

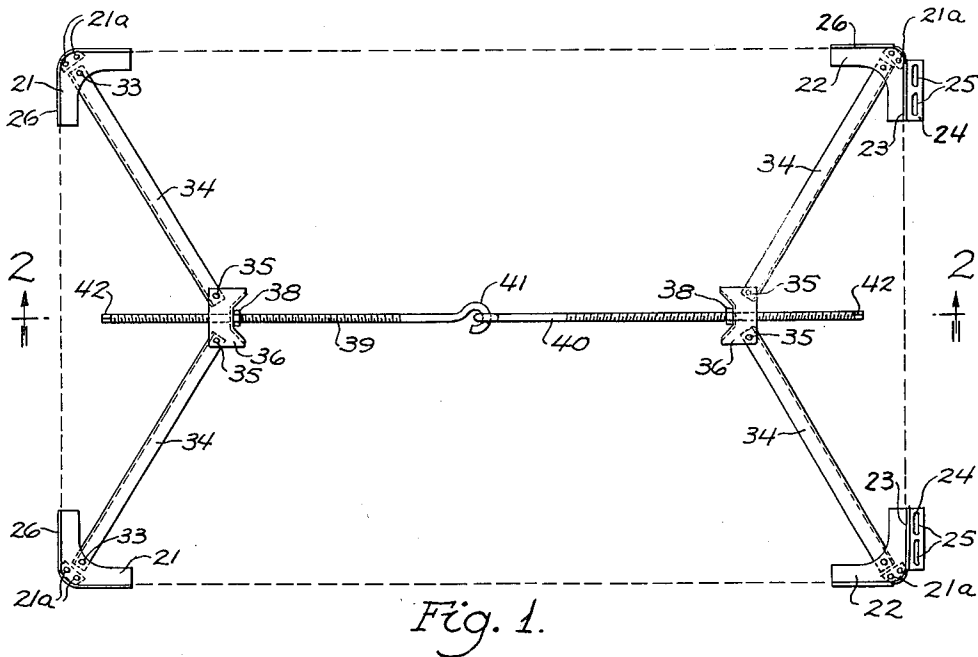
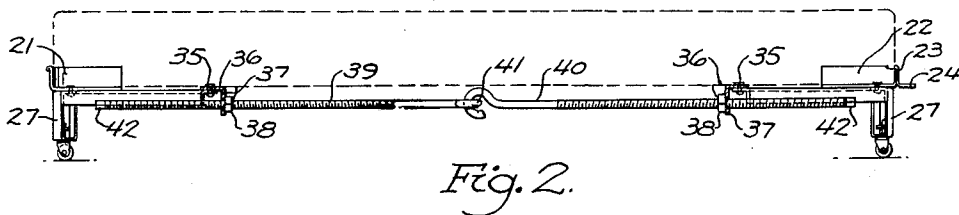
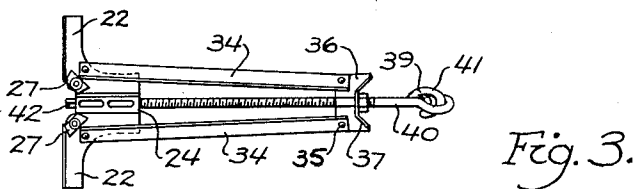
Jan. 26, 1954

