

(No Model.)

G. & A. KEENHOLTS.

SPRING BED BOTTOM.

No. 270,811.

Patented Jan. 16, 1883.

Fig. 1.

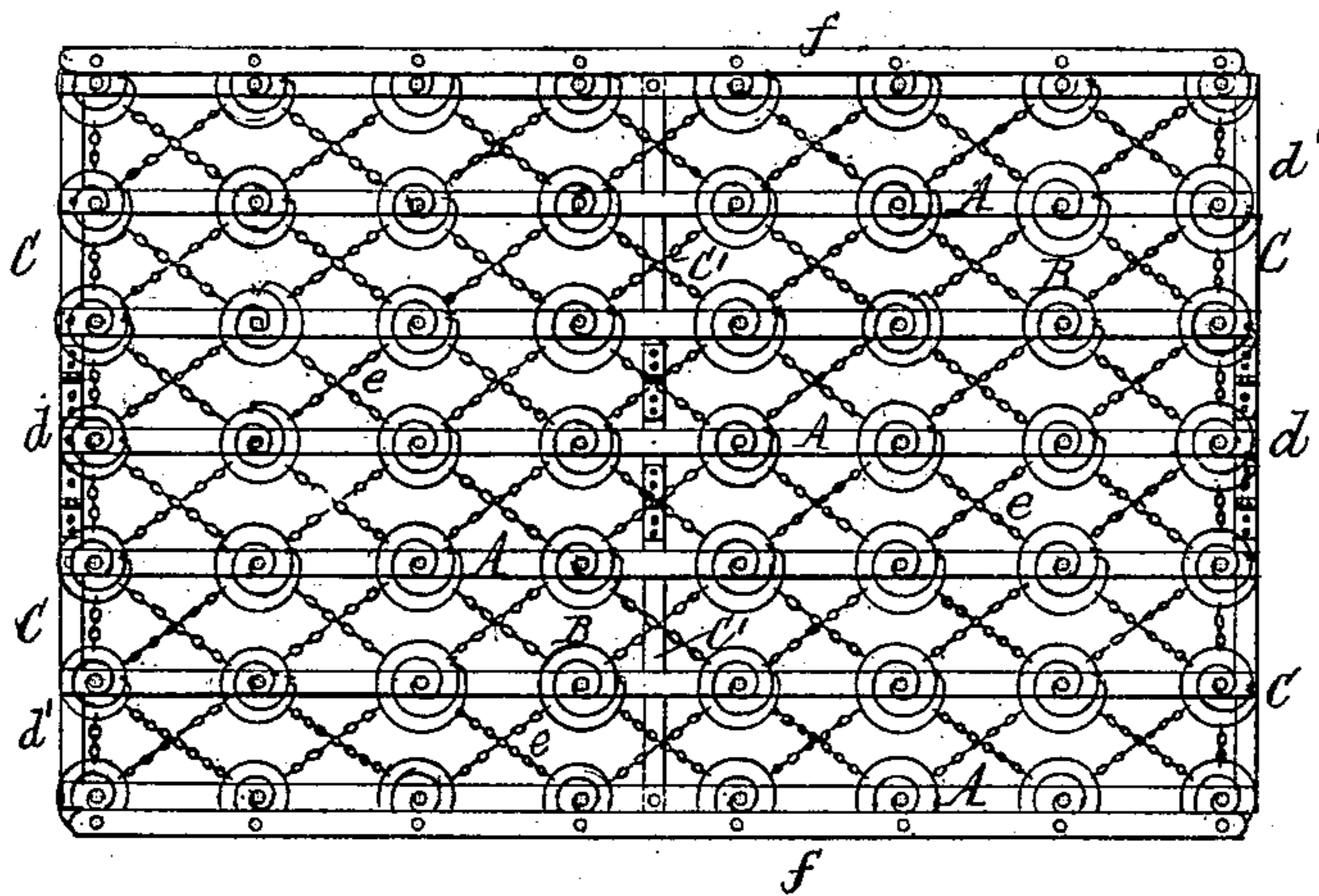


Fig. 2.

