No. 818,502. PATENTED APR. 24, 1906.

J. B. WILSON.

WIRE MATTRESS STRETCHER.

APPLICATION FILED APR. 22, 1905.

2 SHEETS—SHEET 1.

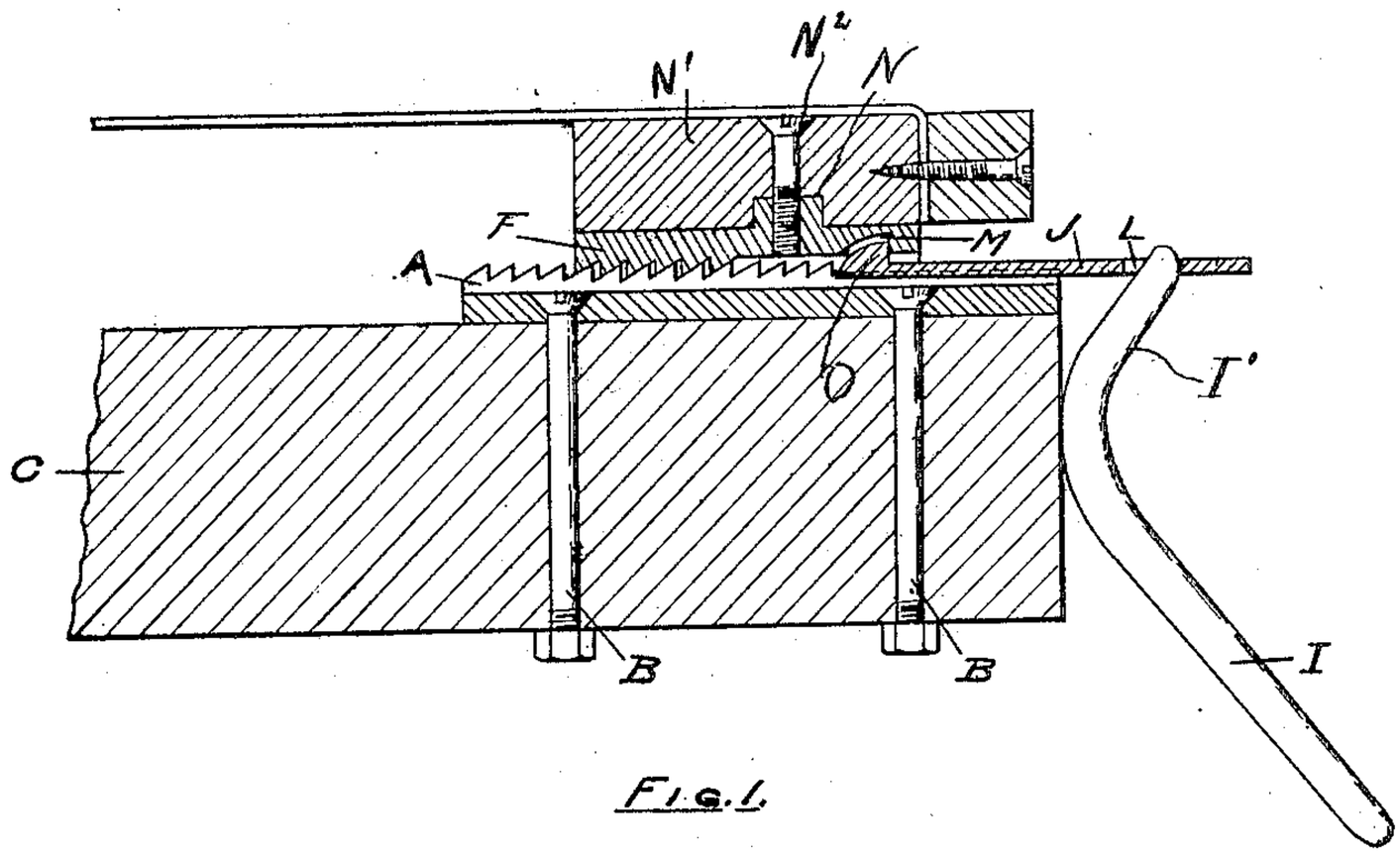

FIG. 1.

