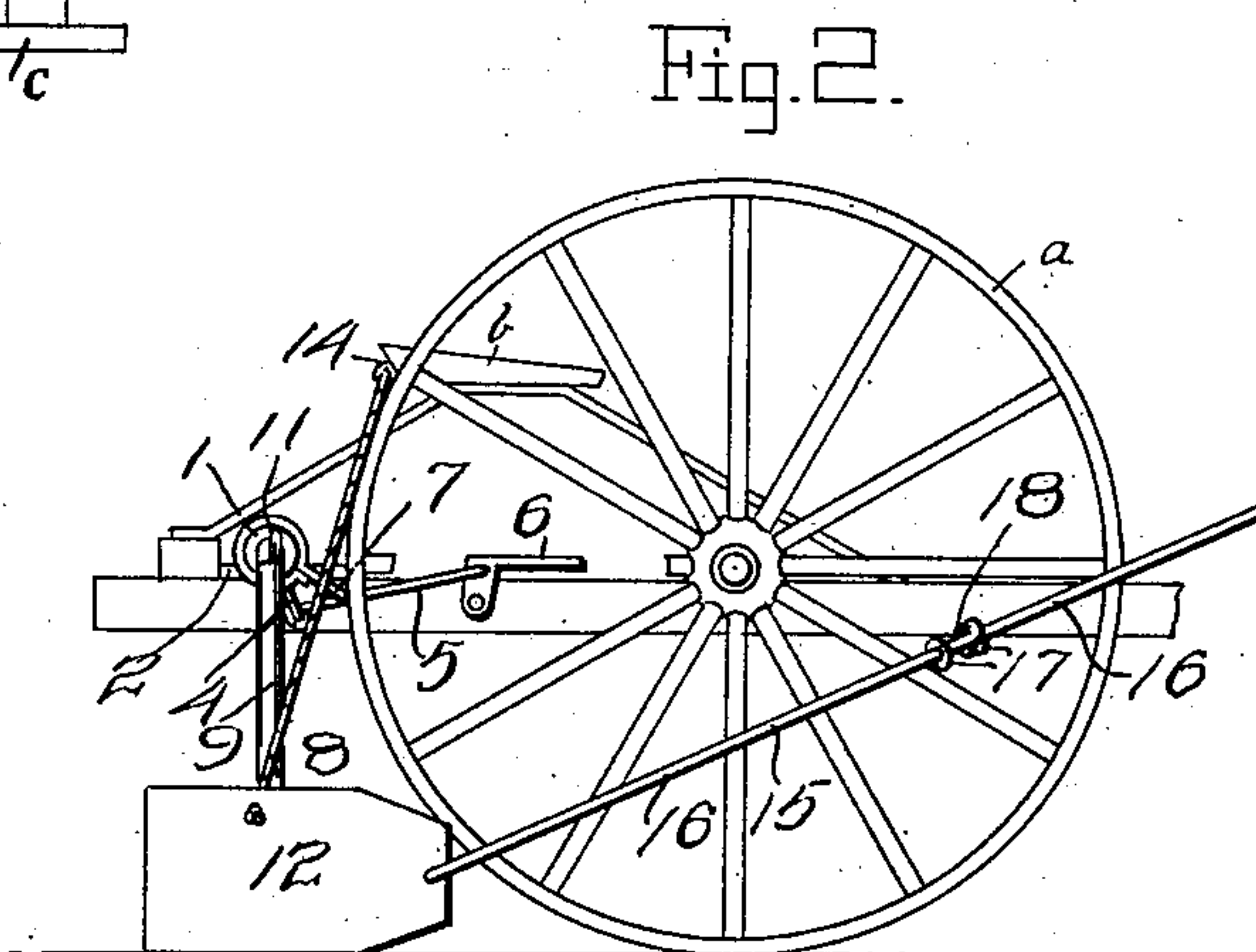
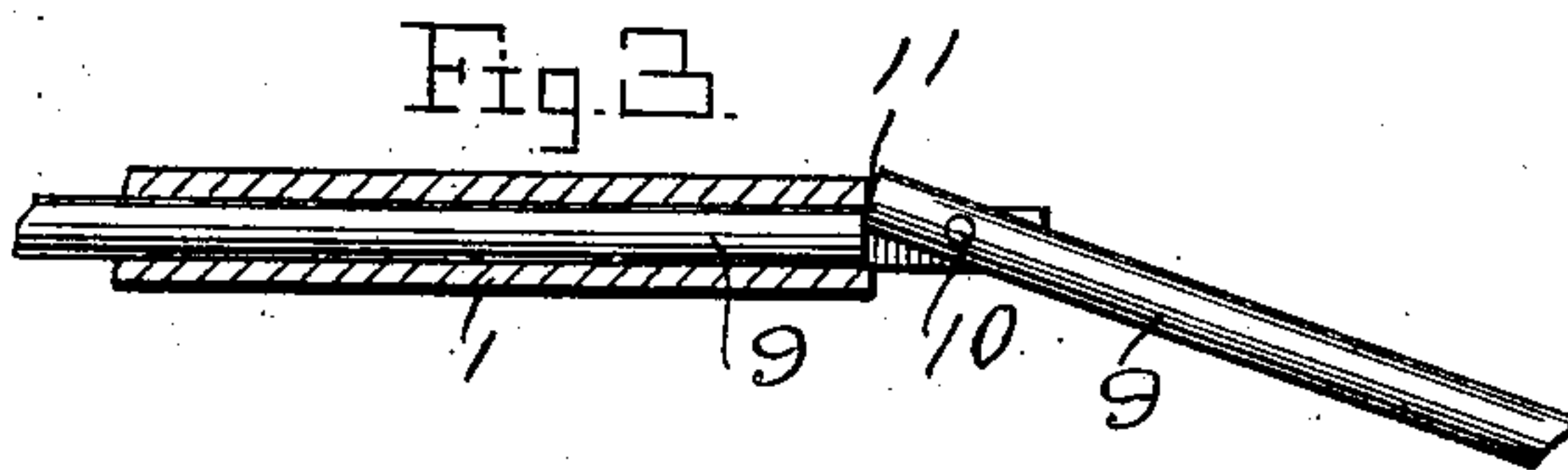