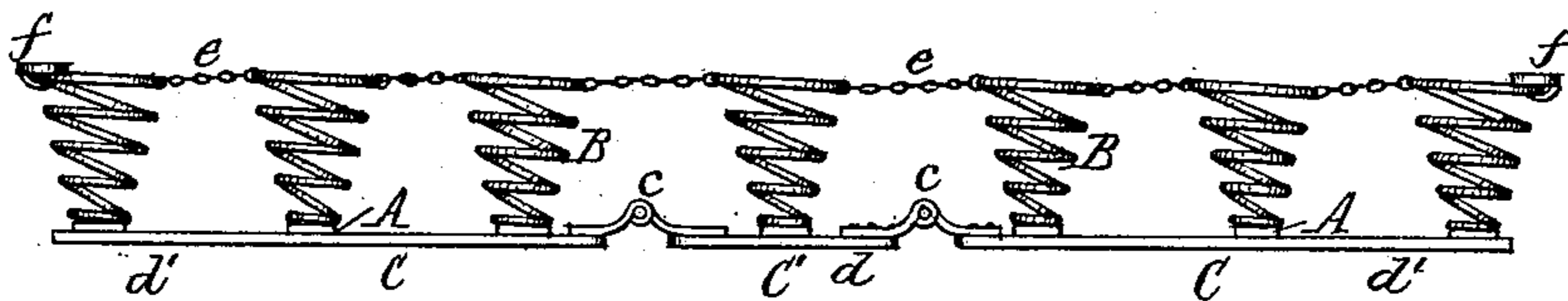


Fig. 3.

