(No Model.) 2 Sheets—Sheet 1.

E. F. TILLEY.

BEDSTEAD IRON.

No. 550,854. Patented Dec. 3, 1895.

Fig 1.

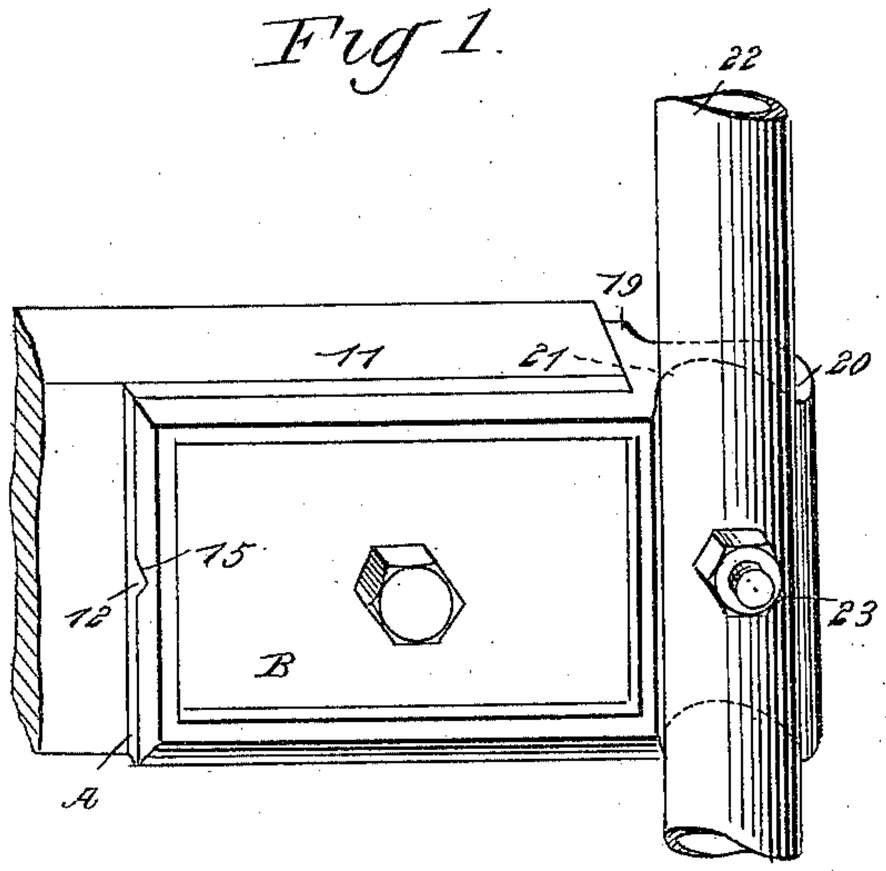


Fig 2.

