

No. 671,225.

Patented Apr. 2, 1901.

J. W. S. NYCUM.

CLOTHES LINE PROTECTOR AND STRETCHER.

(Application filed Aug. 1, 1900.)

(No Model.)

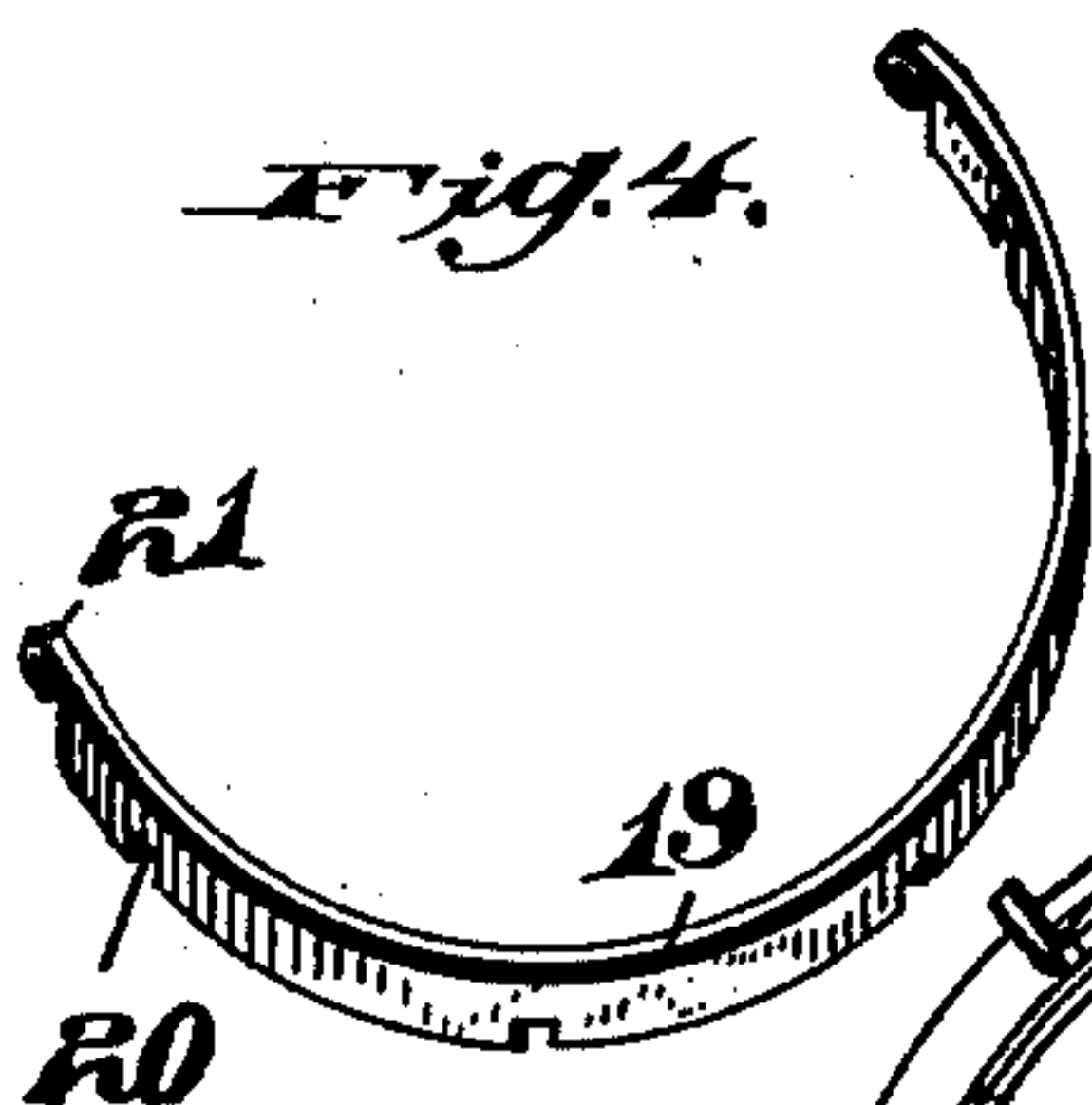
