Sept. 30, 1952 L. F. CLERC 2,611,907

ADJUSTABLE BED FRAME

Filed Feb. 23, 1949

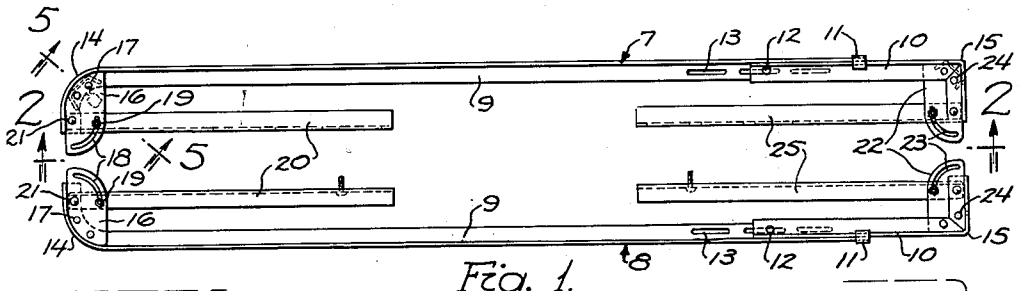


Fig. 1.

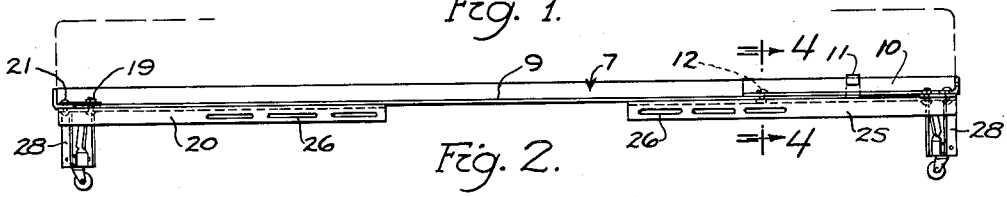


Fig. 2.

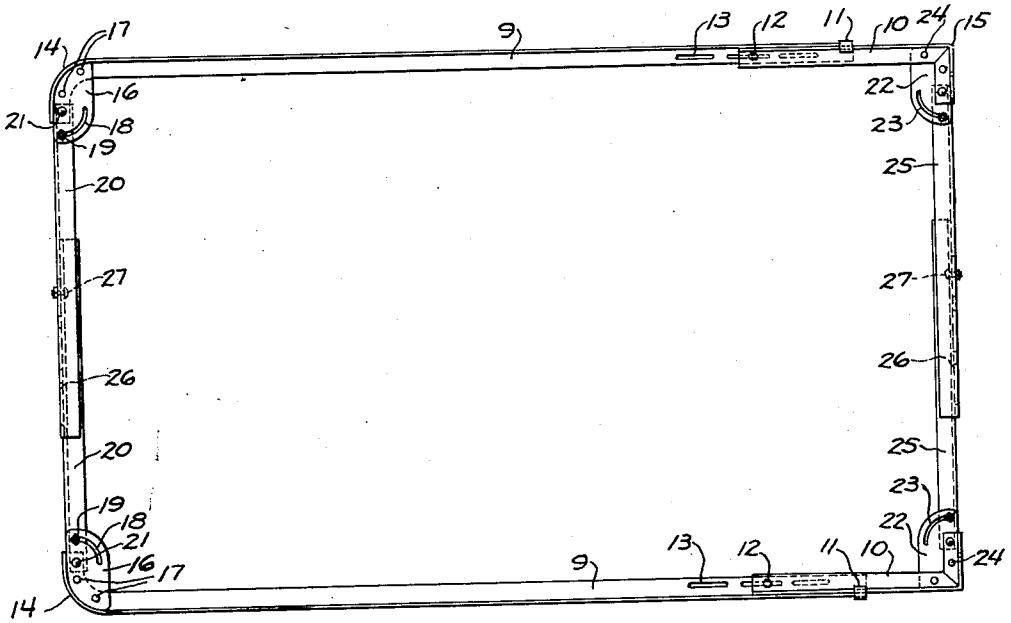


Fig. 3

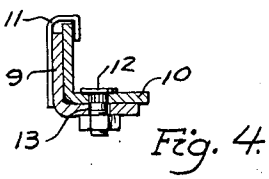


Fig. 4.

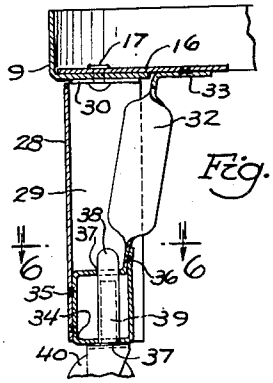


Fig. 5.

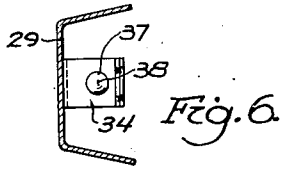


Fig. 6.

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ADJUSTABLE BED FRAME

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2 Claims. (Cl. 5—176)

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This invention relates to beds and has particular reference to an adjustable bed of the Hollywood type.

An object of the invention is to generally improve bed frames and to provide a bed frame which is simple and sturdy in construction, economical to manufacture, light in weight and one to which bed springs are readily attachable.

