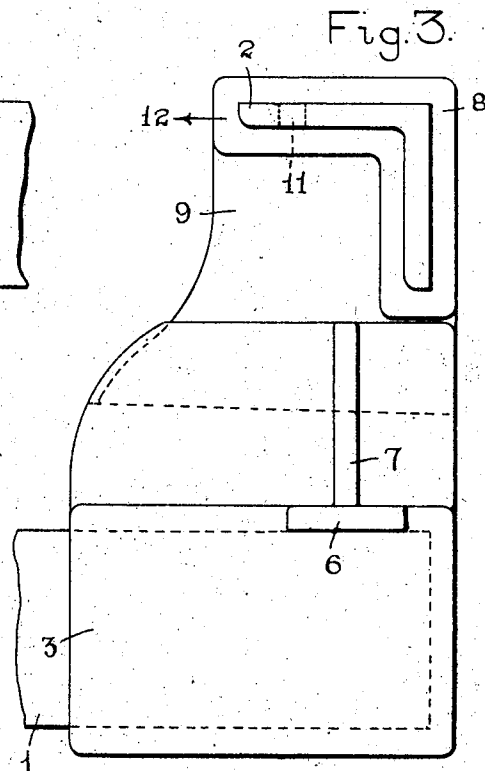
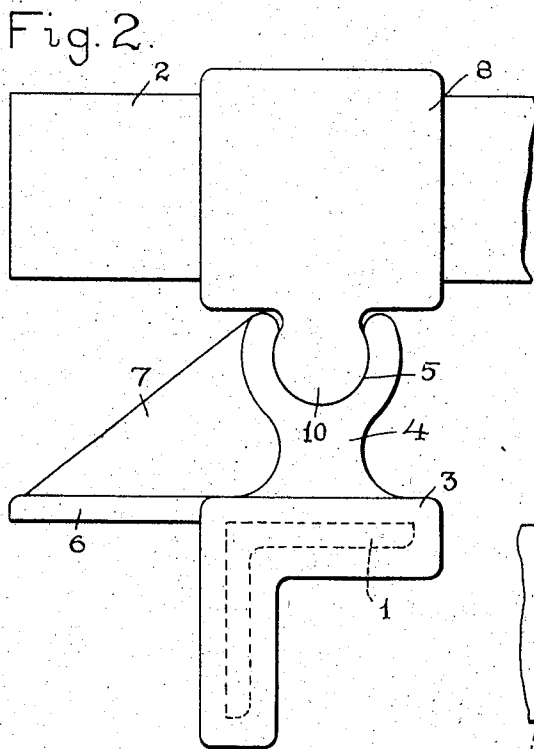
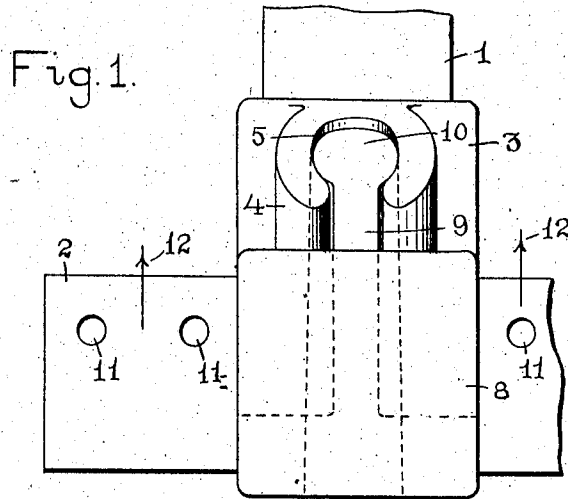


No. 839,097.

PATENTED DEC. 25, 1906.

G. E. BIGELOW.
CORNER FASTENING FOR SPRING MATTRESSES.
APPLICATION FILED OCT. 2, 1905.



Witnesses

Roy D. Tolman.

Envelope Comberbach.

Inventor

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GEORGE E. BIGELOW, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO
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CORNER-FASTENING FOR SPRING-MATTRESSES.

No. 839,097.

Specification of Letters Patent.

