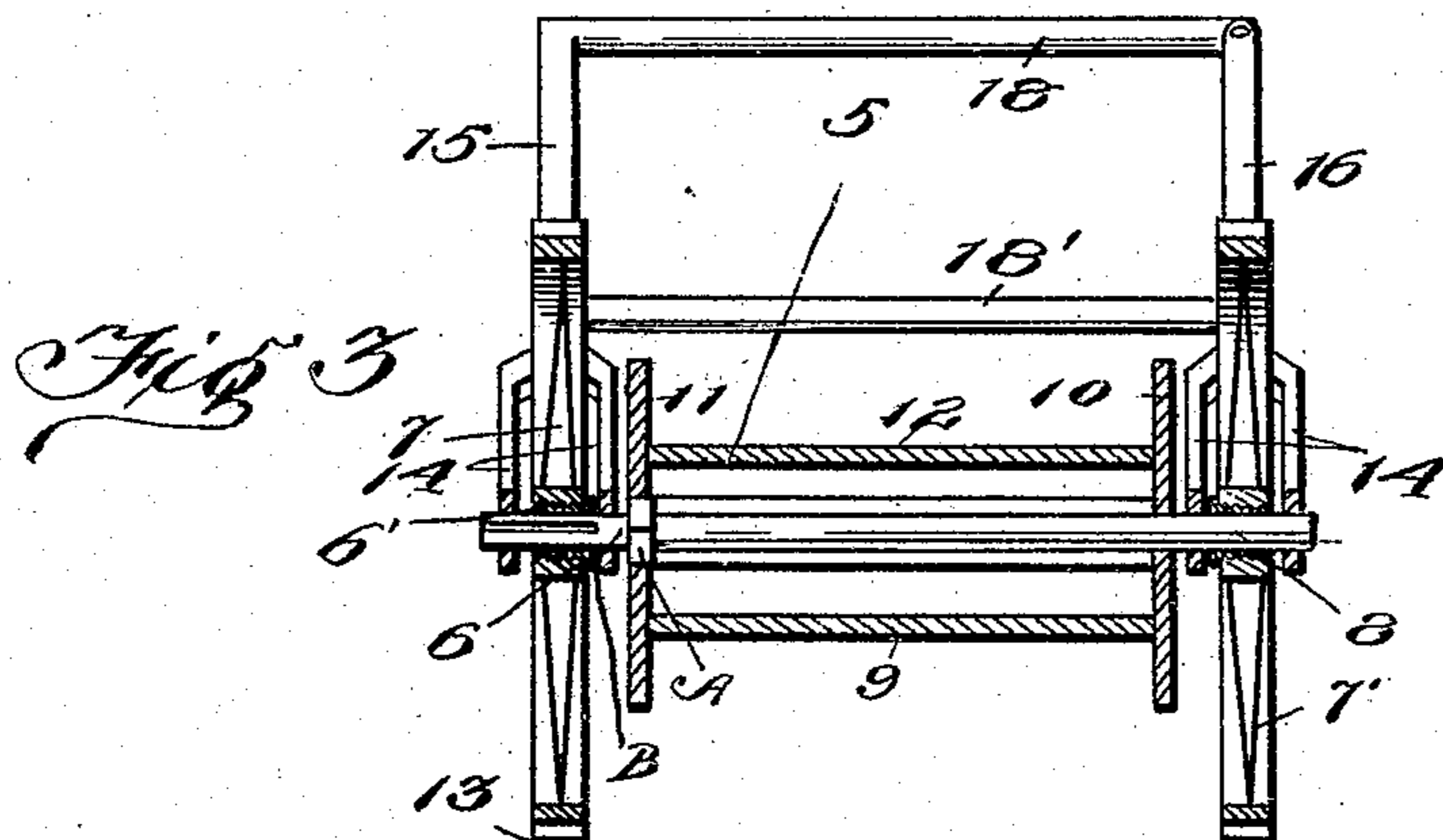