L. F. CLERC
ADJUSTABLE BEDSTEAD

2,666,931

Filed Feb. 23, 1949

5 Sheets-Sheet 1



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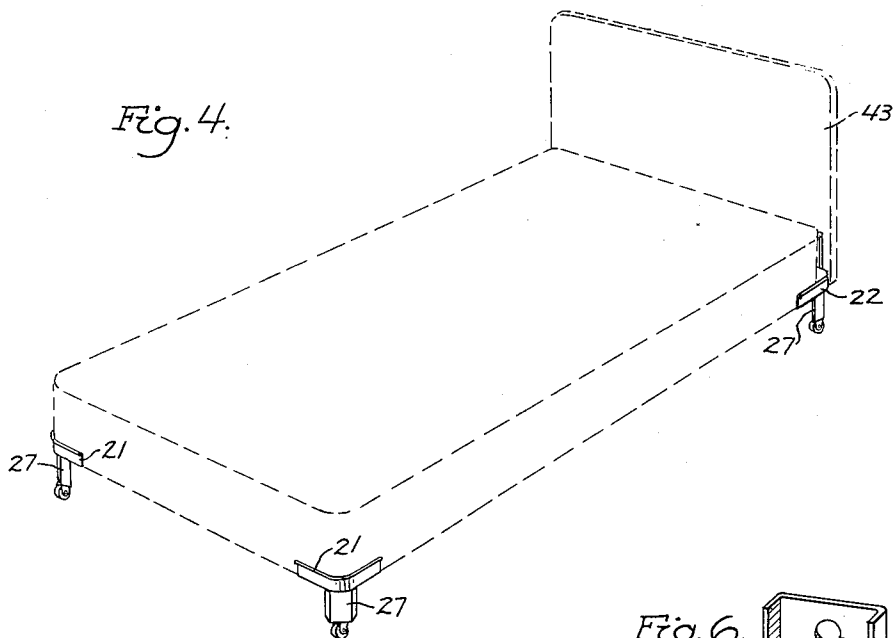
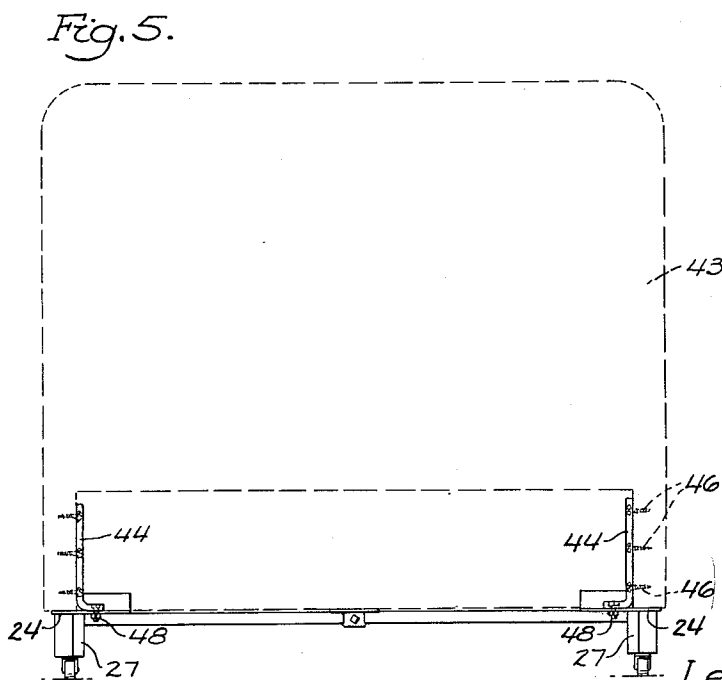
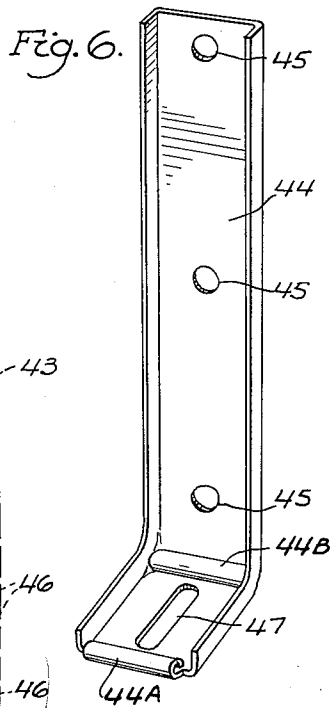
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5 Sheets-Sheet 3

