

W. A. MANCHEE.

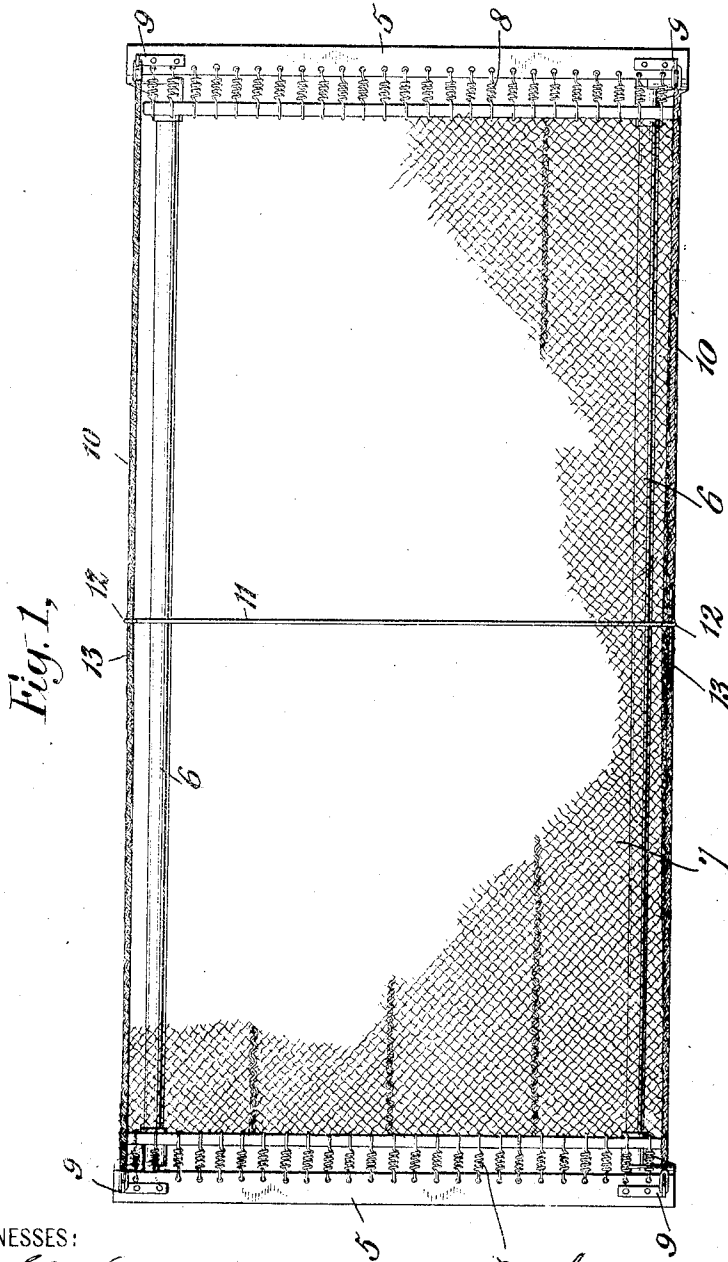
BED BOTTOM.

APPLICATION FILED NOV. 10, 1909.

958,266.

Patented May 17, 1910.

2 SHEETS—SHEET 1.



WITNESSES:

Spencer Andrews Jr.
F. B. Graves.

INVENTOR

Wilfred A. Manchee
BY *Chapman & Raymond*
ATTORNEYS

958,266.

Patented May 17, 1910.