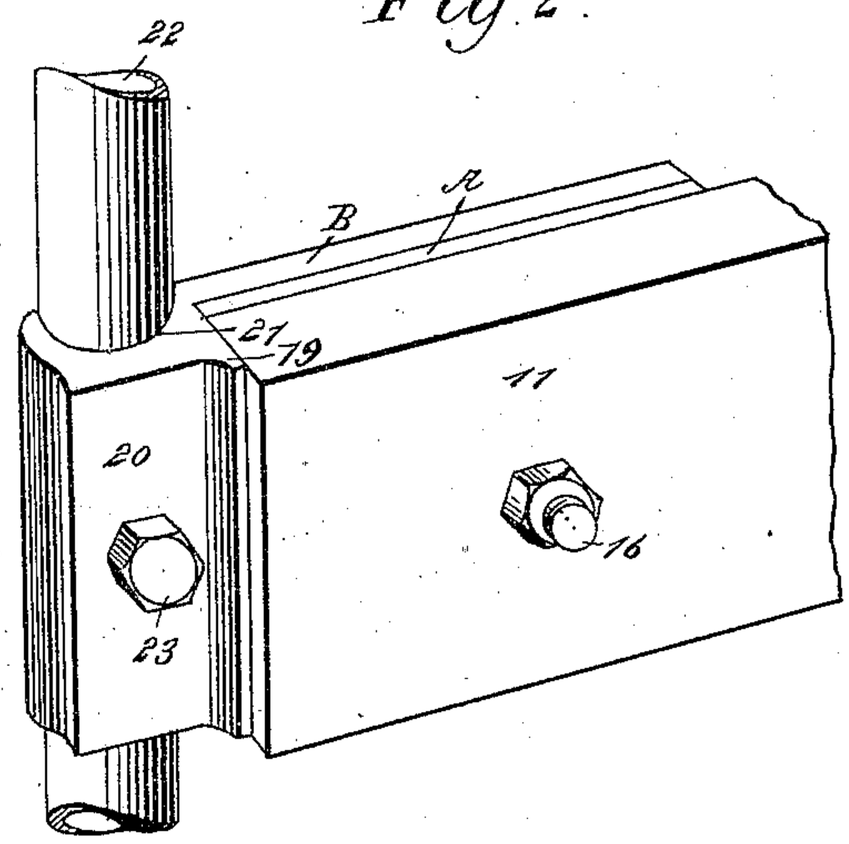


Fig 3.

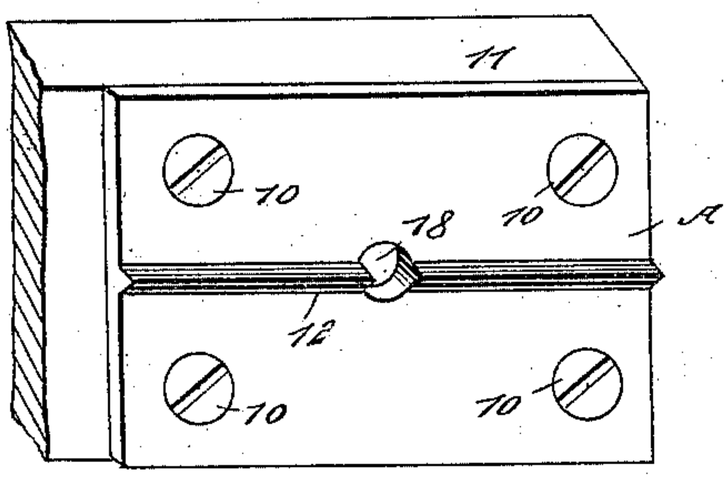


Fig 4.

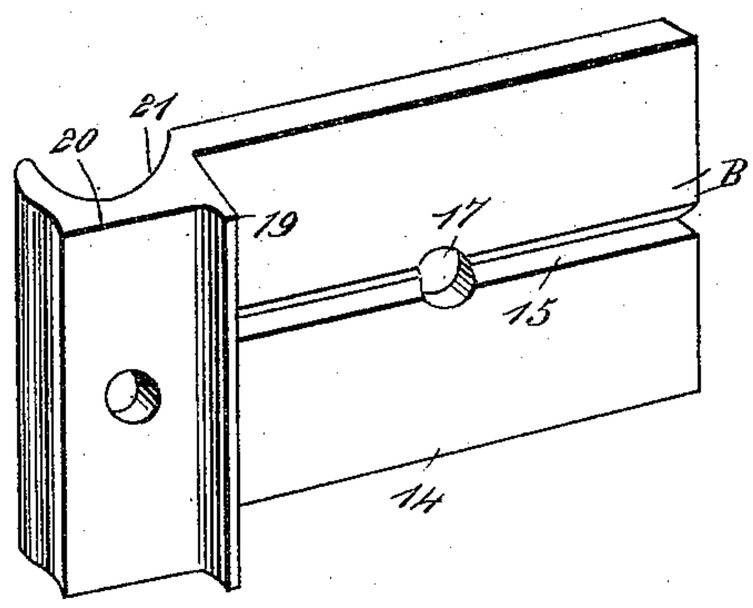
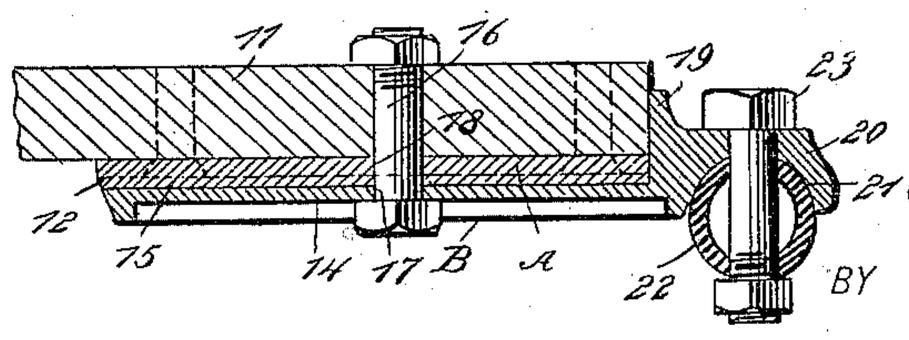


