

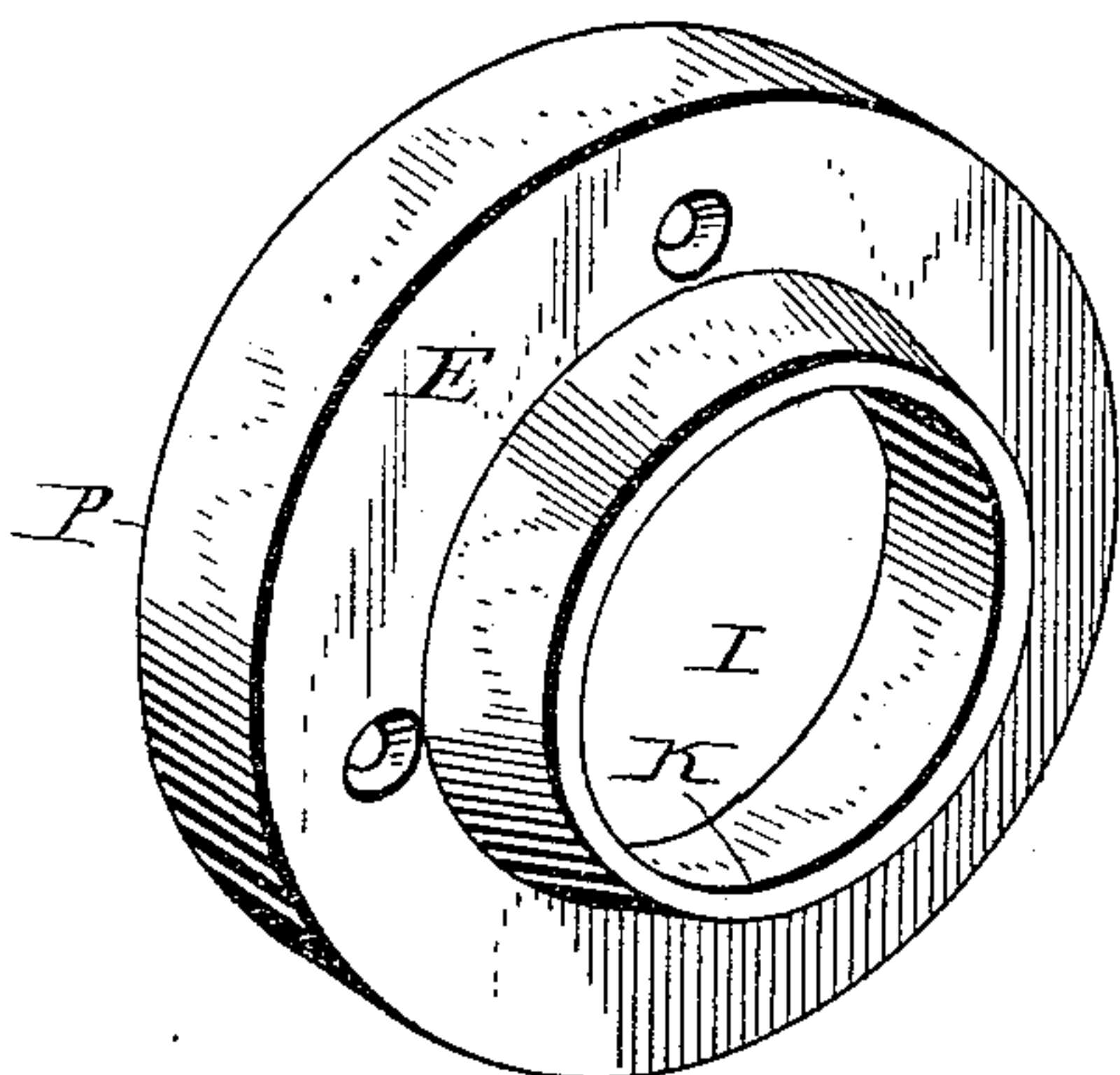
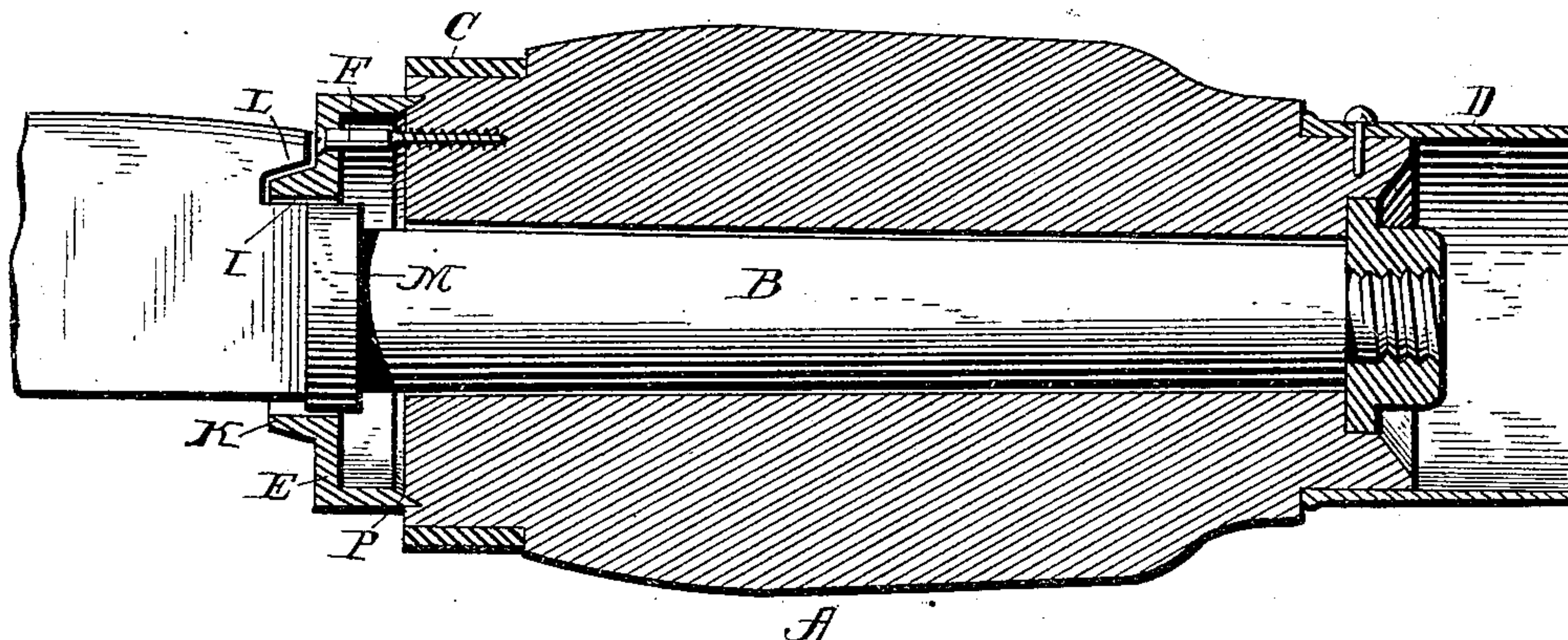
(No Model.)

