

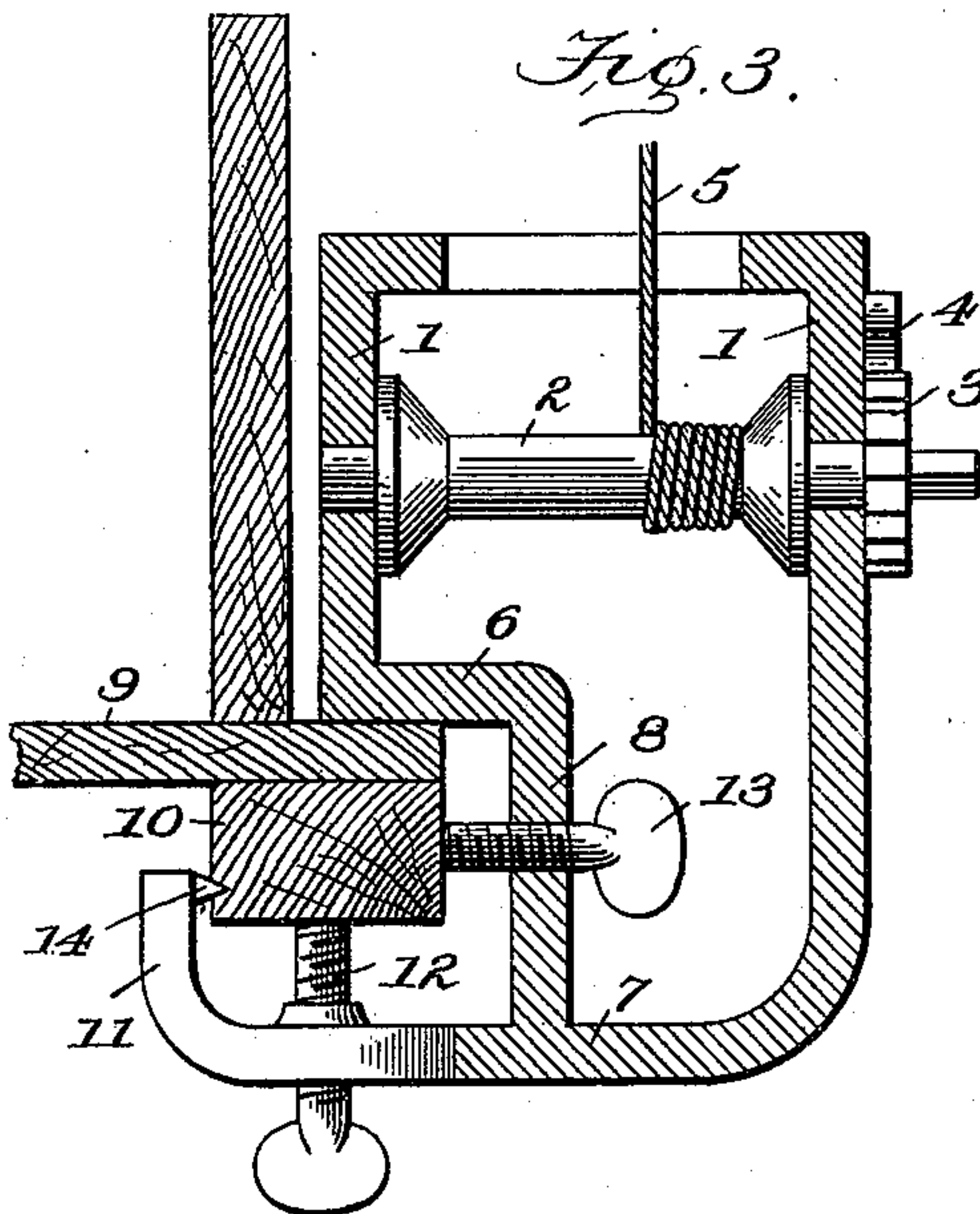
