

(No Model.)

H. NEILL.
CLAMP FOR BEDSTEADS.

No. 537,476.

Patented Apr. 16, 1895.

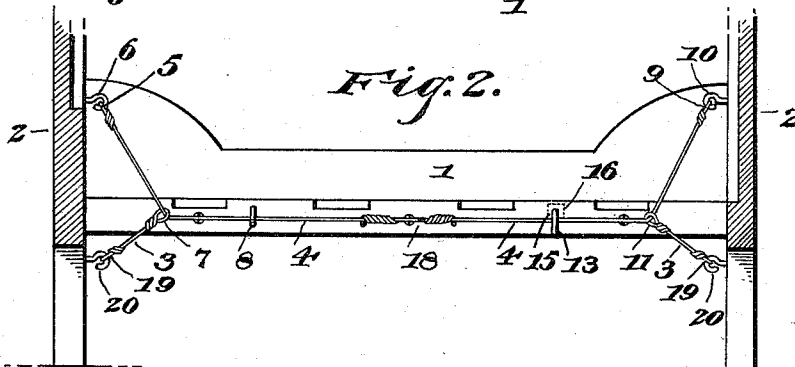
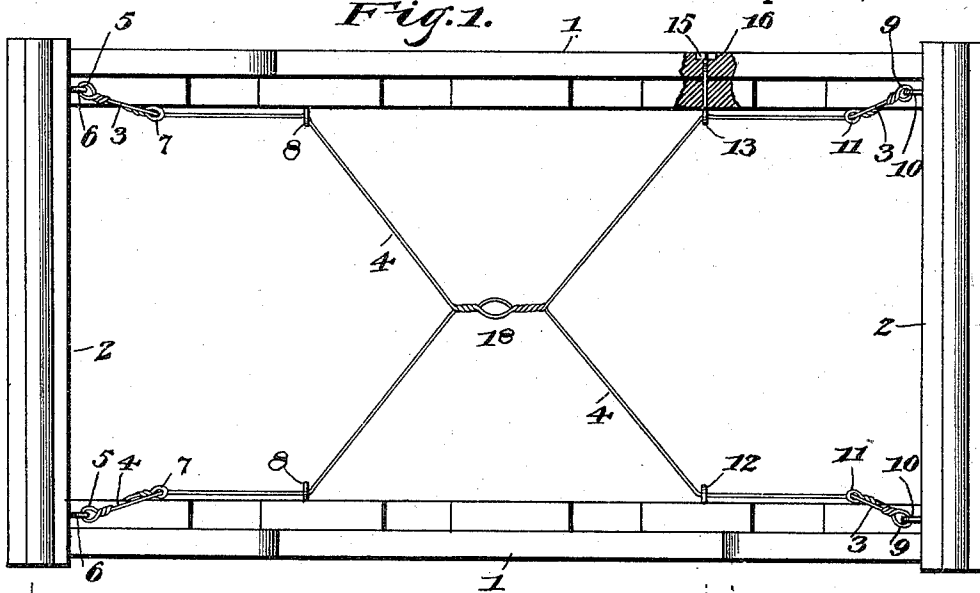


Fig. 5.



Fig. 4.

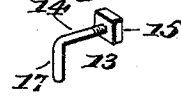
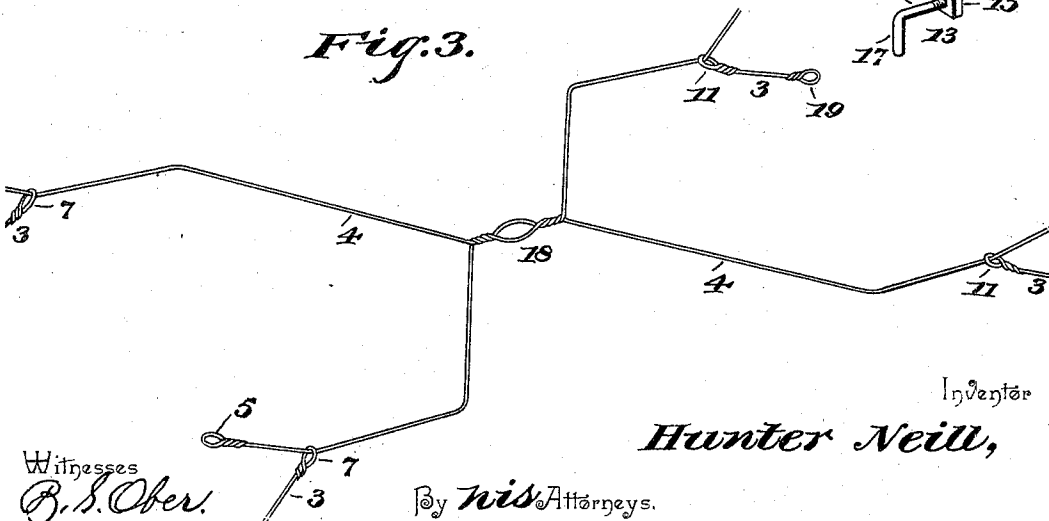


Fig. 3.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

HUNTER NEILL, OF ST. JOHN, KANSAS.

CLAMP FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 537,476, dated April 16, 1895.

Application filed March 9, 1894. Serial No. 503,038. (No model.)

To all whom it may concern:

Be it known that I, HUNTER NEILL, a citizen of the United States, residing at St. John, in the county of Stafford and State of Kansas, have invented a new and useful Clamp for Bedsteads, of which the following is a specification.

