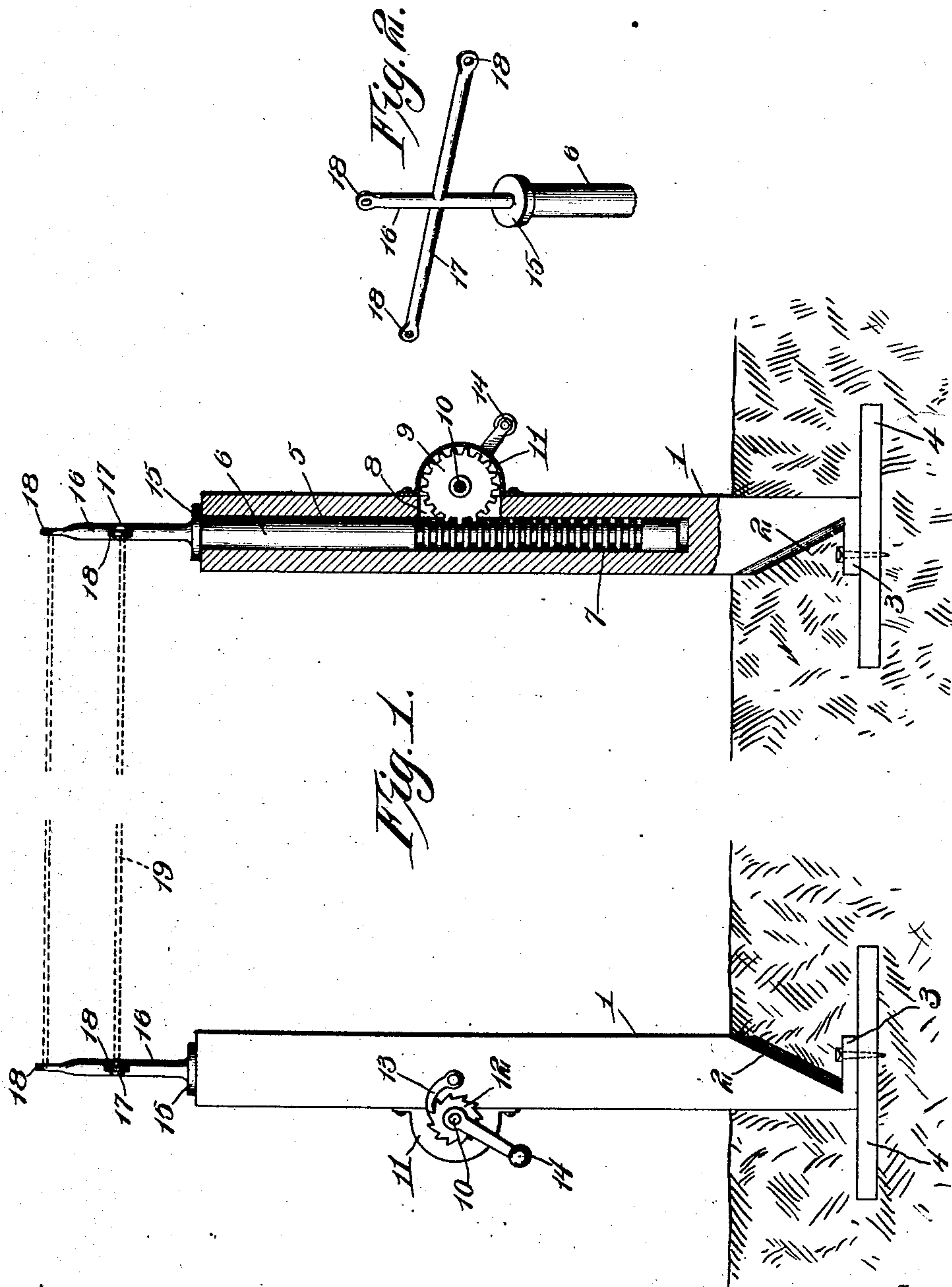


J. A. WALDEN.
ADJUSTABLE SUPPORT.
APPLICATION FILED JULY 14, 1905.

919,405.

Patented Apr. 27, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES A. WALDEN, OF DOVER, OKLAHOMA.

ADJUSTABLE SUPPORT.

