No. 801,462. PATENTED OCT. 10, 1905.

J. P. LEIN.

MATTRESS FRAME.

APPLICATION FILED MAR. 24, 1904.

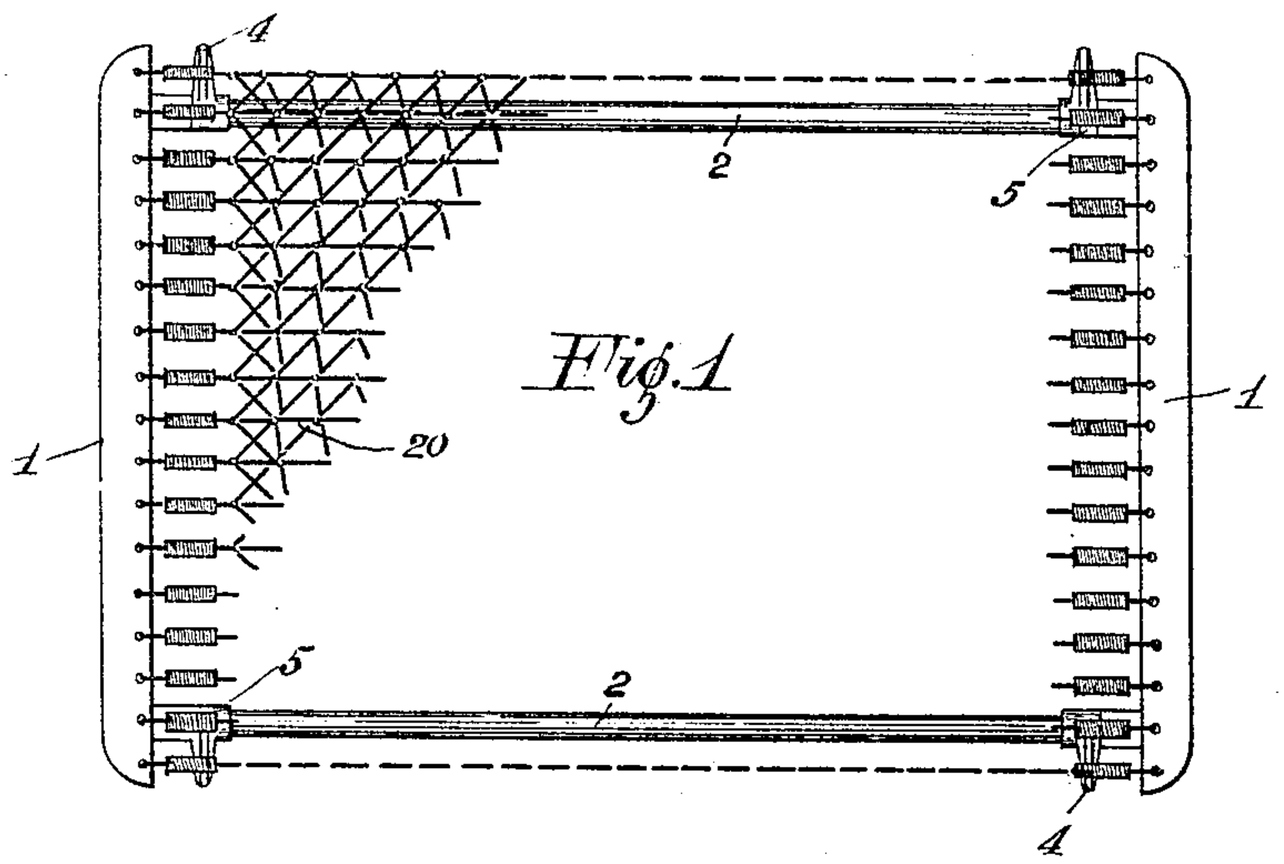


Fig. 1

Fig. 2

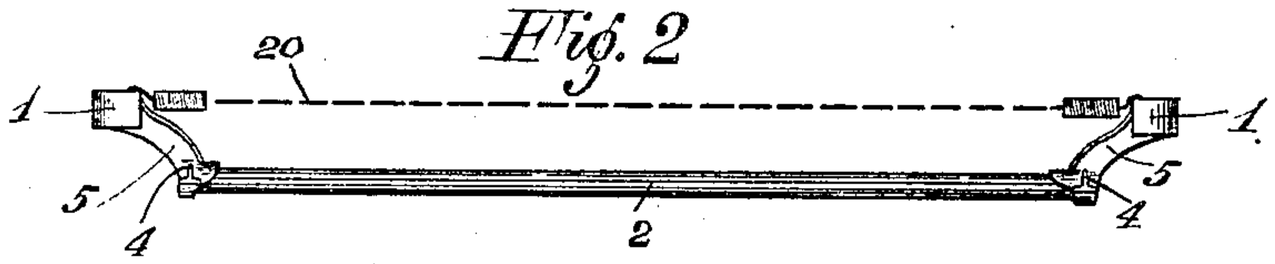


Fig. 4

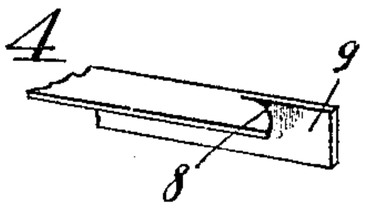
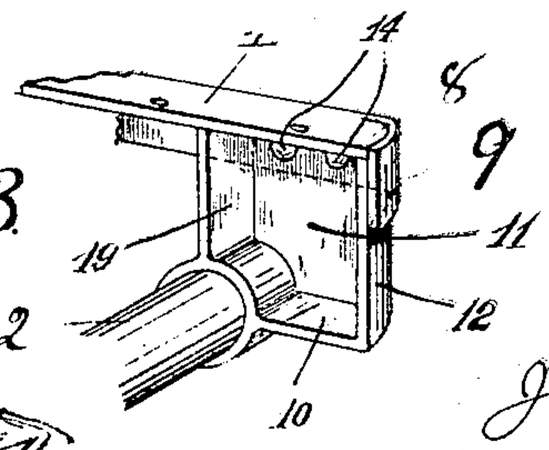


Fig. 3



Witnesses
Julian L. Wooster.
L. K. Sager.

John P. Lein Inventor
By his Attorney C. V. Edwards.

UNITED STATES PATENT OFFICE.

JOHN P. LEIN, OF NEW YORK, N. Y.

MATTRESS-FRAME.

No. 801,462. Specification of Letters Patent. Patented Oct. 10, 1905.

Application filed March 24, 1904. Serial No. 199,669.

To all whom it may concern:

Be it known that I, JOHN P. LEIN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Mattress-Frames, of which the following is a full, clear, and exact specification.

This invention relates to mattress-frames for bedsteads, and has particular reference to improvements in the construction of the frame, whereby a light, strong, and otherwise advantageous construction may be secured.

Mattress-frames as usually constructed comprise two side bars and two end bars suitably connected together with the woven-wire springs carried by the end bars; and the object of this invention is to construct a mattress-frame which shall be light and strong and at the same time of improved appearance. In a mattress-frame embodying this invention the side bars may be made of rods or tubes and the end bars of angle-plates. The side bars are connected to the end bars by an improved casting having a socket for the side bar and an upwardly-projecting portion adapted to be secured to the end bar.

A further object of the invention is to construct a mattress-frame so that there will be no sharp projections or angles likely to tear the bedding where the side and end bars join and also at the corners of the mattress-frame.

The invention also comprehends other features of novelty and advantages, which will be more fully described in connection with the accompanying drawings, in which—

Figure 1 is a plan view of my improved mattress-frame. Fig. 2 is a side view. Fig. 3 is a detail view showing my improved construction. Fig. 4 is a detail view showing the end of the end bar.

1 1 represent the end bars, 2 2 the side bars, and 20 the springs of the mattress-frame. The bars 1 1 are preferably made of angle-plates and the bars 2 2 of rods or tubes.

In Fig. 3 the end bar is finished as in Fig. 4. I provide a lateral extension 10, adapted to rest on the bed-frame, to which is connected the upwardly-extending back portion 11, having the rounded side or rib 12. Extending from the socket upwardly is a rib 19. The socket-piece is secured to the end bar by rivets or bolts 14, and the rib 12 corresponds in curvature with the end 8 of the end bar. The parallel ribs 12 and 19 also support the