

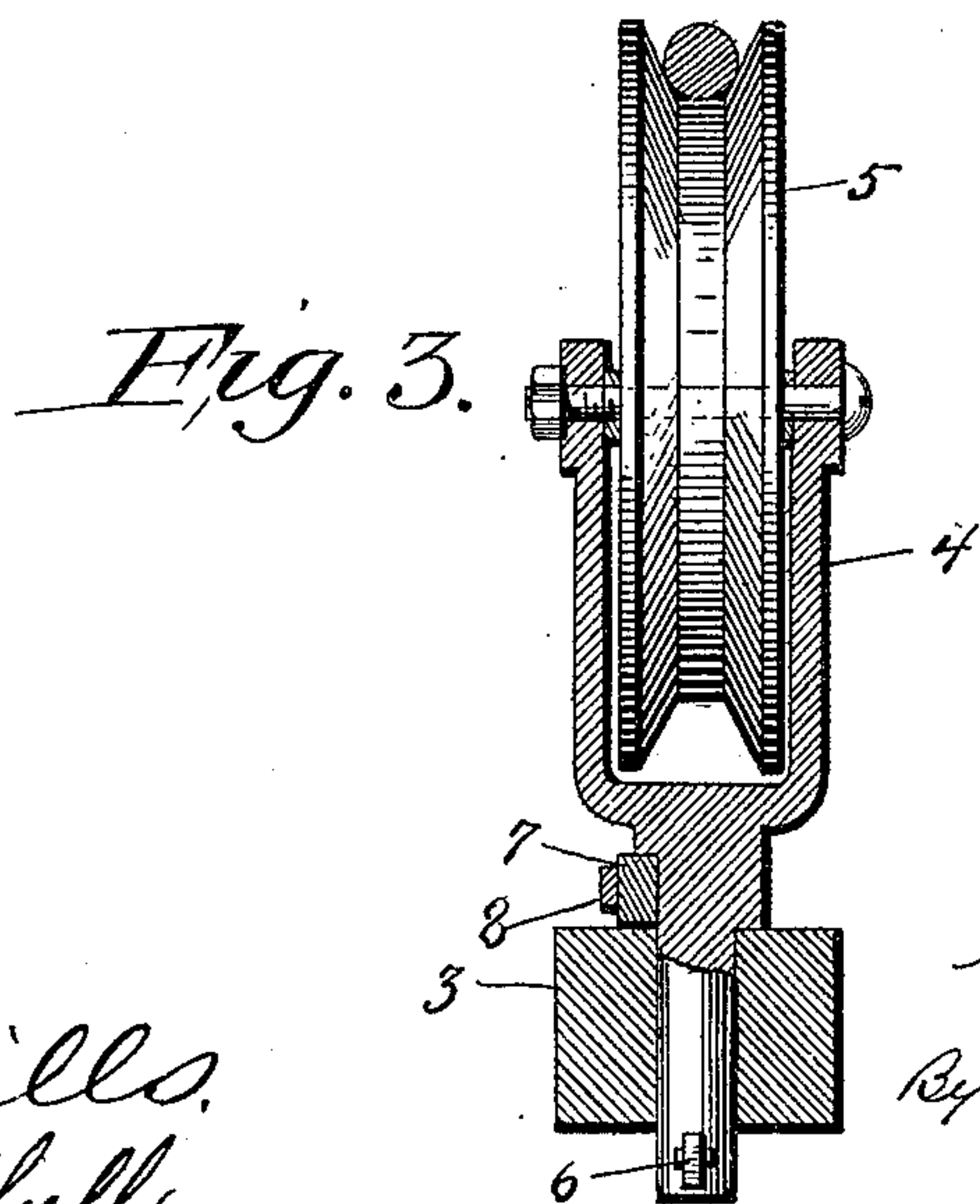
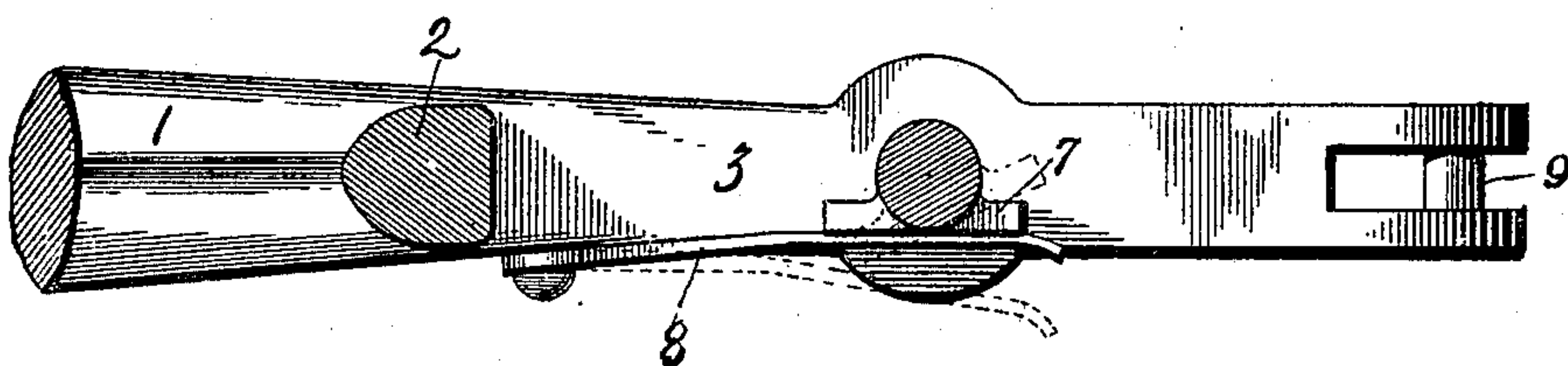