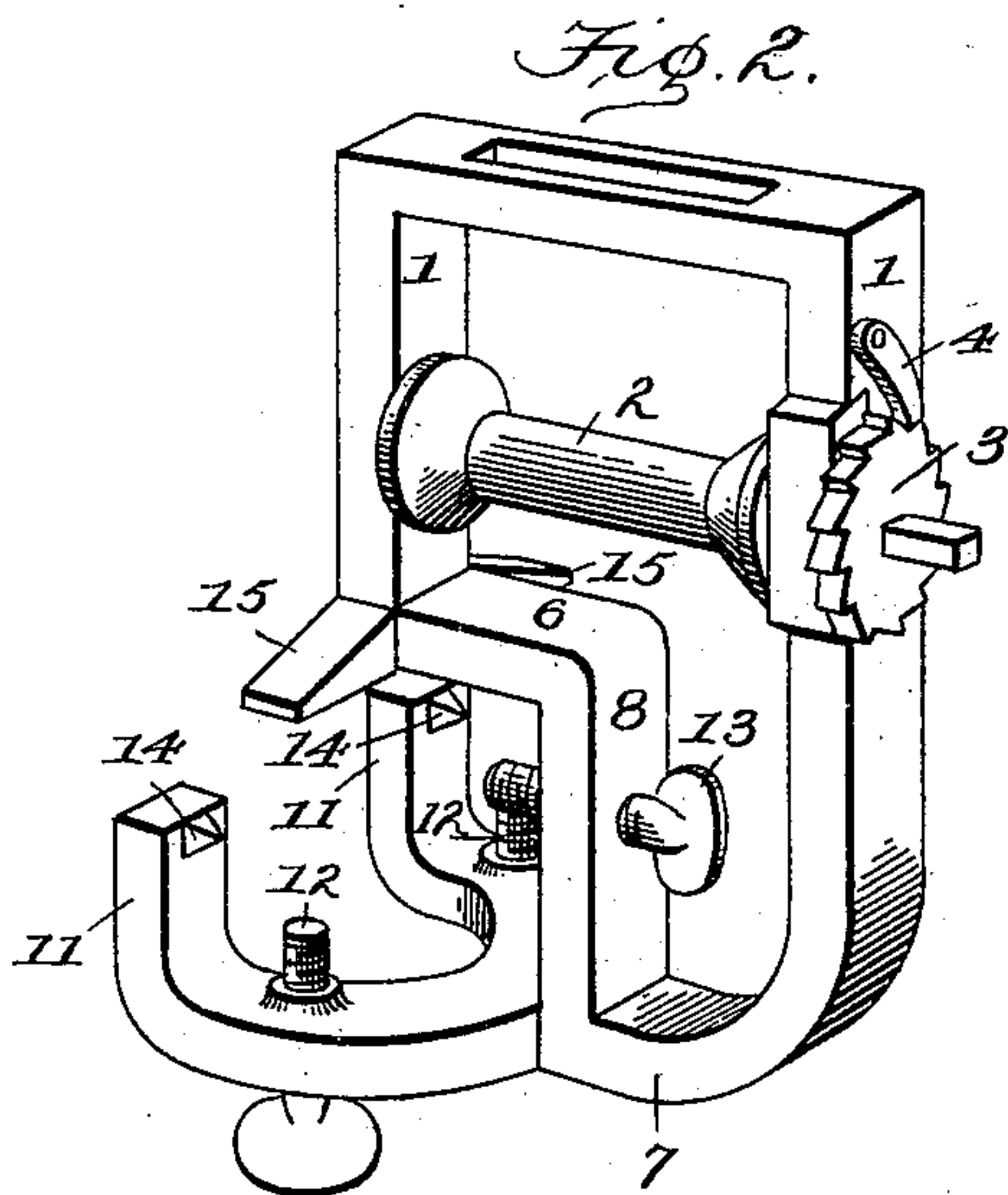