No. 919,408.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES A. WALDEN, a citizen of the United States, residing at Dover, in the county of Kingfisher and State of Oklahoma, have invented certain new and useful Improvements in Adjustable Supports; and I do hereby 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 relates to posts for clotheslines, and its object is to provide a device of this character which is adjustable so as to permit the lines to be raised to any desired height.

A still further object is to provide a post adapted to hold a plurality of lines, all of which are moved simultaneously by the adjustment of the posts.

A still further object is to provide a post having a portion rotatably mounted so as to permit the lines to be easily tightened when being placed in position.

With the above and other objects in view, the invention consists of a post consisting of two parts, to-wit: a hollow body portion and a vertically movable and rotatable portion which is mounted within the body. This rotatable portion has a series of parallel grooves formed therein and adapted to receive the teeth of a gear which is mounted on the body of the post. By rotating the gear, the grooved portion of the post will be moved longitudinally, but can be rotated at any time during such movement. The movable portion of the post has oppositely extending arms, and clotheslines are adapted to be secured to these arms as well as to the extreme end of the post.

The invention also consists of certain other novel constructions and combinations of parts, which will be hereinafter more fully described and pointed out in the claim.

In the accompanying drawings I have shown the preferred form of my invention.

In said drawings Figure 1 is a view of the posts of a clothesline apparatus, said posts being constructed in accordance with my invention, one of them being shown in elevation and the other in section, the relative arrangement of the lines being indicated by dotted lines; and Fig. 2 is a perspective view of the upper end of the adjustable member of the post.

Referring to the figures by numerals of

reference, 1 is the body of a post, the same being preferably formed of wood, and having its lower end provided with an angular recess 2 whereby a laterally extending foot 3 is produced. This foot is secured in any desired manner to a base 4 which extends beyond the surfaces of the post. This base, as well as the recessed portion of the post body, is adapted to be placed within the ground, and after the ground has been tamped therearound the accidental withdrawal of the post body is practically prevented. This body portion 1 of the post has a longitudinally extending recess 5 extending thereinto from its upper end, and slidably mounted within the recess is a rod 6, preferably cylindrical in form, and having parallel ribs 7 thereon which are formed by producing annular grooves within the rod. A slot 8 is formed within the body 1 and communicates with recess 5, and projecting through this slot and into engagement with the ribs 7 is a gear 9 mounted on a shaft 10 which is journaled on the body of the post. A housing 11 incloses the gear, and a ratchet wheel 12 is secured to the shaft 10 and is normally engaged by the pawl 13. A crank 14 is secured to the shaft 10 whereby the same may be readily rotated manually.

The upper end of rod 6 has a head 15 from which extends a stem 16. Arms 17 project in opposite directions from the stem and are formed integral therewith. The free ends of the stem and arms are preferably apertured, as shown at 18, and are adapted to receive the ends of clotheslines 19 which have been shown by dotted lines in Fig. 1.

When it is desired to secure lines to the posts herein described, a line is first fastened within the aperture 18 of stems 16. Another line is then fastened to one set of arms 17, and a third line is subsequently fastened to the second set of arms. By pulling upon this third line for the purpose of tightening it, the rod 6 will be partly rotated so that the line secured to the other arms 17 will be similarly tensioned. After the lines have been fastened in this manner, the gears 9 are rotated and force rods 6 longitudinally. The lines are therefore raised the desired distance, and the pawls 13 serve to prevent them from re-assuming their original positions. When it is desired to lower the lines, it is merely necessary to throw the pawls 13 out of engagement with the ratchets, where-

upon the rods 6 and the parts connected thereto will fall by gravity into their original positions.

In the foregoing I have shown the preferred form of my invention, but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

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

In a device of the character described, the combination of a post having a longitudinal recess therein and a transverse opening communicating with said recess, a rod extending within the recess of the post and projecting thereabove, said rod having formed therewith a head to contact with the end of the post for limiting the movement of the

rod within the recess in one direction, said rod intermediate its length being provided with concentric grooves, a shaft rotatably carried by the post in advance of the opening thereof and extending thereacross, a gear fixed to the shaft projecting through the opening of the post and meshing with the grooves of the rod, means for rotating the shaft, a closure for the opening of the post serving as a casing for the gear, said shaft being mounted in the walls of the closure and a cross arm carried by the post above the head thereof, the free ends of the cross arm being perforated.

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

JAMES A. WALDEN.

Witnesses:

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