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EXPANSIBLE BEDFRAME AND THE LIKE

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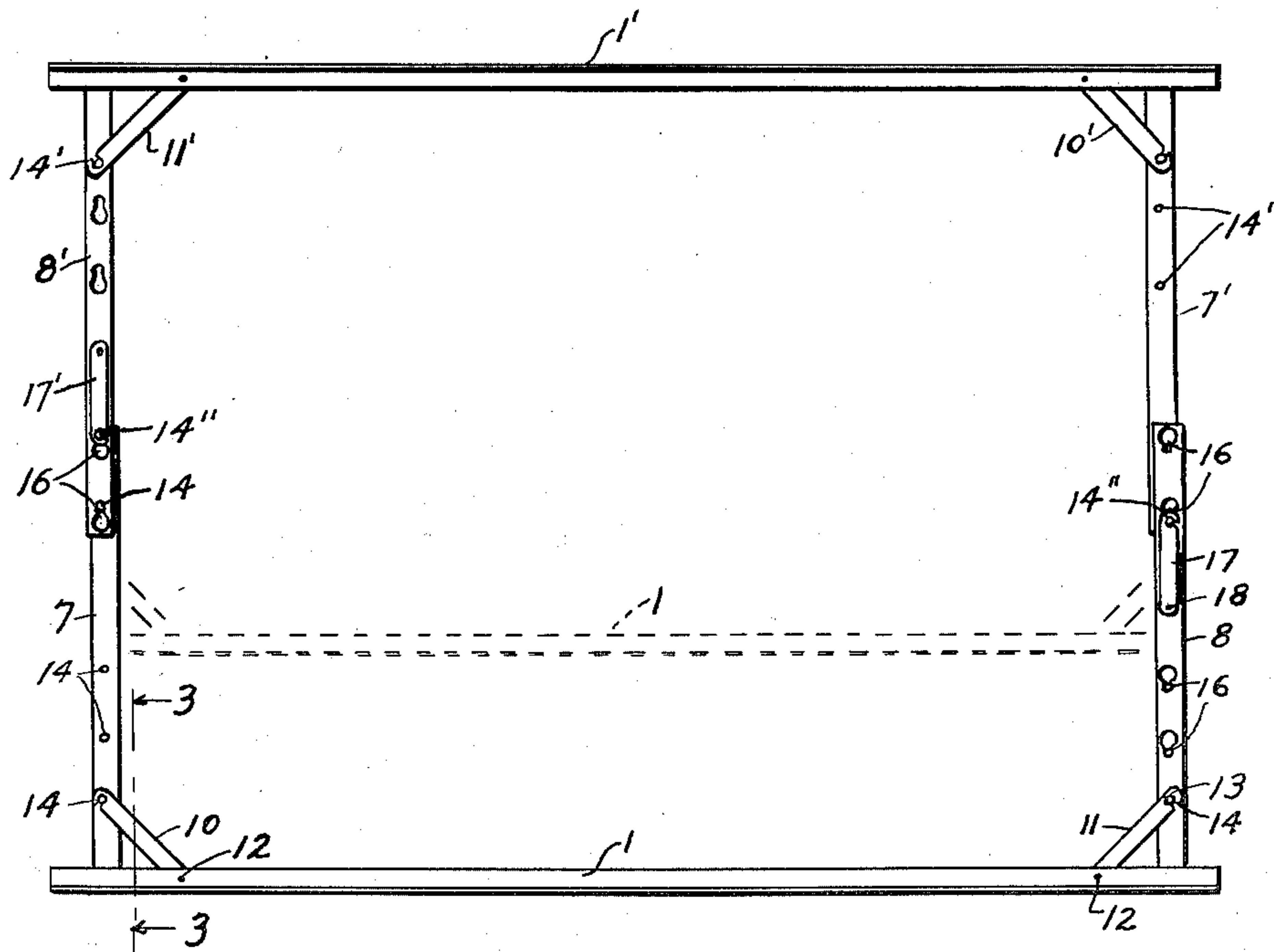