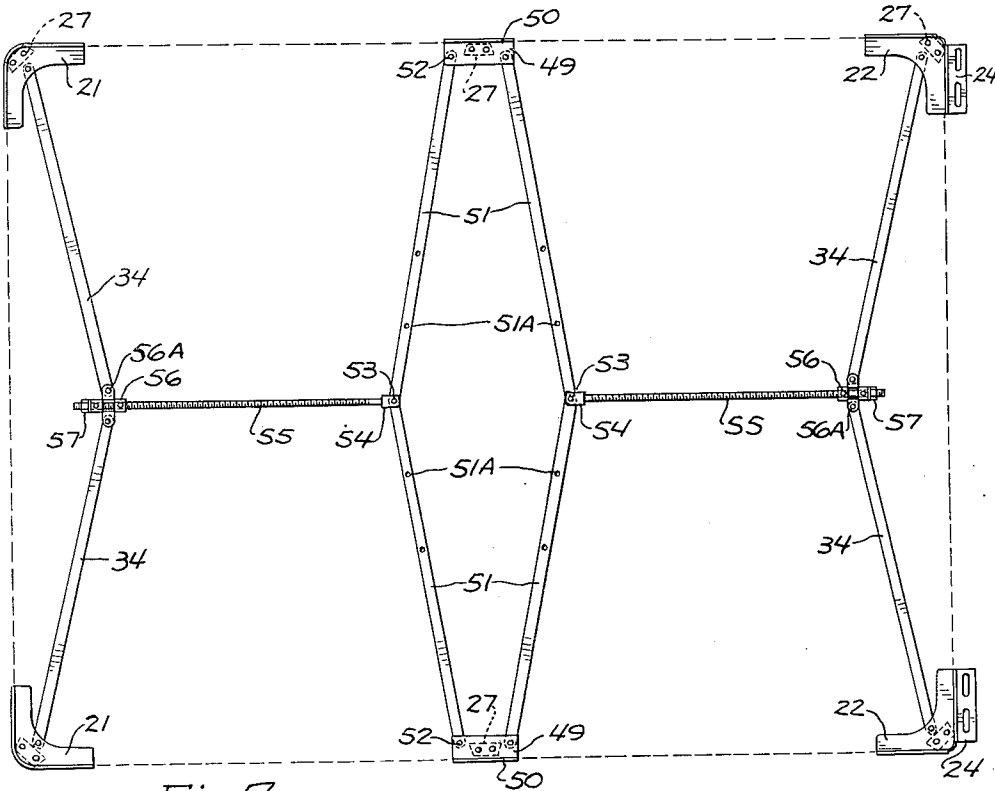


Fig. 7.

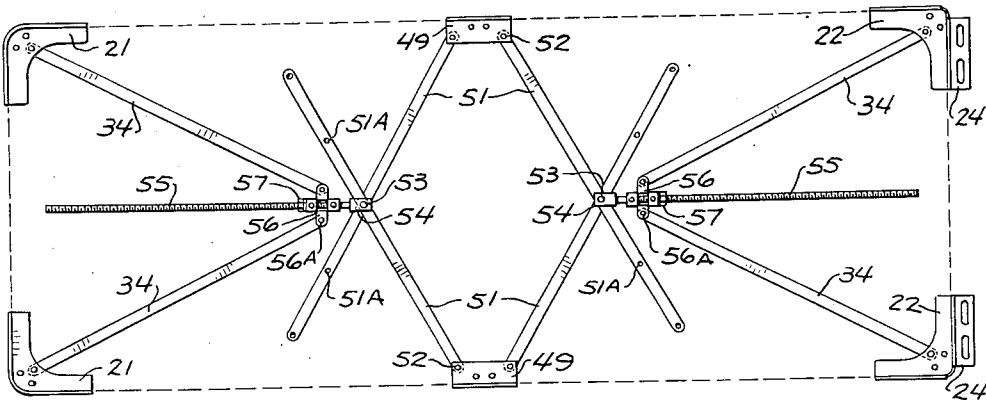


Fig. 8.