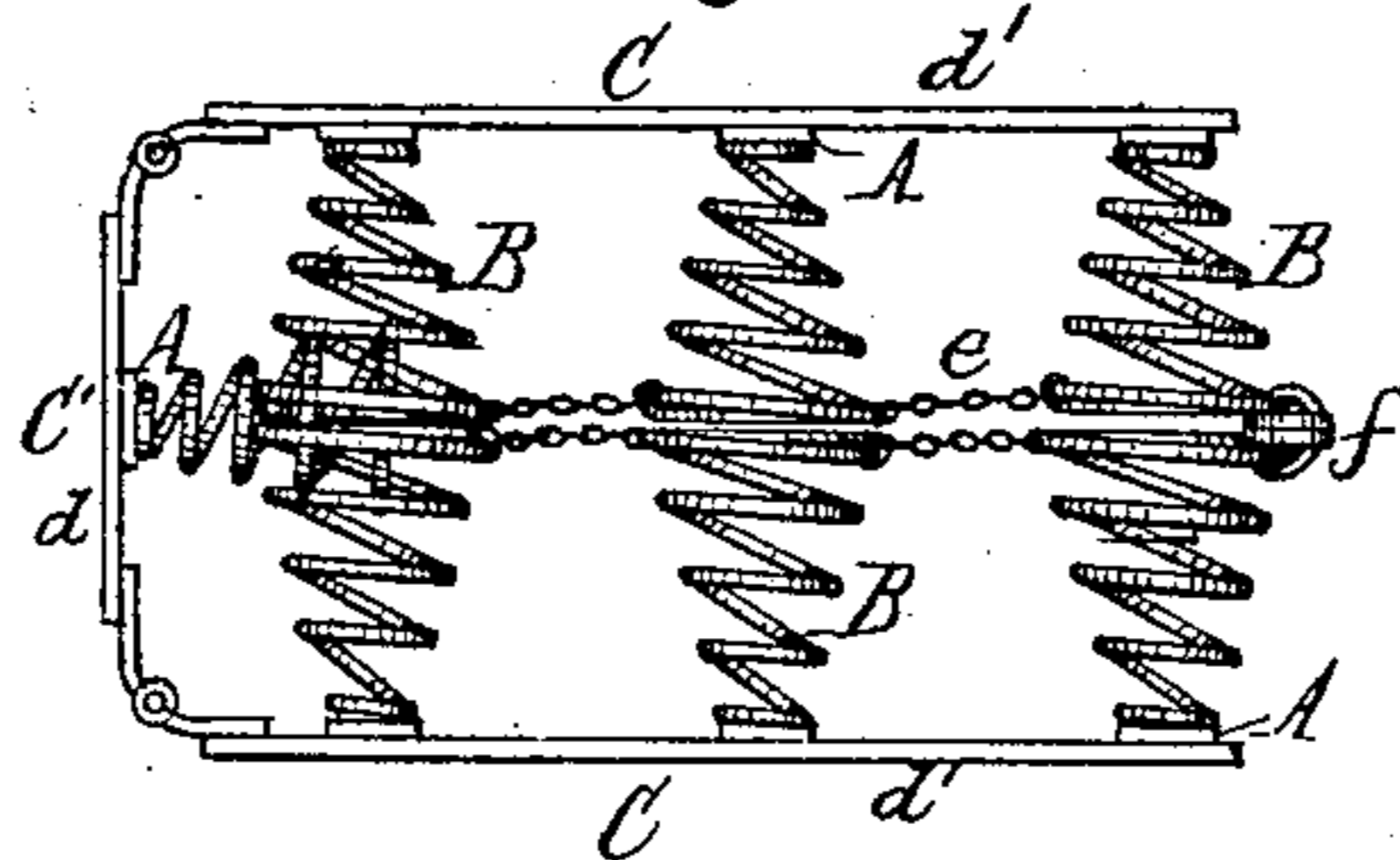
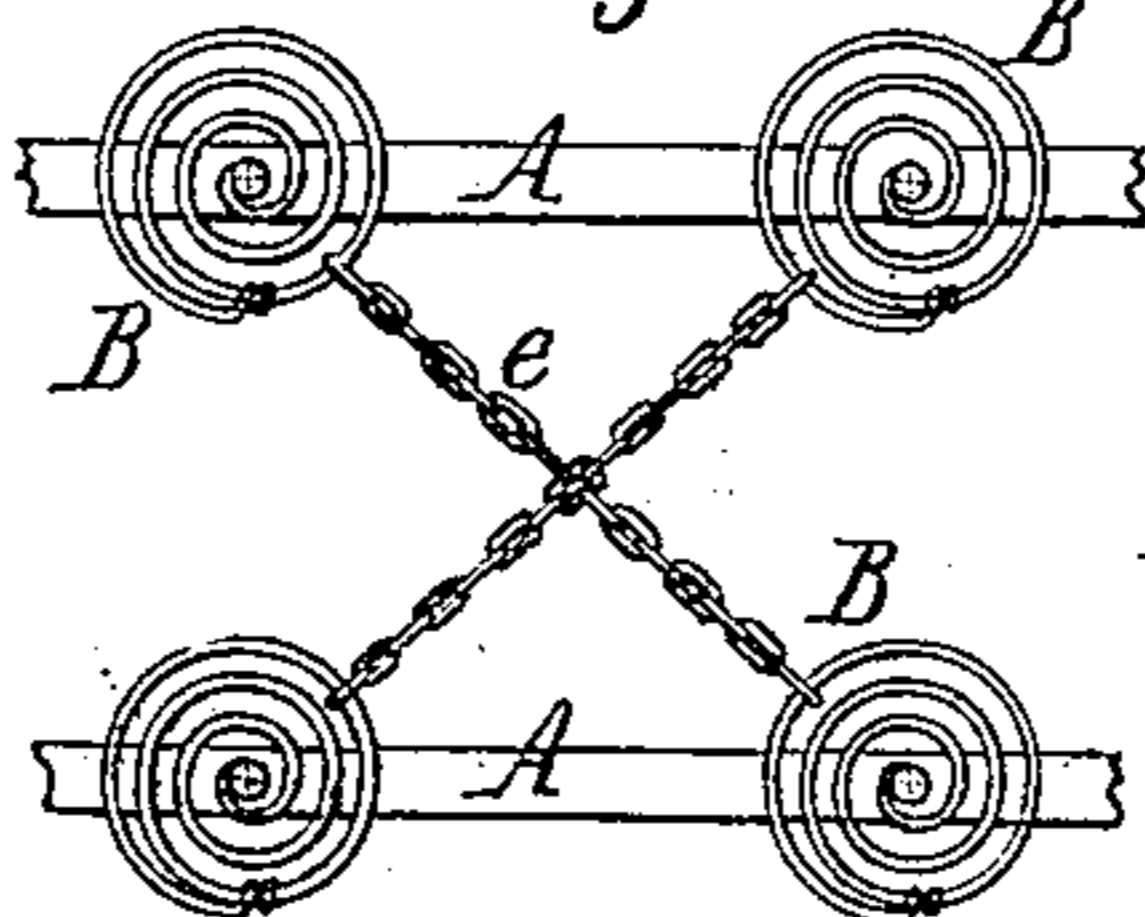


Fig. 4.



