

(No Model.)

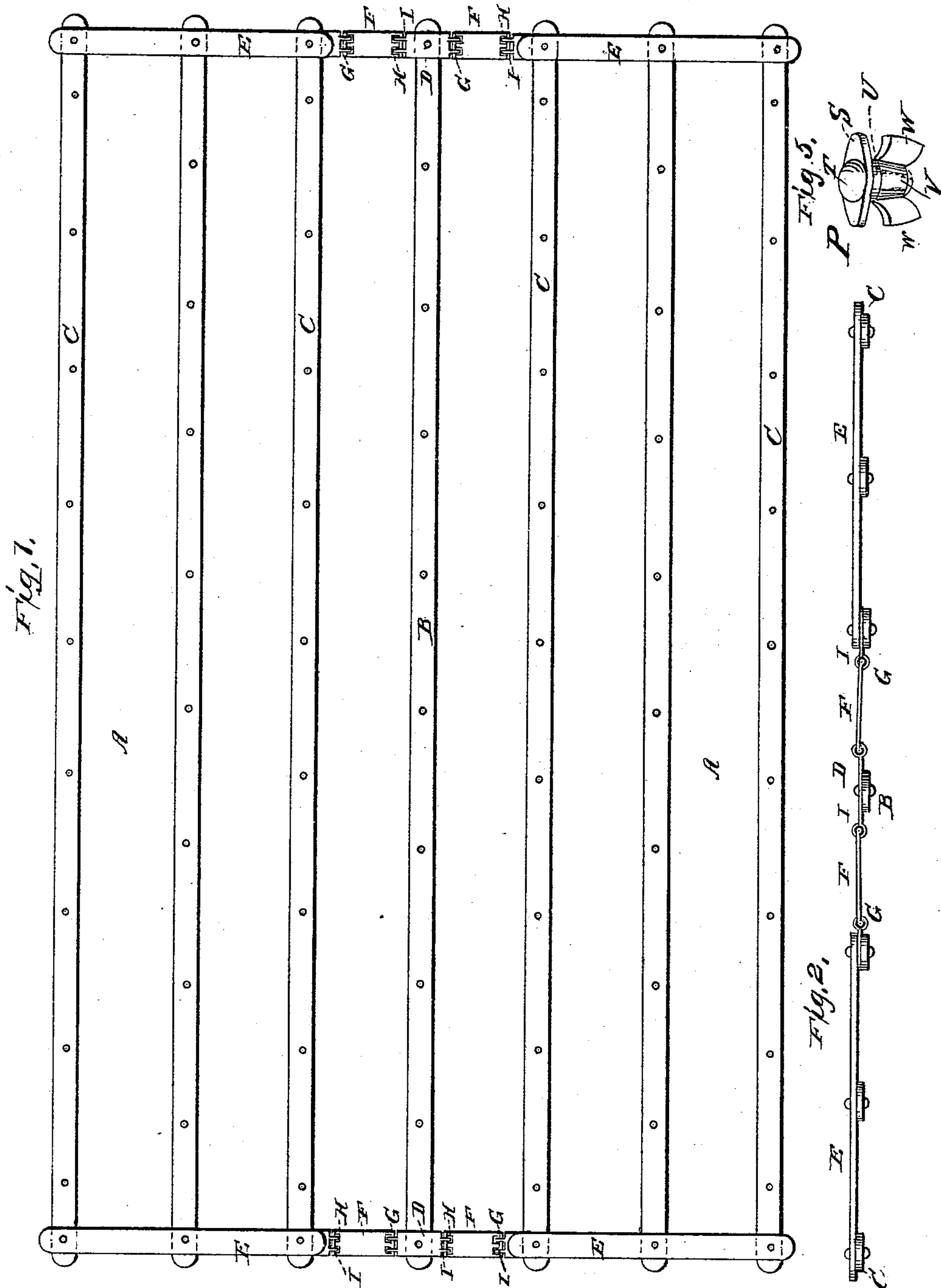
2 Sheets—Sheet 1.

C. L. MILLS.

FOLDING SPRING BED BOTTOM.

No. 277,323.

Patented May 8, 1883.



WITNESSES:

*Fred. H. Dieterich*  
*Geo. W. Stockett*

INVENTOR.