Fig 5.



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(No Model.) 2 Sheets—Sheet 2.

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BEDSTEAD IRON.

No. 550,854. Patented Dec. 3, 1895.

Fig 6.

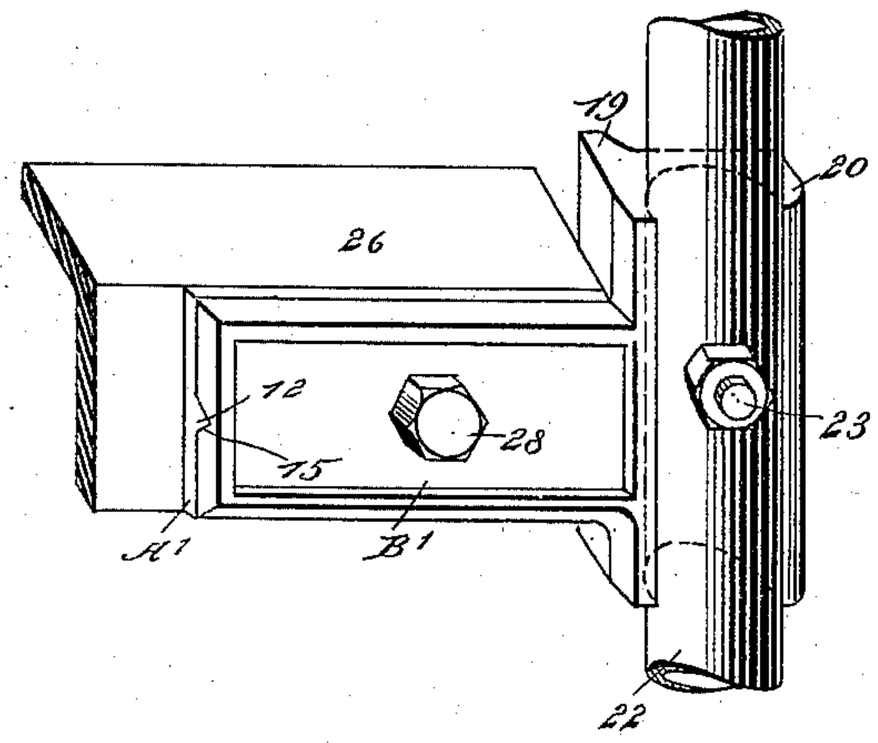


Fig 7.

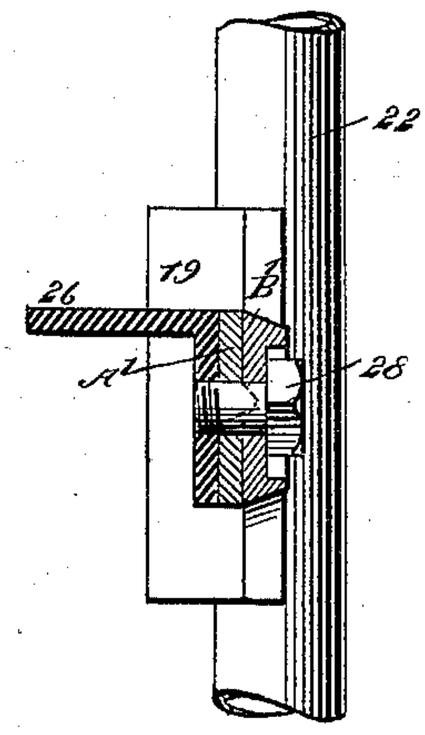


Fig 8.