C. O. CHAPLIN.

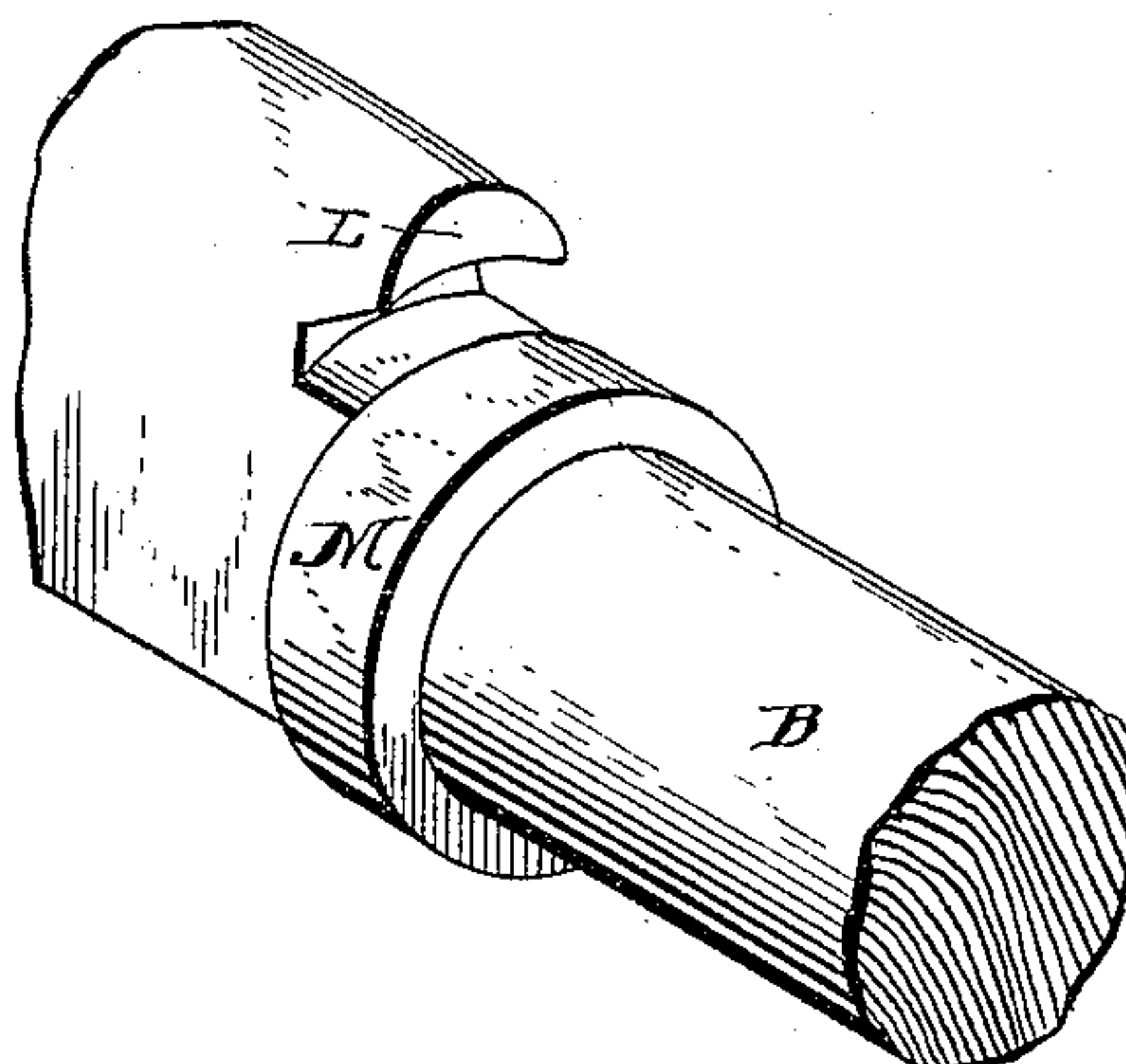
SAND BAND FOR WHEEL HUBS.

