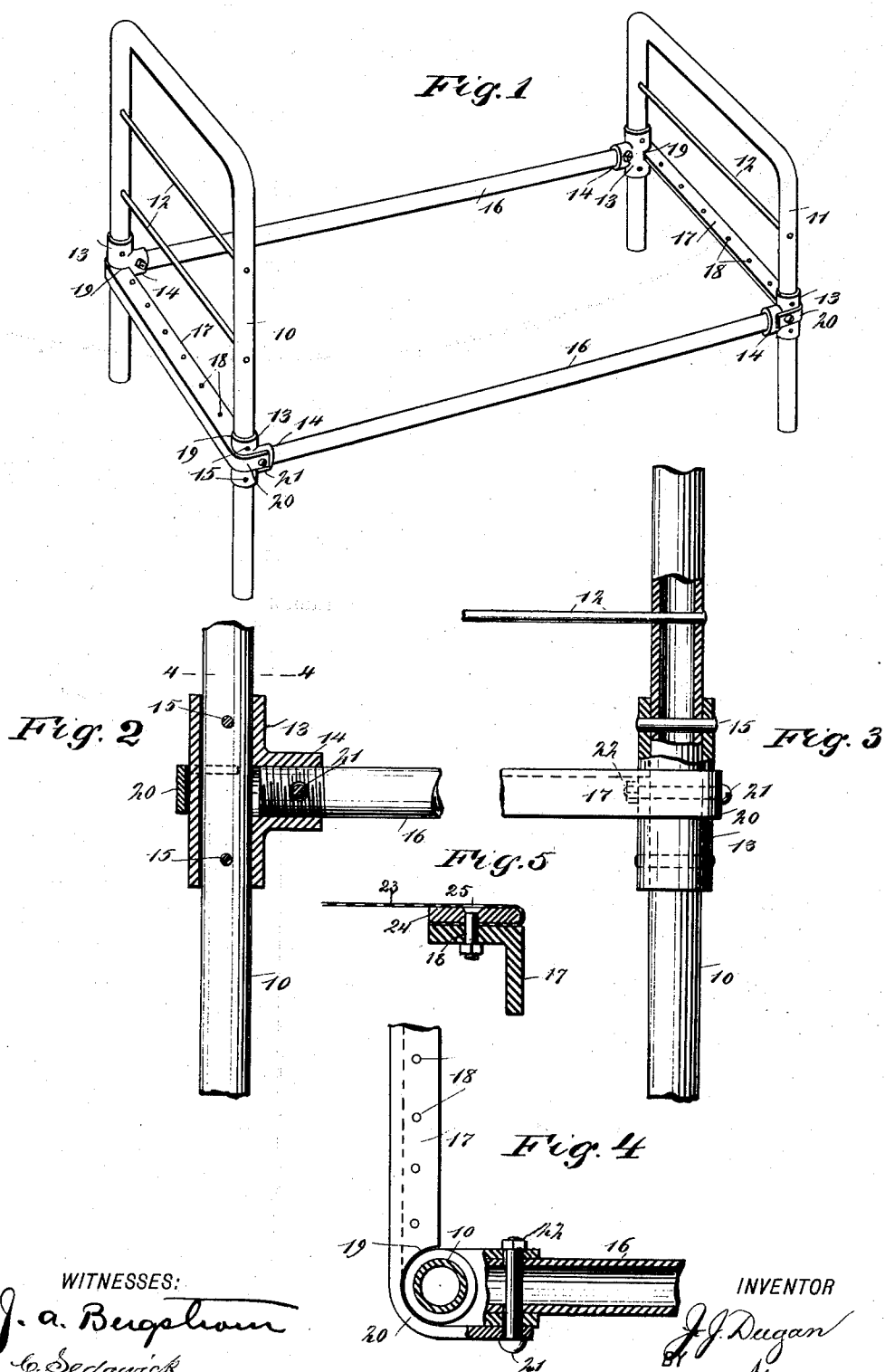


(No Model.)

J. J. DUGAN.
BEDSTEAD.

No. 500,867.

Patented July 4, 1893.



WITNESSES:

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JOHN J. DUGAN, OF SALEM, OREGON.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 500,867, dated July 4, 1893.

