J. W. C. PETERS.

METALLIC BEDSTEADS.

No. 195,641. Patented Sept. 25, 1877

Fig. 1.

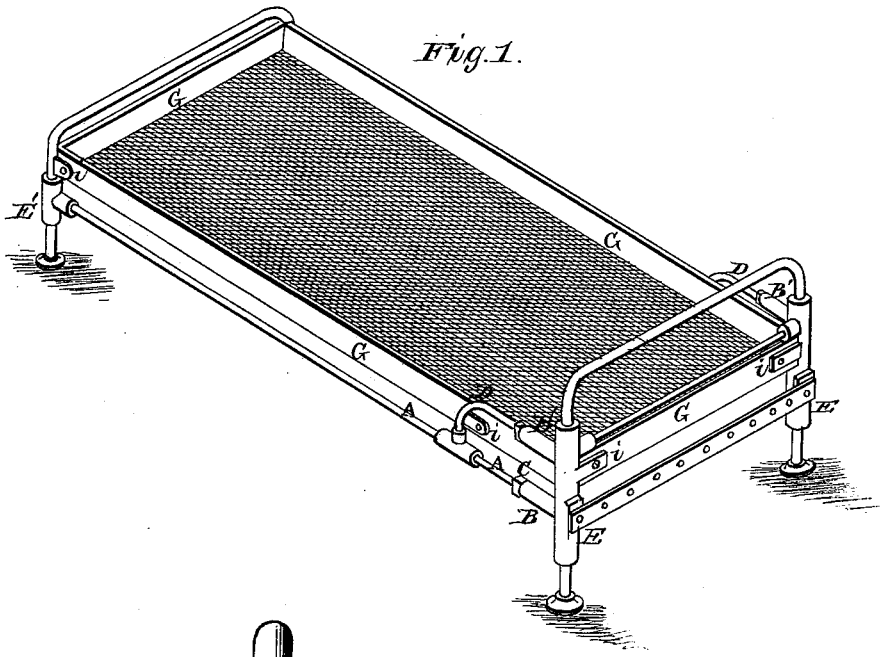


Fig. 2.

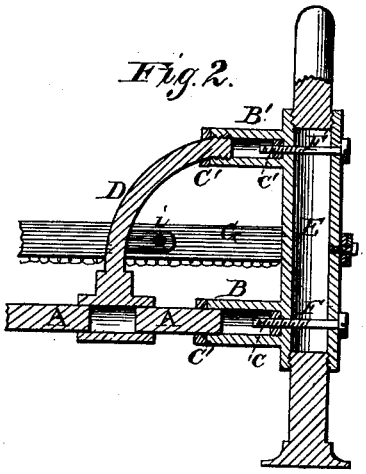
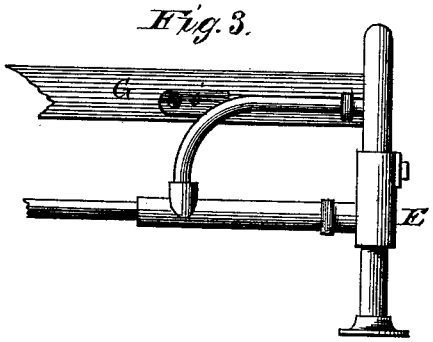


Fig. 3.



WITNESSES

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IMPROVEMENT IN METALLIC BEDSTEADS.

Specification forming part of Letters Patent No. **195,641**, dated September 25, 1877; application filed July 25, 1877.

To all whom it may concern:

Be it known that I, J. WILLIAM C. PETERS, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Metallic Bedsteads, of which the following is a specification:

This invention relates to that class of metallic bedsteads in which the elastic fabric, or any other material used for the support of the bedding, is designed to be stretched to secure a proper degree of tension. Either solid or hollow metal may be used, and the metal may be round or square, or of any other style desired.

My invention consists more particularly in the construction and adaptation of the side rails, or of the side rails and braces, and in the combination thereof with the other parts of the bedstead, as hereinafter set forth; and it also consists in the combination of the metallic bedstead described, with additional side rails and end rails, so placed as to inclose the bedding and retain it in place.

Figure 1 represents a perspective view of my improved metallic bedstead. Fig. 2 represents a sectional view on a central vertical line through one corner of the bedstead to which my invention is applied. Fig. 3 represents a similar view of another corner of the same, showing another manner in which my invention is applied.

