

E. Perry.
Bed Bottom.

N^o 94,025.

Patented Aug. 24, 1869.

Fig. 1

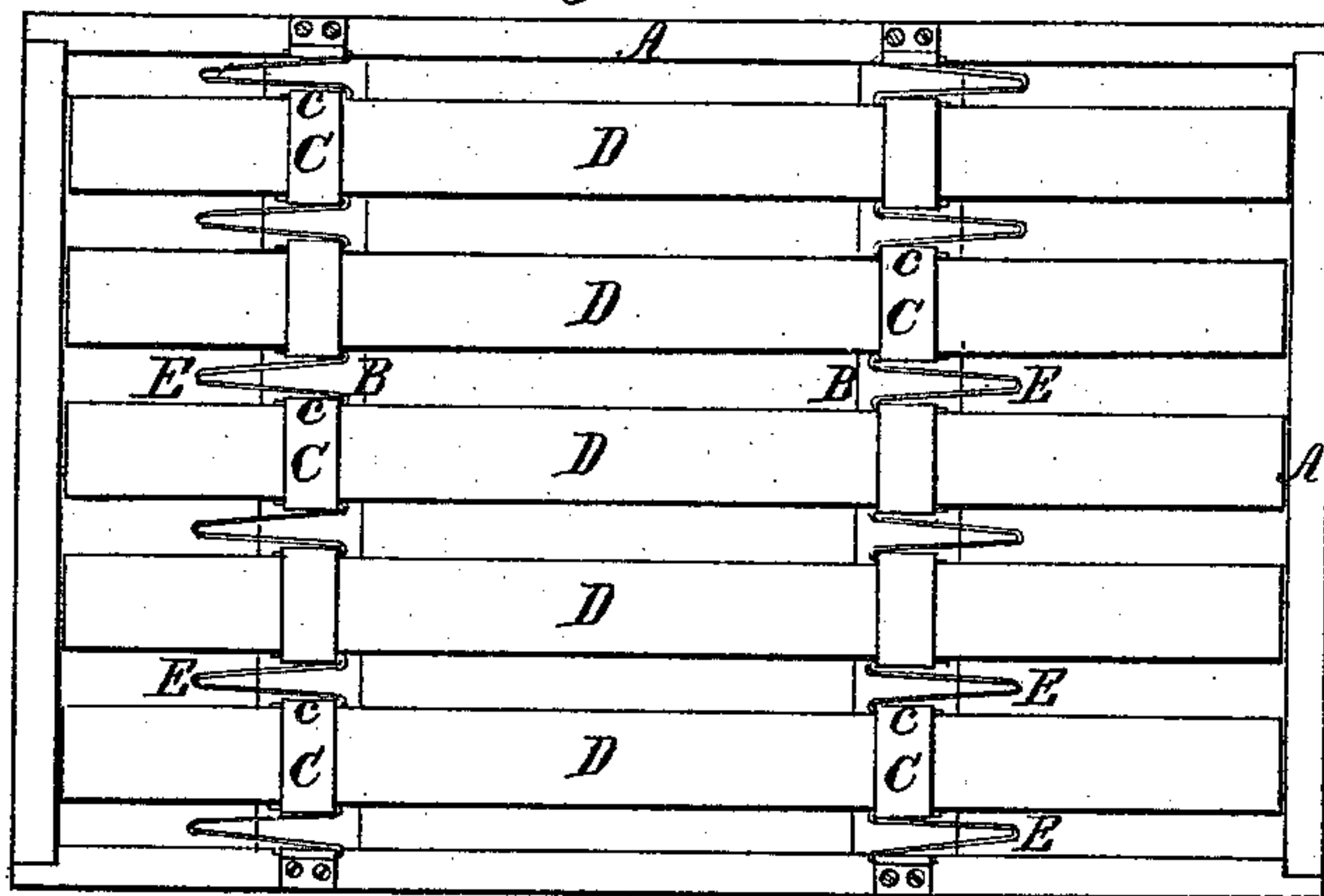