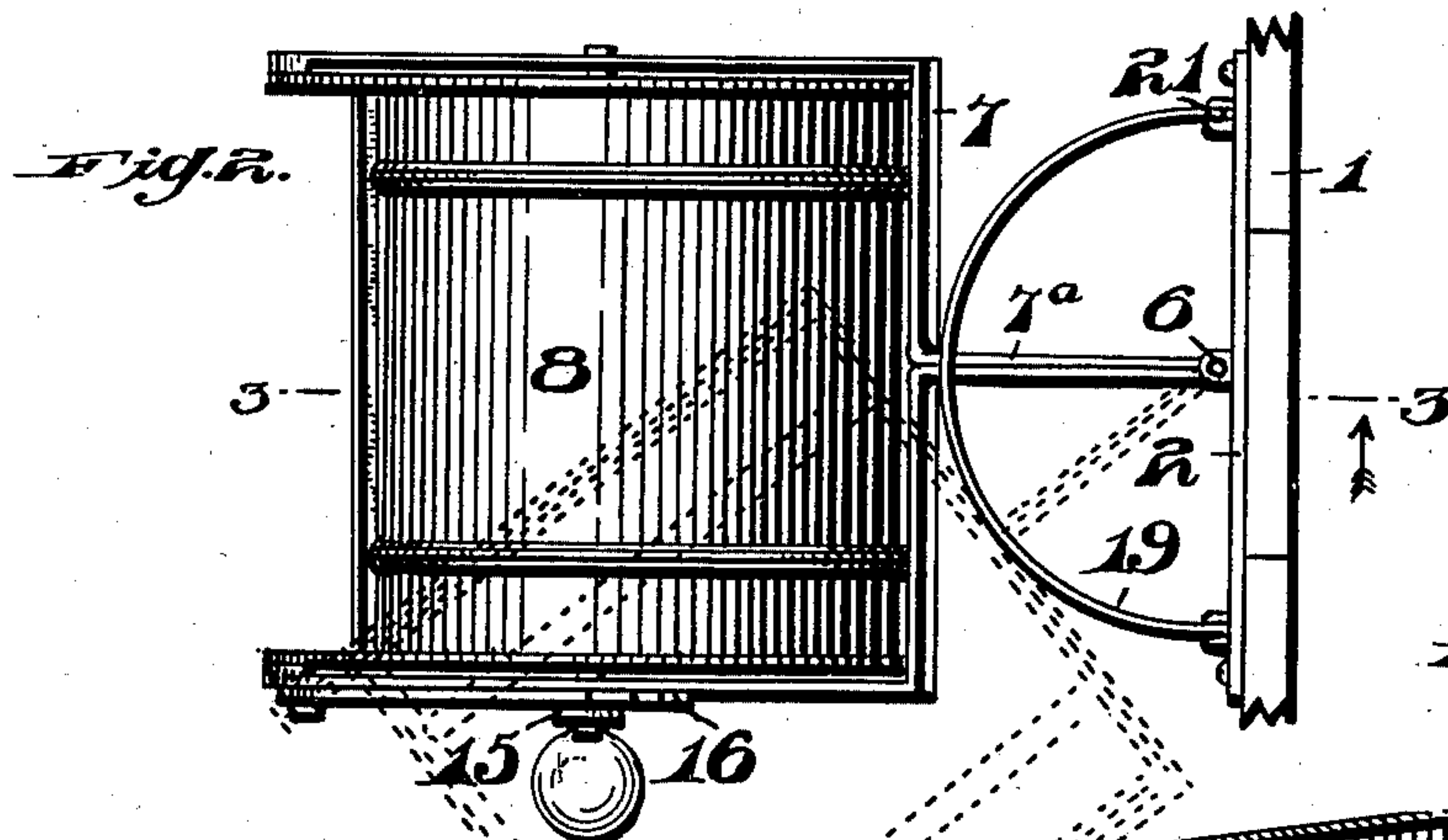
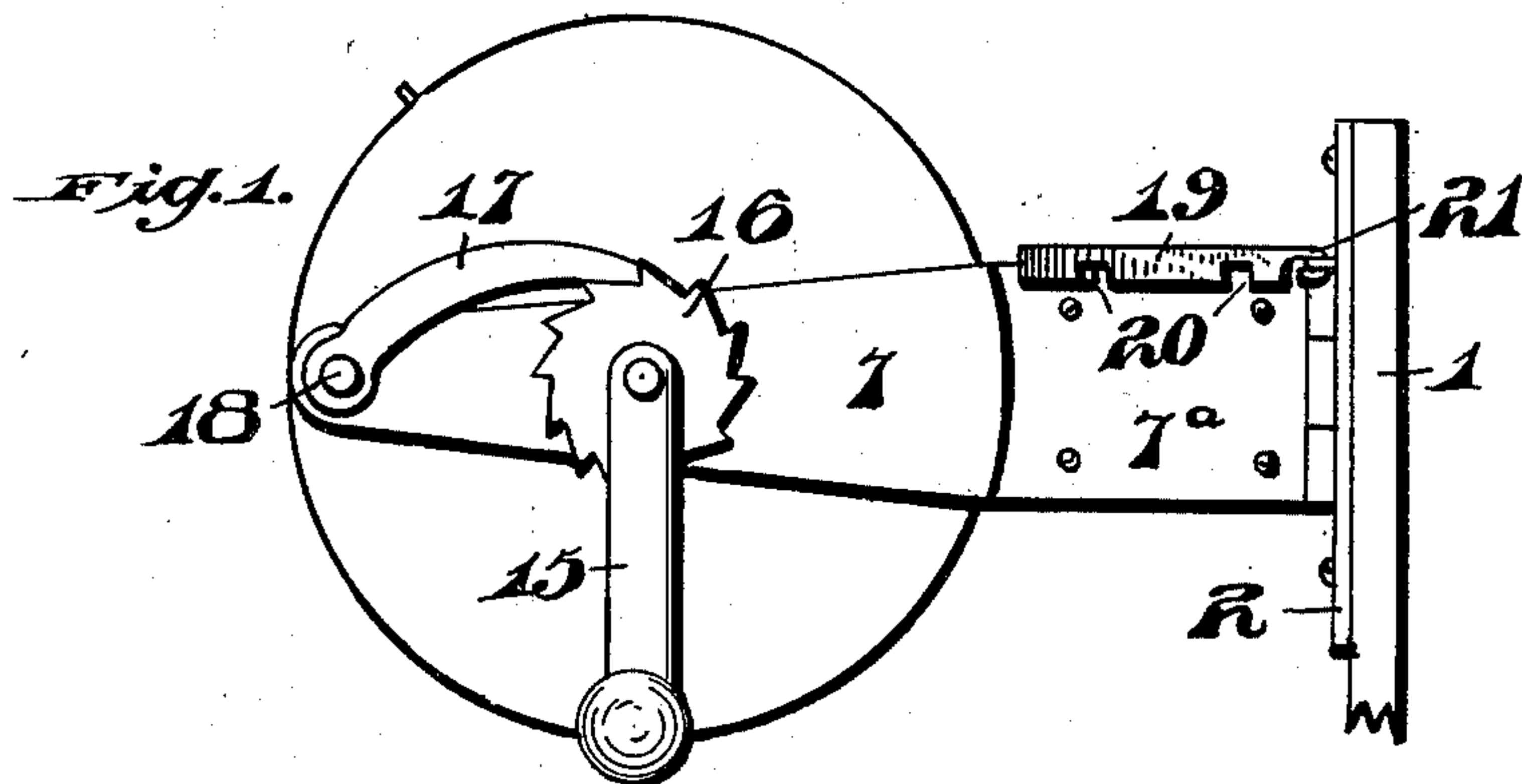


