

A. T. SHERWOOD.
Spring Bed-Bottom.

No. 168,056.

Patented Sept. 21, 1875.

Fig. 1.

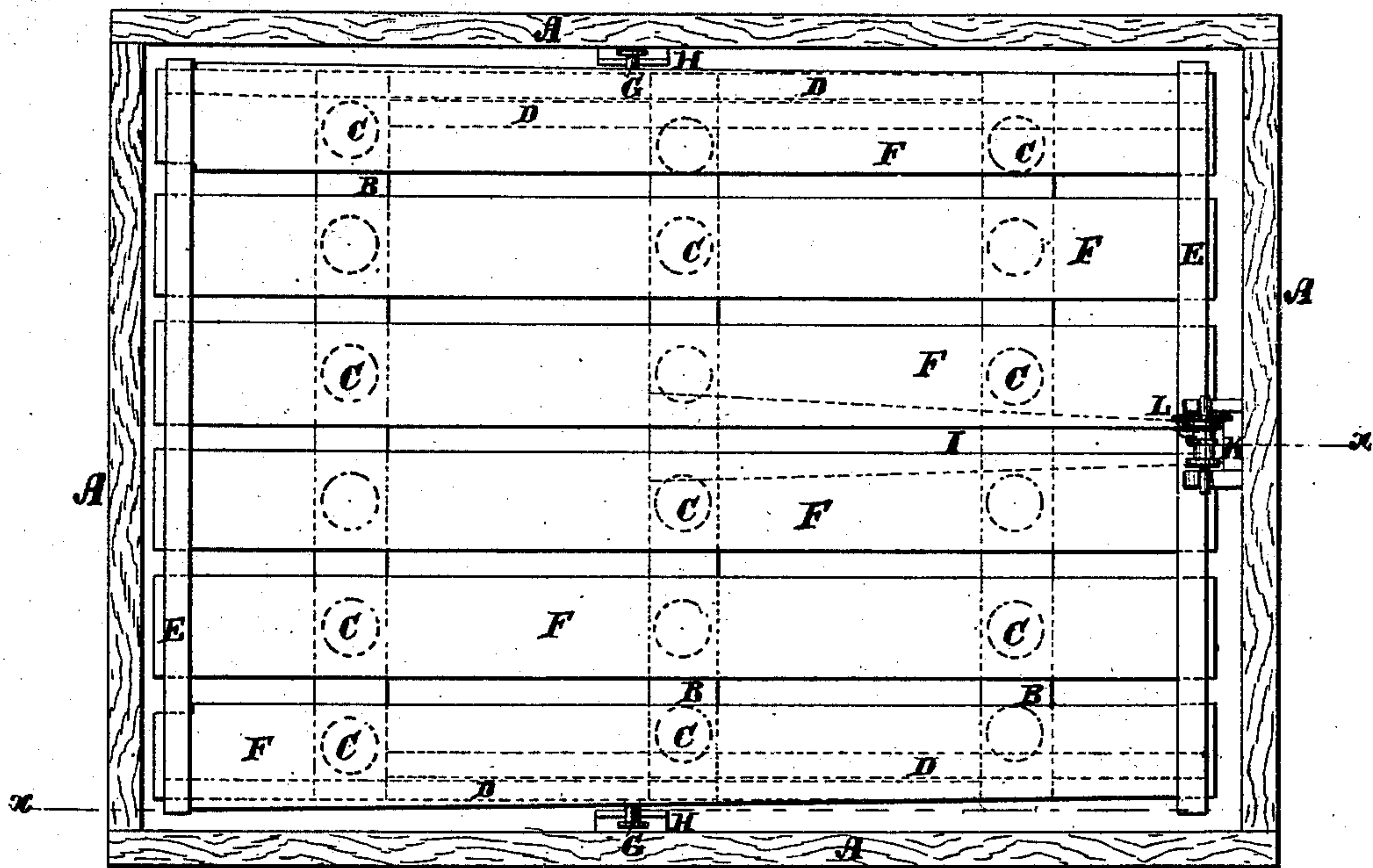


Fig. 3.