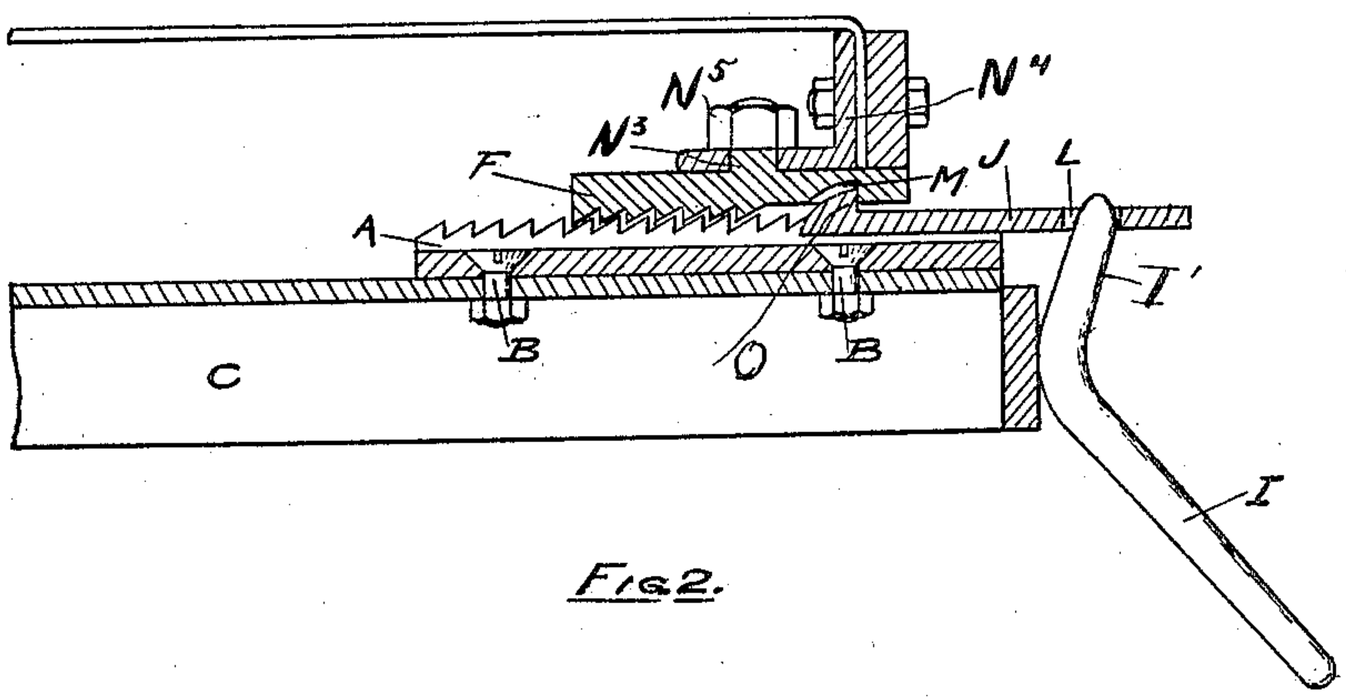

FIG. 2.

WITNESSES

Grace A. Marvin.

Cabin L. Milans.

INVENTOR

Jerome B. Wilson,

by Clark C. Wood.

ATTORNEY

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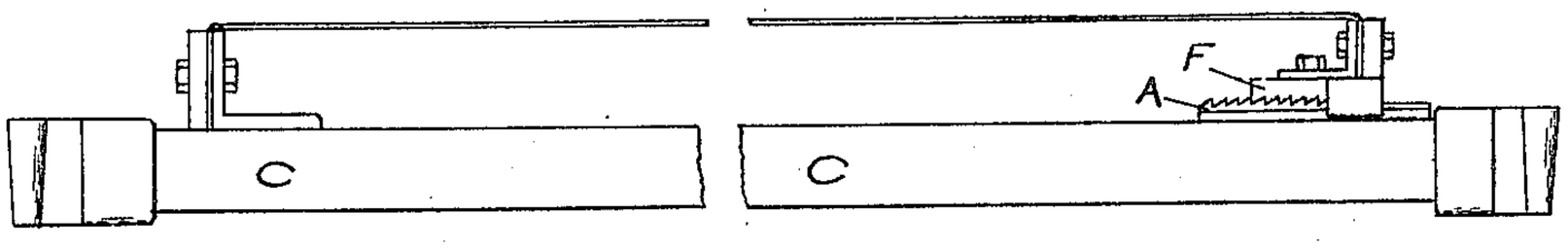

FIG. 3.