Application filed April 5, 1893. Serial No. 469,184. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. DUGAN, of Salem, in the county of Marion and State of Oregon, have invented a new and Improved Bedstead, of which the following is a full, clear, and exact description.

My invention relates to improvements in bedsteads and especially in what are known as iron bedsteads.

The object of my invention is to produce a very cheap and strong metallic bedstead which may be used for any usual purpose, but which is especially adapted for use in prisons, insane asylums and other places of confinement, as it is made of such few parts and so strongly put together, that there are no legs or other pieces which can be wrenched from the bedstead and used as weapons.

A further object of my invention is to construct the bedstead so that it has very few joints and therefore has no place in which bed bugs and other vermin may find lodgment.

To these ends my invention consists in certain features of construction and combinations of parts, as will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the bedstead embodying my invention. Fig. 2 is a broken detail sectional view of one of the joints between the headboard and one of the sideboards. Fig. 3 is a broken detail view, partly in section, showing the manner in which the couplings are attached to the head and foot posts and showing also the angle iron to support a mattress. Fig. 4 is a broken detail sectional plan of one of the corner joints of the bedstead; and Fig. 5 is a detail sectional view showing how a woven wire mattress is bound or fastened to the bedstead.

The bedstead is provided with a headboard and footboard 10 and 11, each being of a generally inverted U-shape, and the side members of the head and footboards form the posts of the bed. The headboard and footboard are of similar construction, each being formed of a pipe bent to the desired shape. The opposite posts of both the footboard and headboard are connected by cross braces 12 which are

simply iron rods extending through the posts of the bedstead, and any number of them may be used. The cross pieces prevent the shifting of the bedding and mattress endwise and the upper cross piece of the headboard also prevents the pillows from being pushed out through the headboard.

On each post of the bed is secured an ordinary T-coupling 13, the horizontally extending nipple 14 of which is adapted to support one of the side bars of the bed. These couplings are arranged at the necessary height and are held in place by bolts 15 which project through the couplings and through the bed posts. The side bars 16 of the bedstead are simply pipes which are screwed into the horizontally-extending nipples 14 of the couplings 13, and which are also fastened in place by bolts, as hereinafter described.

At the head and foot of the bed are transverse angle irons 17 which are adapted to support a mattress and which are perforated on top, as shown at 18, so that the mattress may be firmly fastened to them. Each angle iron 17 is on the same horizontal plane as the side bars 16 and is recessed at the ends so as to fit nicely against the couplings and has also end straps 20 which are bent around the outside of the couplings 13, so as to extend parallel with the nipples 14 to which they are secured by bolts 21 provided with nuts 22, and extending through the straps in the nipples, and the said bars 16 thus bind all three parts together and make a very strong joint.

A woven wire or similar mattress is fastened to the bedstead as shown in Fig. 5. The mattress 23 is stretched from one angle iron 17 to the other in the usual way and its ends are doubled under straps or bars 24, which are made to lie flat on the tops of the angle irons and which are fastened thereto by bolts 25 which extend through the bars 24 and the holes 18 in the angle irons. The mattresses are thus firmly clamped in place.

It will be seen that this construction makes a bedstead of very few pieces and the bedstead is absolutely rigid, so that it cannot be broken by any manual means, and it is therefore especially adapted for the uses specified.

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

1. As an improved article of manufacture, an all metallic bedstead, comprising end and footboards, each formed of a single bent pipe, T-couplings secured to the posts of the bed, 5 sideboards connecting the couplings of the head and foot posts, and angle irons connecting the head posts and also the foot posts, the angle irons terminating in end straps which are bolted to the couplings, substantially as 10 described.
2. As an improved article of manufacture, an all metallic bedstead, comprising head and footboards, each formed of a pipe bent to an approximate U-shape, T-couplings secured to 15 the posts of the bedstead, side bars connecting the couplings of the head and footboard, the side bars being screwed into the said couplings, angle irons extending across the head and footboard, each angle iron having end 20 straps extending around the outer sides of the couplings, and fastening bolts extending through the straps, the couplings and the side bars, substantially as described.

JOHN J. DUGAN.

Witnesses:

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