2 SHEETS—SHEET 2.

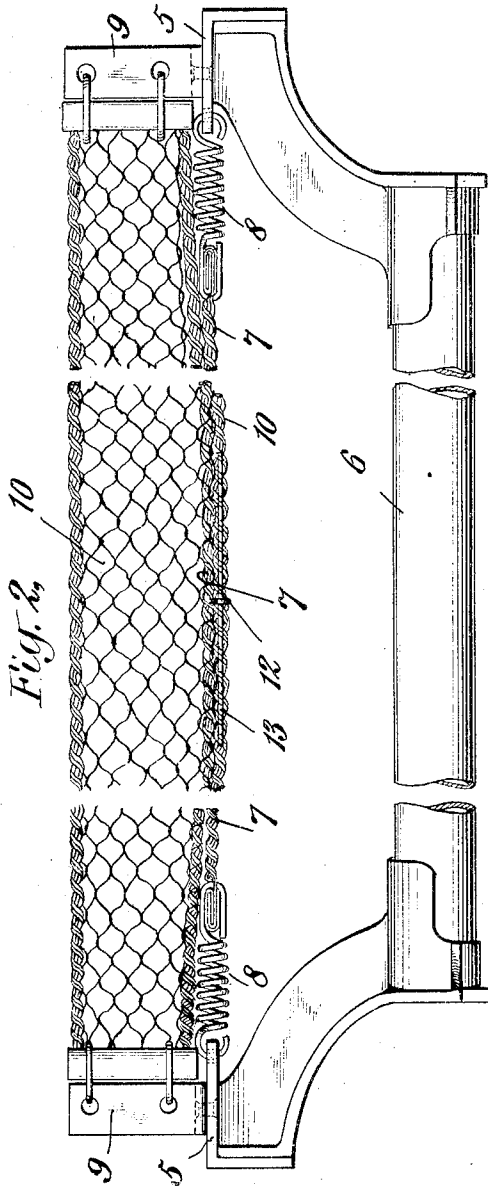


Fig. 2.

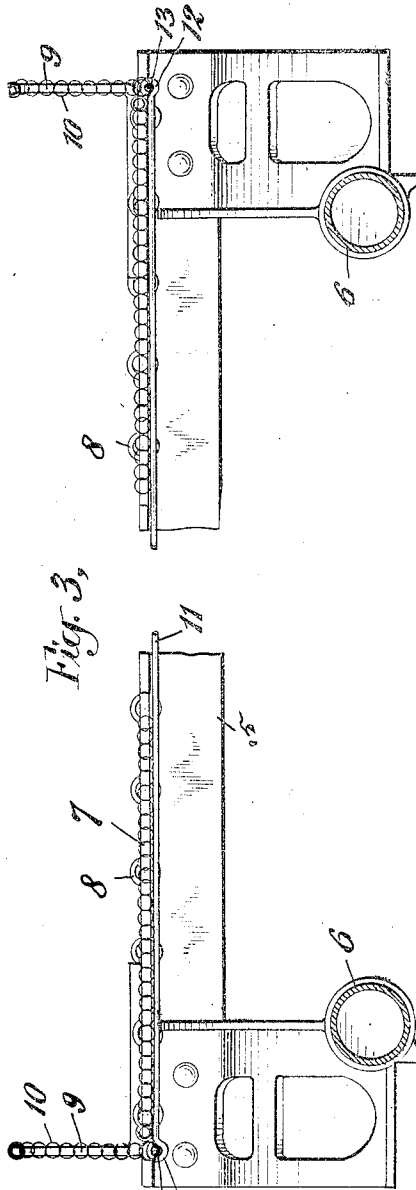


Fig. 3.

WITNESSES:

Symant & Andrews Jr.
J. B. Graves

INVENTOR

Wilfrid A. Manchee
BY *Chapman & Raymond*
his ATTORNEYS

UNITED STATES PATENT OFFICE.

WILFRID A. MANCHEE, OF NEWARK, NEW JERSEY, ASSIGNOR TO NEWARK SPRING MATTRESS COMPANY, OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

BED-BOTTOM.

958,266.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed November 10, 1909. Serial No. 527,327.

To all whom it may concern:

Be it known that I, WILFRID A. MANCHEE, a citizen of the United States of America, and a resident of Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Bed-Bottoms, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

10 My invention relates to improvements in bed bottoms and particularly to attachments therefor to prevent the lateral displacement of the mattress supported thereby.