Fig. 2

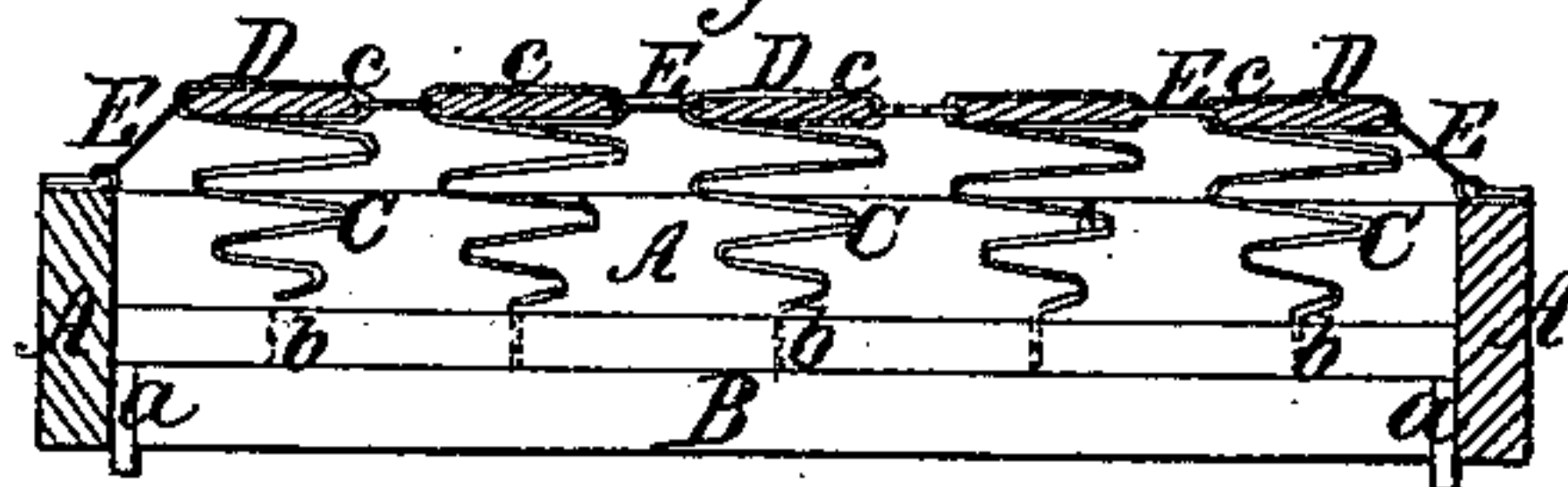
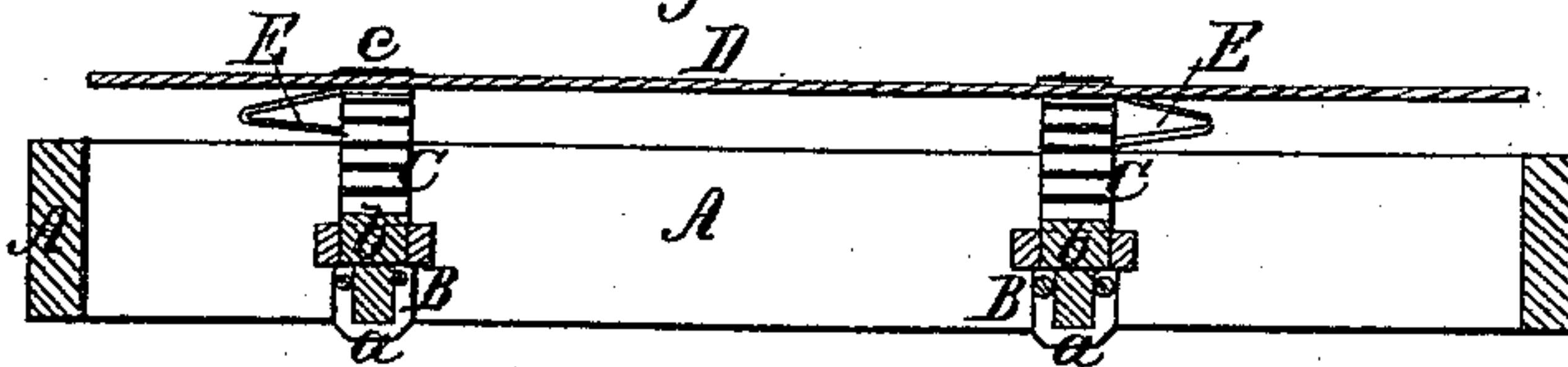