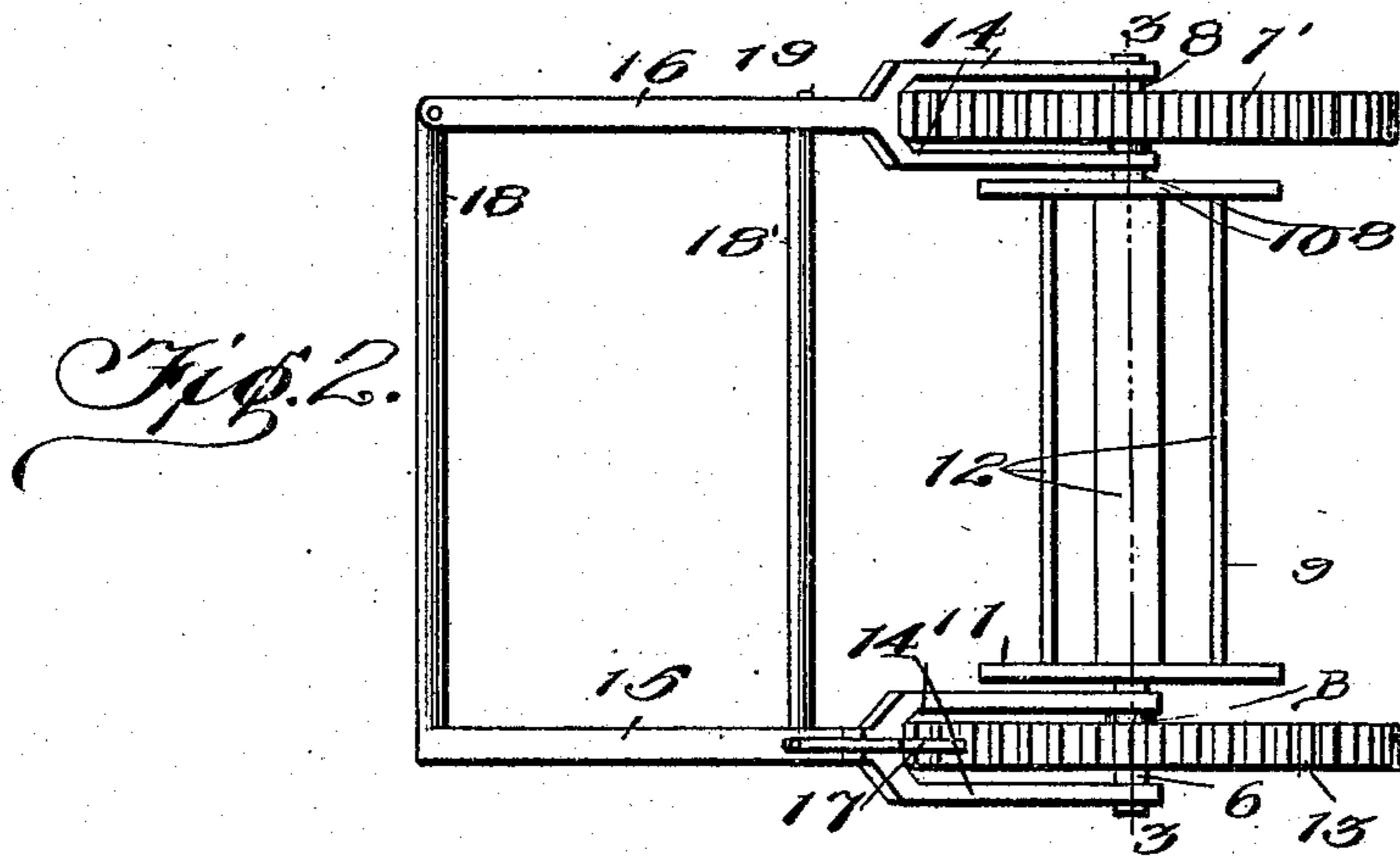
