No. 808,113. PATENTED DEC. 26, 1905.

R. P. RASCHICK.

DEVICE FOR STRETCHING SPRINGS.

APPLICATION FILED JUNE 30, 1905.

Fig. 1.

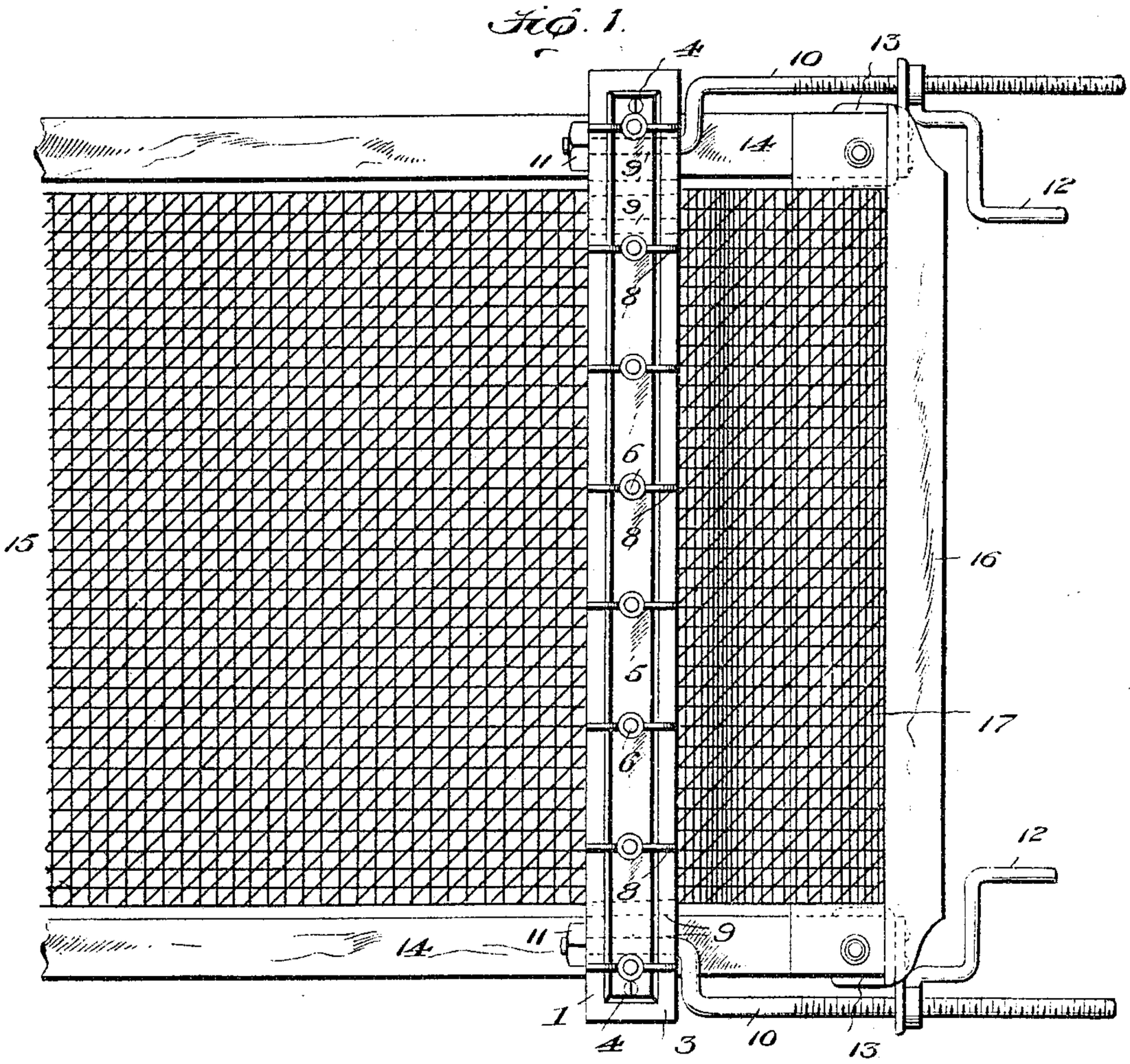
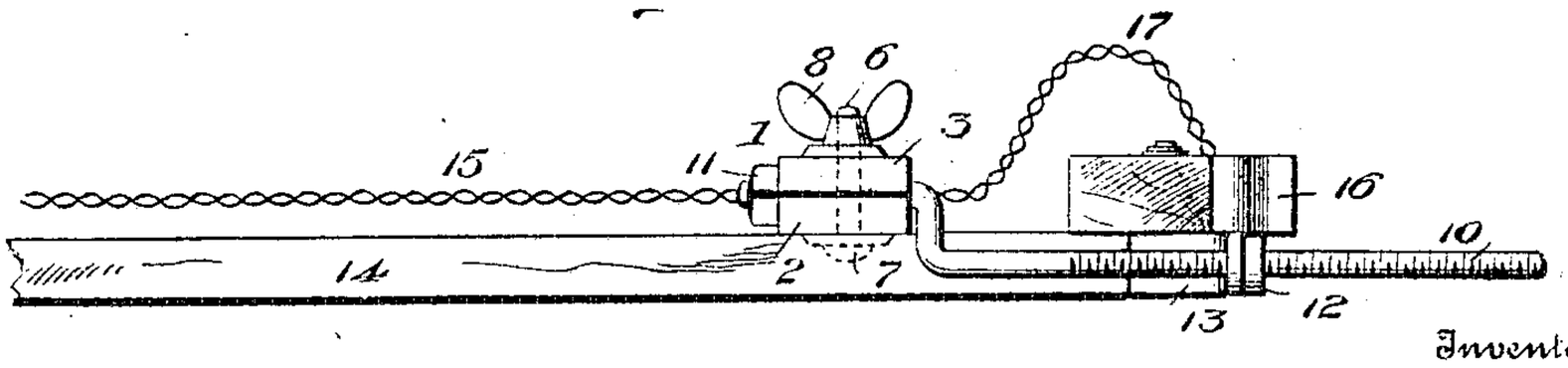


Fig. 2.



