B. H. JONES.

BEDSTEAD.

APPLICATION FILED NOV. 3, 1920.

1,376,626. **Patented May 3, 1921.**

Fig. 1

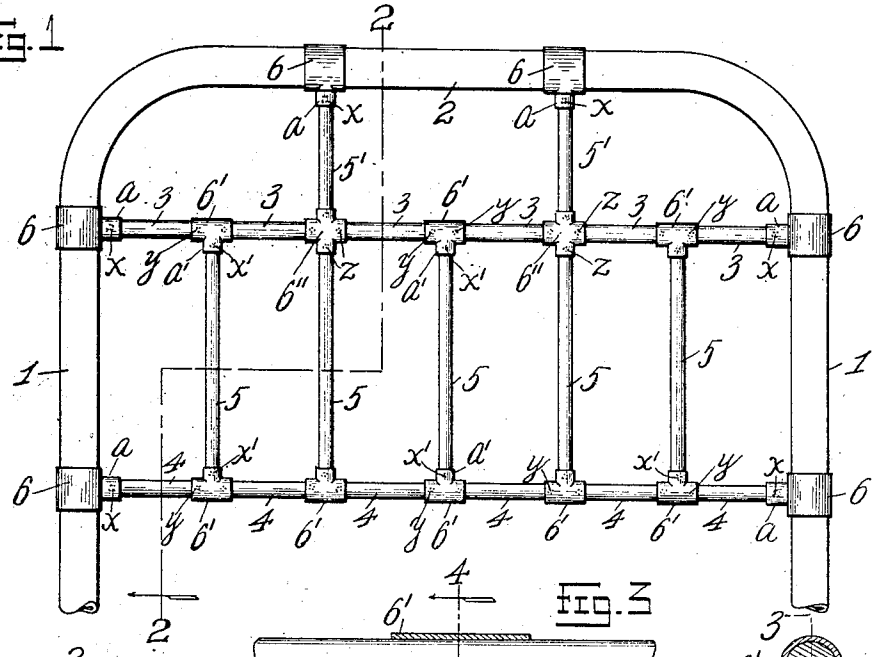


Fig. 2.

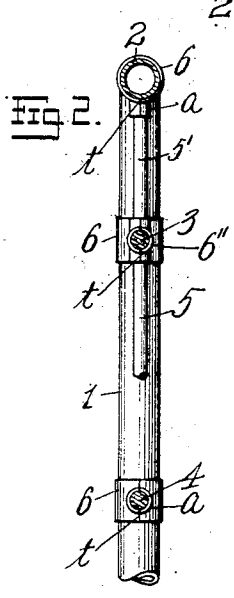


Fig. 3

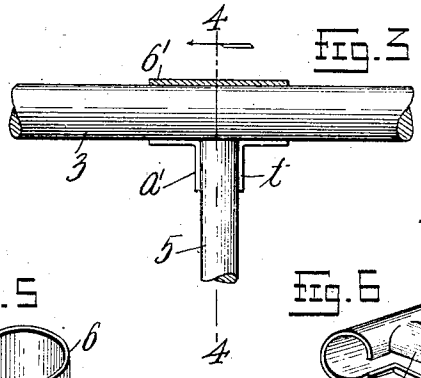


Fig. 4

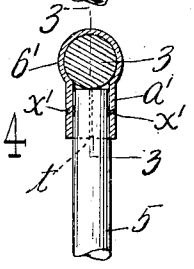


Fig. 5

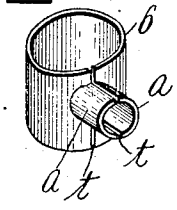


Fig. 6

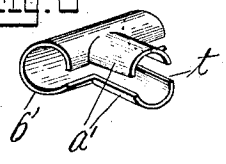


Fig. 7

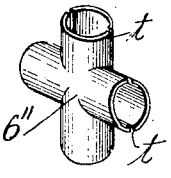
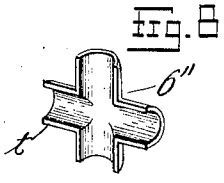


Fig. 8



Inventor

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by Emil Starek Atty.

UNITED STATES PATENT OFFICE.

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BEDSTEAD.

1,376,626. Specification of Letters Patent. Patented May 3, 1921.

Application filed November 3, 1920. Serial No. 421,499.

