No. 637,770. Patented Nov. 28, 1899.

J. D. EARLE.

BRACE FOR BEDSTEADS.

(Application filed Sept. 9, 1899.)

(No Model.)

Fig. 1.

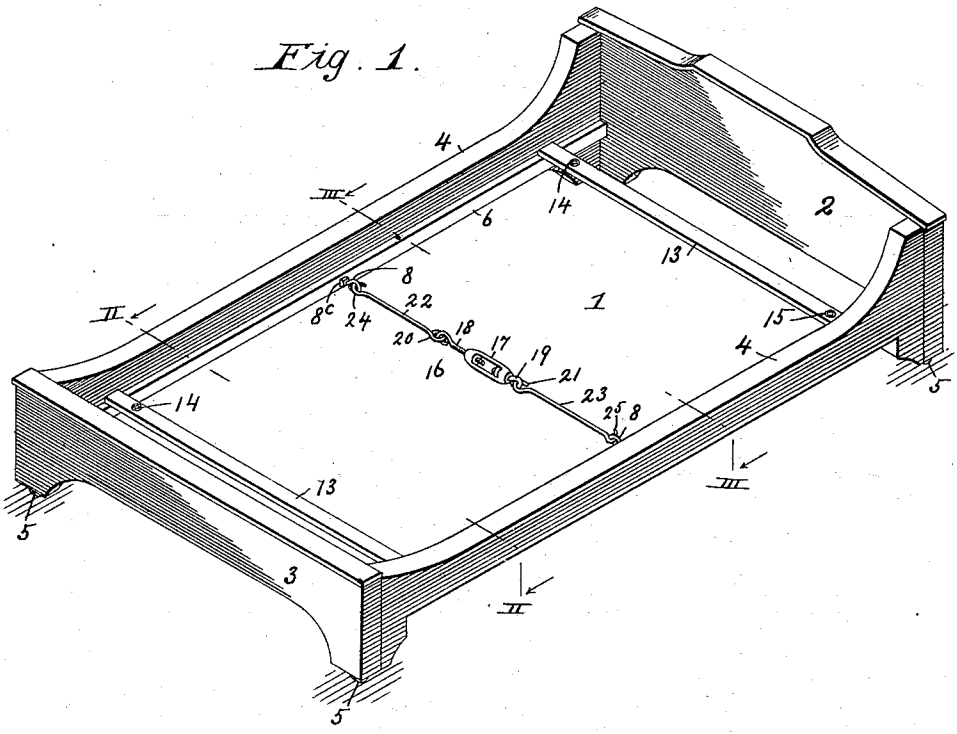


Fig. 2.

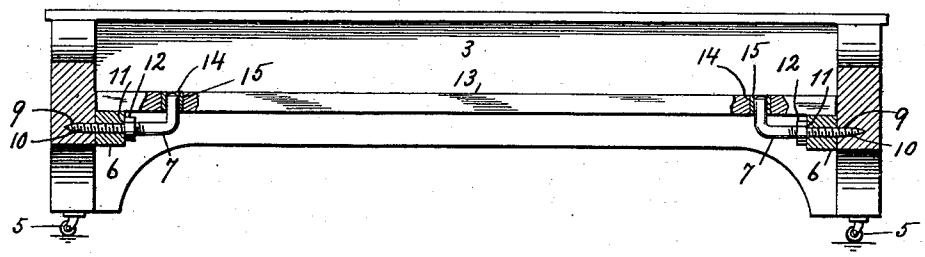
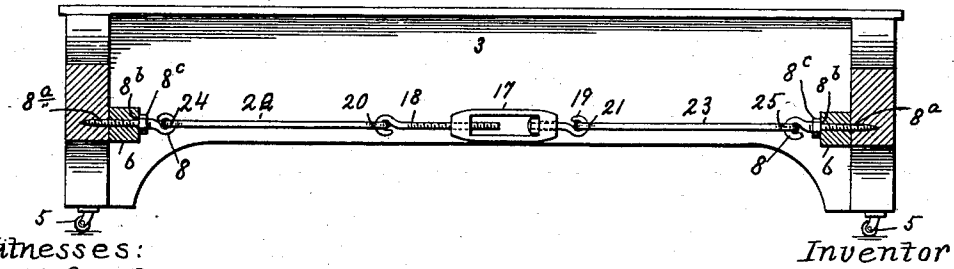


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JEAN D. EARLE, OF KANSAS CITY, MISSOURI.

