

E. & O. W. Gibbs,

Bed Bottom,

Nº 78,732,

Patented June 9, 1868.

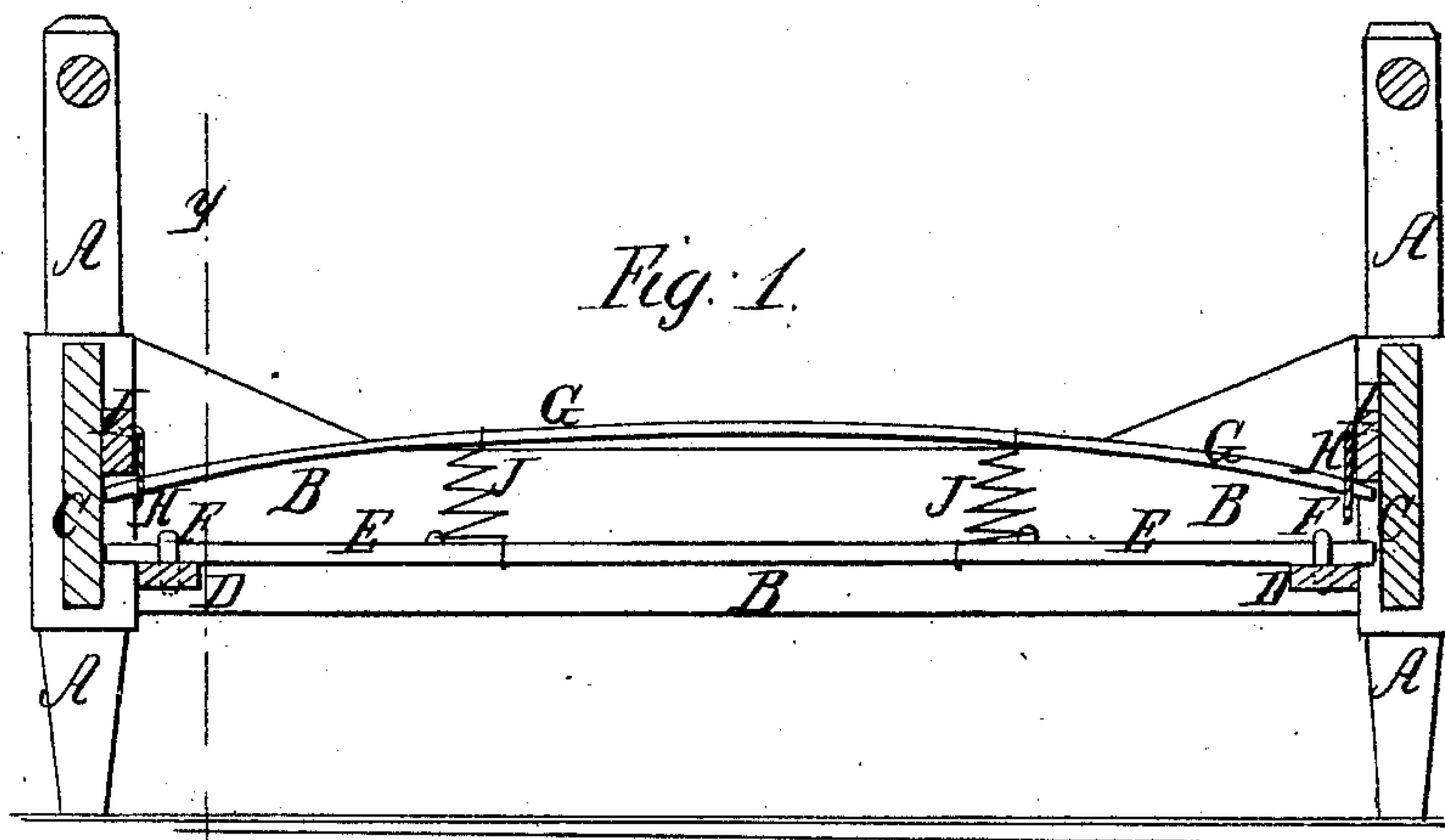
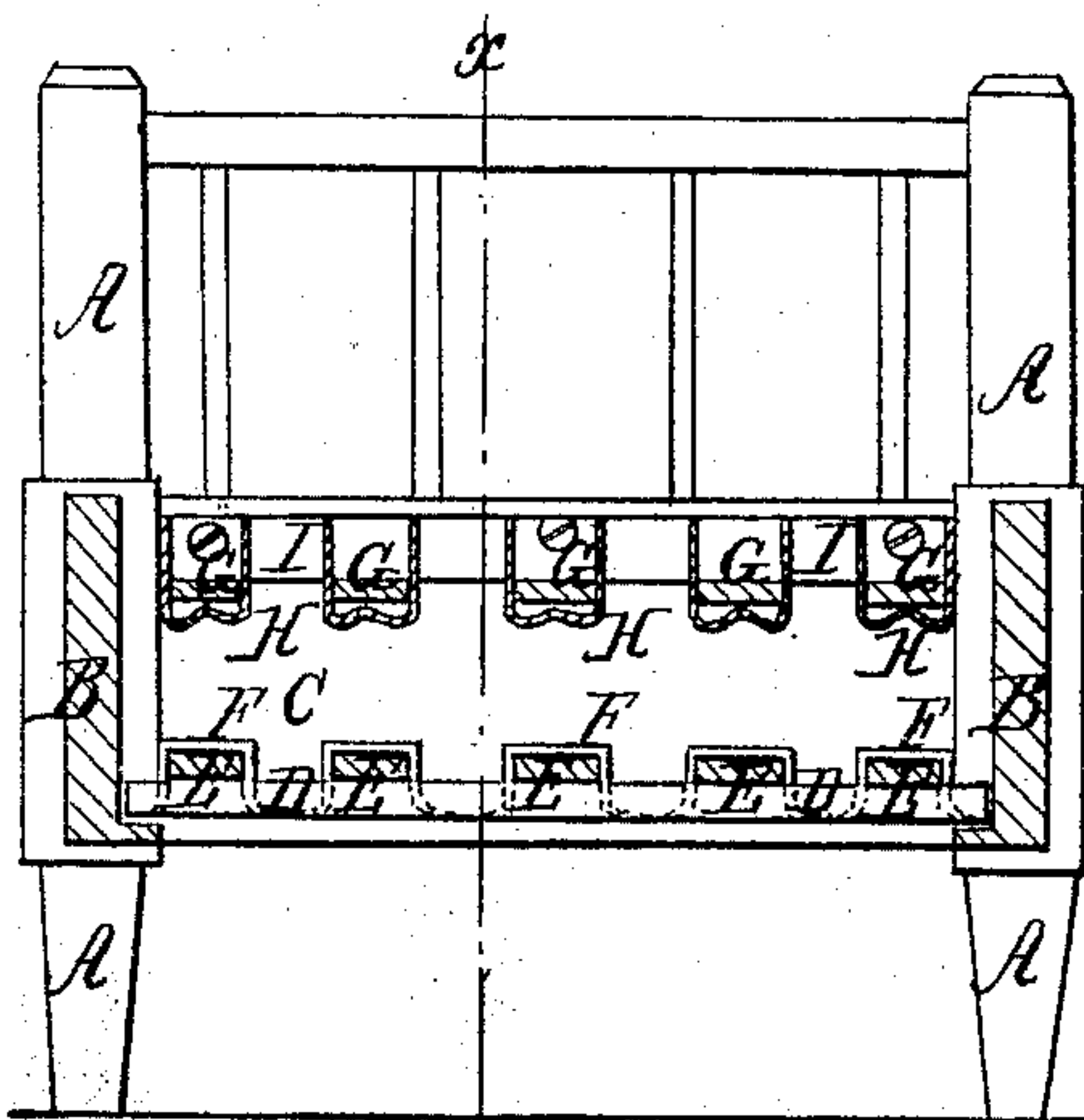