Another object of the invention is to provide a Hollywood type bed frame which is adjustable so that its length and width may be adjusted to accommodate various size bed springs.

Another object of the invention is the provision of the Hollywood type bed frame which is constructed in sections with means for securing the sections together.

Another object of the invention is the provision of a bed frame of the type indicated which may be collapsed into a comparatively small space for storage or transportation.

Another object of the invention is the provision of a Hollywood type bed frame which is formed in sections, each section having means thereon for attaching a headboard thereto.

Another object of the invention is the provision of a Hollywood type bed frame which is formed in sections, each section having simplified legs thereon with means for attaching casters thereto.

Another object of the invention is the provision of a Hollywood type bed frame which is constructed and arranged in sections which when assembled will support thereon any conventional bed spring without the necessity of the use of slats.

Another object of the invention is the provision of a bed frame which is constructed and arranged to provide a wide variety of adjustability, thereby obviating the necessity for a dealer to stock a wide range of different sizes.

Other objects and advantages of the invention will become more apparent as the description proceeds, reference being made from time to time to the accompanying drawing forming part of the within disclosure, in which drawing:

Fig. 1 is a plan view of a bed embodying the invention with sections in disassembled relation.

Fig. 2 is a view taken substantially on the line 2—2 of Fig. 1.

Fig. 3 is a plan view of the device shown in Fig. 1 in assembled condition.

Fig. 4 is a section taken substantially on the line 4—4 of Fig. 2.

Fig. 5 is a section taken substantially on the line 5—5 of Fig. 1.

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Fig. 6 is a section taken substantially on the line 6—6 of Fig. 5.

Referring now more particularly to the drawing, it will be understood that in the embodiment herein disclosed the reference characters 7 and 8 designate the respective sections comprising the bed frame. Each section 7 and 8 consists of a side rail 9 and an extension member 10 which is longitudinally adjustable. The extension member 10 of each section is secured by means of a hooked shaped guide 11 which is welded or otherwise secured to the end of the side rail 9. The extension members 10 are bored near one end to accommodate bolts 12 which are arranged to engage elongated slots 13 formed in the horizontal web of the side rails 9. It will be noted that the free end of each side rail is curved as at 14 to accommodate the curved end of a conventional bed spring assembly. The free end of each extension member 10, however, is inturned at a right angle as at 15 so that a headboard may be attached thereto as hereinafter disclosed. Secured to the free end of each side rail 9 is a plate 16 which overlies the horizontal web of the side rail and is secured thereto by means of rivets 17 or other suitable means. Each plate 16 has an arcuate slot 18 therein which is adapted to accommodate a bolt 19, carrying a wing nut on the bottom, which bolt 19 also extends through a suitable bore formed in the arm 20, which is pivoted as at 21 for horizontal movement.

The extension members 10 are also provided with similar plates 22, each having an arcuate slot 23 therein and being secured to the horizontal web of the extension member 10 by rivets 24. An arm 25 is pivotally secured to each extension member 10 as previously described. The pivoted arm 25 when arranged as shown (Fig. 3) forms the end members of the bed frame.

The arms 20 and 25 are preferably made of angle iron, the vertical webs of which are slotted as at 26 to accommodate bolts 27 (Fig. 3), whereby the end members may be moved into various positions of adjustment.

At the curve of each side rail 9 and at the corner of each extension member 10, I secure a leg 28. Each leg 28 consists of a substantially U-shaped channel member 29 (Figs. 5 and 6), having a top plate 30 which may be formed as an integral part of the channel member or may be an independent plate welded to the top thereof.

The member 30 serves as a means for attaching the channel 29 to the horizontal web of the

side rail 9 and to the plate 16 by means of rivets 17.

In order to reinforce the leg 28 and to provide means for securing thereto a caster, I provide a strap 32 which is welded to the underside of the plate 16 as at 33 (Fig. 5). The strap 32 is twisted intermediate its ends as shown (Fig. 5), in order to strengthen it. The strap 32 is bent and rebent several times to form a box-like structure 34 which is secured to the inner face of the leg 28 by welding as at 35. The bottom right end of the strap is welded to the intermediate portion as at 36. The box-like member 34 has a vertical bore 37 at top and bottom therethrough which is adapted to accommodate the caster shaft housing 38 which is press fitted therein.

The shank 39 of the caster 40 extends into the housing 38 and is adapted to rotate freely therein.

From the foregoing it will be seen that I have provided a novel type of bed frame which may be adjusted for length and width by the simple expedient herein above described.

What I claim and desire to secure by Letters Patent is:

1. In a device of the character described, the combination of a pair of side rails of angular cross section, each side rail having an extension member slidable thereon, a plate at the end of each side rail and each extension member, an arm pivotally secured to each plate and movable in a plane common with said rails, each said plate having arcuate slot therein adapted to accommodate a bolt carried by one of said arms.

2. In a device of the character described, the combination of a pair of side rails of angular cross section, each side rail having an extension member slidable thereon, a plate at the end of each side rail and each extension member, an arm pivotally secured to each plate and movable in a plane common with said rails, said plates being provided with arcuate slots adapted to accommodate locking means carried on said arms and said arms are provided with cooperating means for securing said arms to one another in pairs.

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