upper leg of the angle-plate and give rigidity to the construction. By this construction the round rib 12 forms a support for the bent leg 9 and also gives a longer corner, the corner extending from the extension 10 to the surface of the upper leg of the end bar 1. It will be seen, therefore, that in this construction I have provided a mattress-frame which is strongly and solidly constructed and in which the sharp projecting corners are done away with. In addition to their utility in reducing the possibility of damaging adjacent objects the rounded corners materially enhance the appearance of the mattress-frame.

The construction herein described also enables the wire springs to be supported at some distance above the plane of the side bars, so that the springs can yield without interfering with the side bars or the bedstead-frame.

Modifications and changes may be made without departing from the scope of the invention, and I do not desire to be limited to the exact construction I have shown and described.

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

1. In a mattress-frame, the combination with side and end bars, of socket-pieces for joining the side and end bars, comprising each a socket for the side bar, a laterally-projecting portion adapted to rest on the bed-frame, a curved back plate or rib extending upwardly from said lateral extension, a rib extending upwardly from said socket, the end bar being secured to said back portion and having its end split, the end of the upper leg being rounded and the other leg being bent around said upper leg, the curvature coinciding with that of the back plate, substantially as described.

2. The combination with a corner-block comprising a socket adapted to receive a side bar, a back plate extending laterally and upwardly from said socket and curved to form an outside rib, and a rib between the socket and the back plate, of an end bar having its end split, one leg being rounded to conform to the outline of the back plate and overlying it, and the other leg being bent around the curved portion of the first leg and back plate, and means for securing the corner-block and end bar together, substantially as described.

3. The combination with a corner-block comprising a socket adapted to receive a side

bar, a back plate extending laterally and upwardly from said socket and curved to form an outside rib, and a rib between the socket and the back plate, of an angular end bar having its end split, one leg being rounded to conform to the back plate, and the other leg being bent around the curved end of the first leg and the back plate, and means for securing the corner-block and end bar together, substantially as described.

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

JOHN P. LEIN.

Witnesses:

JULIAN S. WOOSTER,

L. R. SAGER.