

Morse & Bean,

Bed Bottom,

No 28,766,

Patented June 19, 1860.

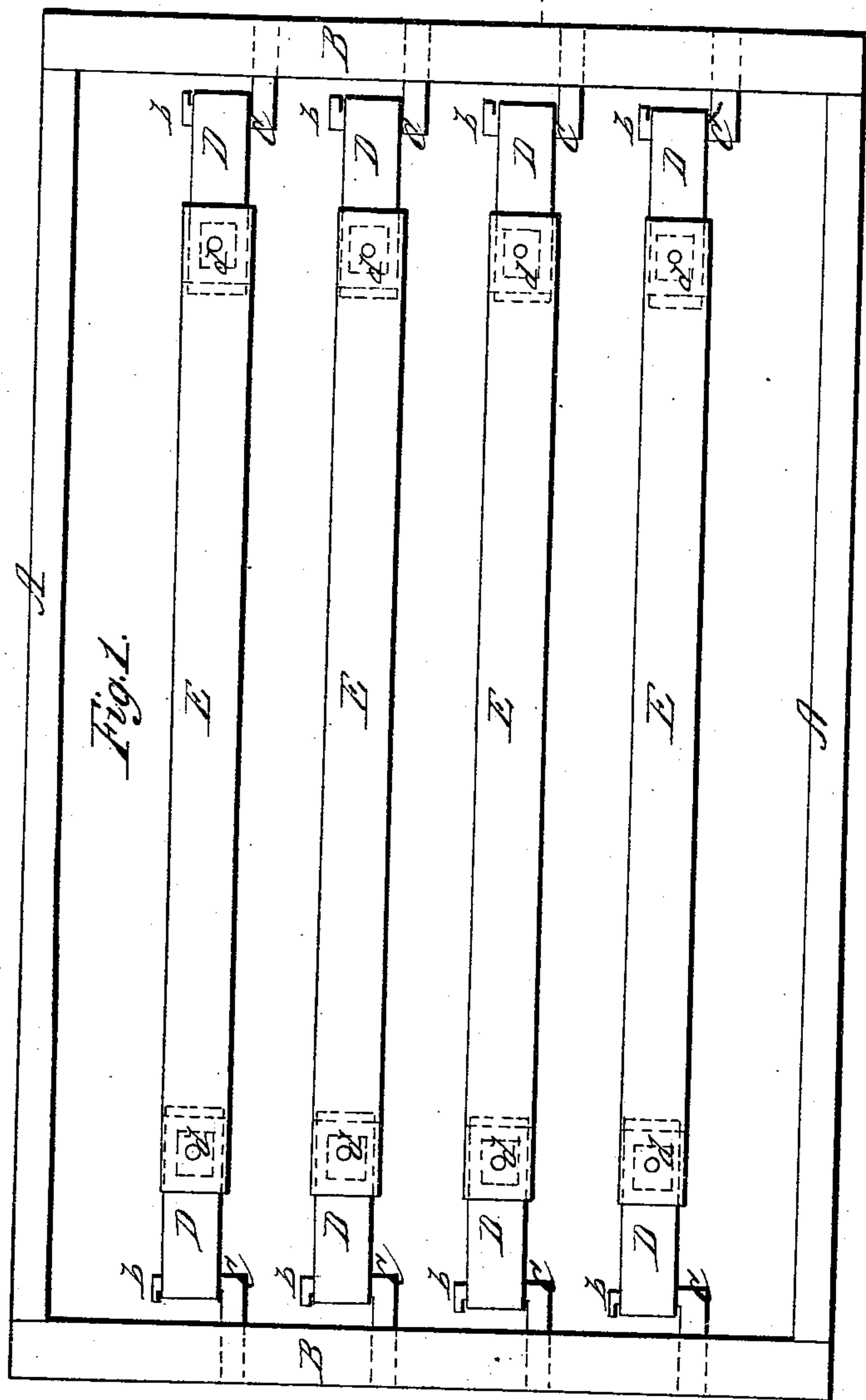


Fig. 2.

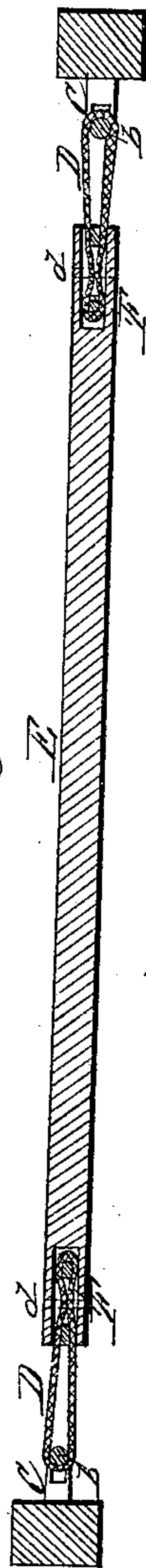


Fig. 4.