Fig. 1

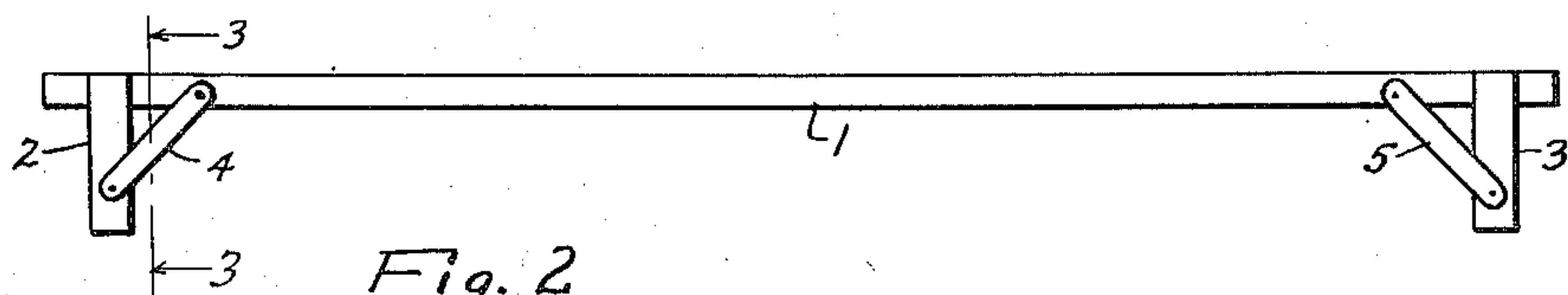


Fig. 2

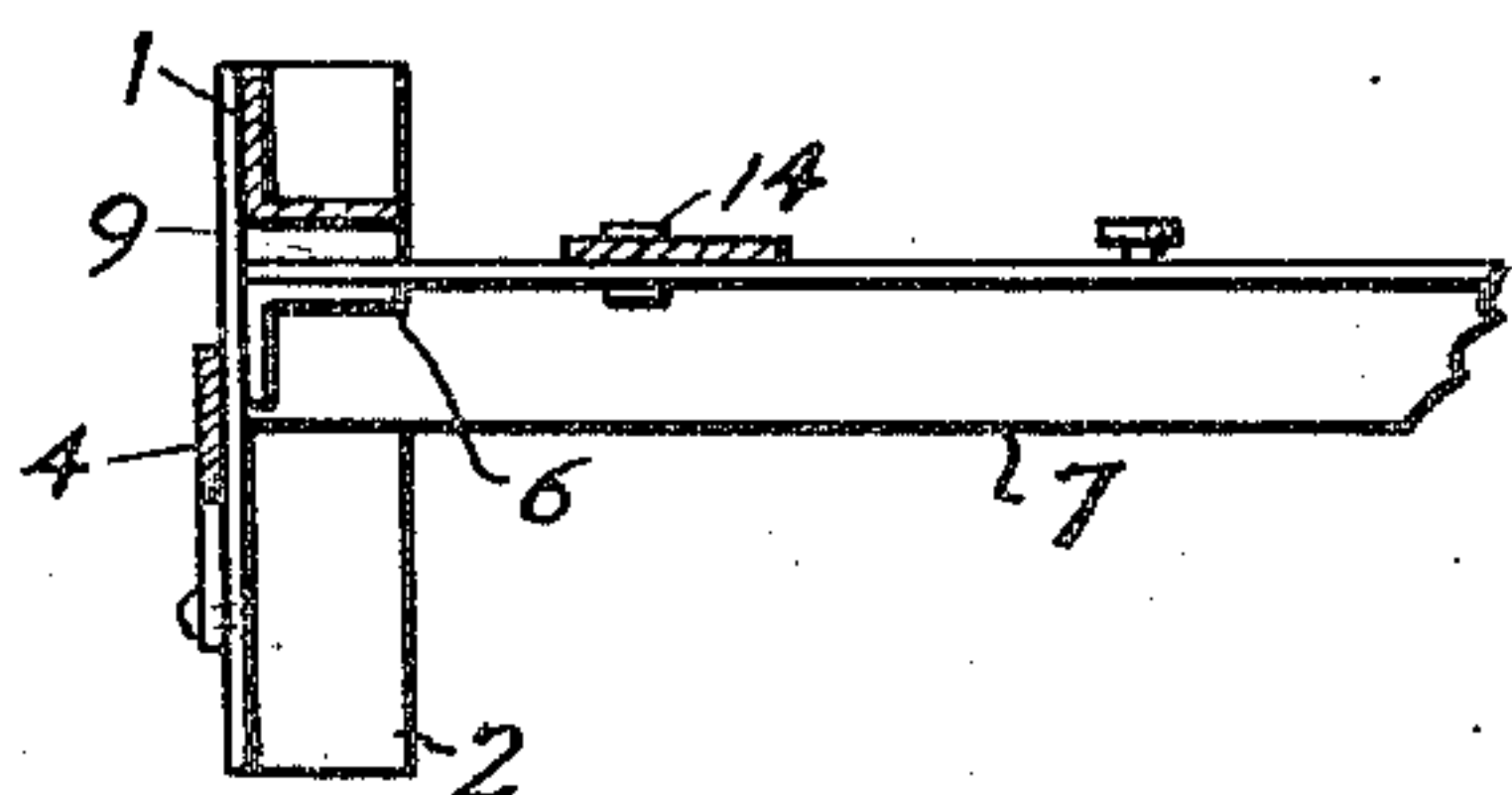


Fig. 3

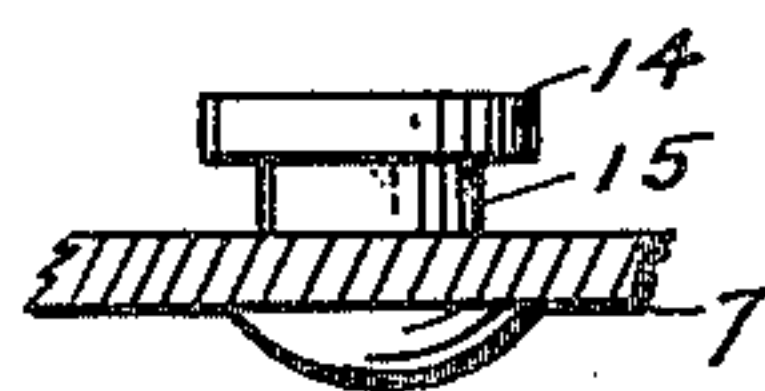


Fig. 4

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EXPANSIBLE BEDFRAME AND THE LIKE

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2 Claims. (Cl. 5—185)

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This invention concerns bedsteads and the like wherein means are provided in the structure of a double bed so that it can easily be changed into a single bed frame or vice versa, thus providing less frame members for a dealer to handle in order to meet the demands of the public for single and/or double beds. The frame members of this invention are foldable thus making it easy and convenient for dealers to store the bed frames in a relatively small space.

One of the principal objects of this invention is to present a new and novel means in the form of structural parts which enables a furniture dealer to provide various sizes of bed frames to the retail trade from a stock of single units which are alike, any two of such units making a complete single or double bed frame which is adapted to receive the bed spring or the slats for supporting a bed spring.

Other objects are to provide a simple, durable, dependable, convenient, inexpensive, compact, efficient and suitable means for making bedsteads of various sizes from a combination of complementary single units, the units being economical to make and manufacture, and foldable for shipping and storing purposes.

Other objects, advantages and features of this invention will appear from a careful perusal of the accompanying drawings, the subjoined detailed description, the preamble of these specifications, and the appended claims.