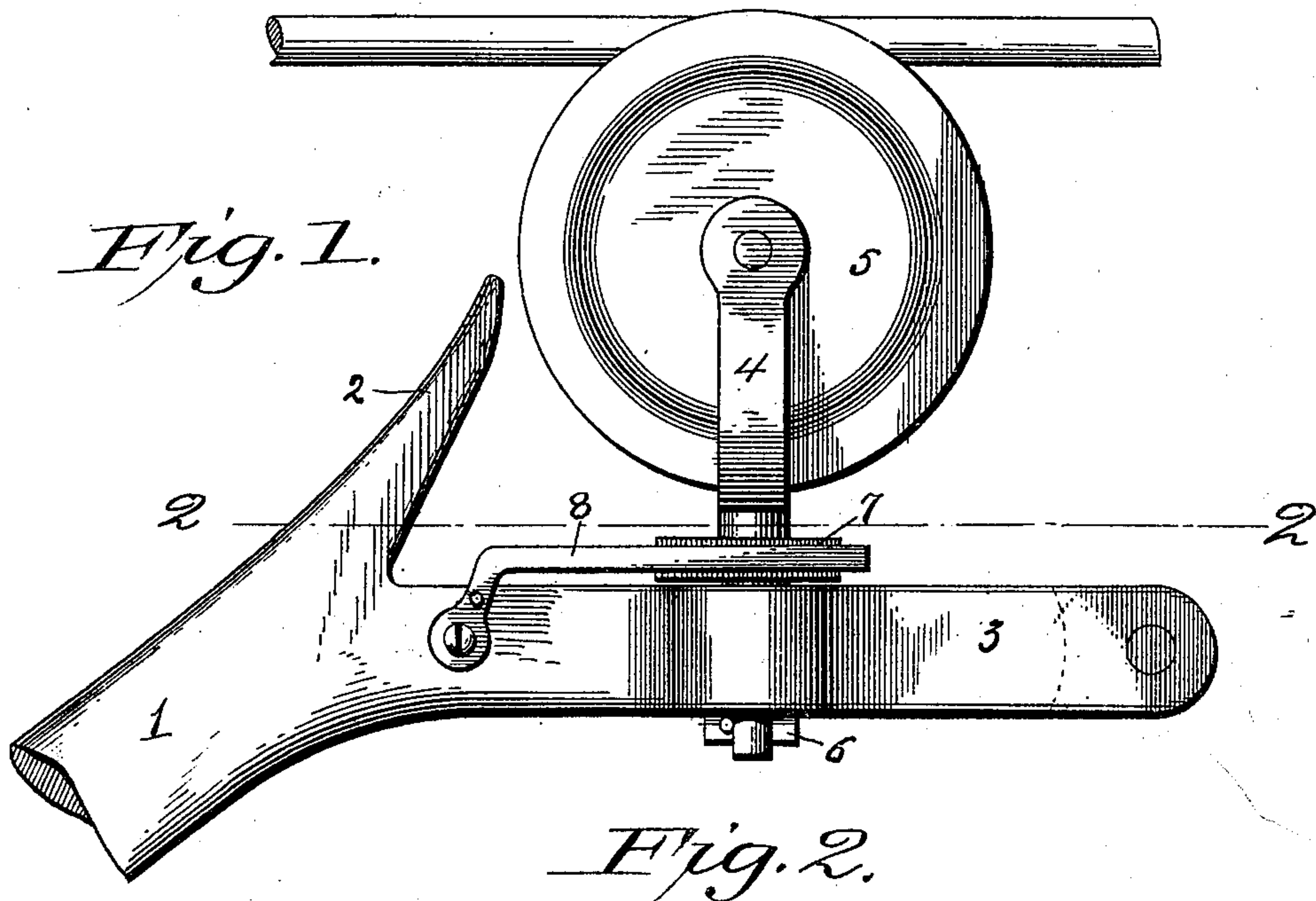
No. 640,204.