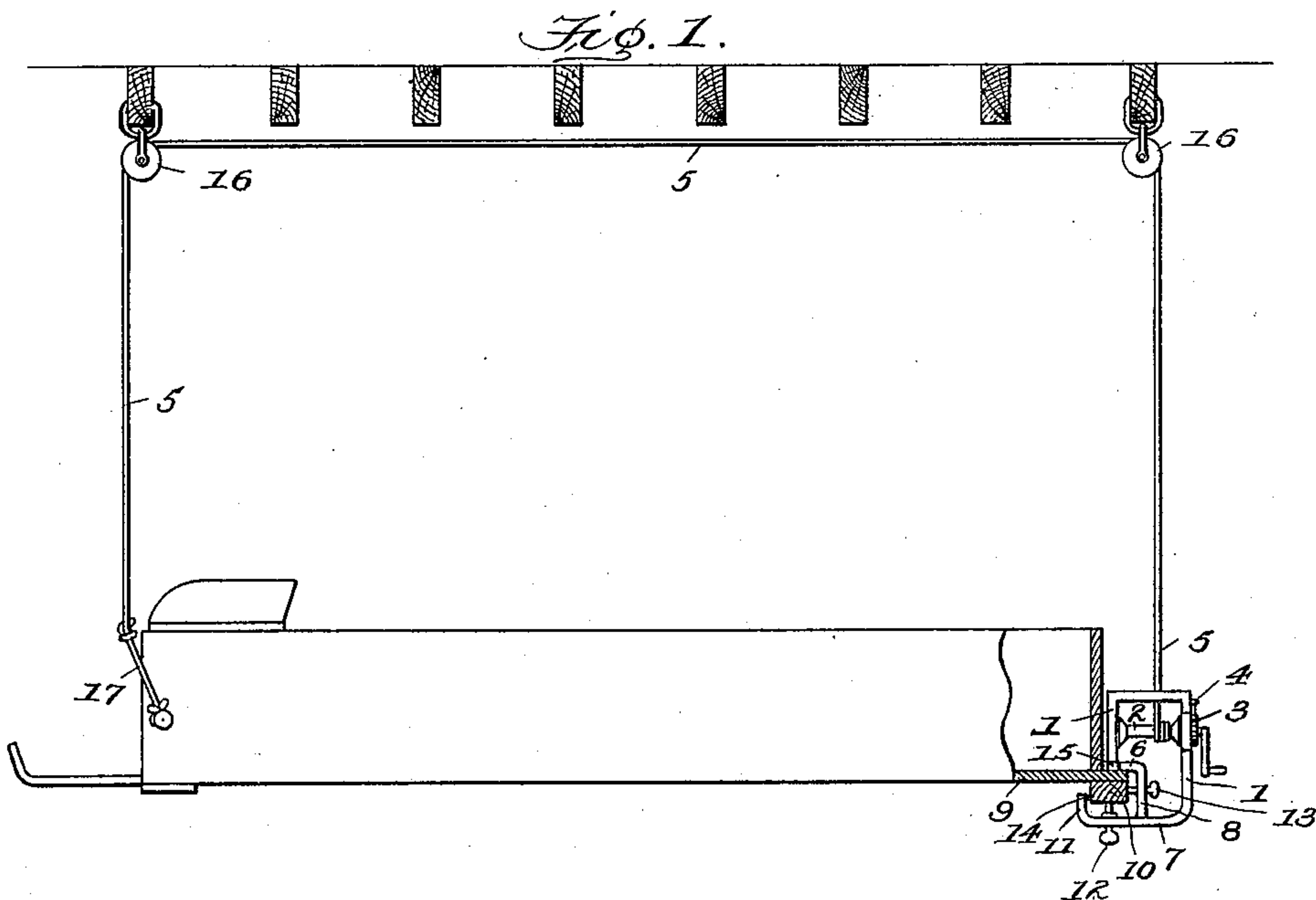
(No Model.)