Fig. 3.

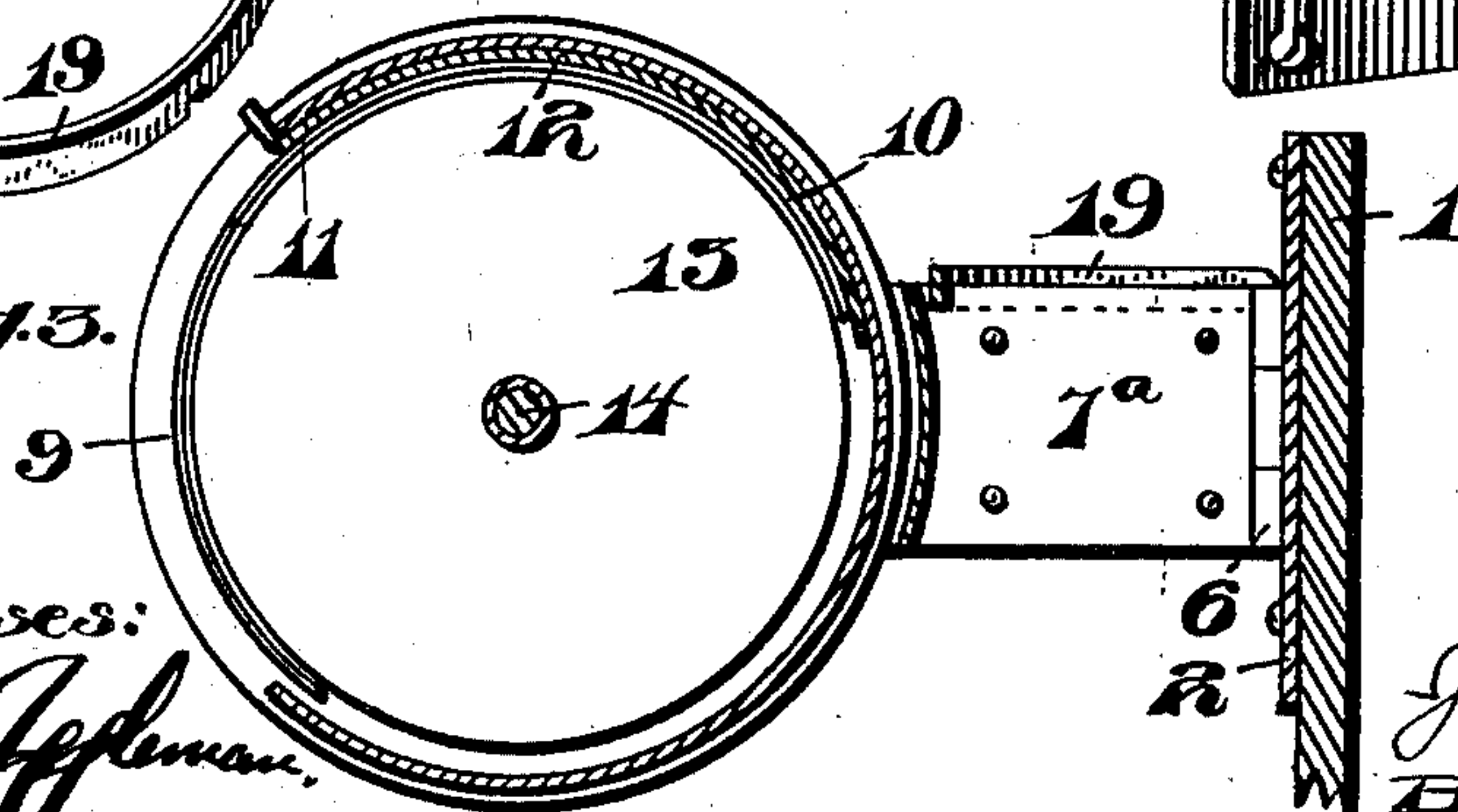