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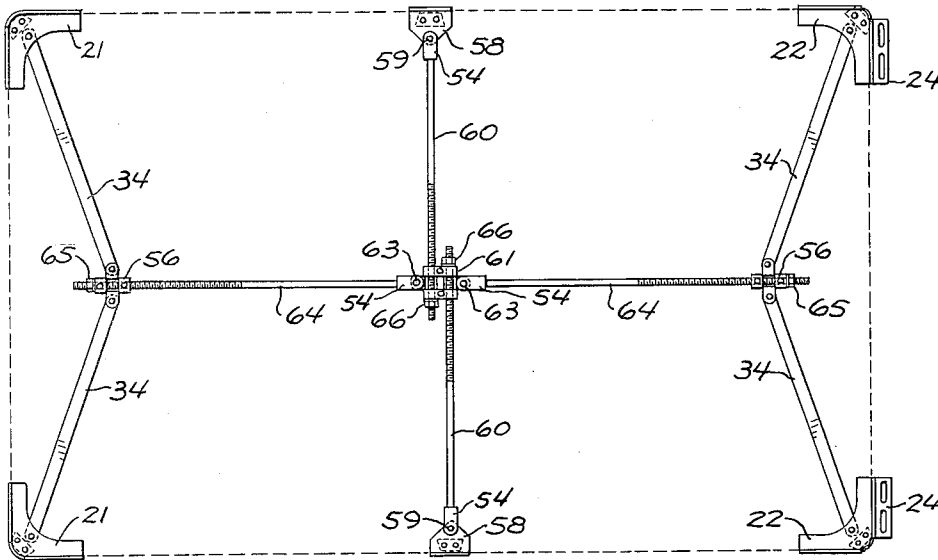
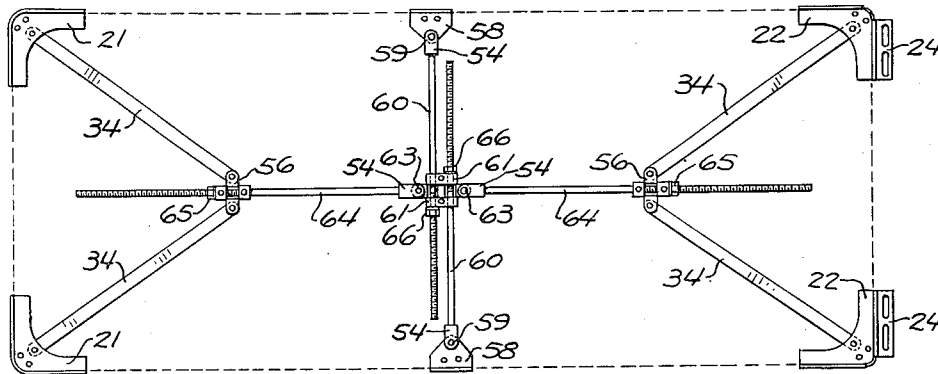
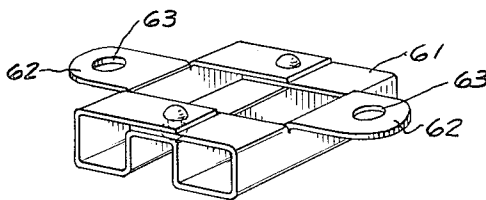
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5 Sheets-Sheet 4



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5 Sheets-Sheet 5

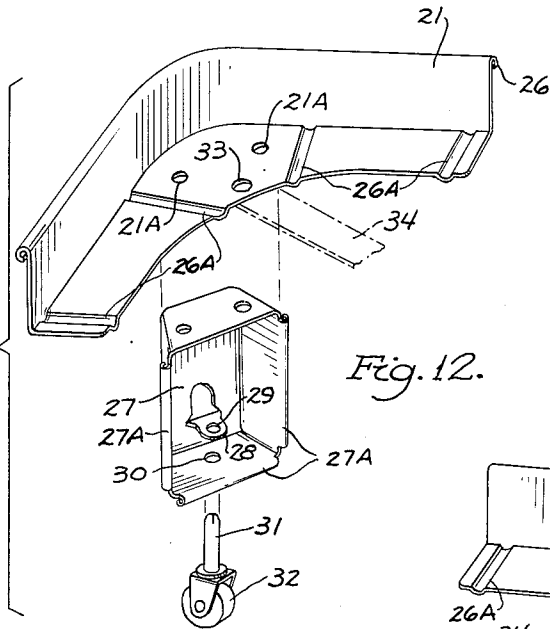


Fig. 12.

