

B. F. S. Monroe,
Bed Bottom,
N^o 22,742. Patented Jan. 25, 1859.

Fig: 1

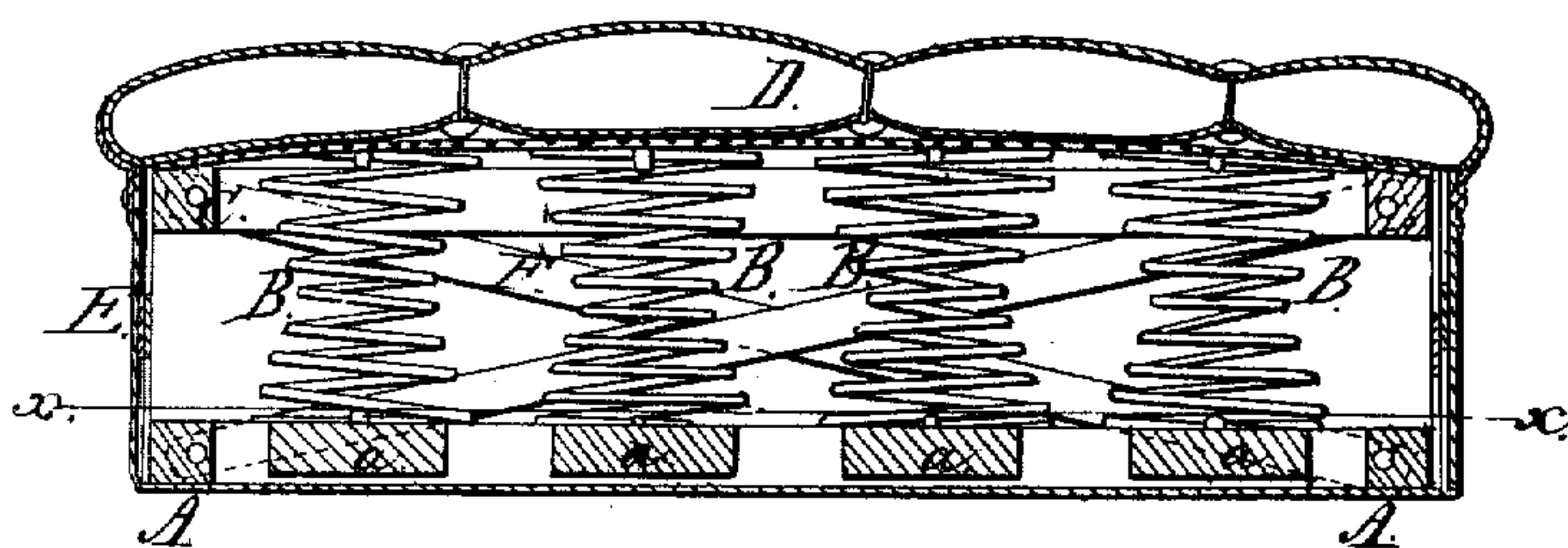
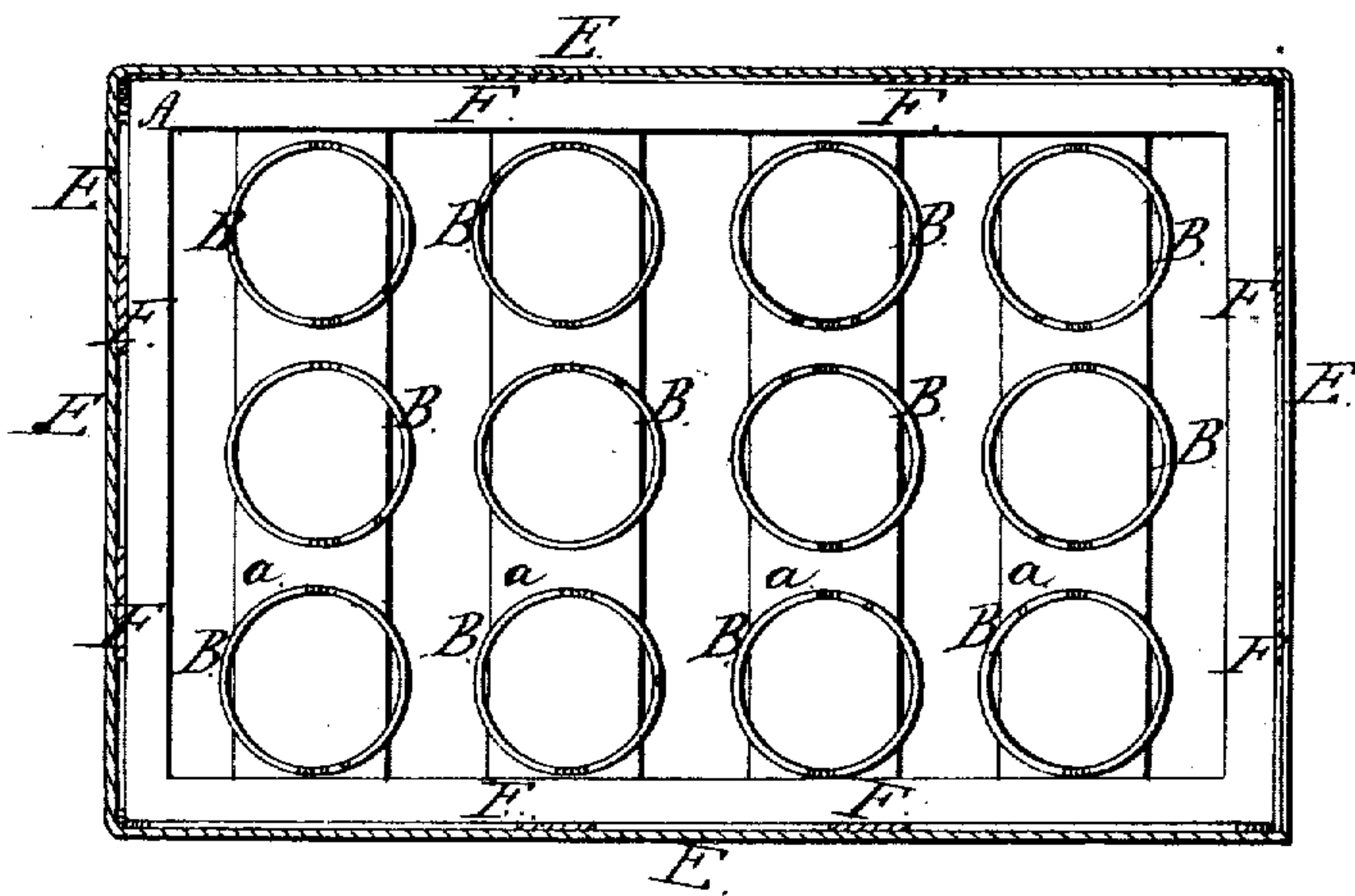