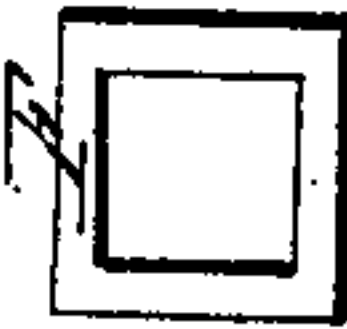
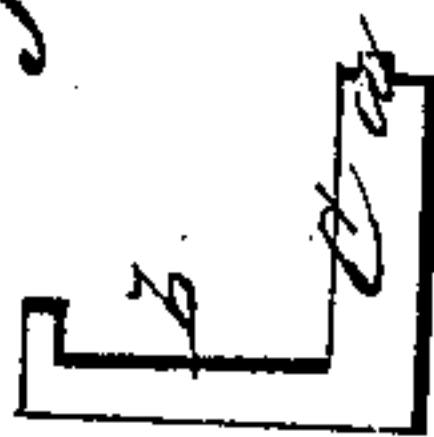


Fig. 3.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

WM. A. MORSE AND D. S. BEAN, OF BOSTON, MASSACHUSETTS.

## SPRING BED-BOTTOM.

Specification of Letters Patent No. 28,766, dated June 19, 1860.

*To all whom it may concern:*

Be it known that we, W. A. MORSE and D. S. BEAN, both of Boston, in the county of Suffolk and State of Massachusetts, have  
5 invented a new and Improved Spring Bed-Bottom; and we 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  
10 specification, in which—

Figure 1 is a plan or top view of our invention. Fig. 2 is a longitudinal section of same taken in the line  $x, x$ , Fig. 1. Fig. 3, a detached view of a hook of same. Fig. 4,  
15 a detached view of a metallic frame of same.

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

This invention relates to an improvement in that class of spring bed-bottoms in which  
20 wooden slats are used in combination with elastic attachments.

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

25 A, A represent the side and B, B, the end rails of a bedstead. Into the inner sides of the end rails B, B, we drive metal hooks C, the tangs  $a$ , of which are of rectangular form in order to insure a good hold in the  
30 rails, the outer hooked parts  $b$ , being rounded for the purpose hereinafter stated. The hooked parts  $b$ , of the hooks are not curved in order to form the hook, they are in angular form, as shown clearly in Figs.  
35 1 and 3, so that a straight bearing may be obtained, on which to catch the elastics D, as shown in Fig. 1.

The elastics D, are of india-rubber, and they are about equal in width to wooden  
40 slats E, to the ends of which they are attached; the elastics being also equal in width to the straight portions  $b$ , of the hooks C, over which the elastics are hooked or passed in order to attach the slats E, to  
45 the rails B, B.

The slats E, of course are parallel with each other and with the side rails A, A, of the bedstead, and they are slotted at the

ends to receive the elastics D, which are endless bands, and consequently fitted double  
50 into the ends of the slats. Within each elastic a square metal frame F, is fitted, said frames being equal in width to the slats, and of such a thickness as to admit of being  
55 fitted in the slots of the slats with the elastics encompassing them, as shown clearly in Fig. 2. Through the ends of the slats, rails  $d$ , are driven, said rails passing through  
60 the centers of the frames F, one through each, and firmly binding the elastics between the frames F, and the sides of the slots.

The frames F, insure the binding or clamping of the elastics within the slots of the slats, their entire width so that each  
65 portion of the elastics will be subjected to an equal strain or tension. This is an important feature of the invention, for it not only renders the elastics more durable but also far more efficient than by the usual  
70 mode of attachment, which consists of nails only driven directly through the slats and elastics and which admit of the elastics stretching or giving between the nails, two  
75 being generally employed at each end of the slats.

The parts  $b$ , of the hooks C, are rounded to prevent the cutting or chafing of the elastics.

By this invention it will be seen that the  
80 slats E, may be readily attached and detached from the rails B, the elastics subjected to an equal tension and in case of a slat becoming sprung it may be readily inverted.

Having thus described our invention what  
85 we claim as new and desire to secure by Letters Patent, is:—

The arrangement of the hooks C, elastics D, and metal frames F, as shown, for the  
90 purpose of attaching the slats E, to the rails B, of the bedstead.

WM. A. MORSE.  
D. S. BEAN.

Witnesses:

W. W. DOHERTY,  
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