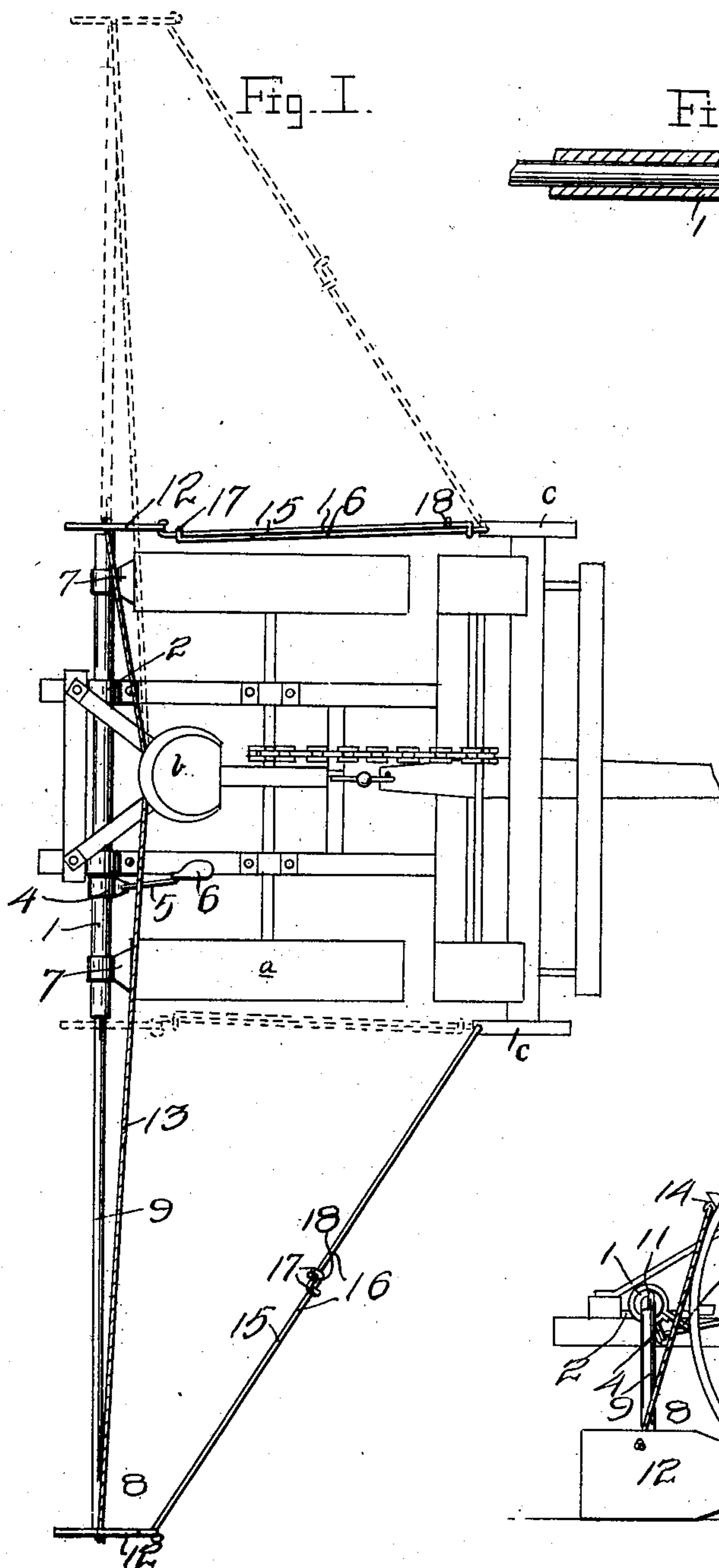