Witnesses

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DEVICE FOR STRETCHING SPRINGS.

No. 808,113. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed June 30, 1905. Serial No. 267,863.

To all whom it may concern:

Be it known that I, RICHARD P. RASCHICK, a citizen of the United States, residing at Grand Forks, North Dakota, have invented certain new and useful Improvements in Devices for Stretching Springs, of which the following is a specification.

This invention relates to certain new and useful improvements in stretching devices for stretching the springs of wire mattresses or bed-springs; and it has for its objects, among others, to provide an improved device for this purpose applicable to the bed-spring when the same from use has become sagged and it is desired to stretch the same.

My improvement embodies a two-part clamp to be engaged over the bed-spring at a distance from its end and means whereby the same may be connected with the end timber or member of the spring-support and then the clamp tightened and drawn upon in such a manner as to take up the slack. After this has been done the end piece of the spring-frame is removed, the slack wire which has been taken up drawn taut, nailed to the end piece, and the spring is like new.

The device is simple in its nature, composed of few parts, easily operated, efficient and durable, and readily applied to any form of spring without the necessity of taking the same to a shop or removing it from the room where the bed is located.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a top plan view showing the stretcher applied to a spring bed-bottom, a portion only of the latter being shown. Fig. 2 is an edge view of Fig. 1.

Like numerals of reference indicate like parts in both views.

Referring now to the details of the drawings, 1 designates a clamp composed of two substantially like parts 2 and 3, to the outer face of each of which is secured by screws or other means 4 metal plates 5, and through these plates and through the parts 2 and 3 pass a plurality of bolts 6, having heads 7 upon their lower ends and thumb-nuts 8 upon their other ends, as seen in both of the figures of the drawings. Between these parts 2 and 3 the spring bed-bottom is designed to be secured. In the adjacent faces of the parts 2 and 3 there are a plurality of openings 9 for the reception of the ends of the offset rods soon to be described, thus adapting the device for use upon springs of different widths.

10 designates the offset rods, one near each end of the clamp. They have their offset ends passed through suitable openings 9, according to the width of the spring, and then receive the nuts 11, as seen best in Fig. 1. Upon the other ends of these rods, which are screw-threaded, are the cranks 12, and loosely sleeved upon the said offset rods are the clamps 13, which are designed to engage the ends of the side rails 14 of the spring-frame, as seen best in Fig. 1.

The operation will be readily understood from the annexed drawings, and, briefly stated, is as follows: The bolts 6 and their thumb-nuts are removed and the lower part 2 placed under the spring 15, and the upper part 3 then placed upon the same, and the bolts and their thumb-nuts replaced and the parts screwed tightly together, so as to firmly hold the spring between them. The ends of the offset rods are placed in their appropriate holes 9 and the nuts placed thereon. The clamps 13 are then engaged with the ends of the side rails of the spring-frame, and then the cranks 12 are turned so as to draw upon the clamp 1, and the slack in the bed-spring will be easily taken up, as indicated in Fig. 2. The portions of the cranks 12 which are threaded on the offset rods 10 are arranged to engage the portions of the clamps 13 which are upon the said rods, as seen clearly in Fig. 2. When the spring has been stretched to the required degree, the end piece 16 of the spring-frame is removed, the slack portion 17 of the spring where it has been taken up, as indicated in Fig. 2, is drawn over the same taut and then securely fastened by suitable means, as double-pointed tacks, and the end piece replaced, and the portion of the spring protruding cut off, and the spring will be found practically as good as new. If desired, the spring may be stretched at any one part more than another by leaving out any of the bolts 6, as will be readily understood.

The offset ends in the rods 10 permit the rods to be brought out beyond the sides of

the spring-frame, as seen clearly in both of the figures of the drawings, where the cranks can be easily actuated.

Modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What is claimed as new is—

1. A stretching device for the purpose described, comprising a two-part clamp to clamp the spring, clamps to engage the ends of the spring-frame, and offset rods and means for drawing the said clamps toward each other to stretch the spring.

2. A stretching device for the purpose described, comprising a two-part clamp for engaging a spring, clamps for engaging the ends of the spring-frame, offset rods engaging the spring-clamp, and carrying the other clamps, and cranks on the said rods for stretching the spring.

3. A stretching device for the purpose described, comprising a two-part clamp with openings for adjustable connection of the offset rods, clamps to engage the ends of the spring-frame, offset rods adjustably connected with the two-part clamp and carrying the other clamps, and means for drawing the said clamps together to stretch the spring.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

RICHARD P. RASCHICK.

Witnesses:

HERMAN KEHUEL,

FRANK KOVNICH.