15 My invention consists in vertical woven fabric members located at the side of the ordinary horizontal member of the bed bottom, and end supports therefor conveniently carried by the end rails of the bed bottom frame. The horizontal member of the bed 20 bottom may be a woven fabric similar to the material of which the vertical members are formed, but it is the essence of my invention that the two members shall be separate and independent. This is for the reason that 25 while in use the bed bottom is under considerable tension, the same is not true of the vertical elements and when the vertical elements are formed as a part of the bed bottom fabric, this is apt to cause a buckling of the 30 vertical elements such as is highly undesirable. I preferably employ a connecting element between the two vertical members which is connected to the lower edge of the 35 said vertical members about midway of the length thereof and which lies, immediately beneath the fabric of the bed bottom proper. This performs the double function of preventing the side elements from spreading at 40 the bottom and compelling the lower edge of the side elements to approximately follow the downward movement of the bed bottom so as to prevent any considerable gap from appearing between the lower edge of the vertical elements, and the lateral edge of the 45 bed bottom.

In order that my invention may be thoroughly understood, I will now proceed to describe an embodiment thereof having reference to the accompanying drawings illustrating the same and will then point out the novel features in claims.

Figure 1 is a top view of a bed bottom constructed in accordance with my invention. Fig. 2 is a view in side elevation upon an en-

larged scale, certain portions being broken 55 away to permit of the illustration of the other parts upon a larger scale than would otherwise be possible. Fig. 3 is an end view of the bed bottom with portions similarly broken away.

60 The bed bottom frame comprises the usual end rails 5—5 and longitudinal side rods 6—6, and the usual or any desired form of woven fabric 7 is suspended from the end rails through the medium of helical springs 8. 65 The end rails 5 are provided at their ends with brackets 9 to which are secured vertical woven-fabric members 10. The woven-fabric of the members 10 may be, and preferably is, similar to that employed for the horizontal member 7, but the said vertical members are preferably secured directly to the 70 brackets 9 without the employment of springs corresponding to the helical springs 8. A transverse connecting element 11, conveniently of stout wire, is secured at its opposite ends 12 to the lower edges of the vertical 75 members 10, short rods 13 being conveniently located in the heavy binding portion with which woven-fabric of this description is 80 generally provided, to constitute a part to which the wire ends may be secured. The connecting element 11 is preferably located immediately beneath the under side of the horizontal member 7, the tension upon the 85 vertical members, due partly to the fact that the whole fabric is initially under tension, and partly to the fact that the lower edge thereof is slightly distorted by the said connecting means, causing the connecting means 90 to lie snugly in place.

It will be apparent that when a mattress is placed upon the horizontal member 7, the vertical members 10 will tend to hold the same against lateral displacement. The 95 members 10 are preferably of a height slightly less than the thickness of the mattress, or at least not greater than such thickness, so that they will not appear when the bed is made up. Furthermore, when the 100 bed is in use, the connecting element will prevent any substantial opening being formed between the adjacent edges of the horizontal and vertical members, while at the same time, owing to the fact that the 105 vertical members are formed as parts independent of the horizontal member, there will be no tendency of the vertical members to

buckle at such times, and particularly when the weight is unevenly distributed along the horizontal member.

What I claim is:

5 1. The combination with a bed bottom frame and a horizontal metallic fabric suspended between the end members of the said frame, of independent vertical metallic fabric members located in proximity to the
10 lateral edges of the said horizontal member, means located beneath the said horizontal member for connecting the lower edges of the said vertical members together, and means carried by the end members of the
15 said frame for supporting the said vertical members and holding them longitudinally under tension.

2. The combination with a bed bottom frame and a horizontal metallic fabric suspended between the end members of the said
20 frame, of independent metallic fabric members located in proximity to the lateral edges of the said horizontal member, a wire rod secured at its opposite ends to the lower ends
25 of the said vertical members and disposed intermediate its ends immediately beneath

the said horizontal member, and means carried by the end members of the said frame for supporting the said vertical members and holding them longitudinally under tension.
30

3. In a bed bottom construction, the combination with a supporting frame, of a horizontally disposed metallic fabric suspens-
35 sively supported under tension by the said frame, and two independent vertical metallic fabric members located in proximity to the lateral edges of the said horizontal member, but generally unconnected therewith, the
40 said vertical members being also supported under tension by the said frame and means connecting the lower edge of the said vertical members to the lateral edges of the said
45 horizontal member, at a single point substantially midway of the ends thereof, to cause the former to move downward with the latter.

WILFRID A. MANCHEE.

Witnesses:

D. HOWARD HAYWOOD,
LYMAN S. ANDREWS, Jr.