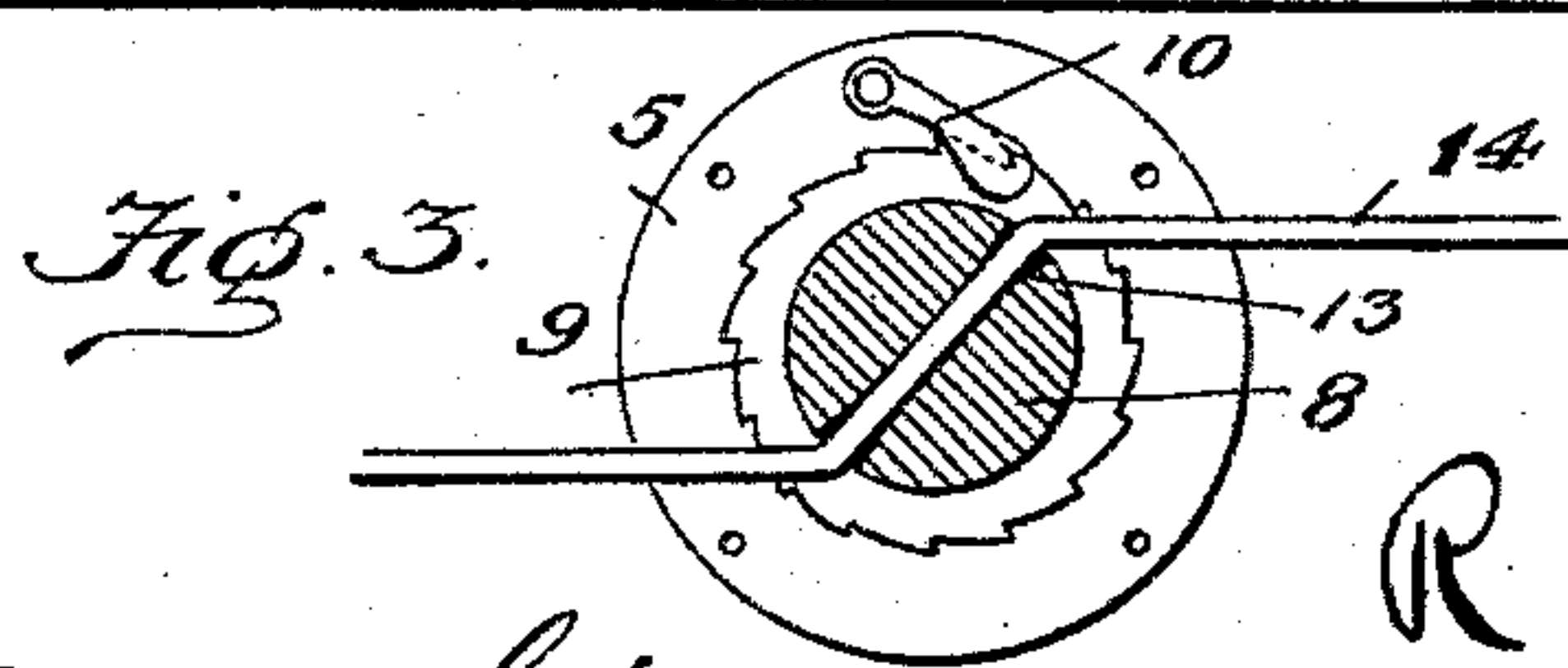
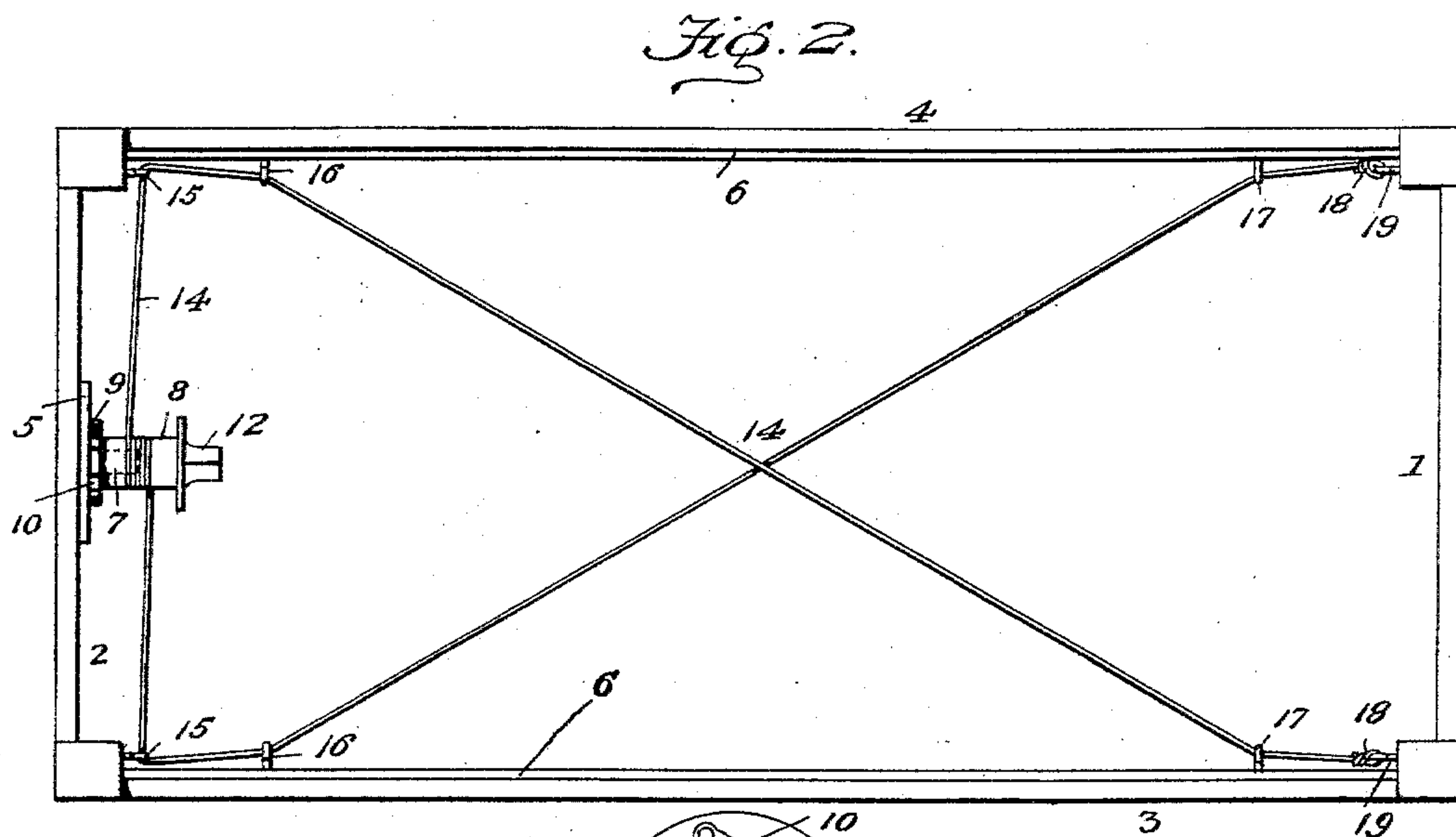