Fig. 3



Witnesses

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EDWARD PERRY, OF HOPKINTON, MASSACHUSETTS.

Letters Patent No. 94,025, dated August 24, 1869.

IMPROVED SPRING-BED BOTTOM.

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

To all persons to whom these presents may come :

Be it known that I, EDWARD PERRY, of Hopkinton, of the county of Worcester, and State of Massachusetts, have invented a new and useful Improvement in Spring-Bedsteads; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view,

Figure 2, a transverse section, and

Figure 3, a longitudinal section of a spring-bedstead or bed-foundation made in accordance with my invention.

The nature of my improvement consists in an arrangement and combination of two series of "V-shaped springs," with a series of slats, a frame, and two series of "serpentine springs," arranged together substantially in manner as hereinafter explained.

In such drawings—

A is a rectangular frame, provided with two bars, B B, each of which goes across it transversely, and at its ends each bar B rests in socketed brackets *a a*, fixed to the side-bars of the frame.

In each of such bars B there are inserted the lower projecting parts *b*, of a series of plate-springs C C, &c., each of such springs consisting of a strip of sheet-metal, (as steel, for instance,) bent in the serpentine form, and in other respects in manner as represented.

These springs support a series of thin elastic slats D D, &c., which are arranged parallel to each other, and at or about at equal distances asunder.

Each slat is sustained by two of the springs, each of which embraces the slats in manner as shown at *c* in figs. 1 and 2.

The parts *c*, which encompass the slats, are connected together, and to the side-bars of the frame A, by means of a series of wire V-shaped springs, E each of which has a form as shown in top view in fig. 1.

These V-shaped springs, arranged between the slats and the bars of the frame A, in manner as exhibited

in the drawings, are hinged to or hooked through the parts *c* of the serpentine springs.

The two external V-springs of each series of such springs are also so connected with the extreme slats and the side-bars of the frame.

The "V-shaped springs" serve not only to support the other springs, as well as the slats, at their proper distances asunder, but at the same time allow of the free vertical and lateral motions of the serpentine springs and the slats. The "V-shaped springs" also operate to support the serpentine springs under the longitudinal movements of the slats and serpentine springs.

The "V-shaped springs" also allow the slats to move apart from one another, and more or less independently of each other, whereby the bed-foundation is rendered easier and more elastic than is the case when the slats are connected by inelastic strips or bands of webbing which hold the slats so as to prevent them from spreading apart, and also so connect the slats as to cause several of them to operate in supporting a weight when imposed on either of them.

It is found that my spring-bed, by the freedom which each slat has to move vertically, or to rock laterally independently of the slat or slats adjacent to it, affords more ease and elasticity to a person when reposing on it than results from spring-beds whose slats are connected by strips of webbing.

Consequently I make no claim to connecting the slats by webbing or bands and to their frame when such slats are supported on springs.

What I claim as my invention, is as follows; that is—

The arrangement and combination of the two series of "V-shaped springs" with the slats D, the frame A, and the two series of serpentine springs, C, arranged together as set forth.

EDWARD PERRY.

Witnesses:

R. H. EDDY,
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