Patented Jan. 2, 1900.

C. A. JACKSON.
TROLLEY.

(Application filed Feb. 18, 1899.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES A. JACKSON, OF LEWISTON, MAINE, ASSIGNOR OF ONE-HALF TO
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TROLLEY.

SPECIFICATION forming part of Letters Patent No. 640,204, registered January 2, 1900.

Application filed February 16, 1899. Serial No. 705,709. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. JACKSON, a citizen of the United States, residing at Lewiston, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Trolleys; 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.

This invention relates to certain new and useful improvements in trolleys, and has for its object to provide a trolley that will not leave the wire in passing around curves or over switches.

A further object of my invention is to provide a trolley-head in which the trolley-wheel is swiveled and capable of being turned in either direction to accommodate itself to the conditions of the feed-wire.

A further object of my invention is to provide a trolley-head having a slot in which is secured a trolley-finder and also having a spring secured to one side of the trolley-head and engaging a flat surface on the support of the trolley-wheel, whereby the trolley-wheel is retained in a predetermined position and to complete the circuit for the current from the supply-wire to the motor should in any way the contact of the support for the trolley-wheel and the trolley-pole be disturbed.

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

Figure 1 is a perspective view of my improved trolley-head. Fig. 2 is a view on line 2 2, Fig. 1. Fig. 3 is a detached view of the spring for retaining the trolley-wheel in its normal position.

Referring to the drawings by reference-figures, 1 designates the trolley-pole, which is provided at its upper end with a shield 2 to prevent the guy-wires from engaging the support for the trolley-wheel. Said trolley-pole is provided with an extension 3, in which

is swiveled a support which is provided with two arms having an aperture formed in the upper end of each of said arms. Journaled in said arms is a trolley-wheel 5, which is adapted to engage the trolley-wire. The support 4 is held in position by a key 6, passing through the lower end of the support. Formed integral with or secured to one side of the support is a strip 7, said strip being parallel with and at a short distance above the extension 3. Secured to one side of the extension 3 and between the support 4 and the shield 2 is a spring 8. Said spring 8 is adapted to engage the strip 7 to hold the trolley-wheel in its normal position, as shown in Fig. 1. Formed in the outer end of said extension 3 is a slot 9, in which is secured in any suitable manner a trolley-finder of any suitable construction.

The spring 8 and the strip 7 perform an additional function of forming a circuit by which the current is conducted from the current-wire to the motor should the contact of the support 4 and the extension 3 be disturbed.

It will be noted that various changes may be made in the details of construction without departing from the spirit of my invention.

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

A trolley-head comprising in combination with the pole, the trolley-wheel-carrying yoke swiveled in said pole, the shank portion of the yoke having a shoulder resting on the pole, an elongated strip 7 secured at right angles to the shank of the yoke in a recessed portion thereof, the lower edge of said strip and the shoulder being in the same plane, and the spring-bar 8 secured to the trolley-pole and bearing longitudinally against the outer face of said strip, as shown and described.

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

CHARLES A. JACKSON.

Witnesses:

J. L. SMALL,
M. T. SMALL.