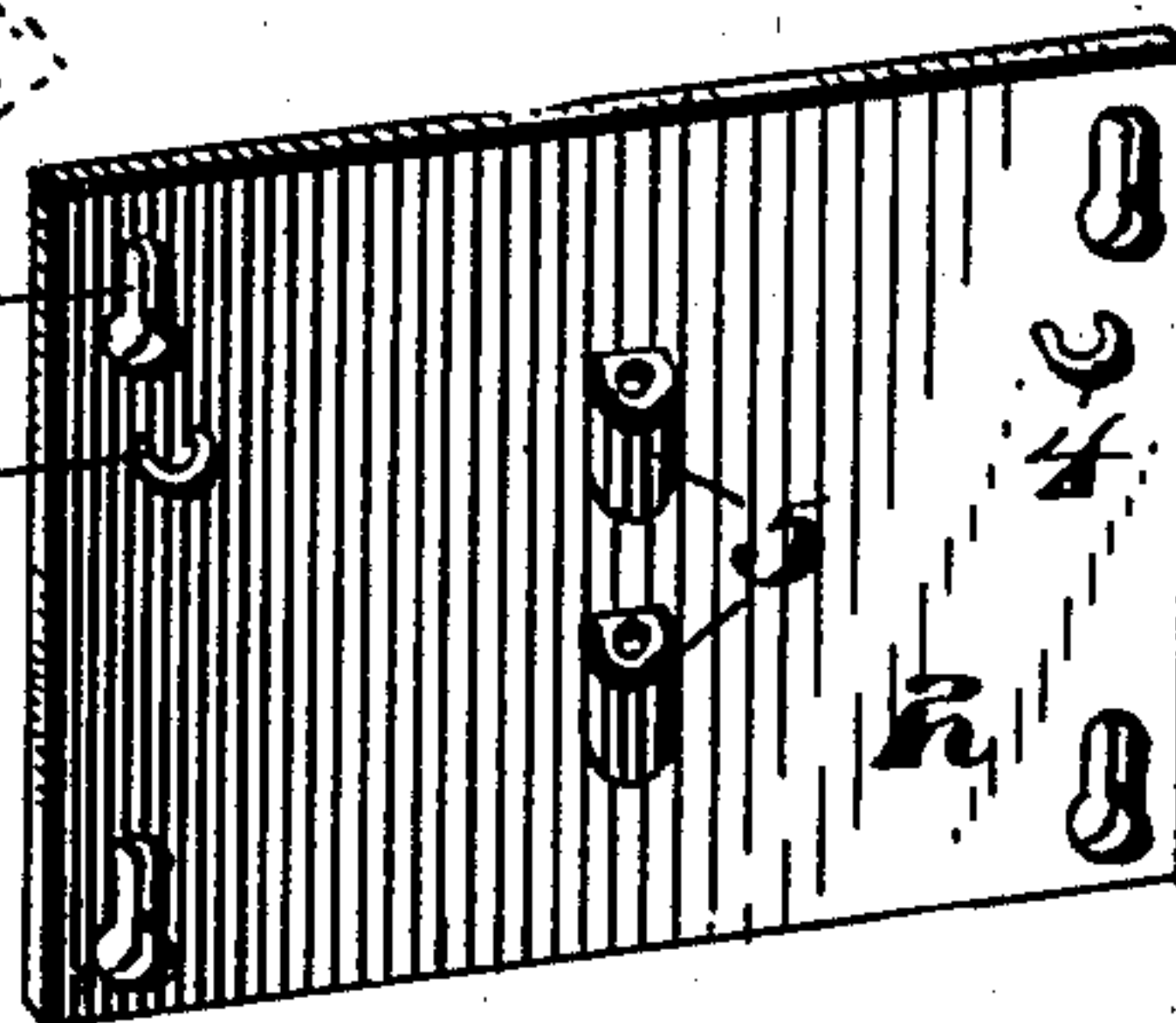