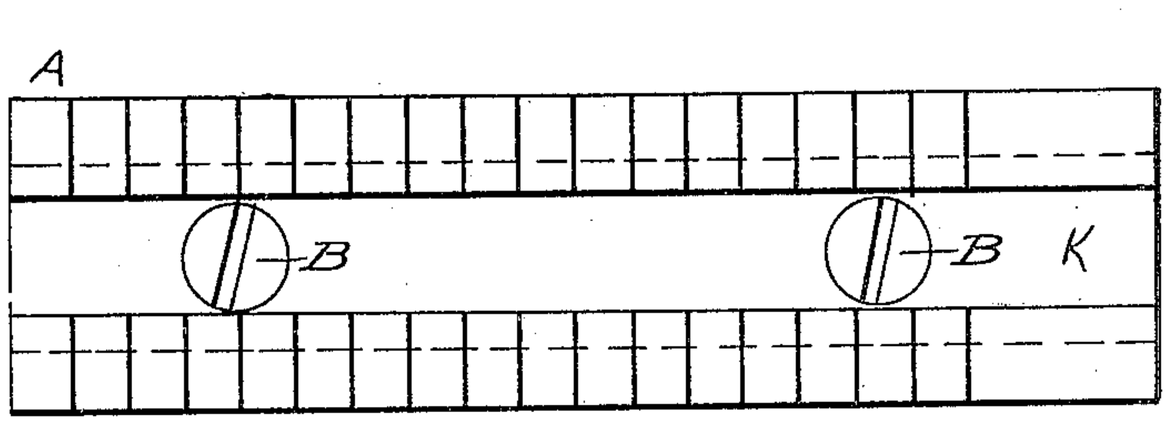

FIG. 4.

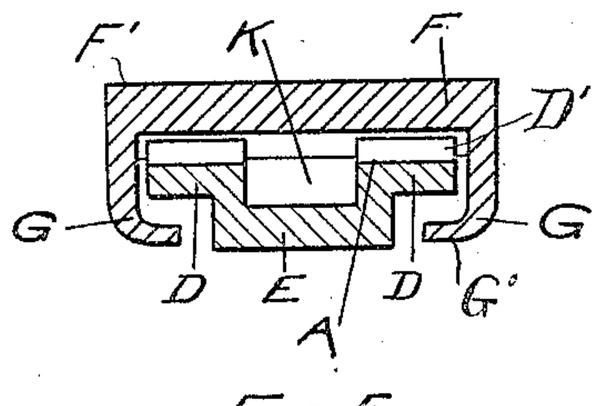

FIG. 5.

WITNESSES

Grace A. Marvin.

Gabriel F. Milans,

INVENTOR

Jerome B. Wilson,

By Clark C. Wood

ATTORNEY

UNITED STATES PATENT OFFICE.

JEROME B. WILSON, OF LANSING, MICHIGAN.

WIRE-MATTRESS STRETCHER.

No. 818,502. Specification of Letters Patent. Patented April 24, 1906.

Application filed April 22, 1905. Serial No. 257,017.

To all whom it may concern:

Be it known that I, JEROME B. WILSON, a citizen of the United States, residing at Lansing, in the county of Ingham and State of Michigan, have invented a new and useful Improvement in Wire-Mattress Stretchers, of which the following is a specification.

My invention relates to improvements in mattress-stretchers, and more particularly to wire-mattress stretchers of the type and character illustrated in my former patent, No. 739,568, issued to me September 2, 1903, and is designed to make the device easier of application, more efficient in operation, and adaptable to a greater variety of styles of mattresses and beds.

In the accompanying drawings, forming a part hereof, and wherein a preferable embodiment of my invention is disclosed for the purpose of illustration, Figure 1 is a longitudinal section of a wire mattress mounted on a wooden frame, the section being taken through the center of one of the side rails of the mattress. Fig. 2 is a similar section showing the application of the device to a mattress having an iron frame. Fig. 3 is an elevation of one of the sides of the iron frame of the mattress. Fig. 4 is a top plan view of the rack detached from the frame, and Fig. 5 is a cross-section of the rack with the clamping member in position thereon.

Referring now more particularly to the drawings, wherein like reference characters refer to corresponding parts throughout the several views, A designates a rack secured intermediate its sides by suitable bolts B to the side rails C of the bedstead or spring-mattress. Said rack comprises a base portion E and upwardly and outwardly projecting side portions D, serrated at D′ upon their upper surfaces.