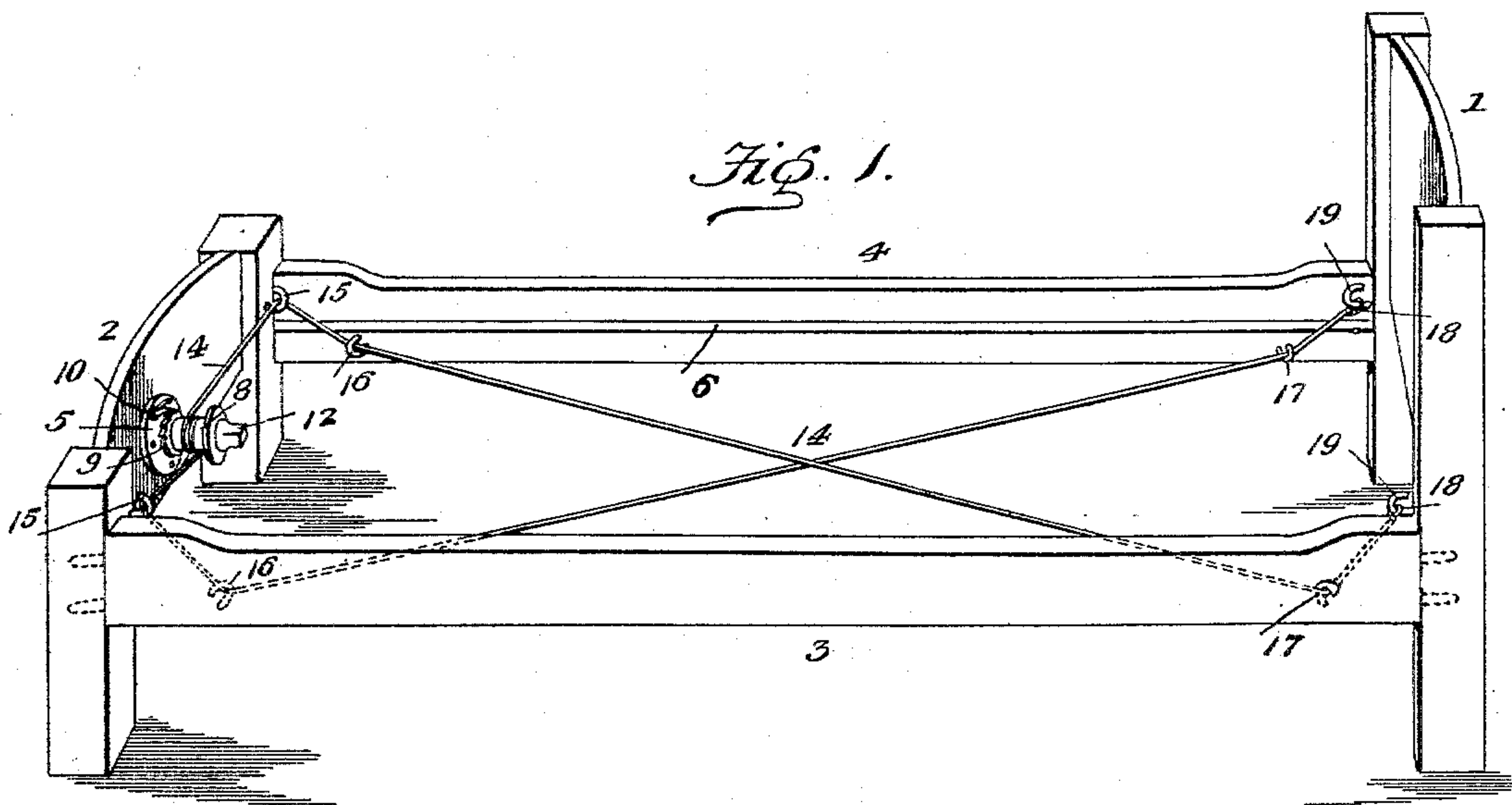