Fig. 2.



Witnesses;

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United States Patent Office.

E. GIBBS AND O. W. GIBBS, OF RICHLAND CENTRE, WISCONSIN.

Letters Patent No. 78,732, dated June 9, 1868.

IMPROVED 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 we, E. GIBBS and O. W. GIBBS, of Richland Centre, in the county of Richland, and State of Wisconsin, have invented a new and improved Spring-Bed Bottom; and we 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.

Figure 1 is a vertical longitudinal section of my improved spring-bed bottom attached to a bedstead, taken through the line *x x*, fig. 2.

Figure 2 is a vertical cross-section of the same, taken through the line *y y*, fig. 1.

Similar letters of reference indicate corresponding parts.

Our invention has for its object to furnish an improved spring-bed bottom, simple and durable in construction, which will not allow the head part to tip down, and which will be noiseless, easy, and comfortable in use, whether lain upon by a light or heavy person, and it consists in the construction and combination of the various parts, as hereinafter more fully described.

A are the posts, B are the side rails, and C are the end rails of the bedstead, about the construction of which parts there is nothing new.

D are two cross-slats, placed at the head and foot of the bedstead, and the ends of which rest in notches in the side rails, B, of the bedstead, or in longitudinal slats attached to the inner sides of said side rails.

E are longitudinal spring-slats, the ends of which rest upon the cross-slats D, where they are secured in place by staples F, through which the ends of the said slats E pass, and the ends of which pass through the cross-slats D, and are clinched or otherwise secured upon their lower sides, the said staples being made sufficiently large to allow the slats E to move slightly in them as they are sprung in use, while at the same time holding the said slats securely in place.

G are longitudinal slats placed directly above the slats E, and the ends of which pass through and are supported by the metallic loops H. The ends of the loops H are passed through the slots I, and have their ends clinched or otherwise secured upon their outer sides.

The slots I are secured to the end rails C of the bedstead by screws or other convenient means. The loops H are then bent down into proper position to receive the ends of the slats G, and are covered with cloth or other similar material, so as to prevent all noise when the bedstead is in use.

J are coiled-wire springs, which we prefer to make in the form of half-sofa springs, and two of which are placed between each pair of spring-slats, E G, in such positions as to be beneath, or as near as may be beneath the shoulders and hips of the person lying upon the bed. The lower ends of the springs J are passed through the slats E, and are clinched or otherwise secured upon their under sides. The lower coil of the springs J rests upon and is secured to the said slats E by staples, as shown in fig. 1. The upper ends or points of the springs J pass into or through holes in the upper slats G, as shown in fig. 1. The slats G should be made considerably lighter than the slats E, and should be so arranged in connection with the slats I, loops H, and springs J, that when left free their middle parts should be sprung or slightly arched upward, as shown in fig. 1.

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

An improved spring-bed bottom, formed by the combination of the cross-slats D, staples F, longitudinal spring slats E, coiled-wire spring J, longitudinal spring-slats G, wire loops H, wound with cloth or its equivalent, and cross-slats I, with each other and with the side rails B and end rails C, of the bedstead, substantially as herein shown and described, and for the purpose set forth.

E. GIBBS,
O. W. GIBBS.

Witnesses:

A. LOVELESS,
D. S. HAMILTON.