

(No Model.)

B. TAYLOR.
SPRING FRAME FOR BEDS, &c.

No. 318,219.

Patented May 19, 1885.

Fig. 1.

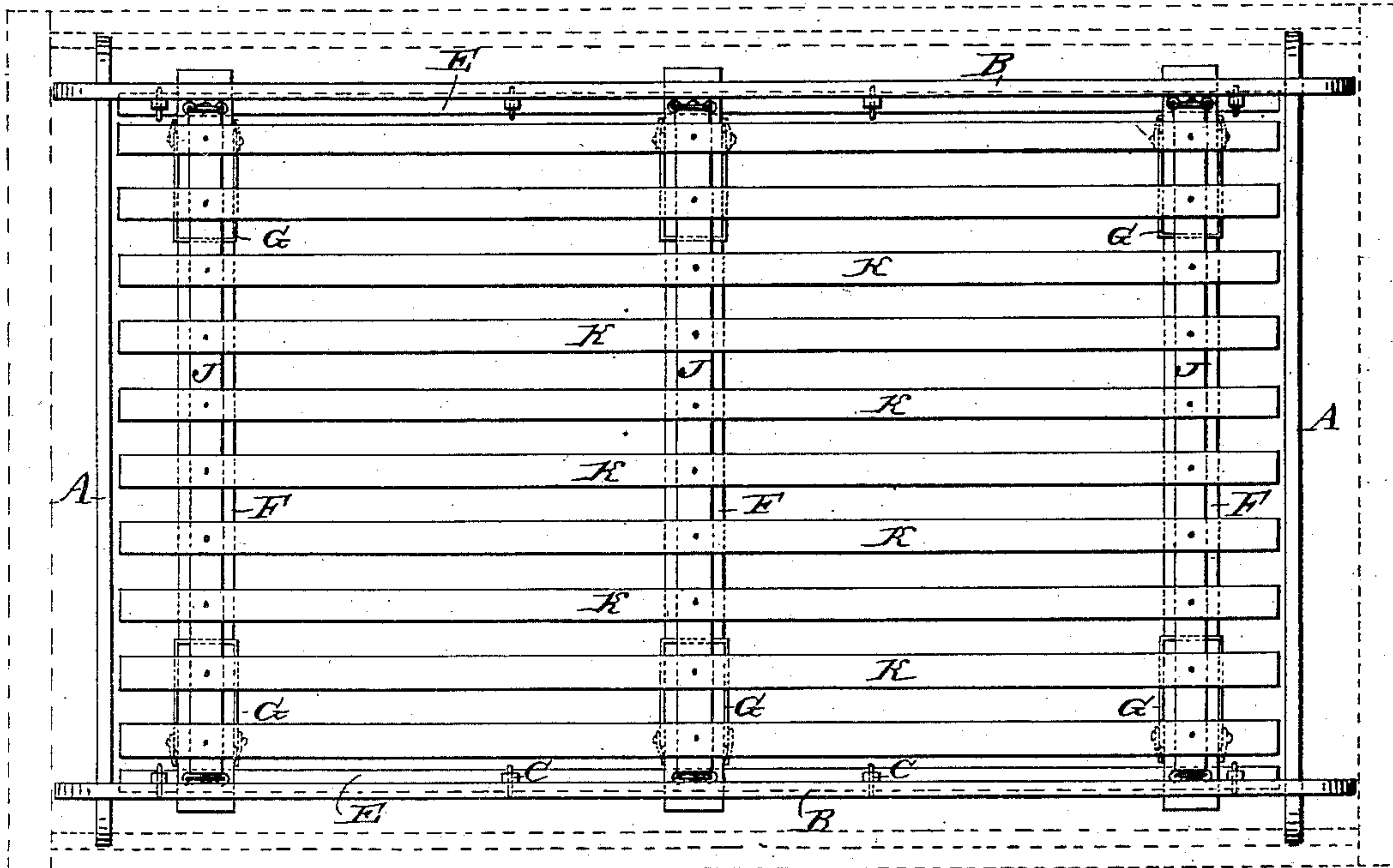


Fig. 2.

