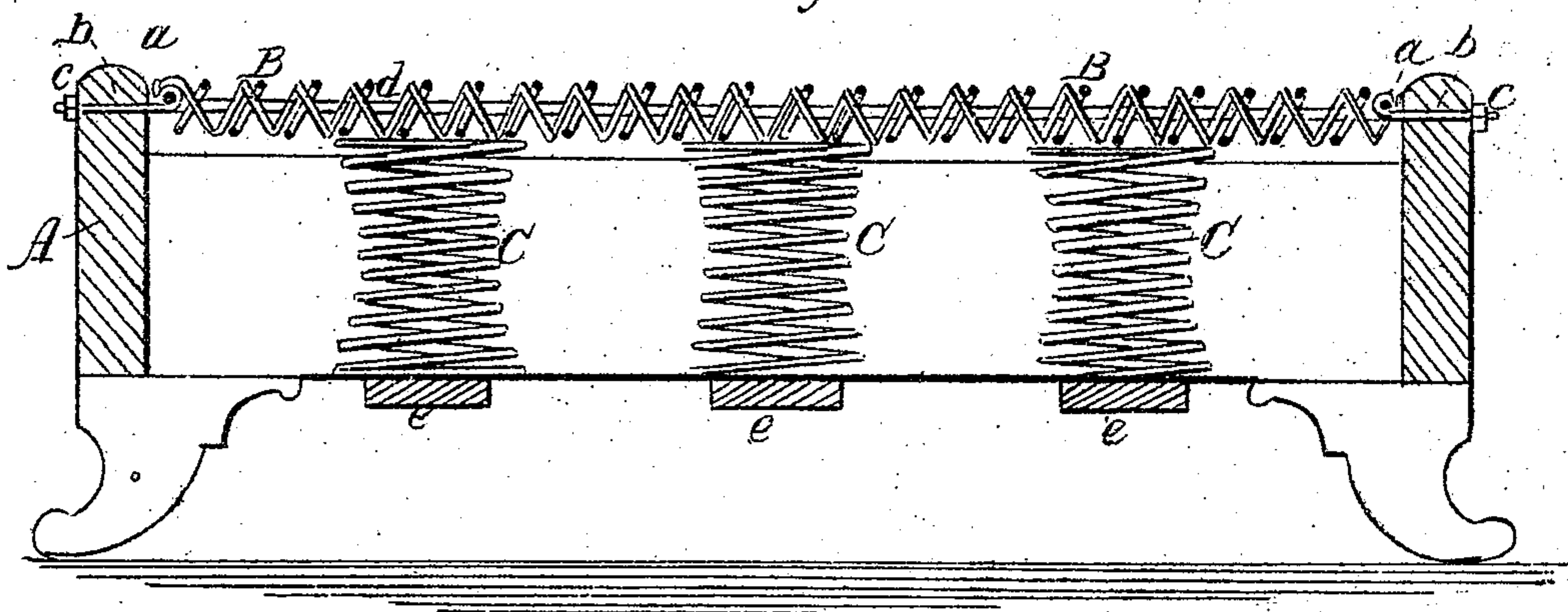


Fig. 2.



Witnesses:
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IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 93,096, dated July 27, 1869.

To all whom it may concern:

Be it known that I, ALOIS KNEPPLER, of East New York, in the county of Kings and State of New York, have invented a new and Improved Spring Bed-Bottom; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which drawings—

Figure 1 represents a plan or top view of this invention. Fig. 2 is a longitudinal vertical section of the same, the line *x x*, Fig. 1, indicating the plane of section.

Similar letters indicate corresponding parts.

This invention relates to a spring bed-bottom constructed of a series of spiral springs which are interwoven, and the ends of which are secured to traverses connected to tension-screws which pass through the head and foot pieces of the frame containing said bottom, in such a manner that a uniform tension is produced throughout the entire spring-bottom and the permanent and unequal sagging down of the bed-bottom, when the same is exposed to a long-continuous pressure in one spot, is effectually prevented. With the interwoven spiral springs I have also combined a series of conical coiled springs for the purpose of increasing the supporting power of the bed-bottom.

In the drawings, the letter A designates a frame, made of wood or any other material,

of convenient size to be introduced into an ordinary bedstead; or it may be provided with legs and be used in place of the bedstead. Between the end pieces of said frame extends a series of spiral springs, B, which are interwoven, as clearly shown in Fig. 1 of the drawings, their ends being hung on rods *a*, which are situated close to the end pieces of the frame and supported by hooks or eyebolts *b*, extending through the end pieces and provided with nuts *c*, so that by turning these nuts the tension of the whole series of springs can be increased or decreased without difficulty and in a very short time. The end pieces of the frame A are connected by rods *d*, which extend through the first and last springs and serve to increase the supporting power of the bed-bottom. The springs B are supported by a series of conical springs, C, which are fastened to the cross-rails *e* of the frame A, as shown. The number of these springs may be increased to any desired extent, according to the desired supporting power of the bed-bottom.

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

The conical springs C, in combination with the interwoven spiral springs B, cross-rods *a*, hook or eyebolts *b*, and frame A, substantially as set forth.

ALOIS KNEPPLER.

Witnesses:

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