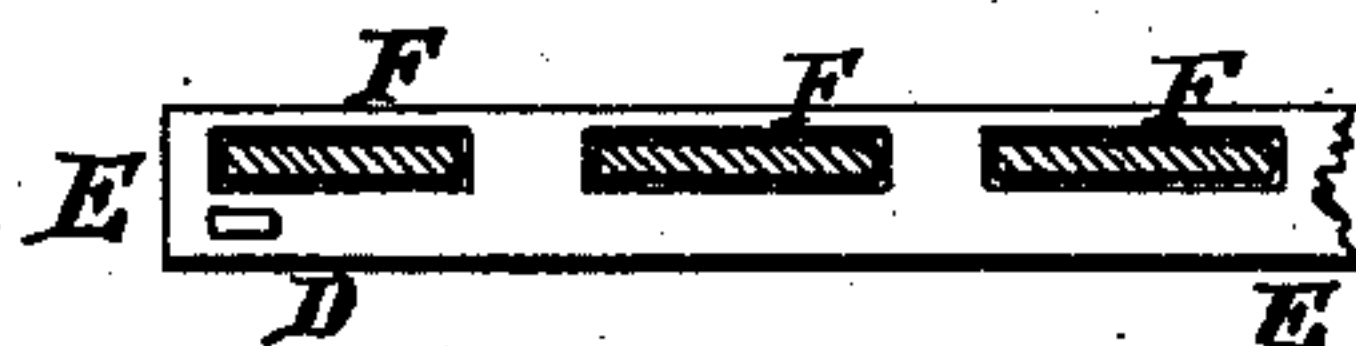
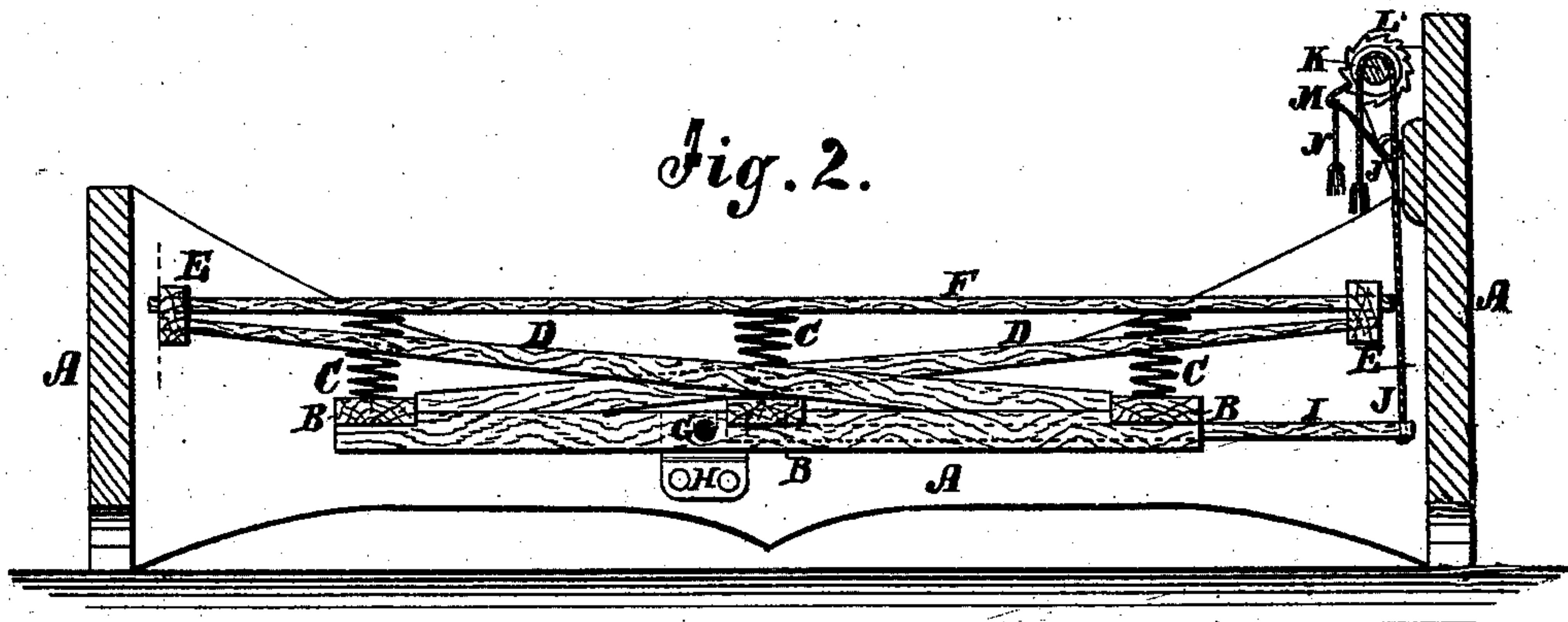


Fig. 2.