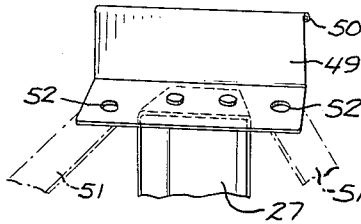


Fig. 14.

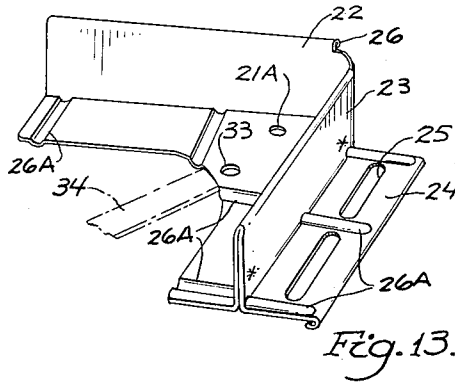


Fig. 13.

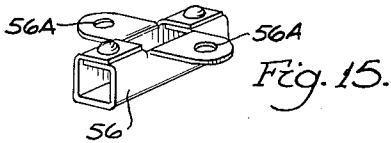


Fig. 15.

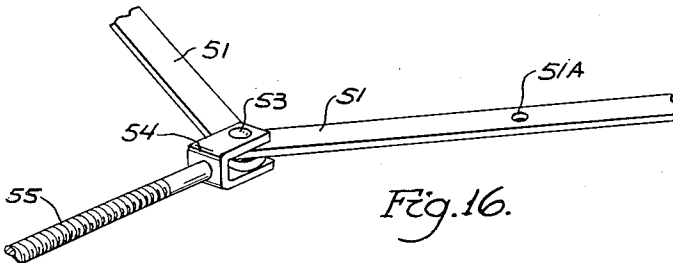


Fig. 16.

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UNITED STATES PATENT OFFICE

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ADJUSTABLE BEDSTEAD

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Application February 23, 1949, Serial No. 77,919

7 Claims. (Cl. 5—181)

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This invention relates to beds and has particular reference to a bedstead which requires no side rails or slats.

An object of the invention is to generally improve bedsteads, and to provide a bedstead which is simple in construction, economical to manufacture, light in weight and easy to attach to a conventional bed spring.

Another object of the invention is the provision of a bedstead which is provided with toggle-like sections which may readily be clamped to a conventional bed spring assembly.

Another object of the invention is the provision of a bedstead which is readily combined with a conventional bed spring assembly to form a Hollywood type bed.

Another object of the invention is the provision of a collapsible bedstead with means for attaching thereto a headboard.

Another object of the invention is the provision of a bedstead which is constructed and arranged for the simultaneous movement of all of the corners, whereby it may be adjusted to accommodate itself to the size of any conventional bed spring.

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

Another object of the invention is the provision of an adjustable and collapsible bedstead which is provided with simplified legs and means for attaching casters thereto.

Another object of the invention is the provision of a bedstead having four adjustable corner sections provided with legs and two side center sections provided with legs with means to move all of the sections inwardly and outwardly to affect adjustment for the accommodation of various size bed springs.

Another object of the invention is the provision of a bedstead having a plurality of leg supported sections with means for clamping all of said sections into closely contacting engagement with a conventional bed spring assembly.

The foregoing and 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 device embodying the invention.

Fig. 2 is a side elevational view thereof.

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

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Fig. 1 in collapsed condition, ready for shipment or storage.

Fig. 4 is a perspective view of the device shown in Fig. 1 in assembled relation with a box type spring and a headboard attached.

Fig. 5 is a rear end view of the device shown in Fig. 4.

Fig. 6 is an enlarged detail perspective view of the bracket employed in attaching the headboard to the device.

Fig. 7 is a plan view of a modified form of the device embodying the invention.

Fig. 8 is a plan view of the modified form of the device shown in (Fig. 7) adjusted into a narrow position.

Fig. 9 is a plan view of another modified form of the device embodying the invention.

Fig. 10 is a plan view of the modified form of the device shown in (Fig. 9) adjusted into a narrow position.

Fig. 11 is an enlarged perspective view of the crosshead used in the center of the device constructed as shown in (Figs. 9 and 10).