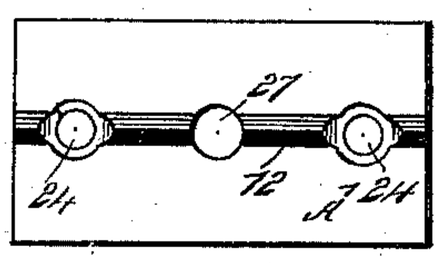
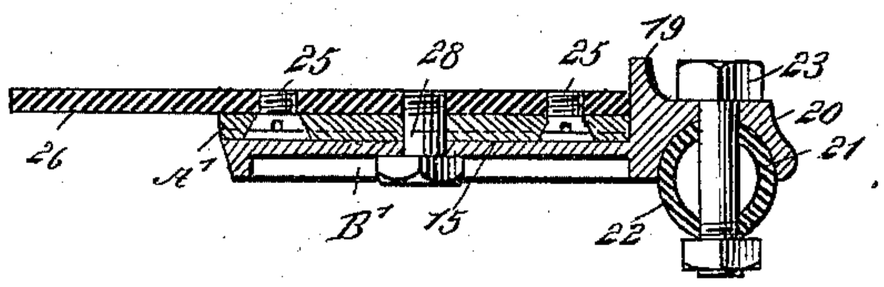


Fig 9.



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UNITED STATES PATENT OFFICE.

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BEDSTEAD-IRON.

SPECIFICATION forming part of Letters Patent No. 550,854, dated December 3, 1895.

Application filed June 25, 1895. Serial No. 553,997. (No model.)

To all whom it may concern:

Be it known that I, EDWIN F. TILLEY, of New York city, in the county and State of New York, have invented certain new and useful Improvements in Bedstead-Irons, of which the following is a full, clear, and exact description.

The invention relates to a device for attaching tubular or other iron bed-posts to the side rails thereof; and the main object of the invention is to provide a construction which will make it possible to secure the said parts with absolute rigidity, so that they will be allowed no possible play.

It is also an object of the invention to make the parts as simple and durable as possible; and with these several ends in view the invention consists in certain peculiar features of construction, which will be hereinafter described, and finally embodied in the claims.

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

Figure 1 represents a perspective view of portions of a bed-post and side rail and showing them joined by means of the bedstead-iron, the side rail in this case being of the form usually made in wood. Fig. 2 is a perspective view of the same parts, the view being taken from the opposite side. Fig. 3 is a perspective view of one section of the iron shown in Figs. 1 and 2, the same being illustrated as secured to the side rail. Fig. 4 is a perspective view of the remaining section of the said iron and showing said section detached from the other parts. Fig. 5 is a horizontal section taken through the parts when arranged as in Figs. 1 and 2. Fig. 6 is a perspective view of my improved device, showing slight variations in the form thereof which permit it to be applied to a bed having angle-iron side rails. Fig. 7 is a cross-section of the same. Fig. 8 is a plan view of one section of this varied form, and Fig. 9 is a horizontal sectional view of the same.

In constructing the form of my invention shown in Figs. 1 to 5 I provide two sections A and B. The section A is rectangular in form and provided with a series of openings receiving screws 10, which are passed through the section A and into the wooden side rail 11, it being in connection with such a side rail that the form referred to is adapted for use. The section A is thus rigidly secured to the outer side of the side rail 11, and the said section is formed with a horizontal and central rib 12, the same being V-shaped in cross-section and projecting from the outer face of the section A. The remaining section B comprises a flat portion 14, which is for the greater part of the same size and shape as the section A and is formed with a V-shaped groove 15 in its inner face, the said groove receiving the rib 12, as shown in Figs. 1 and 5.