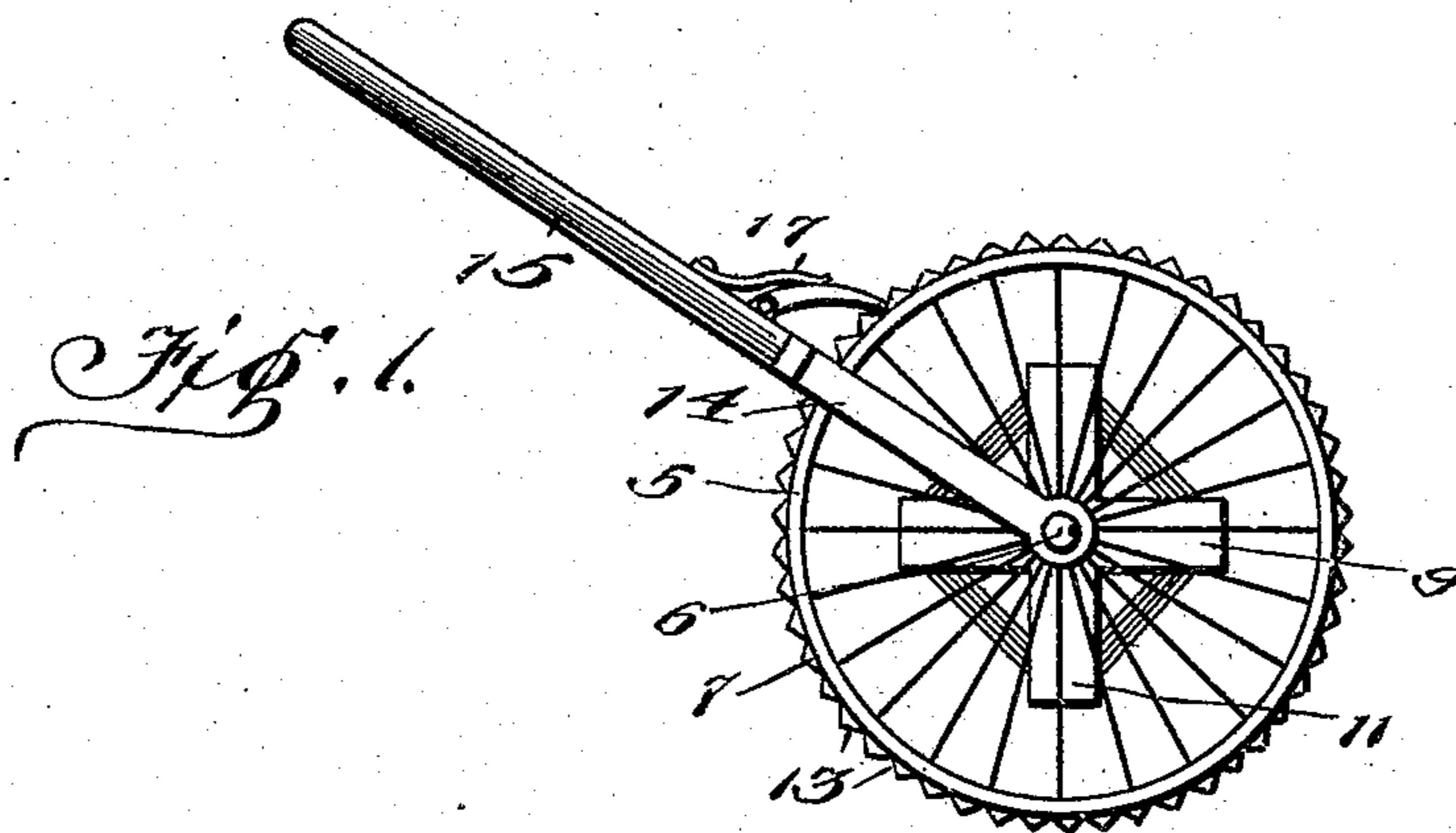