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GEORGE KEENHOLTS AND ADDISON KEENHOLTS, OF BUFFALO, N. Y.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 270,811, dated January 16, 1883.

Application filed July 24, 1882. (No model.)

To all whom it may concern:

Be it known that we, GEORGE KEENHOLTS and ADDISON KEENHOLTS, of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Spring Bed-Bottoms of which the following is a specification.

This invention relates to that class of spring bed-bottoms which are composed of several sections hinged together, so that the bottom can be folded together when it is required to be transported from place to place.

The object of this invention is to construct a folding spring bed-bottom so that it can be neatly and compactly folded, and so that it will furnish an even support for the mattress which is placed on the spring bed-bottom.

Our invention consists of the peculiar construction of the spring bed-bottom, as herein- after fully set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 represents a top plan view of our improved bed-bottom. Fig. 2 is an end view thereof. Fig. 3 is a similar view, showing the bottom folded. Fig. 4 is a detached view of some of the springs, on an enlarged scale, illustrating the manner of connecting the springs.

Like letters of reference refer to like parts in the several figures.

A represents the longitudinal slats of the bed-bottom, which are preferably constructed of stiff iron bars, and B are the spiral springs, secured with their narrow lower ends to the slats A. The springs B are arranged in rows parallel with the sides and ends of the bed-bottom, as clearly shown in Fig. 1, whereby an even support for the mattress is furnished over the entire extent of the bed-bottom, as no spaces of undue width are formed between the springs along the sides or ends of the bed-bottom, which is unavoidable when the springs are arranged in diagonal rows, and which cause the mattress resting on the bed-bottom to drop down or become depressed into these spaces.

C represent cross-bars arranged at right angles to the slats A and secured to their lower sides near their ends, and C' represents a similar cross-bar, secured underneath the slats A centrally between the cross-bars C. Each of the cross-bars C C' is composed of three sections hinged together, as shown at *c*. The central section, *d*, of each cross-bar is comparatively short, and is secured to the central

slat, A, only, while each outer section, *d'*, of the cross-bars connects all the slats on one side of the central slat. The bolts of the hinges *c* are arranged above the cross-bars C C', and the leaves of the hinges are curved to enable the sections to fold squarely together, as represented in Fig. 3. The upper free ends of the springs B are connected by chains *e*, which extend diagonally between the springs, and which are linked together or otherwise attached to each other where they cross each other, whereby the chains are prevented from becoming entangled, and whereby a firmer support is obtained for the mattress.

ff represent bars, which are secured to the upper ends of the springs along the sides of the bed-bottom, and which serve to stiffen the edge of the latter and prevent the springs from being bent backward.

In folding our improved bed-bottom, the springs secured to the outer sections fold with their upper enlarged ends against each other, and the connecting central section stands at right angles to the outer sections, and the springs attached thereto fold into the open ends of the adjacent springs of the outer sections, as clearly represented in Fig. 3. The bars *f* rest against each other when the bed-bottom is folded, and may be provided with a suitable clasp or fastening for securing the parts together.

Our improved bed-bottom is very simple in construction, it is very durable, it forms an even yielding support for the mattress, and can be compactly folded when required.

We claim as our invention—

A spring bed-bottom composed of slats A, secured to cross-pieces C C', each composed of three sections hinged together at *c*, springs B, arranged in rows parallel with the sides and ends of the bed-bottom, and secured with their lower ends to the slats A, and chains *e*, connecting the upper free ends of the springs, whereby the bed-bottom, when unfolded, forms an even yielding support for the mattress, and folds compactly, the ends of the springs attached to the central section folding into the open ends of the adjacent springs of the outer sections, substantially as set forth.

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