

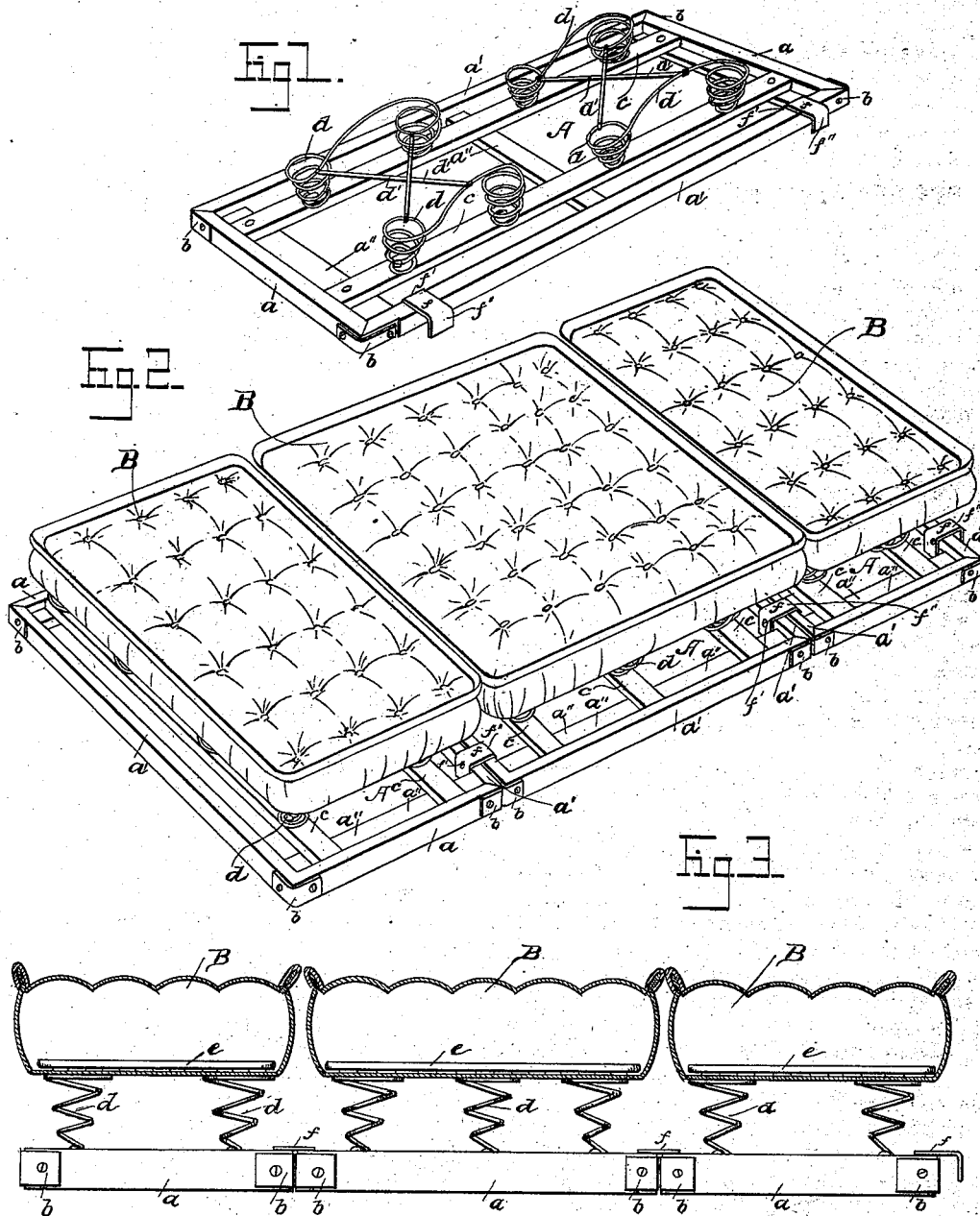
(No Model.)

W. F. ADE, Jr.

BED BOTTOM.

No. 382,501.

Patented May 8, 1888.



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLIAM F. ADE, JR., OF WILLIAMSPORT, PENNSYLVANIA.

## BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 382,501, dated May 8, 1888.

Application filed November 26, 1887. Serial No. 256,222. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM F. ADE, JR., a citizen of the United States, residing at Williamsport, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Bed-Bottoms; and I do hereby declare the following to be 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.