Fig. 12 is a perspective view showing one of the corner members positioned at the foot of the bed with the leg and caster elements shown in extended relation.

Fig. 13 is a perspective view of one of the corner members employed at the head of the bed and to which the headboard may be attached.

Fig. 14 is an enlarged perspective view of one of the side center leg supporting elements employed in the embodiment shown in (Figs. 7 and 8).

Fig. 15 is an enlarged detail in perspective of one of the cross arm connectors employed in the modification shown in (Figs. 7, 8, 9 and 10).

Fig. 16 is an enlarged detail in perspective showing the terminal member attached to the end of the threaded rods and the intermediate cross arms as used in the modified forms shown in (Figs. 7, 8, 9, and 10).

Referring now more particularly to the drawings, it will be understood that in the embodiment disclosed in (Fig. 1) the reference character 21 indicates the corners and leg supporting members for the foot of the bedstead, and the reference character 22 indicates the corner and leg supporting members for the head of the bedstead. Each of the members 21 and 22 is stamped with a substantially L-shaped cross section, the members 22 (Figs. 1 and 13) having a double thickness on the vertical leg as at 23, and having a horizontally extending flange 24 for

supporting the headboard bracket as here and after described.

The flange 24 is provided with slots 25 to accommodate the headboard bracket bolt.

Each of the members 21 and 22 (Figs. 1, 12 and 13) has a rolled edge 26 and ribs 26-A for reinforcing purposes. Each of the members 21 and 22 has riveted to it through holes 21A a leg member 27, which leg member is a heavy metal stamping of substantially rectangular dish-shaped construction as shown in (Fig. 12), having a rolled edge 27A on both sides and at the bottom for reinforcing purposes. The member 27 has a lanced element 28 which is punched with a hole 29 and bent inwardly so that the hole 29 may align with a hole 30 formed in the bottom wall. These holes serve as means for engaging the caster shank housing 31 which is press fitted therein.

The shank of the caster 32 engages the housing 31 and is free to rotate therein. Pivotally attached as at 33 to each corner member 21 and 22 is a cross arm 34 which cross arms 34 are pivoted as at 35 to carriers 36 having downwardly extending flanges 37 (Fig. 2) to which are welded threaded nuts 38, the latter being threaded to accommodate the left and right hand threads respectively of the rods 39 and 40 which are connected together as at 41 by hook and eye connections. The free ends of the rods 39 and 40 are squared as at 42 to accommodate a socket wrench (not shown) whereby the rods may be rotated about their longitudinal axes where upon the carriers 36 are simultaneously inwardly or outwardly moved to effect the simultaneous inward or outward motion of the corner members 21 and 22.

It will be understood that with this arrangement the members 21 and 22 may be securely clamped to a conventional box spring assembly which is indicated by the dotted lines in (Figs. 1 and 2).

In order to attach the bedstead to the spring assembly, it is preferable to invert the bed spring and position the bedstead on top also in inverted position. After the corner members 21 and 22 are brought into engagement with the corners of the box spring and clamped tightly into position, the whole assembly may be righted for support on the legs and casters as shown in (Fig. 4). The headboard 43 (Figs. 4 and 5) is then ready for attachment.

In order to provide rigid attaching and supporting means for the headboard 43, I provide a bracket member 44 (Fig. 6). The bracket 44 is preferably stamped in the form of an L-shape channel member, having at its horizontal end a rolled edge 44A and an embossed rib 44B for reinforcing purposes, the vertical leg of which is punched with holes 45 to engage screws 46, whereby the bracket 44 may be secured to the legs of the headboard 43 and the horizontal leg of which is stamped with a slot 47 to accommodate a bolt 48 which is adapted to extend through the slots 25 formed in the flange 24 (Fig. 13) of the member 22.