F designates a clamping member comprising a top portion F′ and downwardly-extended flanges G, terminating in inwardly-bent portions G′, arranged to loosely overlap the projecting flanges D of the rack A. Said clamping member F has arranged upon the lower surface of its top F′ a series of teeth arranged complementary to and adapted to engage the serrated portions of the flanges D. As shown in Fig. 1, the clamp F is provided with an upwardly-extended lug N, adapted to fit a recessed portion in the end rail N′ of the mattress-holding frame, and arranged to pass through complementary apertures in the end rail and said lug N is a suitable set-curing-bolt N^2. As shown in Fig. 2, the clamping member F is provided with a threaded bolt N^3, adapted to pass through an aperture in the frame N^4 and provided with a set-curing-nut N^5.

By the construction thus far described it will be seen that while the rack and clamp are interlocked with one another, yet by reason of the loose connection therebetween the one may be raised out of engagement with the other, whereupon by giving a relative longitudinal movement the mattress may be stretched at will. Novel means are provided for this stretching operation. The clamp F is provided on its lower surface with a recessed portion M, arranged to the rear of the teeth above described. J designates an elongated bar adapted to rest upon the rack A intermediate the flanges D and has at its forward end an upwardly-extended lug O, arranged to register with the recessed portion M of the clamp F. I designates an operating-bar having a curved portion I′, the end of which is arranged to loosely engage a slotted portion L of said bar J. It will be noted that the end of the side bars C will act as a fulcrum for the operating-lever I, the bend thereof abutting against said ends, while downward pressure upon the free end of said bar will impart movement to the bar J, which in turn will actuate the clamp F and adjust the relative positions of the teeth and rack, thus quickly stretching the mattress. It will be borne in mind that the bars I and J are readily detachable and will be disengaged after the stretching operation.

It is obvious that many minor changes may be made in the construction and details of my invention without in the least departing from the spirit of the invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a device of the character described, the combination of a side bar and an end bar, a rack on the side bar having upwardly and outwardly extending flanges, teeth on said flanges, a clamp on the end bar, said clamp having teeth arranged to engage said first-mentioned teeth, and downwardly-extended flanges arranged to loosely engage under said flanges of the clamp.

2. In a device of the character described, the combination of a side bar and an end bar, a rack on the side bar having upwardly and outwardly extending flanges, teeth on

said flanges, a clamp on the end bar, said clamp having teeth arranged to engage said first-mentioned teeth, downwardly-extended flanges arranged to loosely engage under said flanges of the clamp, and means for imparting relative longitudinal movement between said clamp and rack.

3. In a device of the character described, the combination with a side bar and an end bar, a rack on the side bar having upwardly-extended flanges at its respective sides and an intermediate unobstructed portion, teeth on said flanges, a clamp on said end bar, teeth on the clamp arranged to engage said first-mentioned teeth on the rack, and means arranged within said unobstructed space between the flanges of the rack, adapted to engage the clamp to impart movement thereto.

4. In a device of the character described, the combination with a side bar and an end bar, a rack on the side bar having upwardly-extended flanges at its respective sides and an intermediate unobstructed portion, teeth on said flanges, a clamp on said end bar, teeth on the clamp arranged to engage said first-mentioned teeth on the rack, and a member adapted to rest within said unobstructed space between the flanges on the rack, said member having a detachable interlocking engagement with the clamp, whereby a longitudinal movement of said member will impart a like movement to said clamp.

5. In a device of the character described, the combination with a side bar and an end bar, a rack on the side bar having a longitudinally-extended centrally-arranged unobstructed portion and teeth without said unobstructed portion, a clamp on said end bar, teeth on the clamp arranged to engage said first-mentioned teeth on the rack, and means arranged within said unobstructed space between the teeth on the rack adapted to engage the clamp to impart movement thereto.

6. In a device of the character described, the combination with a side bar and an end bar, a rack on the side bar having an unobstructed surface and flanges extending outwardly therefrom, teeth on said flanges, a clamp on said end bar, teeth on the clamp arranged to engage said first-mentioned teeth on the rack, and means arranged within said unobstructed portion of the rack, adapted to engage the clamp to impart movement thereto.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JEROME B. WILSON.

Witnesses:

HARRIET L. LAWRENCE,

BERTHA I. CHASE.