(No Model.)

R. K. DENT, Jr.
BED BRACE.

No. 596,858.

Patented Jan. 4, 1898.



Witnesses

Wm. O. Archibald
J. A. Wilson.

R. K. Dent, Jr. Inventor
By H. B. Willson. Attorney

UNITED STATES PATENT OFFICE.

ROBERT K. DENT, JR., OF GARLANDVILLE, MISSISSIPPI.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 596,858, dated January 4, 1898.

Application filed February 3, 1897. Serial No. 621,811. (No model.)

To all whom it may concern:

Be it known that I, ROBERT K. DENT, Jr., a citizen of the United States, residing at Garlandville, in the county of Jasper and State of Mississippi, have invented certain new and useful Improvements in Bed-Braces; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in bedstead-braces; and the object is to provide a simple and effective device for this purpose.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference-numerals indicate the same parts of the invention.

Figure 1 is a perspective view of a bed-frame secured together by my improved brace. Fig. 2 is a top plan view of the same, and Fig. 3 is a detail section of the windlass.

1 represents the head and 2 the foot board, which are connected by the side rails 3 4, the ends of which receive the usual dowel-pins. (Shown in dotted lines in Fig. 1.)

5 represents a plate secured by screws to the inside of the footboard below the level of the slat-rails 6 6, and said plate is formed with an integral stud 7, (shown in dotted lines in Fig. 2,) on which is mounted a windlass-drum 8, provided with a ratchet-wheel 9, which engages a pawl 10, pivoted on the plate 5. This pawl is provided with a depending flange on its outer end, which extends down over the face of the ratchet-wheel and serves to prevent the integral wheel and drum from becoming accidentally detached from the stud on which they are mounted.

12 represents a square shank on the outer end of the drum, to which a wrench is applied to tighten or loosen the drum, as occasion requires.

13 represents a transverse orifice through the drum, through which is passed the cord or flexible wire cable 14, the ends of which are led on opposite sides through the eye-

bolts 15 15 in the foot-posts, thence through the eyebolts 16 16 in the side rails, thence crossed over to opposite sides through the eyebolts 17 17, and their looped ends 18 18, secured to the hooks 19 19 on the contiguous posts of the headboard 1.

When the cord or cable is drawn taut by the windlass-drum, the frame of the bed is securely fastened together, and at the same time can be readily taken apart for cleaning or moving and set up again without the aid of skilled labor or any special tools, and although I have specifically described the construction and relative arrangement of the several elements of invention I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A bedstead of the class described, comprising the headboard 1, provided with the hooks 19 19, the footboard 2, provided with the eyebolts 15 15, and the side rails 3 and 4, provided with the eyebolts 16 and 17 in combination with the plate 5, secured to said footboard and provided with an integral horizontal stud 7, the windlass-drum 8 loosely journaled on said stud and provided with a ratchet-wheel 9, square shank 12, and transverse orifice 13, the pawl 10 provided with a depending flange on its outer end adapted to project over the outer face of the ratchet-wheel, and pivoted to said plate 5, and engaging said ratchet-wheel 9, and the single flexible wire cable 14, having its ends secured to the side rails near the head of the bed, the two strands crossing each other in the center of the bed, and the central portion extending loosely in opposite directions through the drum and engaging the screw-eyes 15, 16, and 17, and the hooks 19, substantially as shown.

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

ROBERT K. DENT, JR.

Witnesses:

J. R. BYRD,

I. B. ALEXANDER.