BRACE FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 637,770, dated November 28, 1899.

Application filed September 9, 1899. Serial No. 729,934. (No model.)

To all whom it may concern:

Be it known that I, JEAN D. EARLE, of Kansas City, Jackson county, Missouri, have invented certain new and useful Improvements in Braces for Bedsteads, of which the following is a specification.

My invention relates to improvements in a combination bed-slat and tension-rod; and my object is to provide suitable means for preventing the spreading of the side rails of bedsteads, and thereby obviate the accidental displacement of the bed-slats, so annoying in beds of this character.

The invention may be further said to consist in the novel arrangement and combination of parts, as will be hereinafter described, and more particularly pointed out in the claim.

Referring now to the accompanying drawings, Figure 1 is a perspective view of a bedstead provided with my improvement. Fig. 2 is a cross-section taken on the line II II of Fig. 1, illustrating the manner in which the bed-slats are secured in position. Fig. 3 is a cross-section taken on line III III of Fig. 1, showing the tension-rod forming part of the invention.

1 indicates a bedstead provided with suitable head and foot boards 2 and 3, respectively, held in position by side rails 4, the whole being mounted on suitable caster-rollers 5 for convenience in shifting about.

6 6 indicate wooden strips secured to the inner surfaces of the side rails by means of screw-hooks and threaded eyebolts 7 8, respectively. The reduced ends 9 of the screw-hooks are provided with threads 10 to facilitate their entrance into strips 6 and the side rails 4. Said threads extend back to shoulders 11, where the screw-hooks are enlarged and threaded to receive jam-nuts 12, which are screwed up against the strips 6 for the purpose of retaining said screw-hooks and strips in position.

After the screw-hooks have been adjusted to the position shown by Fig. 2 and the jam-nuts tightened up against strips 6 bed-slats 13, provided with eyelets 14 to receive the vertical portions of the screw-hooks, are placed in position, as shown in the above-mentioned figure. Said eyelets are lined with metallic rings 15 to relieve them of any wear which might ensue when the bed is in use.

The central portions of the side rails are prevented from spreading by an adjustable tension-rod 16, consisting of a turnbuckle 17, provided at one end with a threaded eyebolt 18 and at its opposite end with a swiveled eyebolt 19. Said eyebolts are loosely engaged at their outer ends by the looped portions 20 21 of rods 22 23, having hooks 24 25, respectively, at their outer ends for engagement with eyebolts 8. Said eyebolts are similar in construction to the screw-hooks—that is, they have reduced threaded ends 8^a for piercing strips 6 and entering the side rails 4, said threads extending back to shoulders 8^b, which are threaded to receive jam-nuts 8^c, that lock the eyebolts in their proper position.

By securing the bed-slats in position by means of the screw-hooks it is unnecessary to mortise strips 6, and consequently the latter can be more readily cleaned than when mortised strips are employed. Furthermore, when the bed-slats are secured by the screw-hooks and the tension-rod is properly adjusted the side rails are prevented from springing either inwardly or outwardly, and consequently insure a more rigid connection between their opposite ends and the head and foot boards.

When a spring-mattress is employed between the bed tick and slats, it is necessary to use only two of the latter, one near each end of the bedstead, as shown by Fig. 1, but of course more slats may be employed at will by simply providing more screw-hooks at intervals between the two shown by the above-mentioned figure.

From the above description it will be understood that I have produced a simple and inexpensive arrangement which may be readily applied or removed from a bedstead and one which is durable and thoroughly effective for the purpose intended.

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

An improvement in bedsteads, consisting of side strips suitably secured to the side rails thereof, eyebolts having reduced threaded

portions, adapted to be screwed through the side strips into the side rails, said reduced portions extending back to shoulders 8^b, where the eyebolts are enlarged and threaded; jam-nuts adjustably located on said enlarged threaded portions for the purpose of locking the eyebolts in any desired position, rods having hooked outer ends for engagement with the eyebolts, and looped inner ends; a turnbuckle provided at one end with a swiveled eyebolt for engagement with the looped end of one of the rods, and a threaded eyebolt at its opposite end for engagement with the looped end of the other rod, substantially as set forth and described.

In testimony whereof I affix my signature in the presence of two witnesses.

JEAN D. EARLE.

Witnesses:
H. C. RODGERS,
G. Y. THORPE.