Fig: 2.



Witnesses;
Henry Lathrop,
John H. Shaper.

Inventor;
B. F. S. Monroe.

UNITED STATES PATENT OFFICE.

B. F. S. MONROE, OF UTICA, NEW YORK.

BED-BOTTOM.

Specification of Letters Patent No. 22,742, dated January 25, 1859.

To all whom it may concern:

Be it known that I, B. F. S. MONROE, of Utica, in the county of Oneida and State of New York, have invented a new and useful Improvement in Spring Bed-Bottoms, which improvement is also applicable to seats for chairs, sofas, and all articles or work where springs are employed for upholstery purposes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a vertical section of a bed-bottom constructed according to my invention. Fig. 2, is a horizontal section of ditto, taken in the line x, x , Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to allow the outermost rows of springs in a bed bottom, chair seat, or other article in which they may be placed, equal freedom of movement with the innermost springs without any lateral play, so that each spring will be permitted to bear its proportion of weight, and, while being kept in proper position, allowed to yield or give to the full extent of its movement, thereby rendering the article in which they are placed far more elastic, durable and altogether more desirable in every respect, than any of those hitherto constructed that have passed under my observation.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A represents a rectangular frame in which a series of slats a , are placed, which form seats for springs B, the latter being secured to the slats or seats. The springs B, may be constructed in the usual way, or be of such form as is generally used for upholstery purposes and which are plainly shown in Fig. 1.

C, is a rectangular frame on the upper part of which a mattress D, is secured. This mattress may be constructed in the usual or in any proper way and therefore does not require a minute description. The upper ends of the springs B, are attached to

the bottom of the mattress D, as plainly shown in Fig. 1.

The two frames A, C, are covered all around by any suitable fabric E, and the said frames within the fabric, and at each side, are connected by cross bands of webbing F, as shown in Fig. 1, the webbing being attached to the corners of the frames, each band F, being attached at one end to a corner of the lower frame A, the opposite end being attached to an opposite corner of the upper frame C.

The parts arranged as above described form a bed bottom, and it will be seen that each spring is perfectly free to yield or give to its fullest extent, the fabric E, of course folding as the springs B, are compressed, and the cross bands F, preventing the springs B, from moving laterally in either direction, confining them strictly to a vertical movement.

The difficulty attending the bed-bottoms, chair seats, &c., as hitherto constructed is, that the springs are placed in permanent boxes or within rigid frames which prevent the outermost rows of springs from being acted upon, the central springs sustaining the greatest part of the weight and consequently being the chief dependence of the bed-bottom or seat. It will readily be seen therefore that my invention possesses important advantages over the old mode of construction, as every spring is free to act and each made to bear its proportion of weight, thereby rendering the bed-bottom or other article more elastic and durable than those hitherto constructed.

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

The two frames A, C, with the springs B, secured between them, the frames being connected by the cross bands F, covered or enclosed by any suitable fabric E, and the upper frame supporting the seat or mattress D, the whole being arranged substantially as and for the purpose set forth.

B. F. S. MONROE.

Witnesses:

HENRY LATHROP,
JOHN H. SHOFR.