No. 747,505.

PATENTED DEC. 22, 1903.

C. A. TAYLOR.
MARKER FOR PLANTERS.
APPLICATION FILED APR. 30, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

CHARLES A. TAYLOR, OF WINCHESTER, ILLINOIS.

MARKER FOR PLANTERS.

SPECIFICATION forming part of Letters Patent No. 747,505, dated December 22, 1903.

Application filed April 30, 1903. Serial No. 154,993. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. TAYLOR, a citizen of the United States, residing at Winchester, in the county of Scott and State of Illinois, have invented certain new and useful Improvements in Markers for Corn and other Planters; 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 is an improved marker attachment for corn and other planters; and it consists in the construction and combination of devices hereinafter described and claimed.

The object of my invention is to provide a cheap, simple, light, and efficient device of this character which is adapted to be attached to and used in connection with corn and other planters of ordinary construction.

In the accompanying drawings, Figure 1 is a top plan view of a corn-planter machine provided with my improved marking attachment. Fig. 2 is a side elevation of the same. Fig. 3 is a detail sectional view of the same, showing the construction of the joint between the sections of the marker-rod and the coaction thereof with one end of the tubular guide and holder for the marker-rod.

In the embodiment of my invention here shown I provide a tubular guide and holder 1, which is of suitable length and diameter and is attached as by means of clamps 2 to the rear end of the frame of a corn-planting machine. The length of the said tubular guide and holder is such that the ends thereof project outward slightly beyond the supporting and traction wheels *a* of the corn-planter.

The seat *b* for the driver is supported above the said tubular guide and holder. The latter is revolubly mounted in the clamps 2, which may form bearings therefor, and is provided with a rock-arm 4, which is connected by the link-rod 5 to a pedal-lever 6, the latter being here shown as fulcrumed to one side of the frame of the planter. Near the ends of the tubular guide and holder are scrapers 7, which may be applied at will to the peripheries of the supporting and traction wheels *a* when the tubular guide and holder is appropriately turned in its bearings by means of

the pedal-lever and the connections hereinbefore described.

The marker-rod 8 comprises a pair of sections 9 of suitable length, having their inner ends disposed in overlapped relation and pivotally connected together by a pin or other suitable device 10. The said marker-rod is adapted to move endwise in and through the tubular guide and holder, and the length of its respective sections is such that when it is extended to its full extent in either direction the inner end of one of the sections will engage one end of the tubular guide and holder and form in coaction therewith a stop 11 to retain the marker-rod in such position, it being understood that the extended section of the marker-rod is disposed at such an inclination as to cause the marker 12, at the outer end thereof, to bear on or operate in the soil. When the marker-rod has both of these sections disposed in line with each other, the said rod is free to be moved lengthwise in the tubular guide and holder, as will be understood. An operating-cord 13 is here shown as having its ends attached to the markers 12 and its intermediate portion engaged with the direction element, such as an eye 14, under the seat *b*, at the rear side thereof. A sheave or pulley may be employed for this purpose, as will be understood. I do not limit myself in this particular.

To the front ends of the markers 12 are attached the rear ends of guide-rods 15, each of the said guide-rods comprising a pair of slidably-related sections 16, so that the said guide-rods are rendered extensible in length at will. Each section of each guide-rod is here shown as provided at one end with a guide-eye 17, through which the other section extends, and one section of each guide-rod is shown as provided with a stop 18, which coacts with the eye 17 of the other section to limit the extent of the longitudinal adjustment of the guide-rod.

The front ends of the longitudinally-extensible guide-rods may be attached to any desired or suitable portions of the planter or its frame. For the purposes of this specification I show the planter as provided with brackets *c*, to which the front ends of the guide-rods are detachably connected. It will

be understood that by means of the operating-cord 13 the driver may move the marker-rod longitudinally in either direction through the tubular guide and holder to extend the
 5 marker from either side of the planter at will. It will also be understood that as the marker-rod is thus moved one of the guide-rods becomes shortened and the other lengthened by reason of the slidable relation of the sections
 10 of the side guide-rods.

I do not desire to limit myself to the precise construction and combination of devices herein shown and described, as it is evident that modifications may be made therein without departing from the spirit of my invention
 15 and within the scope of the appended claims.

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

20 1. In combination with a longitudinally-movable marker-rod, a guiding and holding

element therefor, bearings for said guiding and holding element whereby the same is adapted for partial rotation, scrapers operated by said guiding and holding element,
 25 and means to partly rotate the latter, substantially as described.

2. In combination with a tubular guiding and holding element having a scraper, a bearing for said element whereby it is adapted to
 30 be partly revolved, a lever to partly revolve said element, and a longitudinally-movable marker-rod carried by said element, substantially as described.

In testimony whereof I have hereunto set
 35 my hand in presence of two subscribing witnesses.

CHARLES A. TAYLOR.

Witnesses:

HENRY ENGELBRECHT,
 CHARLES FROHURTER.