My invention relates to certain new and useful improvements in sectional bed-bottoms; and it is the object of my invention to produce a cheap, portable, and compact device, one comfortable and durable in use, attractive in appearance, and in which any sagging of the mattresses can be readily and effectively compensated.

My invention relates, further, to other but less important details of construction, such as the fastening device for locking the sections together, all of which will be more fully hereinafter described and claimed, and which are illustrated in the accompanying drawings, wherein like letters of reference indicate identical parts in the several views, and in which—

Figure 1 is a perspective view of the framework and springs with the mattress removed; Fig. 2, a perspective view of the whole device, and Fig. 3 a longitudinal sectional view of the same.

From an inspection of these views it will be apparent that the device is made in three sections, and that one of these sections is considerably larger than the other two, both of which are approximately of the same size. Now, while it is not absolutely necessary to make my device in precisely this number of sections and of the same comparative size illustrated, I have found that this is the most convenient arrangement, and, as all of these sections are made in identically the same manner, for convenience and brevity I will describe only one of them.

The frame-work A, which is made of any suitable material, wood being preferable, however, on account of its lightness and cheapness, is rectangular in form, and is composed of the four side pieces, *a a' a'*, forming the extreme outside of the frame. In order to insure great strength and rigidity, I fasten

the meeting edges of these sides *a a' a'* together with angle-irons *b b b*, inserted in suitable shallow mortises, so that the outside of these angle-irons will be flush with the exterior of the side pieces, *a a' a'*. Extending from the front to the back of this frame-work are the braces *a'' a'' a''*, one end of each being securely fastened into the interior sides of the side pieces, *a' a'*.

Upon the upper sides of the cross bars or braces *a'' a'' a''* and secured perpendicular thereto are the slats *c c c c*, so that when these slats are all fastened in position their upper edges will not protrude above those of the side pieces, *a a' a'*. Securely fastened on the upper side of each of these slats *c c c c* and extending upwardly is a series of spiral springs, *d d d d*, of ordinary construction, held together by means of the cross-wires *d' d'* to prevent spreading, and on top of these springs and sewed securely to the same is the mattress B. This mattress B is made in the usual manner, with the exception of being provided at its extreme lower border, and extending entirely around the same inside of the covering, with a strip of some suitable material, *e*, (preferably rattan, on account of its lightness and pliability,) which serves to keep the mattress in proper shape, but does not detract from the comfort of the same. The means for fastening these sections together is an extremely simple one, and is illustrated in Fig. 3. It consists of two or more flattened staple or U-shaped pieces of metal, *f*, one of each of whose downwardly-deflecting pendent arms, *f'*, is securely fastened to the interior of one of the side pieces *a'*, its other or unfastened arm, *f''*, extending out in front of this side piece *a'*, and being adapted to be inserted over that side piece *a'* of the adjoining section on which there is no fastening device.

It will be seen upon an inspection of Figs. 1 and 2 that in the particular arrangement illustrated the larger section is in the center and the two smaller sections are placed and fastened on each side thereof. Now, should this larger section begin to sag at any point—say, for instance, at one side—this section may be reversed endwise or removed and placed at the head or foot and one of the smaller sections placed in the center.

It will of course be understood that this

can only be done advantageously when the sagging is only temporarily caused by the displacement of the filling of the mattress, and not from any defect or breakage of the springs.

5 When it is desired to clean any or all of the sections, it can be easily accomplished by taking them apart and then beating the dust out the mattress of each separate section.

Having thus described my invention, what I claim as new therein, and am desirous of securing by Letters Patent, is—

1. In a bed-bottom, the combination of the following elements, viz: a frame-work made in sections, each provided with the locking-  
15 hook *f*, attached to the lower bar *a'* of each section or frame and adapted to engage the opposite bar of the adjacent section for removably fastening said sections together, for the

purpose set forth, spiral springs *d*, and mattress B B B, also made in sections and attached to said springs, substantially as described. 20

2. In a bed-bottom, the combination of the following elements, viz: a frame-work made in sections, each provided with the locking-  
25 hook *f*, for the purpose set forth, spiral springs *d*, mattress B B B, also made in sections and attached to said springs, and elastic brace *e* inside of each section of the mattress, substantially as described. 30

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM F. ADE, JR.

Witnesses:

LOUIS WELKER,  
WILLEAN E. PEARD.