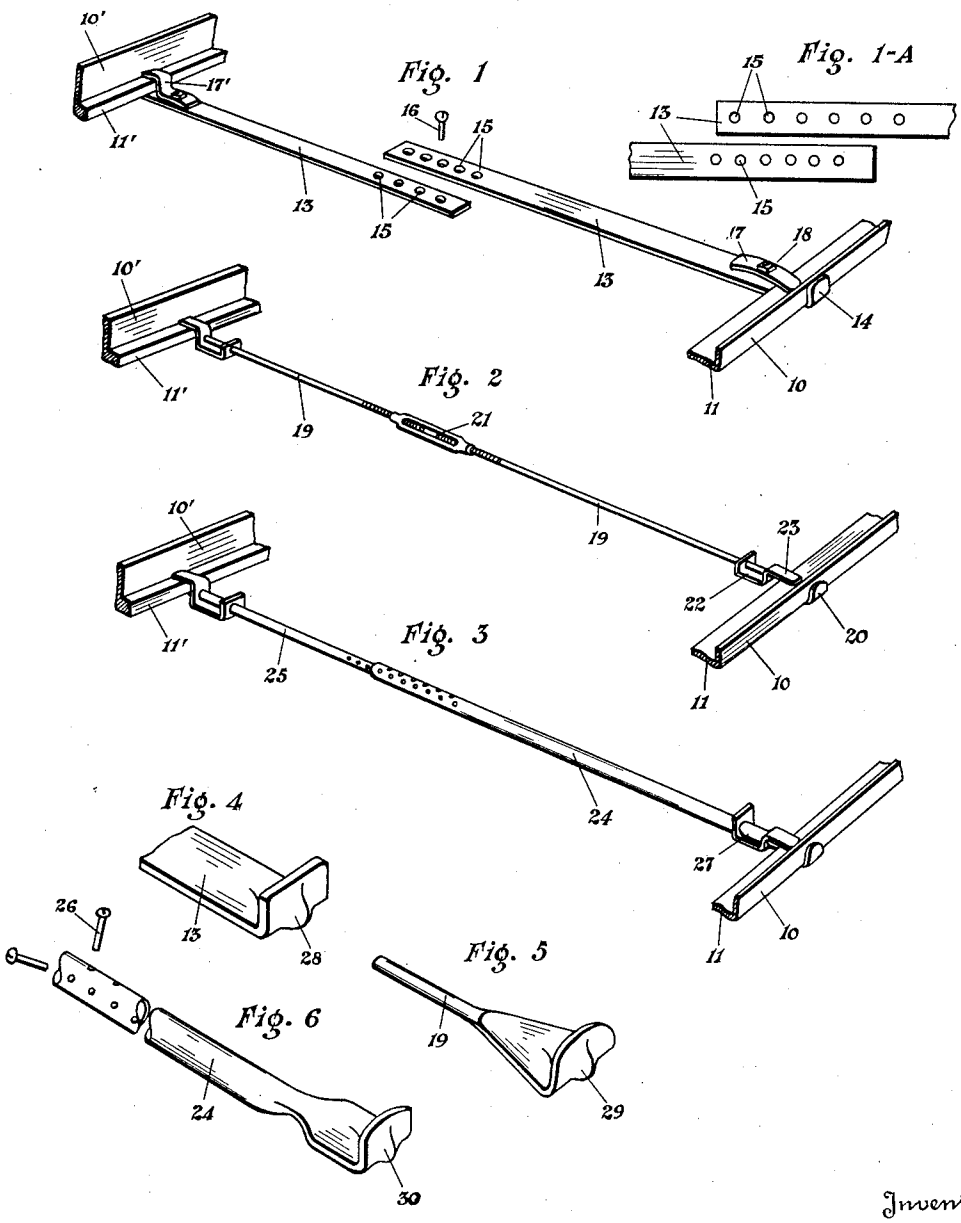
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ANTISPREAD DEVICE FOR BEDS

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## ANTISPREAD DEVICE FOR BEDS

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1 Claim. (Cl. 5—305)

My invention relates to devices for preventing the spread of the side rails of a bed, its primary object being the provision of a device of the kind specified which may be manufactured and sold at a low cost and which will effectually prevent the spreading of the side rails.

Another of the objects of my invention is the provision of a device for preventing the spreading of the side rails of a bed, the device having adjustable features whereby it may be secured to beds of various widths.

Another of my objects is the provision of an anti-spread device which may be applied to either wooden or iron beds.

It is also my object to provide such a device which will prevent squeaking and creaking of the bed and which will prolong the life of the bed.