My invention relates to an improvement in those bedstead securing and bracing devices which are constructed of wires secured to the several parts of the bed and joined to each other by twisting and clamping together; and the object of the invention is to improve the arrangement of these wires, whereby they will be made more efficient in their operation, and in addition, capable of quicker and easier application.

A further object is to provide a device whereby the several wires composing my clamp may be readily removed from the bed after having been twisted or otherwise joined to each other.

To these ends my invention consists in the peculiar construction and arrangement of parts whereby I attain the several objects of the invention, all of which will be fully described hereinafter and finally embodied in the claim.

In the accompanying drawings: Figure 1 represents a plan view of a bedstead supplied with my improvements; Fig. 2, a longitudinal section thereof; Fig. 3, a detail perspective view showing the wires removed; Fig. 4, an enlarged detail showing the device for permitting the removal of the wires; Fig. 5, a similar view of one of the remaining hooks.

The reference numeral 1 indicates the side rails of the bed, to which I have shown my improvements applied, and 2 the head and foot boards. These are mounted upon the usual legs, and the whole may be of any preferred construction. The connections between the side rails and head and foot boards may also be of any preferred kind.

My improved clamp or binding is constructed of six sections of wire, four of which are duplicates of each other and indicated by the numeral 3, while the remaining two are duplicates and are indicated by the numeral 4.

The sections 4 consist of long lengths of wire formed with the eyes 5 at their left hand

ends and secured, at such ends, to the head board of the bed, by means of the hook 6. These hooks are arranged so that the eyes 5 may be readily removed from engagement therewith, for a purpose that will be more fully described hereinafter. From the hooks 6 the sections 4 extend downwardly and toward the foot of the bed until the eyes 7 of the forward sections 3 are reached. Through these eyes the sections 4 respectively pass, and from this point the said latter sections proceed along the inner sides of the rails 1 to the guiding hooks 8.

Hooks 8 serve to hold the sections 4 at this point, and from here the sections in question extend toward the center of the bed, as will be more fully described hereinafter. The right hand or foot ends of sections 4 are arranged in a way similar to that of the remaining ends. They are formed with eyes 9, which are held by hooks 10, and from here they proceed downwardly to the eyes 11 of the right hand sections 3. The sections 4 next proceed through the hooks 12 and 13 to the center of the bed.

The hook 12 is similar to the hooks 8, while the hook 13 is of a peculiar construction, so as to permit the removal of the wires. This construction consists of a rotatable shank 14, fitted in the side rail 2 on the left hand side of the bed, so as to be capable of revolving, yet incapable of pulling out. To attain this end the nut 15 is provided, and arranged to operate in a recess 16, whereby the hook may be turned without endangering the security of the seat.

Formed integral with the shank 14 is the straight right-angularly disposed arm or hook proper 17, which engages its wire and operates to hold it in place. This arm is normally disposed downwardly and slightly forwardly, so as to hold the wire which engages it, and so that the wire can be released by swinging the arm and shank to the right. Thus by releasing the wire from hook 13 the tautness of the entire system is relaxed, and by disengaging the remaining hooks the wires may be removed.

From the hooks 8, 12 and 13 the wires 4 extend toward the center and are there looped over each other and twisted so as to secure

them in place. This is shown at 18, and by this means the wires are drawn tightly in their place.

The brace sections 3 consist of short pieces 5 of wire, extending downwardly from their respective eyes 7 and 11, and formed at their lower ends with the eyes 19, which engage the hooks 20 of the head and foot boards. These 10 hooks, 20, are four in number, two for each head and foot board respectively, and are arranged below the plane of the side rails 1. By this construction it will be seen that, upon tightening the several wires composing my invention, the sections of the bed will be drawn 15 tightly together and held in rigid adjustment. Thus the wires 4 will pull, from hooks 8, 12 and 13, to draw the side rails together and cause their fastenings to bind against the head and foot boards; while the eyes at the 20 ends of sections 4 and the sections 3, tend to draw the head and foot boards together and into engagement with the side rails, thereby further tightening the adjustment.

To apply my improvements, the several 25 eyes on the sections 3 and 4 are joined to their respective hooks, and to each other, after which they are passed through hooks 8, 12 and 13 and then looped as explained. As the wires are twisted into engagement with each 30 other they are drawn together, thus tightening them and effecting the adjustment just described.

The purpose of hook 13 is to permit the bindings to be withdrawn, should it be desired to

take the bed apart, and as this has been explained, no further description is necessary. 35

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

In a clamp for bedsteads, the combination 40 with hooks adapted to be secured to the head and foot boards and the legs of a bedstead; of a pair of duplicate wires 4, tightly twisted together at their centers and provided at their extremities with eyes detachably engaging 45 the hooks on the head and foot boards of the bedstead, short brace wires 3, provided at both ends with eyes, the eyes at the lower ends of the short brace wires engaging the hooks on the legs of the bedstead, and the eyes at the 50 upper ends of the said brace wires loosely receiving the wires 4, and guiding hooks secured to the inner sides of the side rails of the bedstead to receive the wires 4, one of said guiding hooks being rotatable and consisting of a straight shank 14, and a straight 55 arm 17, disposed at right angles to the shank 14, said rotatable hook being adapted to be turned in and out of engagement with one of the wires 4, substantially as set forth. 60

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

HUNTER NEILL.

Witnesses:

CHAUNCEY F. BENFORD,
WILLIAM W. ONEAL.