A. W. JACKSON.

WINDLASS CLAMP DEVICE FOR RAISING WAGON BEDS.

No. 598,886.

Patented Feb. 8, 1898.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ANTHONY W. JACKSON, OF PARIS, TENNESSEE, ASSIGNOR OF ONE-HALF  
TO JAMES F. ROBERTS, OF SAME PLACE.

## WINDLASS-CLAMP DEVICE FOR RAISING WAGON-BEDS.

SPECIFICATION forming part of Letters Patent No. 598,886, dated February 8, 1898.

Application filed October 14, 1897. Serial No. 655,141. (No model.)

*To all whom it may concern:*

Be it known that I, ANTHONY W. JACKSON, a citizen of the United States, residing at Paris, in the county of Henry and State of Tennessee, have invented a new and useful Improvement in Windlass-Clamp Devices for Raising Wagon-Bodies, of which the following is a specification.

For raising wagon beds or bodies from and lowering them upon the running-gear of wagons I have produced an improved clamp device for the windlass-rope wherein provision is made for rendering more secure the attachment of the windlass device to the end of the wagon-body, as I will now describe in connection with the accompanying drawings, in which—

Figure 1 shows in side view a wagon-body suspended by my improved windlass attachment. Fig. 2 shows the windlass device in perspective. Fig. 3 shows in enlarged sectional view the windlass device as applied to the wagon-body.

The frame of the windlass device is formed of a single casting of connected bars 1 1, between which the windlass-drum 2 is mounted horizontally and is provided at its outer end with a ratchet-wheel 3, which is engaged by a pawl 4, pivoted on the outer bar, to hold the windlass when rope 5 is wound thereon in raising the wagon-body. Below the windlass the inner bar is turned inward toward the outer bar as a horizontal jaw-forming arm 6, which joins the bottom bar 7 by a vertical part 8, standing about medially of the width of the frame and forming at the lower inner side of the casting a rectangular recess, whereby the casting is fitted over and upon the wagon-bottom boards 9 and under cross-bar 10. To the transverse bar 10 and to the projecting part of the bottom of the body the windlass device is adapted to be secured, so that the horizontal jaw-forming arm 6 will rest upon the projecting ends of the bottom boards. The lower connecting frame part 7 extends under the body and is bifurcated to form two upward-standing arms 11 11, adapted when the device is applied to pass behind the cross-bar 10 in position to engage it. Each arm of the forked part has a vertical screw 12 for engaging the under side of the bottom cross-bar to clamp the device vertically upon the body, while the vertical recess-forming part 8 has a horizontal screw 13 for engaging

the outer side of the bottom cross-bar to clamp the device horizontally thereto by drawing the upper ends of the forked arms against the inner side of said cross-bar. This horizontal clamp is important to prevent the device from being twisted from the hold given by the vertical clamp-screws, because the weight of the wagon constantly tends to wrench the device off. To render the engagement of the forked arms more effective, they are provided with spurs 14, which under the clamping action of the screws 13 are caused to bite into the cross-bar. The jaw-forming arm 6 has laterally-extending arms 15, which, with the jaw, form a transverse bearing upon the projecting end boards of the body, and these arms 15 correspond in position and cooperate with the forked arms 1 1 and their clamping-screws 12 to prevent the tilting of the body in being raised and to hold it firm and secure. The upper bar of the casting has a slot through which the rope passes from the windlass and causes the rope to be wound evenly thereon. From the windlass the rope passes over the pulleys 16, which may be hung to the ceiling of the shop or from a suitable beam, and the other end of the rope is connected by suitable bail or suspending device 17 to the other end of the wagon-body, so that by turning the windlass the body is raised and lowered as required.

It will be understood that the forked arms and the recess-forming clamp are arranged and proportioned to permit the said arms to be placed behind the bottom cross-bar as the device is seated on the projecting end of the body.

I claim—

A windlass-clamp device, the frame of which is formed with the upper jaw-arms 15, and the lower forked arms, the latter provided with vertical clamping-screws corresponding in position to the upper lateral jaw-arms, the said forked arms extending upward and provided with spurs, and the clamping-screws 13 in the vertical part 8 of the horizontal jaw as shown and described.

In testimony whereof I have hereunto signed this specification in the presence of witnesses.

ANTHONY W. JACKSON.

Witnesses:

I. W. MORGAN,  
J. F. ADEN.