

No. 848,035.

PATENTED MAR. 26, 1907.

C. W. KETTEMAN.
TROLLEY WIRE SLEEVE.
APPLICATION FILED OCT. 29, 1906.

Fig. 1

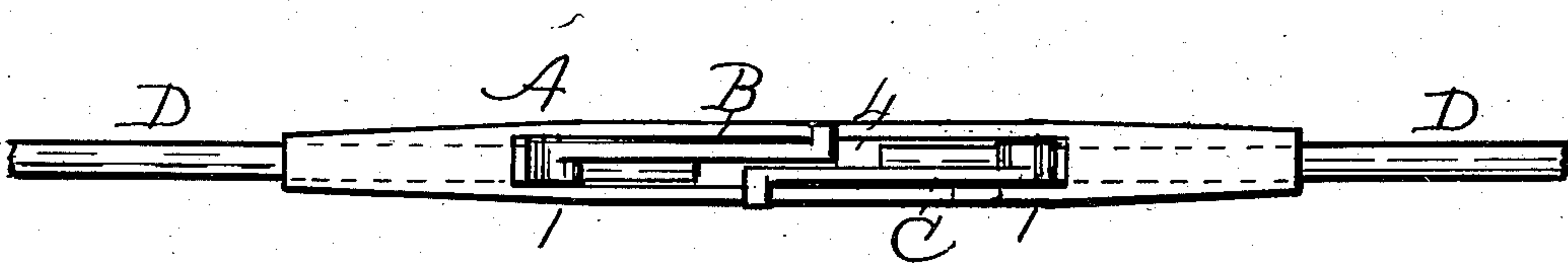


Fig. 2

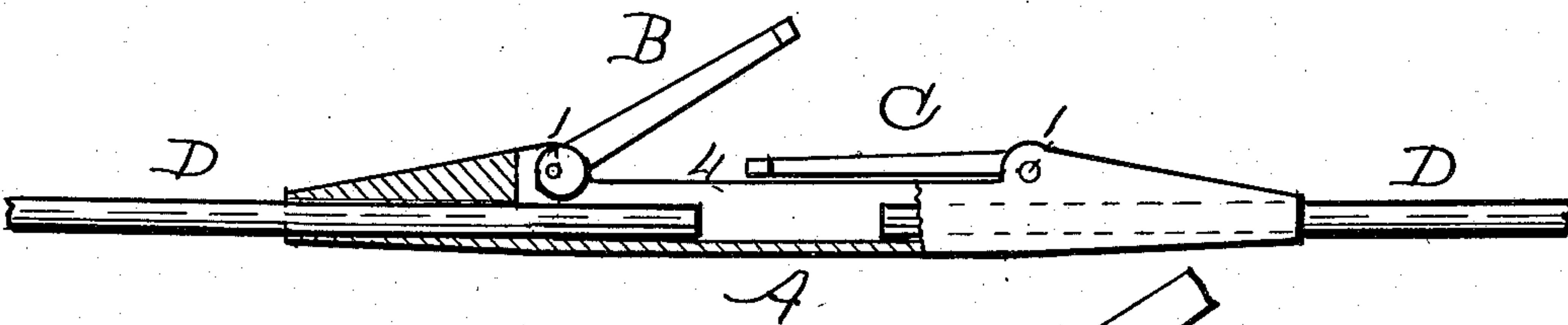
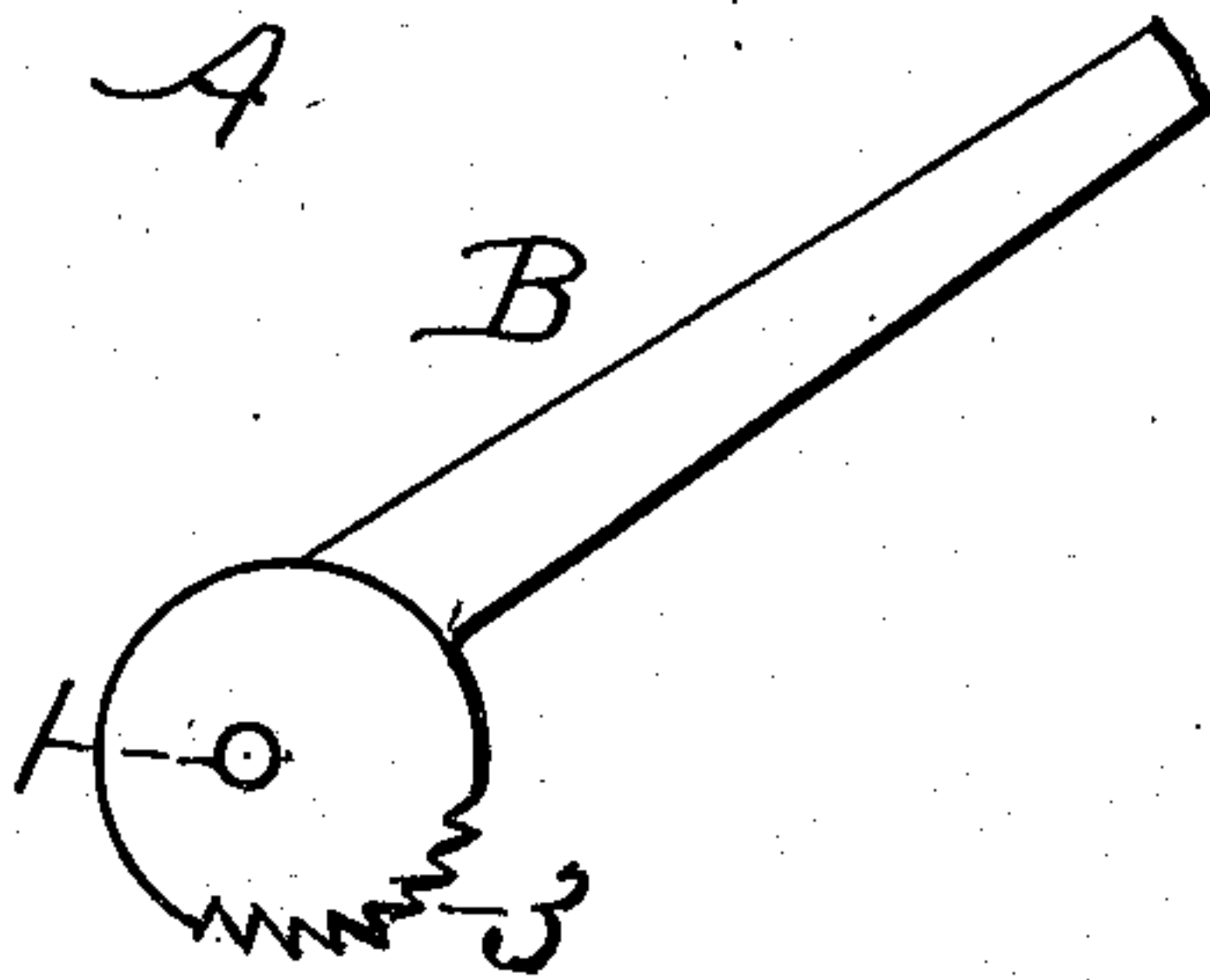