To all whom it may concern:

Be it known that I, BENJAMIN H. JONES, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Bedsteads, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

The present invention is directed to improvements in metallic bedsteads, and particularly to the couplings by which the corner posts, cross rods, and filler rods composing the bedstead are connected together. The objects sought are the saving of time, and of material entering into the construction of the bedstead; the saving of tools used in constructing the bedstead; a quicker application of the couplings to the parts to be united; a lighter bedstead; and one from which the usual welded joints ("chills"), riveted and lock-joint couplings, and similar unsightly constructions are eliminated, thereby resulting in a bedstead which is attractive, and in all respects pleasing to the eye, all as will hereinafter more fully appear from the following detailed description of the invention in connection with the accompanying drawings in which—

Figure 1 represents an elevation of a portion of a conventional form of bedstead showing the application of my invention; Fig. 2 is a vertical cross-section on the zig-zag line 2—2 of Fig. 1; Fig. 3 is a vertical longitudinal sectional detail through the coupling securing the lower filler rod to the upper cross rod on the line 3—3 of Fig. 4, the rods being in elevation; Fig. 4 is a cross-section on the line 4—4 of Fig. 3; Fig. 5 is a perspective of the coupling securing the cross rods and the upper filler rods to the post and top of the bedstead respectively; Fig. 6 is a perspective of the coupling securing the cross rods to the lower filler rods; Fig. 7 is a perspective of the coupling joining the upper cross rod to the adjacent ends of the upper and lower alined filler rods; and Fig. 8 is a perspective of one-half or of one of the sections of the last mentioned coupling.

Referring to the drawings, 1 represents the corner post, 2 the bowed top, 3 the upper cross rod, 4 the lower cross rod, and 5, 5′, the vertical filler rods all as well understood in the art. The form of bedstead here shown is merely by way of example, it being well known that an infinite variety of bedsteads are not only possible but are actually manufactured and on the market, and it is to be understood that my improvement can be applied to any metallic bedstead employing a plurality of parts that require uniting. In prevailing bedstead constructions these parts are united by suitable couplings which if not in the form of a welded joint are made of sheet metal wrapped about the parts to be united, the edges of the metal being subsequently secured by riveting or by lock joints. In my improvement I make use of a sheet metal coupling which I secure to the parts to be united by spot welding. In the bedstead here shown I employ one form of coupling 6 for uniting the filler rods 5′ and lower and upper cross rods to the corner post and bowed top; a second form 6′ for uniting the filler rods 5 to the upper and lower cross rods; and a third form 6″ for uniting the lower and upper filler rods 5, 5′, to the upper cross rod. The couplings 6, 6′, are formed of a single piece of metal, whereas the couplings 6″ are made of two halves or sections as clearly obvious from Figs. 5, 6, 7, and 8. The blank composing the body portion of the coupling 6 is wrapped around the post 1 or top 2, the meeting edges being provided with extensions a which upon the folding of the blank about the member (1, 2,) as indicated form a suitable hollow leg or socket for receiving the adjacent end of the cross rod 3, 4, or filler rod 5′, said socket being subsequently spot-welded at the points x to said rods as indicated in the drawings. The coupling 6′ is likewise formed with extensions a' which, when the blank composing the body of the coupling is folded about the member 3 or 4, forms a socket or tubular leg for receiving the adjacent end of the filler rod 5, said leg being subsequently spot-welded to the filler rod at the points x'; and if desired, the body of the coupling may be spot-welded to the cross rod (3, 4,) at the points y, y. The coupling 6″ is in the form of a hollow cross, the arms of the cross formed by the assem-

bled sections or blanks composing this coupling being wrapped about the cross rod and the adjacent ends of the filler rods abutting against the same, and spot-welded thereto at the points *z*.

It will be seen from the foregoing that the assembling of the parts composing a bedstead may be accomplished in a minimum amount of time, and with a least expenditure of energy or labor. The spot welds leave no unsightly marks; and firmly uniting as they do the several parts to the couplings, no lock-joints, ridged joints or rivet fastenings need be resorted to, only sufficient metal being used for a coupling to bring its free edges together to form a butt-joint *t* after the blank has been wrapped about the member designed to support it. Obviously, I do not wish to be limited to the precise points or to the number of points at which the spot welds are to be applied, the basic idea of the improvement being the spot welding of the sheet metal couplings to the component parts or members of a bedstead which the couplings serve to unite. Neither am I to be limited to any particular form or design of coupling, or the number of parts of which any coupling may be composed.

Having described my invention what I claim is:

1. A metallic bedstead comprising suitable corner posts, cross rods extending between the posts, sheet metal couplings enveloping the posts and rods at their meeting points, said couplings being open along a line to permit their application to the posts and rods, and the couplings being spot-welded to the rods.

2. In combination with a bed-post and cross rod connected therewith, a sheet metal coupling comprising a body portion adapted to be wrapped around the bed-post and oppositely disposed hollow socket portions projecting from the body portion for enveloping the cross rod, said socket portions being spot-welded to the rod.

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

BENJAMIN H. JONES.

Witnesses:
EMIL STAREK,
JOS. A. MICHEL.