In the accompanying drawings, A A represent the metallic side rail of this bedstead, upon one or both ends of which a thread is cut, and one end of which may be in any manner secured to either the head or foot post or standard, and the other end, upon which a thread is cut, is inserted into the tube or sleeve B, which projects from and is in any suitable manner attached to the post or standard E. A threaded nut, C, is fitted upon the end of the side rail A A, back of the open end of the sleeve B, and by turning this nut C the distance between the standards E and E′ is increased or lessened, (it being understood that the elastic fabric or other material used for the support of the bedding will of its own unconstrained action operate to draw the standards toward each other to a considerable extent,) and any desired tension of the elastic fabric or other material for the support of the bedding is thereby acquired and maintained.

For the purpose of still further strengthening the bedstead, when it is necessary, an arm or brace, D, is attached at one end to the side rail A A by means of a ⊥-coupling, or in any other suitable manner; and at the other end a thread is cut, upon which the nut C′ is fitted, and this end is then inserted into the tube or sleeve B′, which sleeve B′ is attached to the standard E, as provided in the case of the similar sleeve B. This arm or brace D may be put either above or below the side rail, or both above and below it.

When the arm or brace D is used, the side rail may be of more than one piece, as shown in the drawings A and A, or if desired it may be of one piece throughout its entire length. When the arm or brace D is not used, the side rail is preferably of one piece.

In ordinary cases, when the proper degree of tension of the support for the bedding has been attained, by turning out the nuts C and C′ the several parts of the bedstead will be held quite firmly in their position; but where a still greater degree of firmness is desired, I pass the set-screws F and F′ through orifices in the standard E into the nuts *c* and *c′*, formed in the ends of the side rail A and the arm or brace D, and by turning these set-screws F and F′ firmly in, an exceedingly great degree of firmness and rigidity is obtained.

When these set-screws are used, and it is desired to increase the tension of the support for the bedding, the set-screws must first be turned out the desired distance, and then the adjusting-nuts C and C′ turned forward until the outer face of the standard E is brought firmly against the head of the set-screws F and F′. The reverse of this operation will slacken the support for the bedding, and also hold the parts of the bedstead firmly together.

Having thus described one manner of securing any desired tension of the support of the bedding, I will now describe another mode which I sometimes use to obtain the same result.

Instead of forming the thread on the side rail A and on the brace D, I make these parts in the form of a tube, as shown at A and D

in Fig. 3, and instead of making the projection from the standard marked B in the form of a tube or sleeve, as at B in Figs. 1 and 2, I make this member to enter into the tubular end of the side rail A, as shown in Fig. 3, and cut upon it a thread, as shown on the member B in Fig. 3, and upon this thread is placed the adjusting-nut C, which, by being turned against the end of the aforesaid tubular member A, will force the standards E E′, with their connecting end rails, farther apart, and thus increase the tension of the support for the bedding. In this case the brace D is formed in the same manner, into the tubular end of which the threaded projection E′ is inserted, and, by means of the adjusting-nut C′, as shown in Fig. 3, this is also operated as above.

The additional side rails G, before referred to, used to retain the bedding in place, may be made of any desired material and height, and are secured in any suitable manner to the brace D, at the adjustable end of the bedstead, and to the standard E′ by being fastened to a flange, *i*, attached to the said standard E′, or by any other suitable means.

The corresponding head and foot rails H and H′ are secured to the standards E and E′ by means of flanges *i* upon the standards, or in any other manner.

By this means the support for the bedding is made the entire length of the bed, and is also made adjustable as to its tension, and placed in a metallic bedstead, which may also be provided with additional side and end rails to inclose the bedding and retain it in place.

The adjusting device, which in the accompanying drawing is shown at one end of the bedstead, may be used at either the head or the foot, or at both head and foot, of the bedstead.

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

1. In a metallic bedstead, upon which a support for the bedding is designed to be stretched, the combination of the side rails A, the nuts C, with the sleeve B attached to the standard E, substantially as and for the purpose set forth.

2. The combination of the side rails A of a bedstead, as described, provided with the arms or braces D, the nuts C and C′, with the sleeves B and B′, attached to the standards E, arranged substantially as and for the purpose set forth.

3. In a metallic bedstead, the side rails A, the nuts C, the sleeves B, and standard E, in combination with the set-screws F, taking into the nuts *c*, constructed substantially as and for the purpose set forth.

4. In a metallic bedstead, upon which a support for the bedding is designed to be stretched, the combination of the side rails A, having a tubular end, and the nuts C with the threaded projections B attached to the standards E, substantially as and for the purpose set forth.

5. In combination with a metallic bedstead, as described, the additional side rails G and end rails H, arranged substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

J. WM. C. PETERS.

Witnesses:
D. C. JONES,
JOHN E. WHITTLESEY.