J. BROTT.
WIRE REELING AND UNREELING MACHINE.
APPLICATION FILED FEB. 6, 1908.

907,963.

Patented Dec. 29, 1908.



WITNESSES

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UNITED STATES PATENT OFFICE.

JESSE BROTT, OF FRIENDSHIP, WISCONSIN.

WIRE REELING AND UNREELING MACHINE.

No. 907,963.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed February 6, 1908. Serial No. 414,559.

To all whom it may concern:

Be it known that I, JESSE BROTT, a citizen of the United States, residing at Friendship, in the county of Adams and State of Wisconsin, have invented certain new and useful Improvements in Wire Reeling and Unreeling Machines, of which the following is a specification.

This invention relates to wire reeling and unreeling machines and has for an object to provide a portable reeling and unreeling machine of this character which will enable an unskilled operator to collect or deliver fence wires in a simple and convenient manner.

A further object of this invention is to provide a machine of this character whereby wire may be tightly wound upon the reel during the collection of the same.

A further object of this invention is to construct a simple reeling and unreeling machine which may be manufactured at a relatively low figure and which will be strong and durable in structure.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevational view of the present invention, Fig. 2 is a top plan view, Fig. 3 is a transverse sectional view on the line 3—3 of Fig. 2.

Referring now more particularly to the drawings, there is shown a reeling and unreeling machine 5, comprising an axle 6 having a splined wheel 7 thereon, and engaged by means of a threaded sleeve 6' having a shoulder B thereon with a corresponding short axle section 8 having a wheel 7' revolvably mounted thereon in the usual manner. The axle 6 is squared at its inner end, as shown at A, and is thus arranged to receive thereon a reel 9 comprising spaced heads 10 and 11 respectively provided with transversely extending connecting bars 12. The head 10 is thus disposed over the squared portion 8 of the axle 6 whereby the reel 9 is adapted to rotate with the axle as is obvious. The wheel 7 is provided upon its peripheral edge with teeth or serrations 13 for a purpose to be hereinafter described. The axles 6 and 8 adjacent their outer ends are arranged to

receive the forked arms 14 of handles 15 and 16 respectively, and these forked arms thus straddle the wheels 7 and 7'. The handle 15 is provided with a spring pressed dog 17 engaged with the wheel 7, as shown. The handle 16 is pivoted to a bar 18 and detachably connected to a transversely extending rod 18' inwardly of the bar 18 by means of screws or similar fastening means 19. It will thus be seen that the threaded sleeve 6' may be disengaged from the axle 6 and the handle and wheel 7' then swung outwardly to allow the engagement of a reel of wire on the axle 6. The sleeve may then be again engaged with the axle 6, and is arranged to engage against the reel 9 to force it into engagement with the squared portion 8 of the axle 6, for rotation therewith.

In use, for unreeling wire the dog 17 is disengaged from its engaging wheel, and the machine is drawn by the operator along a line of fence posts, and the wire is thus paid out as is obvious. When wire is reeled the dog 17 is engaged with its engaging wheel, and the machine moved forwardly whereby wire may be wound upon the reel. In order that the wire may be tightly wound upon the reel, the machine may be pulled rearwardly, and by means of the dog 17 engaged with the toothed wheel, it will be apparent that the reel will be held stationary and the convolutions of the wire upon the reel will be tightly drawn thereagainst.

What is claimed is:

1. A wire reeling and unreeling machine comprising an axle, a wheel splined on one end thereof, a second short axle having a wheel revolvably engaged thereon, means for connecting said axles in registering coengagement, handles carried by said axles, said handles being pivotally connected at their outer ends, a dog carried by one of said handles and disposed to engage with the periphery of said first named wheel, said first named wheel having a peripheral series of teeth therearound, adapted for engagement with a road surface and with said dog, and a reel adapted for detachable locking engagement with said first named axle.

2. A wire reel comprising pivoted and forked handles, a long shaft revolvably engaged with one of said handles, and having an end portion projecting inwardly thereof to lie adjacent to the opposite handle, a wheel splined on said axle between the forked portions of the handle, a shorter axle

carried revolubly by the opposite handle,
and having an end portion projecting in-
wardly thereof to lie adjacent to the inner
end of the first named axle, the projecting
5 portion having threads thereon and carrying
a threaded sleeve adapted for engagement
with the first named axle, a wheel revolubly
engaged upon said axle between the forked
portion of said handle, a pawl carried by said
10 first named handle, and arranged to bear at
times against the periphery of the adjacent
wheel, said wheel having peripheral teeth
adapted for engagement at times with a road

surface for rotation of said first named axle,
and for engagement at times with said pawl 15
to resist rotation of the wheel, and a reel de-
tachably and slidably engaged upon said
first named axle and held in operative en-
gagement by engagement of said sleeve upon
said first named axle. 20

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

JESSE BROTT.

Witnesses:

W. A. ROBLIER,
W. E. POTTER.