Having in view these objects and others which will be pointed out in the following description, I will now refer to the drawing, in which

Figure 1 is a view in perspective of a form of my device employing straps for the brace.

Figure 1A is a plan view showing the inner end portions of the two straps employed in the Figure 1 construction and showing particularly the relative positions of the apertures which make possible an exceedingly fine adjustment of the length of the brace.

Figure 2 is a perspective view showing the use of rods and a turn buckle in my anti-spread device.

Figure 3 is a view in perspective of a similar device employing tubular rods for the brace.

In Figures 1, 2 and 3 I show wooden side rails at one end and angle steel side rails at the other end, the purpose being to show the slight modifications which become necessary on the two types of beds.

Figure 4 is a view in perspective of an optional construction at the outer ends of the straps shown in Figure 1.

Figure 5 illustrates a modification applicable to the rods employed in the Figure 2 construction.

Figure 6 is an illustration of the end portion of one of the tubular members in the Figure 3 construction.

The brace shown in Figure 1 includes two overlapping straps 13 each having an upturned outer end portion 14. The inner end portions of these straps are provided with apertures 15 for receiving a pin 16 to hold them in adjusted position. By reference to Figure 1A it will be seen that these apertures are uniformly spaced in each strap but that they are differently spaced in the two straps. By this means the straps may be shifted toward or away from each other over exceedingly slight distances in order to bring a pair of apertures into alignment with each other. The arrangement is such that in any given position only two apertures are in alignment at a time. The straps 13 are further provided with clips 17 or 17', their shape being determined by the shape of the horizontal portion of the side rail. These clips are bowed and they are made of resilient material so that they will be held firmly in place against the straps 13 by means of screw threaded bolts 18. The clips pass over the top surfaces of the horizontal portions of the side rails to prevent the accidental release of the brace consisting of the two straps 13.

Figure 2 shows a slight modification. In this case the straps are replaced by rods 19 having flattened outer end portions 20. The inner end portions of the rods 19 are screw threaded for the reception of a turn buckle 21 for adjusting the length of the brace. The clips 22 are U-shaped and apertured for the reception of the rods 19 and they are provided with outwardly projecting tongues 23 adapted to overlie the horizontal portion of the side rail.

Figure 3 shows another modification. In this case a tubular member 24 cooperates with a rod or a smaller tubular member 25 for lengthening or shortening the brace. The rod or tubular member 25 has a telescoping relation into the tubular member 24 and both are provided with apertures as shown in Figures 3 and 6 for the reception of pins 26 for holding the parts 24 and 25 in fixed position relative to each other. The clips 27 are similar in all respects to the clips 22 except that the apertures must necessarily be of a size to receive the tubular member 24 or the rod or tubular member 25.

In Figures 1, 2 and 3, I have shown flattened ends 14 and 20 at the outer ends of the braces. These, however, may be modified in various ways. Since perhaps the best material for the purpose is sheet steel having resilience in a certain degree, it is desirable that these ends be reinforced. In sheet steel constructions this is very easily done by means of a rib 28 as shown in Figure 4, the rib being impressed in the metal of the strap 13 at the bend. In the Figure 2 construction, the flattened end portion can best be provided by securing it to the rods 19 as shown in Figure 5. This construction also shows a rib 29 similar to the rib 19 and similarly formed. In the Figure 6 construction, the flattened end portion may be made by flattening the end of the tube 24 and

by forming it into the general shape of the end portion in the Figure 2 construction. The flattening and bending operations may be performed simultaneously and the end portion may be provided with a rib 30 during the flattening and bending operations.

Having thus described my invention in such full, clear, and exact terms that its construction and operation will be readily understood by others skilled in the art to whihch it pertains, what I claim as new and desire to secure by Lttters Patent of the United States is:

A device for preventing the spreading of the side rails of a bed, said device including two aligning rods in end to end relation, the inner end portions of said rods being screw threaded, a turn buckle connecting said rods at their inner extremities, the outer end portions of said rods being flattened and being upturned at points intermediate the extremities of the flattened portions whereby the flattened portions may engage both the under and outer sides of the side rails of the bed, U-shaped resilient clips each having a lower horizontal member and a pair of vertical members projecting upwardly at the extremities thereof, said vertical members being each provided with an aperture for the slidable reception of said rod whereby the resilience of said clips results in a binding action to resist slidable movement of said clips on said rod, and tongues projecting outwardly from said clips for cooperating with the flattened portions of the rods to clamp said device about the horizontal inwardly projecting members of the side rails of the bed.

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