Below, applicant describes one of the preferable forms of his invention in order to teach the art thereof and show everyone who may be interested how to make and use the same, but it is to be understood that the drawings and description thereof are not to limit the invention in any sense whatsoever except as the same is specifically limited by the terms of the appended claims hereto.

In the drawings:

Figure 1 is a plan view showing a metal bedstead for a double bed, but in dotted lines, there is indicated the position of one side of the frame when the bedstead is made into a single bed,

Figure 2 is a side elevational view of the bedstead shown in Figure 1, since both sides are identical, another side elevational view was believed unnecessary,

Figure 3 is a sectional view taken substantially along the lines 3—3 of either Figure 1 or Figure 2, but shown enlarged, and

Figure 4 is an enlarged sectional view showing one of the studs employed in the invention.

In the particular form of the invention illus-

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trated in the drawings associated herewith, each unit of the bedstead has the following preferred parts which are indicated by whole numerals, similar parts in the other unit being indicated by the primes of the same numerals.

One of the units has the side rail or beam 1 with the rigidly fixed legs 2 and 3 near the end portion of the rail and these legs are securely and permanently positioned relatively to the rail by their respective diagonal bracing straps 4 and 5, as shown. The legs and bracing straps may be attached to the rail and to each other by any suitable means such as welding the lapped parts or by the use of bolts, screws, etc.

Each leg has welded thereto a web member 6 from which extends an arm, the leg 2 having the arm 7 and the leg 3 the arm 8, as shown, each arm being connected to its respective web member by a pivot pin or rivet 9 so that the arms can be swung into longitudinal relationship with the rail 1. However, when the arms are in extended position, they are rigidly braced in position by the straps 10 and 11, each strap being pivotally connected to its respective end portion of the rail by a pivot rivet 12. The distal ends of the straps 10 and 11 have slots 13 which are adapted to engage the stud portion 15 of the rivet type stud 14, note Figure 4 of the drawings.

Angle irons are employed wherever feasible in order to take advantage of their strength, hence the members 1, 2, 3, 6, 7 and 8 are shown as angle irons. Obviously, any other suitable structural member or members may be employed instead of angle irons.

The arm 7 has a plurality of studs 14 arranged as shown, and the member 8 has a plurality of bayonet-like slots 16 arranged as shown. The pair of bayonet-like slots near the distal end of the arm 8 being so arranged and predeterminedly positioned that they latch with the studs 14 near the distal end of the arm 7'; and the bayonet-like slots near the pivot end of the arm 8 are so predeterminedly positioned that they latch with the studs near the distal end of the arm 7' when the rail 1 is in the position shown in dotted lines in Figure 1, and such latching of the just mentioned slots and studs will also latch the slots near the distal end of arm 8 with the studs near the pivot end of arm 7'. Thus the arms 7 and 8 of rail 1 will, when properly aligned, with the arms 8' and 7' respectively of rail 1', make sturdy head and foot cross rails for either a double bed or a single bed.

In order to make certain that the arms will not accidentally become disengaged, the arms 8

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and 8' are provided with latching bars 17 and 17', each of which is pivoted at 18 and provided with end hook-like portions to engage its respective elongated stud 14''. This particular stud 14'' is the same as 14 except that the portion 15 thereof is longer.

It is understood that various changes and modifications may be made to the details of form, style, design, and construction of the whole or any part of the specifically described embodiment of this invention without departing from the spirit thereof in that such changes and modifications are considered as being within the scope of the claims.

I claim:

1. In a bedstead structure having a pair of complementary rail units, each unit comprising an elongated rail with an extension arm pivoted near each end thereof, means for bracing each arm near where it joins the rail, said bracing means comprising a pivoted bar having latch means so that it can hold the rail and itself in a substantially right angle position, a plurality of predeterminedly spaced bayonet-like slots on

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one arm and a plurality of studs on the other arm positioned so that they can be engaged by the arm having the bayonet-like slots.

2. The structure recited in claim 1 wherein the arm with the bayonet-like slots has a fastening means near its distal end for engaging the studs on the other arm.

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