Fig. 3



WITNESSES:
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CHARLES W. KETTEMAN, OF DAYTON, OHIO.

TROLLEY-WIRE SLEEVE.

No. 848,035.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed October 29, 1906. Serial No. 341,001.

To all whom it may concern:

Be it known that I, CHARLES W. KETTEMAN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Trolley-Wire Sleeves; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in trolley-wire sleeves, the features of which will be fully hereinafter described and claimed.

The object of my invention is to provide a connecting-sleeve that can be readily attached to the disengaged ends of a trolley-wire, and thereby the usual delay attending a breakage avoided.

The object is effected by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is a top view of the device as attached to a trolley-wire. Fig. 2 is a side view of the same with a portion in vertical longitudinal section. Fig. 3 is an enlarged view of the eccentric arm with the engaging part of its periphery serrated.

Like letters and numerals designate like parts throughout the several views.

The sleeve A is of cast metal. It has the central chamber 4, and orifices extend therefrom throughout its length. The two series of ears 1 are at the ends of the chamber, and within these are orifices which form the piv-

otal support of the two eccentric arms B C. The under engaging surfaces of these arms are slightly eccentric to the pivots, and the surfaces are serrated, as shown at 3, Fig. 3, to more effectively secure the ends of the trolley-wires. At Fig. 2 the eccentric arm B is shown up and out of engagement, but the other arm C is shown down, thereby contacting with the trolley-wire D.

In use, when a break of the trolley-wire occurs, the motorman and conductor take up the ends with the usual appliances of clamp and rope and pulleys, passing the ends into the sleeve. The eccentric arms are then pressed down and engage said ends and thereby secure the electric circuit. On the top side of the chambered sleeve from the edges are inclines to the top of the ears. In case of the turning of the sleeve bottom upward the trolley-wheel will pass over these inclines and the intermediate eccentric-arms without material jar.

Having fully described my invention, what I desire to secure by Letters Patent is—

The chambered sleeve with end orifices, the ears having inclines external to their tops, the eccentric-arms pivotally held within said ears, and when in engagement are nearly in line with said ears, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES W. KETTEMAN.

Witnesses:

B. PICKERING,
CHESTER A. EBY.