

W. Z. COOKE.

Improvement in Spring-Bottoms.

No. 131,743.

Patented Oct. 1, 1872.

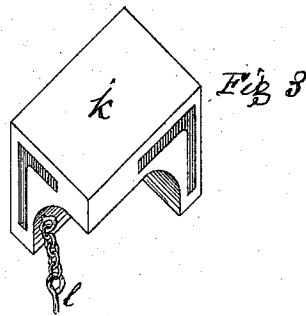
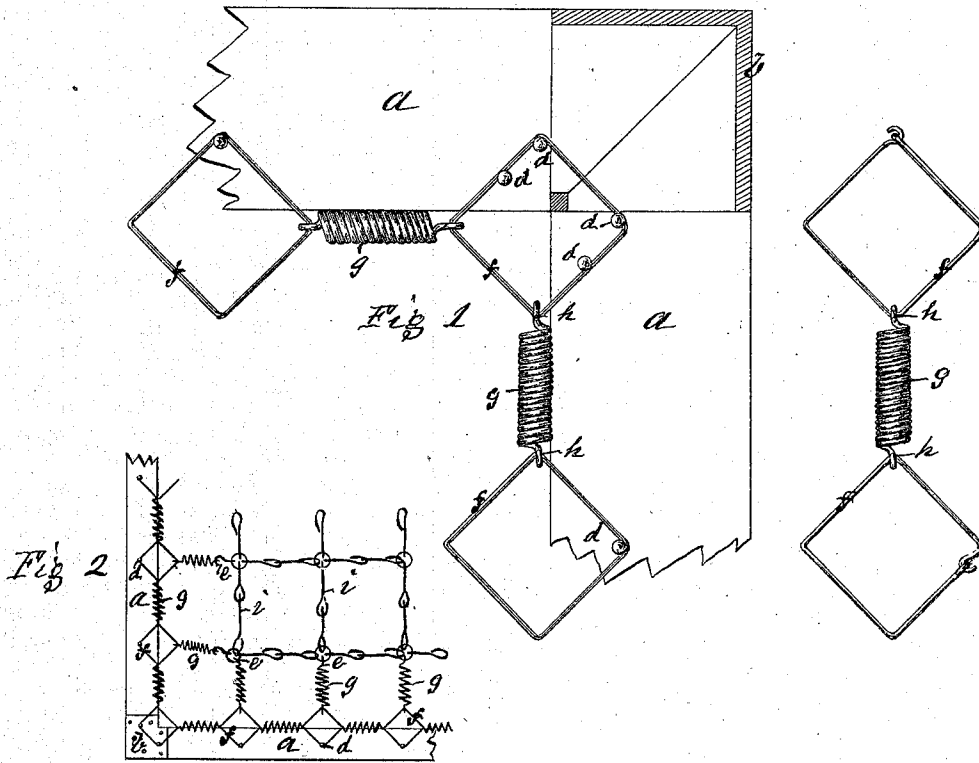
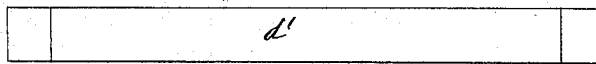


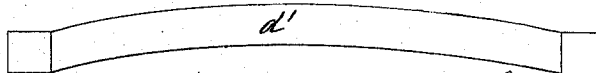
Fig. 4.



Witnesses.

Inventor.

O. S. Kelsey  
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# UNITED STATES PATENT OFFICE.

WILLIAM Z. COOKE, OF NEW BRITAIN, CONNECTICUT.

## IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. 131,743, dated October 1, 1872.

*To all whom it may concern:*

Be it known that I, WILLIAM Z. COOKE, now of New Britain, county of Hartford and State of Connecticut, have invented certain new and useful Improvement in Spring Bed-Bottom; and to enable others skilled in the art to make and use the same, I will proceed to describe its construction, referring to the drawing, in which the same letters indicate like parts in each of the figures.

The nature of this invention consists in the manner of construction, and combining the frame-work and webbing that it can be easily and quickly taken apart and replaced readily at will; the object of which is to produce a cheaper, stronger, and more durable mattress, and, at the same time, produce a superior article of manufacture and trade.

In the accompanying drawing, Figure 1 shows a corner section of the frame-work with the upper thickness of the metal socket corner removed to show the shape of the rail-tenons inserted therein; Fig. 2 is a corner section of the mattress, showing the detail of the web; Fig. 3 shows a metal socket corner, designed to receive right-angle shaped metal rails or frame-work; and Fig. 4 shows a straight and a curved end rail.

*a* is the frame-work. *b* are metal socket corners. The upper side plate is removed to show the shape of the tenon ends of the rails or frame. *d* are pins, arranged in said rails or frame-work to receive or secure the links *f* of the web, which are made of suitable sized wire, and having the ends made hook or eye form near one corner of each link, and these links connected at the corners by spiral springs *g* around the outer edge of the webbing. I sometimes hook the eye *h* of one end of the springs *g* onto the pins *d*, and the other end *e* to the links *f*, and the intermediate links,

which make up the surface of the mattress, I connect by links *i*, or short pieces of chain, thus making up the entire web-surface of the mattress. The side rails of the frame *a* are made straight, and when made of metal are made of a right-angle shape to secure lightness and strength, and the sockets formed in the corner-connecting pieces *k* are made of corresponding shape to receive the angle-shape rail. This rail may be adjusted in or out of the socket by a pin passing through the corner. Connecting pieces *k* are made of corresponding shape to receive the angle-shape rail, and this rail adjusted to its place by a pin, *l*, passing through the connection *k* and the angle rail. The end rails *d'* are made straight or curved, the object of which is to round up the center or surface of the mattress. Thus a mattress is produced which can almost instantly be taken apart and packed in a very small space, and can be quickly put together again, when desirable, rendering it cheap of manufacture, strong, and durable for use.

I believe I have thus shown the nature, construction, and advantage of this invention so as to enable others skilled in the art to make and use the same therefrom.

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

1. The combination of links *f*, spiral springs *g*, links or chains *i*, substantially as and for the purpose set forth.

2. The combination of the frame-work *a* *d'* and connecting-pieces with the web composed of the links and springs, as described.

WILLIAM Z. COOKE. [L. s.]

Witnesses:

O. S. KELSEY.

J. W. BLISS.