In (Figs. 7 and 8) I show a modified form of the device, which, in addition to the corner members 21 and 22 and the cross arms 34 as previously described, I employ side members 49, each of which has depending legs 27 and casters 32 as previously described. Each side member 49 (Fig. 14) is substantially L-shaped in cross section, the upper edge of which is rolled as at 50 for strength. Pairs of intermediate arms 51 are pivoted as at

52 to the horizontal leg of the side members 49 and are pivoted at their opposite ends as at 53 to terminal members 54 which are in the form of a clevis (Fig. 16). The intermediate arms 51 are provided with holes 51-A whereby a shorter linkage may be effected when it is desired to apply the device to a narrow bed spring as shown in (Fig. 8). A threaded rod 55 is secured at one end to each of the terminal members 54 and extends through a slidable tunnel member 56 (Fig. 15) the wings of which are pivoted as at 56A to the cross arm 34. Washers and nuts 57 are positioned on the ends of the rods 55 and are arranged to move the tunnel members 56 along the rods 55 whereby upon tightening the nuts 57 the corner members 21 and 22 and the side members 49 may be moved inwardly to clamp tight against the side of the box spring assembly as shown in dotted lines.

The device may be assembled to the spring and the headboard 43 may be attached as previously described.

In (Figs. 9 and 10) I show a still further modified form of the device embodying the invention. In this modification, in addition to the corner members 21 and 22 and the cross arms 34 and the tunnel members 56 as previously described, I show a pair of side leg supporting members 58 each of which is pivoted as at 59 to the terminal member 54 of the threaded rods 60. The rods 60 lie in parallel planes and extend through the double tunnel member 61 in opposite directions (Figs. 9, 10 and 11) and are secured in position by means of washer and nuts 62. The terminal members 54 are also secured to the ends of the threaded rods 64 and are pivoted to the wings 62 of the double tunnel member 61 as at 63 (Figs. 9 and 10). The opposite ends of the threaded rods 64 slide through the tunnel members 56 and are secured in position by means of washers and nuts 65.

In assembling this modified form of the device, the box spring which is shown in dotted lines is inverted and the side members 58 are first clamped tightly against the side of the spring and made fast by drawing up the nuts 66. The corner members 21 and 22 are then brought into close engagement with the corners of the spring and drawn up tight by means of the nuts 65. The assembly is then turned over so that it rests on the legs and the device is ready for the attachment of the headboard 43 as previously described.

In (Fig. 9) I show how the bedstead may be extended to accommodate a full size spring and in (Fig. 10) I show it arranged to form a twin bed.

Having described my invention what I claim and desire to secure by Letters Patent is:

1. In a device of the character described, the combination of independent corner members arranged in pairs, each having means for supporting a leg and caster, cross arms pivoted to said corner members and to intermediate linkage, and means connected to said intermediate linkage for simultaneously moving the members of said pairs of corner members.

2. A device of the character described, for use with a bed spring assembly, comprising pairs of independent corner members each having means for supporting a leg and caster and each having an upstanding element adapted to contact the corners of the spring assembly, cross arms pivoted to each corner member of each pair and to an intermediate linkage, and means connected

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to the linkage whereby to move the members of said pairs of corner members simultaneously.

3. In a device of the character described in combination, a plurality of independent corner members arranged in pairs and a pair of independent short side members, each of said corner members and said side members having means for supporting a leg and caster assembly, pivoted cross arms connecting the corner members of each pair, intermediate cross arms pivoted to said side members, and threaded means connected to said cross arms for simultaneously moving said cross arms and said intermediate cross arms.

4. The combination defined in claim 3, in which each of said corner and said side members is provided with an upstanding retaining element for receiving the sides of a conventional bed spring assembly.

5. A bedstead comprising independent corner members arranged in pairs, each corner member being provided with means for holding a leg and caster assembly, and each corner member having an upstanding element adapted to retain the corner of a bed spring, and means secured to said corner members for simultaneously moving said corner members.

6. A bedstead comprising independent corner members arranged in pairs, arms secured to said corner members for moving the members of each pair of corner members in two directions simultaneously, short side members positioned between said pairs of corner members, arms secured to said side members for moving said side

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members inwardly and outwardly, and threaded rods for connecting said arms.

7. The combination defined in claim 6, in which each of said corner members and said side members is provided with means for supporting a leg and caster assembly, there being an upstanding element on each corner and side member arranged to receive the side of a bed spring assembly.

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