

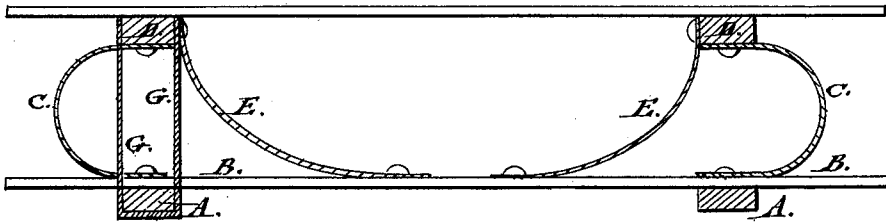
*T. Payne,*

*Bed Bottom.*

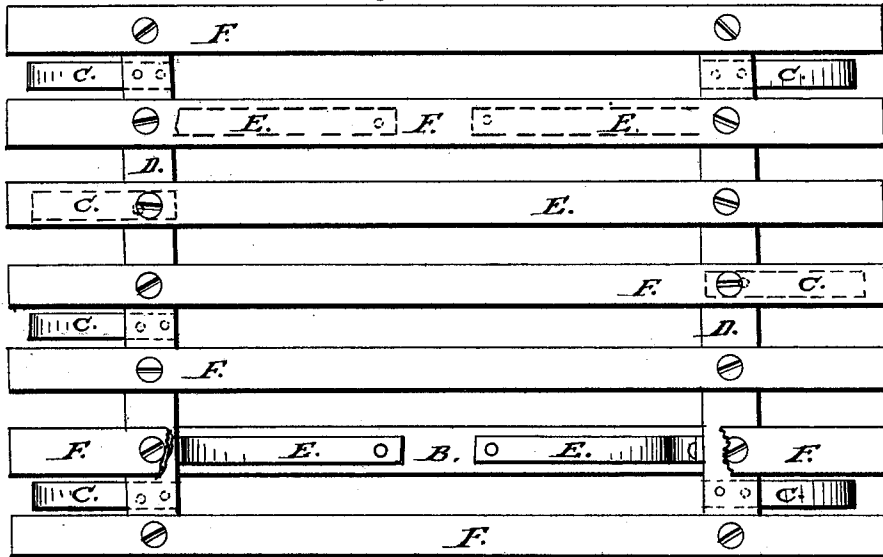
*No. 91,259.*

*Patented June 15, 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*  
*J. Hinchman*  
*Wm. S. Clark*

*Inventor:*  
*T. Payne*  
*PER*  
*Munn & Co.*  
*attorney*

# United States Patent Office.

THOMAS PAYNE, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO WALTER WILKINS  
AND ADELMER D. PLUMB, OF SAME PLACE.

*Letters Patent No. 91,259, dated June 15, 1869.*

## 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 I, THOMAS PAYNE, of Grand Rapids, in the county of Kent, and State of Michigan, have invented a new and improved Spring-Bed Bottom; and I 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 drawing, forming part of this specification, in which—

Figure 1 is a side view of my improved spring-bed bottom.

Figure 2 is a top or plan view of the same, part being broken away, to show the construction.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a simple, strong, durable, and elastic spring-bed bottom, and one which shall be so constructed and arranged as not to be liable to get out of order; and

It consists in the combination and arrangement of the springs with the longitudinal and cross-slats of the bed-bottom, as hereinafter more fully described.

A are the lower cross-slats of the bed-bottom, the ends of which rest upon cleats, or shoulders attached to or formed upon the side-rails of the bedstead.

B are two longitudinal slats, which rest upon, and are secured to the cross-slats A, near their ends.

C are bent, or bow-springs, the lower ends of which are secured to the cross-bars A, and to the upper ends of which are secured the cross-slats D. The springs C should be arranged with their bend, or bow toward

the ends of the bed-bottom, as shown in figs. 1 and 2, and any desired number of said springs may be used, according to the weight of the person or persons who are to use the bed. It is generally advisable to use a larger number of springs C at the head than at the foot of the bed-bottom, as being required to sustain a greater weight.

E are the side-springs, the lower ends of which are attached to the longitudinal slats B, near their middle parts, and their upper ends are attached to the inner edges of the upper cross-slats D, as shown in fig. 1.

F are the longitudinal slats, which rest upon, and are secured to the cross-slats D, as shown in figs. 1 and 2, and upon which the bed rests.

If desired, the slats D may be kept from being raised too high, by the elasticity of the springs C, by means of tape, webbing, or other flexible straps, or bands G, connecting the cross-bars A and D, as shown in fig. 1.

Having thus described my invention,

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

The combination of the end-springs C and side-springs E with the cross-slats A and D, and with the longitudinal slats B and F, substantially as herein shown and described, and for the purpose set forth.

THOMAS PAYNE.

Witnesses:

L. BEMENT,

G. CHASE GODWIN.