The part 14 of the section B is rigidly secured on the section A by means of a bolt 16, passed through an opening 17, formed in the section B, and through a corresponding opening 16, formed in the section A, the bolt being held in place by means of a nut on its inner end, as illustrated in Fig. 5.

The outer end of the part 14 of the section B has formed integral therewith an inwardly-extending shoulder 19, which has a plain rear face bearing snugly against the outer extremity of the section A and against the corresponding portion of the side rail 11.

The outer end of the section B is provided with a projection 20, which is contiguous to the shoulder 19 and which has formed in its outer side a semicircular and vertically-disposed groove 21, the same receiving the vertical post 22 of the bed. The post 22 is preferably tubular in form, such being the usual construction of the posts in iron bedsteads, and is rigidly secured in the groove 21 by means of a bolt 23, which passes through the arm 20 and through the post, as illustrated in Fig. 5.

The form of my invention which is adapted for use in connection with angle-iron side rails retains the essential features of the above-described form and comprises a section A′, similar to the section A of Figs. 1 to 5, and a section B′, which has the essential features of the first-described section B and which differs therefrom only in the vertical extent of the projecting arm 20 and shoulder 19. This is necessary because of the narrow character of the side rail when formed of iron, which makes it necessary to reduce the width of the sections A′ and B′ and accordingly enlarge the other parts.

The section A′ in Figs. 6 to 9 is provided with two screw-openings 24, through which screws 25 respectively pass, the said screws being tapped into the side rail 26, whereby the section A′ is secured in place. The section A′ is also formed with a central opening 27, the same being adapted to receive the screw 28, which is passed through a corresponding opening in the section B′ and which is also tapped into the side rail 26. Thus it will be seen that the two sections are rigidly secured to each other and that the section A′ is rigidly secured to the side rail, the rib 12 and groove 15 of these parts being similar to those before described and serving the same functions. The shoulder 19 and arm 20 in this form also serve the same functions above described, and further description thereof will be unnecessary.

The purpose of the groove 15 and rib 12 is to assist the bolts 18 or 28 in securing the two plates together and in rendering them incapable of independent movement, and it will be seen that by means of the two plates having these parts forced together independent movement of the plates is absolutely impossible.

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

1. A bedstead iron, consisting of two sections, one of which is formed with a horizontal and outwardly projecting rib and adapted to be rigidly secured to the side rail of a bedstead, and the other section being formed with a plain portion lying against and adapted to be rigidly secured to the first section and having a groove receiving the rib thereof, the second section also having an inwardly extending shoulder lying against the outer edge of the first section and the corresponding edge of the side rail, and an arm projecting longitudinally of the section and contiguous to the shoulder, the said arm being formed with a vertically extending groove adapted to receive the adjacent post of the bedstead, substantially as described.

2. A bedstead iron, comprising two sections one of which is formed with a rib on its outer face and adapted to be secured to the side rail of the bedstead, and the other section being formed with a groove receiving the rib of the first section and with a second groove receiving the post, the two sections being bolted together, substantially as described.

3. A bedstead iron formed of two sections, one of which is adapted to be rigidly secured to the side rail of a bedstead, and formed with a rib on its outer face, the other section being formed with an arm adapted to be connected to the post, and also having a groove receiving the rib of the first section, the two sections being adapted for rigid connection with each other, substantially as described.

4. A bedstead iron, consisting of two sections, one of which is adapted to be rigidly secured to the side rail of a bedstead, and formed with a rib on its outer face, the second section comprising a part similar to the first section and having a groove receiving the rib thereof, the section also having an arm and shoulder extending from its outer extremity, the said arm and shoulder being projected vertically beyond the edges of the first section, and the arm being formed with a groove for receiving the post of the bedstead, substantially as described.

EDWIN F. TILLEY.

Witnesses:
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EDWARD J. CLARK.