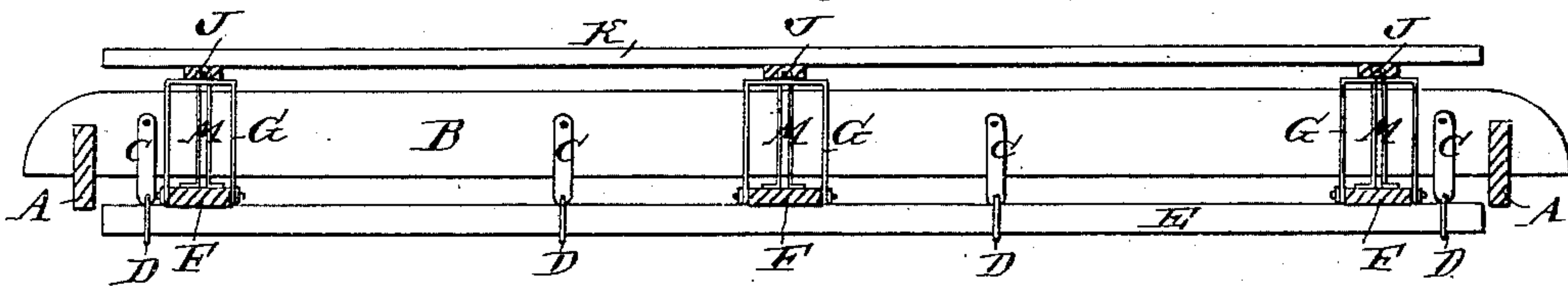


Fig. 3.

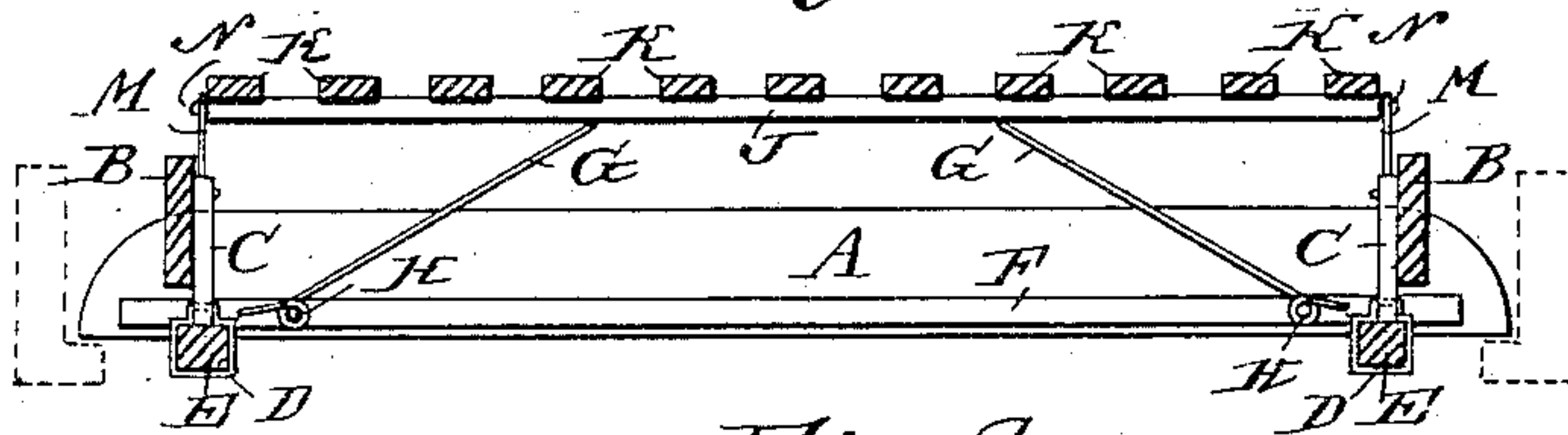
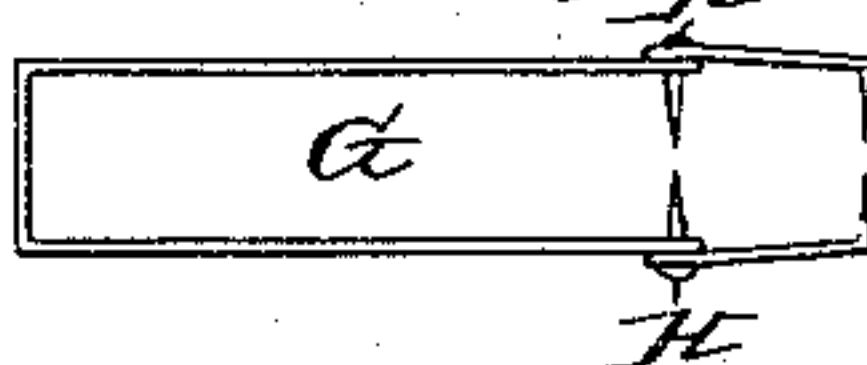