*Charles L. Mills.*  
*by Louis Bagger & Co.*  
ATTORNEYS

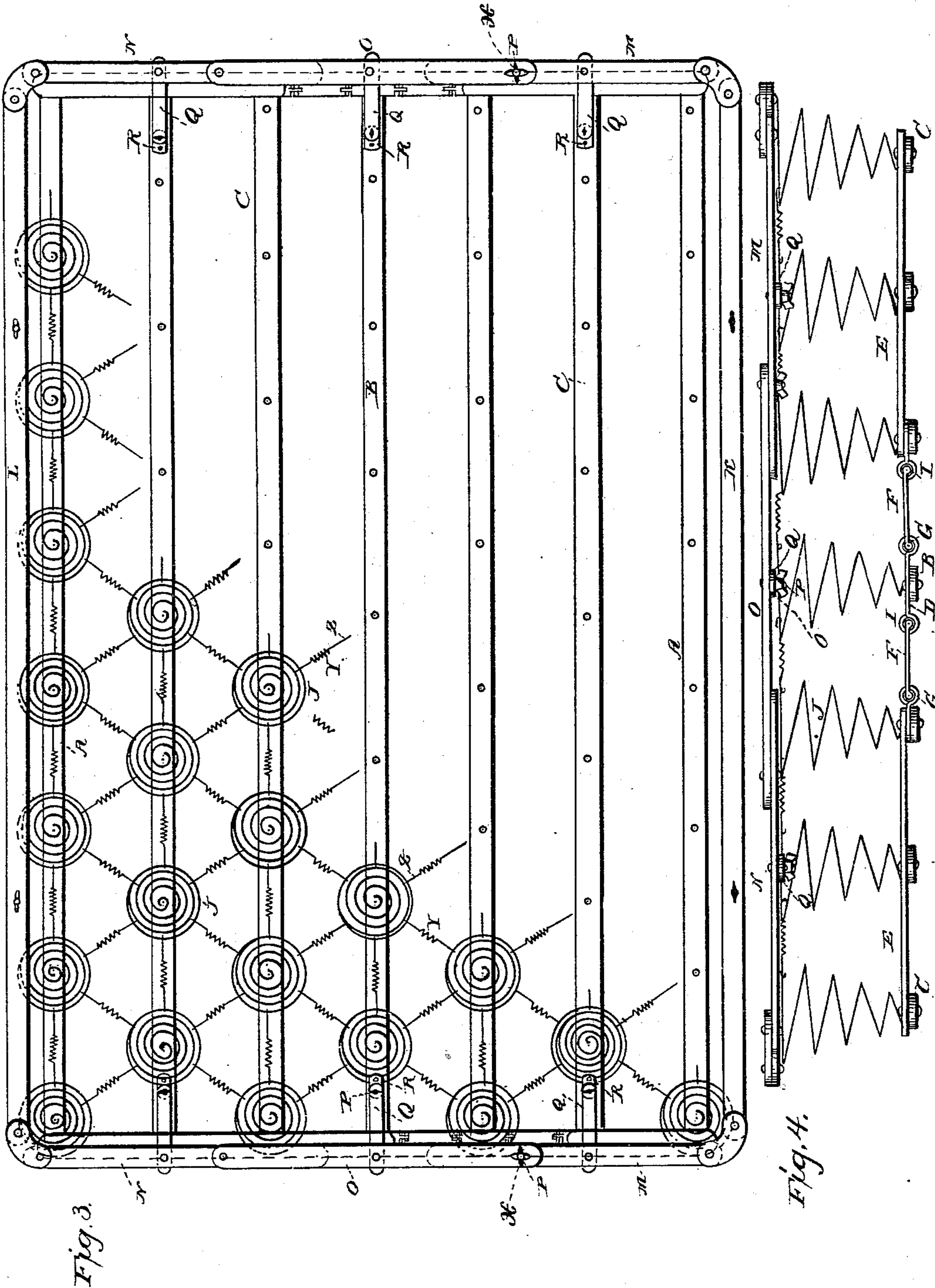
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# UNITED STATES PATENT OFFICE.

CHARLES L. MILLS, OF BROOKLYN, NEW YORK.

## FOLDING SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 277,323, dated May 8, 1883.

Application filed November 13, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES L. MILLS, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Folding Spring Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan view of the bottom frame. Fig. 2 is an end view of the same. Fig. 3 is a plan view of the bed-bottom complete. Fig. 4 is an end view of the same. Fig. 5 is a detail view of the catch or fastening, and Fig. 6 is a detail view of the spring-connection.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved folding spring bed-bottom, the construction of which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the bottom frame of my improved spring bed-bottom. The same consists of a series of longitudinal slats, of which the central one is denoted by letter B and the outer ones by C. The ends of the central slat, B, have short transverse straps D, and the ends of the outer slats, C, are connected by straps E. The inner ends of the latter are connected with the outer ends of the straps D by means of intermediate hinge-straps, F, having rounded thickened or re-enforced ends G, in which slots H are formed, to receive tongues I at the ends of the straps D and E, which are twisted or clinched around the rounded ends of the straps F, thus hinging and connecting the parts securely together. The slats B and C support coiled springs J, of any suitable construction.

The top frame consists of rigid side pieces, K and L, to the ends of which short rigid inwardly-projecting end pieces, M and N, are secured.

O O are connecting-pieces, pivoted to the end pieces N, and connected detachably to the end pieces M by a fastening, P, which will be presently described. The connecting-pieces

O have inwardly-projecting straps Q, connected detachably to the adjoining springs J by clamps R and fastenings P. The said fastenings P consist of shanks T, having T-heads S and shoulders U, and nuts or fasteners V, having wings W. Slots X are provided to receive the heads of said fasteners, which may be made secure by giving them a half-turn after placing them in position. The upper coils of the outer springs are connected securely to the top frame in any suitable manner. The several springs have their upper coils connected by spiral-spring connections Y and links Z.

The operation will be readily understood. By detaching the ends of the connecting-pieces O from the end pieces M and the straps Q from the springs, the bed-bottom may readily be doubled or folded, so as to occupy but very little room in storage or transportation.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a folding spring bed-bottom, the combination of the middle slat, B, having end straps D D, side slats, C, having end straps E E, and intermediate hinge-straps, F, provided with thickened or re-enforced ends G, slotted to receive the tongues I of straps D and E, substantially as and for the purpose herein shown and set forth.

2. In a folding spring bed-bottom, the top frame consisting of the rigid side pieces, K L, having end pieces, M N, and the connecting-pieces O, pivoted to end pieces N, secured detachably to the end pieces M, and having straps Q, as set forth.

3. As an improvement in bed-bottoms, the combination of the folding bottom frame, B C D E F, the folding top frame, K L M N O Q, and the springs J, all constructed and arranged substantially as herein set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

CHARLES L. MILLS.

Witnesses:

J. S. CORNELL,  
JAS. S. HALL.