Patented Dec. 25, 1906.

Application filed October 2, 1905. Serial No. 280,906.

To all whom it may concern:

Be it known that I, GEORGE E. BIGELOW, a citizen of the United States, residing at Worcester, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Corner-Fastenings for Spring-Mattresses, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 represents a perspective view of my improved corner-fastening. Fig. 2 is a rear view of the same, and Fig. 3 is a side view of the same.

Similar reference-figures refer to similar parts in the different views.

My invention relates to a corner-fastening by which the end and side rails of a spring-bed are united, with the end rails supported above the side rails and in position to have a spring bed-bottom attached thereto.

In the accompanying drawings I have shown one of my improved corner-fastenings with one end of a side rail and one end of an end rail of a bed-bottom connected by the corner-fastening. In the construction of bed-bottoms it is customary to securely bolt both the side and end rails to the corner-fastenings; and it is the object of my present invention to provide a means for connecting the end and side rails of a bed-bottom so the bed-bottom may be knocked down and set up without the employment of bolts and nuts, thereby reducing the number of parts in the bed-bottom and enabling the bed-bottoms to be shipped in bundles in a knockdown state and readily assembled without the use of wrenches or other tools.

Referring to the accompanying drawings, in which I have shown one of my improved corner-fastenings, the remaining three employed in the construction of a bed-bottom being duplicates, 1 denotes a side rail of a bed-bottom, and 2 one of the end rails, said end and side rails being formed of a strip of iron or steel angle-iron. Cast around one end of the side rail 1 and firmly attached thereto by the process of casting is a sleeve 3, upon which is mounted a rib 4, provided with a horizontal semicircular groove 5, which is slightly tapering, that end of the

groove being the largest which is directly over the end of the side rail 1.

From one side of the sleeve 3 an arm 6 projects, braced by a triangular web 7 between the arm 6 and the rib 4. The laterally-projecting arm 6 is adapted to rest upon the bedstead, and thereby support the bed-bottom. The end rail 2 near its end is inclosed by a sleeve 8, which is cast upon the end rail, and firmly attached thereto by the process of casting. Depending from the center of the sleeve 8 is a web 9, on the lower edge of which is a semicircular rib 10, slightly tapering and adapted to be drawn endwise into the semicircular groove or socket 5.

Springs are attached to the end rail by holes 11 or otherwise, and the strain upon the end rails when the bed is in use is in the direction of the arrows 12 12, Figs. 1 and 3, which tends to draw the semicircular ribs 10 more firmly into the sockets 5, and as the ribs 10 and sockets 5 are slightly tapering the ribs become wedged in the sockets, forming a firm joint between the upper and lower members of the corner-fastenings.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination with the side and end rails of a bed-bottom, of a corner-fastening uniting the ends of said side and end rails, and consisting of sleeves attached to the ends of said rails, with the sleeve upon the side rail provided with a tapering groove parallel with the side rail, and with the sleeve upon the end rail provided with a tapering rib transverse to the end rail, with the outer ends of said grooves and said ribs the largest, whereby a pulling strain between the end rails will draw the ribs into said grooves.

2. In a bed-bottom, the combination of a side rail, a member attached to said side rail and having a rib projecting upwardly therefrom, provided with a tapering groove in its upper edge parallel with the side rail, an end rail, a member attached to said end rail and having a web depending therefrom provided with a tapering rib transverse to said end rail and fitting said groove.

3. In a bed-bottom, the combination with a side and end rail, of a connecting corner-fastening between the ends of said rails, con-

sisting of two members, one of said members
being attached and projecting at right an-
gles from the end of the side rail, and the
other of said members being attached to and
5 projecting at right angles from the end of the
end rail, one of said members having a taper-
ing groove, and the other of said members
having a tapering rib fitting said groove, with
the axis of said groove and said rib parallel

with the side rail, whereby a pulling strain 10
between said end rails will draw the ribs
firmly into said grooves.

Dated this 23d day of September, 1905.

GEORGE E. BIGELOW.

Witnesses:

PENELOPE COMBERBACH,
RUFUS B. FOWLER.