Witnesses:

A. Bennekenhof.
Sedgwick

Inventor:

A. T. Sherwood

PER

Munnell
Attorneys.

UNITED STATES PATENT OFFICE.

ANDREW T. SHERWOOD, OF AMADOR CITY, CALIFORNIA.

IMPROVEMENT IN SPRING BED-BOTTOMS.

Specification forming part of Letters Patent No. **168,056**, dated September 21, 1875; application filed August 4, 1875.

To all whom it may concern:

Be it known that I, ANDREW T. SHERWOOD, of Amador City, in the county of Amador and State of California, have invented a new and useful Improvement in Spring Bed-Bottoms, of which the following is a specification:

Figure 1 is a plan view of my improved bed-bottom, shown as applied to a bedstead. Fig. 2 is a side view of the same, partly in section, through the line *x x*, Fig. 1. Fig. 3 is a detail end view of a part of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved spring bed-bottom, designed especially for invalids, but which may be used with advantage by others, and which shall be simple in construction, convenient in use, and inexpensive in manufacture; and it consists in the construction and combination of various parts, as hereinafter more fully described.

A represents a bedstead, about the construction of which there is nothing new. B is the foundation-frame of the bed-bottom, consisting of two side bars, connected at their ends and centers by three cross-bars, to which the lower ends of the coiled springs C are attached.

To the end parts of each side bar of the foundation-frame B are attached the ends of two spring-bars, D, which cross each other above the end parts of the central cross-bar of the said frame B. The ends of the spring-bars D, at the foot and head of the bed-bottom, are attached to the end parts of a cross-bar, E. The cross-bars E are mortised or slotted horizontally to receive the ends of the longitudinal spring-slats F, to which the upper ends of the springs C are attached, and which are made wide and thin, and the ends of which are inserted in the mortises of the cross-bars E. The spring-slats F at the foot of the bedstead are made wider than the mortises or slots in the cross-bar E, in which they are inserted, so that the shoulders formed upon the side edges of the said spring-slats F may rest against the cross-bars E, and thus prevent the said slats from slipping through the said cross-bars when the bed-bottom is inclined.

To the side bars of the frame B, at their middle parts, or a little toward the foot from said

middle parts, are attached pivots or gudgeons G, which have heads or collars formed upon their outer ends, and which enter sockets H, attached to the inner sides of the side bars of the bedstead A, so as to pivot the said bed-bottom, and at the same time keep it from spreading.

To the middle part of the central and head cross-bars of the frame B is attached a bar, I, the outer or head end of which projects beyond the head end of the said frame B, and to which is attached the end of a cord, J, which passes up along the head-board of the bedstead A, and is coiled around a short shaft, K, a sufficient number of times to prevent it from slipping, and to its free end is attached a tassel for convenience in grasping it. The journals of the shaft K work in bearings attached to the head-board of the bedstead.

To one of the ends of the shaft K is attached a small ratchet-wheel, L, into the teeth of which meshes the engaging end of a spring-pawl, M, which is attached to the head-board of the bedstead, and to the end of which is attached a short cord, N, to the free end of which is attached a tassel for convenience in grasping it. By this construction, when the occupant of the bed wishes to change his position, a slight pull upon the cord J will raise the head end of the bed-bottom to any desired height, the spring-pawl M holding it securely in any position.

To lower the head part of the bed-bottom the pawl M is withdrawn from the ratchet-wheel L by pulling upon the cord N; then, by letting out the cord J gradually, the head end of the bed-bottom may be easily lowered to the desired position.

By this construction of the bed-bottom the spring-bars D prevent any lateral movement of the bed-bottom, and the various springs so act upon each other as to keep the coiled springs C always in proper position.

If desired, legs may be attached to the corners of the foundation-frame B, to adapt the bed-bottom to be used without a bedstead for camp purpose, and for hotels and other places where a number of extra beds are required temporarily. These legs may be detachably inserted in sockets in the frame B, or hinged to said frame, so that they may be readily de-

tached or folded to allow the bed-bottom to be compactly packed for storage or transportation.

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

The combination of the bar I, cord J, short shaft K, ratchet-wheel L, and spring-pawl M

with the pivoted bed-bottom B C D E F G, substantially as herein shown and described, and for the purpose set forth.

ANDREW T. SHERWOOD.

Witnesses:

HENRY PECK,
W. W. KIRKLAND.