Fig. 4.



WITNESSES:

Wm Beyer
C. Sedgwick

INVENTOR:

B. Taylor

BY

Munnell
ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENJAMIN TAYLOR, OF MORRILLTON, ARKANSAS.

SPRING-FRAME FOR BEDS, &c.

SPECIFICATION forming part of Letters Patent No. 318,219, dated May 19, 1885.

Application filed September 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN TAYLOR, of Morrillton, in the county of Conway and State of Arkansas, have invented a new and Improved Spring-Frame for Beds, &c., of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved spring-frame which can be used in beds, sofas, chairs, &c., is very elastic, strong, and durable, and can easily be taken apart for transportation and storage.

The invention consists in the combination, with slats, of cross-pieces supporting them, and resting on springs secured on cross-pieces supported by longitudinal bars suspended by springs from longitudinal rails united at their ends by cross-pieces.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved spring-frame. Fig. 2 is a longitudinal sectional elevation of the same. Fig. 3 is a cross-sectional elevation of the same. Fig. 4 is a plan view of the spring.

The cross-pieces A have their ends rested on the cleats on the inner surfaces of the bedstead side rails.

On the cross-pieces A the longitudinal rails B rest near the ends, the rails B being provided in the bottom edges with notches for receiving the cross-pieces A.

Rubber springs C or spiral or other springs have their upper ends secured to the inner surfaces of the rails B, and to the lower ends of the springs C clips D are fastened, which surround bars E, and hold them short distances below the rails B.

On the bars E three or more or less cross-bars F rest, to each of which a spring, G, is fastened at each end, the said springs each consisting of a U-shaped wire having a spiral eye, H, or coil formed in each shank a short distance from the free end, and the free end of each shank is bent inward and pointed. The points are driven into the side edges of the cross-bars F, and nails are driven through the eyes H into the side edges of the bars F.

The spring-frames project upward, and on their upper ends bars J rest parallel with and above the bars F, and on the bars J the slats K rest, which are parallel with the side rails of the bed.

Upright wire frames M on the bars F rest against the inner surfaces of the rails B, and screws or headed studs N are passed through the said frames into the ends of the bars J, thereby guiding the bars J and limiting the movement of the same as the top of the spring-frame works up and down.

The pressure on the slats K is transmitted to the bars J, then by the springs G to the bars F, then to the bars E, which are suspended from the springs C. The strain on the springs C is taken up by the rails B and the cross-pieces A, which are supported by the bed-frame or furniture-frame.

The cross-pieces A and the longitudinal rails B are notched for the purpose of locking them together.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A spring-frame formed of slats resting on cross-bars supported by springs resting on other cross-bars, said latter bars resting on longitudinal bars suspended by springs from longitudinal rails having their ends united by cross-bars, substantially as herein shown and described.

2. In a spring-frame, the combination, with the rails B and cross-bars A, of the bars E, suspended from the rails B by springs, the cross-bars F, the U-shaped springs G, secured on the edges of the bars F, the bars J, and the slats K, substantially as herein shown and described.

3. In a spring-frame, the combination, with the rails B and cross-bars A, of the bars E, the springs C, the bars F, the springs G, the bars J, the upright wire frames M on the bars F, and of the studs N, passed through the wire frames M into the ends of the bars J, substantially as herein shown and described.

BENJAMIN TAYLOR.

Witnesses:

W. W. MAYO,
GEO. W. BAKER.