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSEPH W. S. NYCUM, OF PITTSBURG, PENNSYLVANIA.

CLOTHES-LINE PROTECTOR AND STRETCHER.

SPECIFICATION forming part of Letters Patent No. 671,225, dated April 2, 1901.

Application filed August 1, 1900. Serial No. 25,523. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH W. S. NYCUM, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Clothes-Line Protectors and Stretchers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in clothes-line holders, and more particularly to clothes-line reels.

The object of the herein-described invention is to construct a reel that may be easily manipulated and adjusted to various degrees or angles.

The invention further aims to construct an apparatus of the above-described class that will be extremely simple in construction, strong, durable, efficient in its use, and comparatively inexpensive to manufacture.

With the above and other objects in view the invention consists in the novel combination and arrangement of parts, to be hereinafter more fully described, and specifically pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a side view of my improved clothes-line reel, showing the same attached to a suitable support. Fig. 2 is a top plan view of the same, showing in dotted lines the movement of the reel. Fig. 3 is a vertical sectional view taken on the line 3 3 of Fig. 2. Fig. 4 is a perspective view of the locking-yoke. Fig. 5 is a perspective view of the supporting-plate.

Referring to the drawings by reference-numerals, 1 indicates a suitable support, to which is secured a supporting-plate 2, this plate having arranged therein openings 3 for the reception of suitable fastening means. The said plate is further provided with staples 4, and apertured lugs 5 are centrally arranged upon the plate 2, which serve to form a hinged connection 6 with the fork-shaped hanger 7, carrying a cylindrical casing 8.

The forward end of the said casing is provided with an opening 9, and the inner sides of the casing are provided with a segmental guide 10, which forms a guideway 11 for the slidable cover 12, the latter being adapted to close the opening 9. A drum 13 of the usual construction is rotatably mounted in the cylindrical casing 8, the shaft 14 of said drum being provided with a crank-arm 15. Secured to said shaft outside of the casing is a ratchet-wheel 16, said ratchet-wheel being engaged by a gravity-pawl 17, the latter being pivoted, as at 18.

The reference-numeral 19 indicates a locking-yoke provided in its under edge with notches 20, which are adapted to engage the rearwardly-extending portion 7^a of the fork-shaped hanger. This locking-yoke is also provided with hooked ends 21, the latter being adapted to engage in the staples 4 of the supporting-plate and forming a hinged connection therewith.

The operation of my improved device is as follows: Assuming that the parts are in proper position, as shown in the drawings, the crank-arm is manipulated, thereby rotating the drum and permitting the winding up of the line. Simultaneous with this operation the ratchet and pawl will serve to lock the drum and prevent the line from unwinding.

When it is desired to adjust the device to a different angle or position, the locking-yoke is raised, disengaging the rearwardly-extending portion 7^a of the fork-shaped hanger 7 and allowing the device to assume any desired position, when the locking-yoke may be again lowered to engage the rearwardly-extending portion 7^a of the hanger.

The many advantages that are obtained by the use of my improved clothes-line reel will be readily apparent, and a further description of the same is thought unnecessary, and it will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. In a device of the character described, a suitable supporting-plate, staples upon said

supporting - plate, apertured lugs arranged upon said supporting - plate, a fork - shaped hanger having a rearwardly-extending portion swingingly mounted in said apertured
5 lugs, and a locking-yoke having notches in its under face adapted to engage said rearwardly-extending portion, said locking-yoke being hinged to said staples, substantially as described.

10 2. In a device of the character described, the combination of a suitable support, a fork-shaped hanger hinged to said support, a locking-yoke hinged to the said support and adapted to engage said fork-shaped hanger, a

drum rotatably mounted in said fork-shaped
15 hanger, a ratchet mounted on the shaft of the drum, a pivotally-mounted pawl for engagement with said ratchet, and a crank - arm adapted to operate said drum and ratchet, all parts being arranged and operated substan-
20 tially as herein shown and described.

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

JOSEPH W. S. NYCUM.

Witnesses:

JOHN NOLAND,
H. C. EVERT.