No. 354,181.

Patented Dec. 14, 1886.



SECRET



WITNESSES

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CHARLES O. CHAPLIN, OF HARTLAND CORNERS, NEW YORK.

SAND-BAND FOR WHEEL-HUBS.

SPECIFICATION forming part of Letters Patent No. 354,181, dated December 14, 1886.

Application filed October 8, 1886. Serial No. 215,694. (No model.)

To all whom it may concern:

Be it known that I, CHARLES OLIVER CHAPLIN, a citizen of the United States, and a resident of Hartland Corners, in the county of Niagara and State of New York, have invented certain new and useful Improvements in Sand-Bands for Wheel-Hubs; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of my invention, and is a vertical longitudinal section of the same. Fig. 2 is a perspective view of the sand-band. Fig. 3 is a perspective view of a portion of the axle, showing the scraper L.

My invention relates to sand bands for vehicle-hubs; and it consists in the construction and novel combination of parts, as hereinafter described and claimed.

Referring by letter to the accompanying drawings, A designates a wheel-hub of the ordinary construction, secured on the arm or journal B, in the usual manner, by a nut.

C designates the inner hub-band, and D the outer hub-band, both bands being of the construction ordinarily used.

E designates the sand-band, which is made of metal cast in one piece to form an open cap, and is secured to the inner end of the wheel-hub by screws F, or otherwise. The opening I in the sand-band is surrounded by an annular flange, K, which flange, when the wheel-hub is in place upon the arm of the axle, projects under a scraper, L, on the wooden portion of the axle, which scraper extends over the annular collar K, and serves to clear it of

sand when the vehicle is in motion. The annular flange K fits closely to the periphery of the collar M at the inner end of the arm of the axle, so that the sand is prevented from entering the oil-chamber ordinarily; but if, by accident or from wear of the parts, any sand should be admitted, it will seek the bottom of the oil-chamber, and will in no case reach the arm or spindle of the axle. The flange P of the open cap is beveled on its inner periphery outwardly to form a knife-edge on said flange P, or so nearly a knife-edge as to permit the edge of the flange P to be driven into the end of the hub far enough to form an oil-tight joint without injury to the material of the hub.

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

1. The sand-band herein described, formed from a single piece of metal, and consisting, essentially, of the band E, having the transverse apertures to receive fastening-screws, and the central apertures, I, surrounded by the annular flange K, and the flange P, of greater diameter than the flange K, and having the knife-edge adapted to be driven into a hub, substantially as specified.

2. The combination of the axle having the collar M and scraper L, as described, and the sand-band E, having the central aperture, I, surrounded by the flange K, the flange P, having the cutting-edge to be driven into the hub, and the screws passing through apertures in the band and into the hub, substantially as specified.

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

CHARLES O. CHAPLIN.

Witnesses:

THEO. MUNGEN,
PHILIP C. MASI.