

No. 672,643.

Patented Apr. 23, 1901.

C. LINSTROM.
ECCENTRIC.

(Application filed Dec. 11, 1900.)

(No Model.)

Fig. 1.

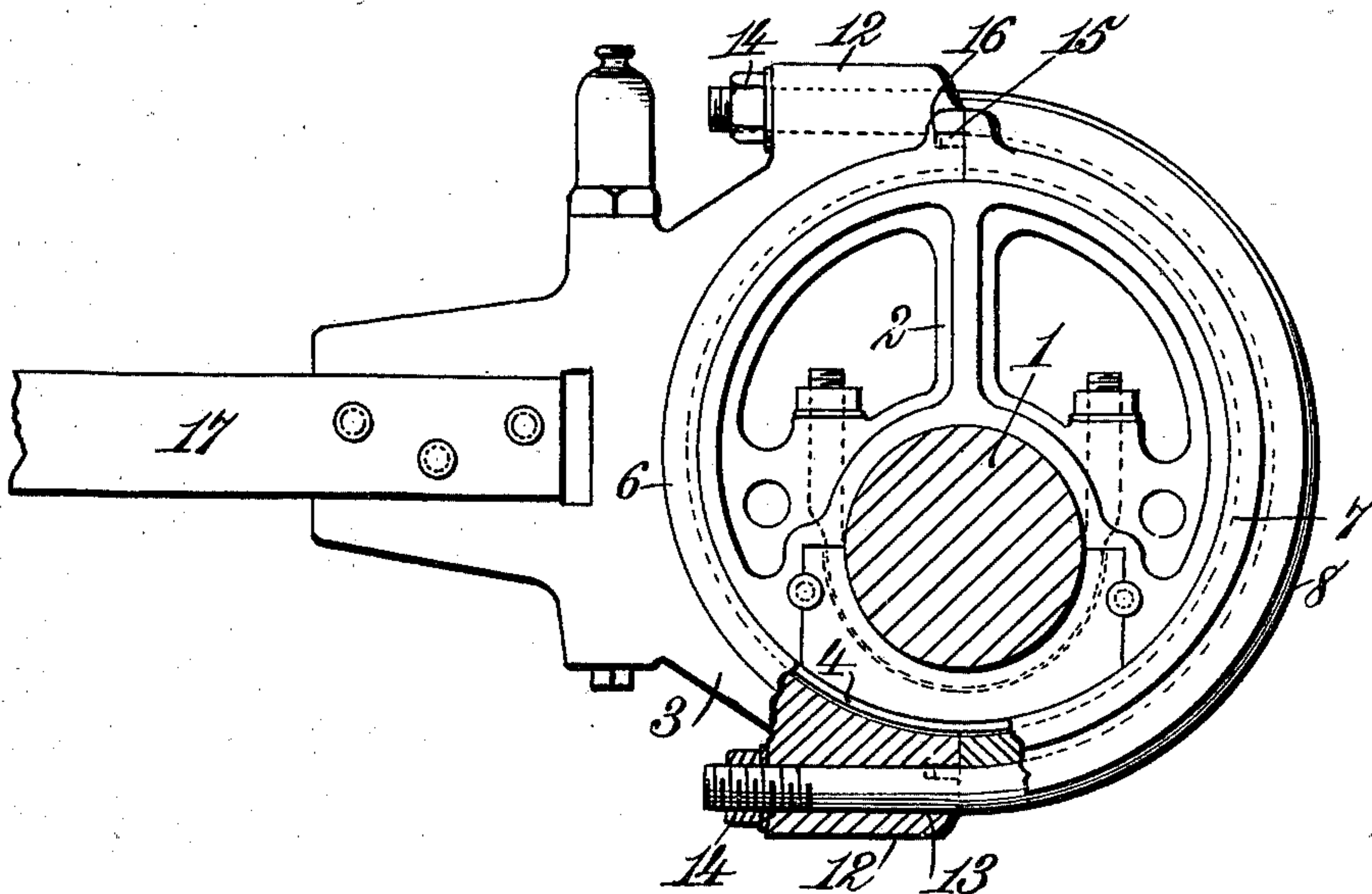


Fig. 2.



Fig. 4.

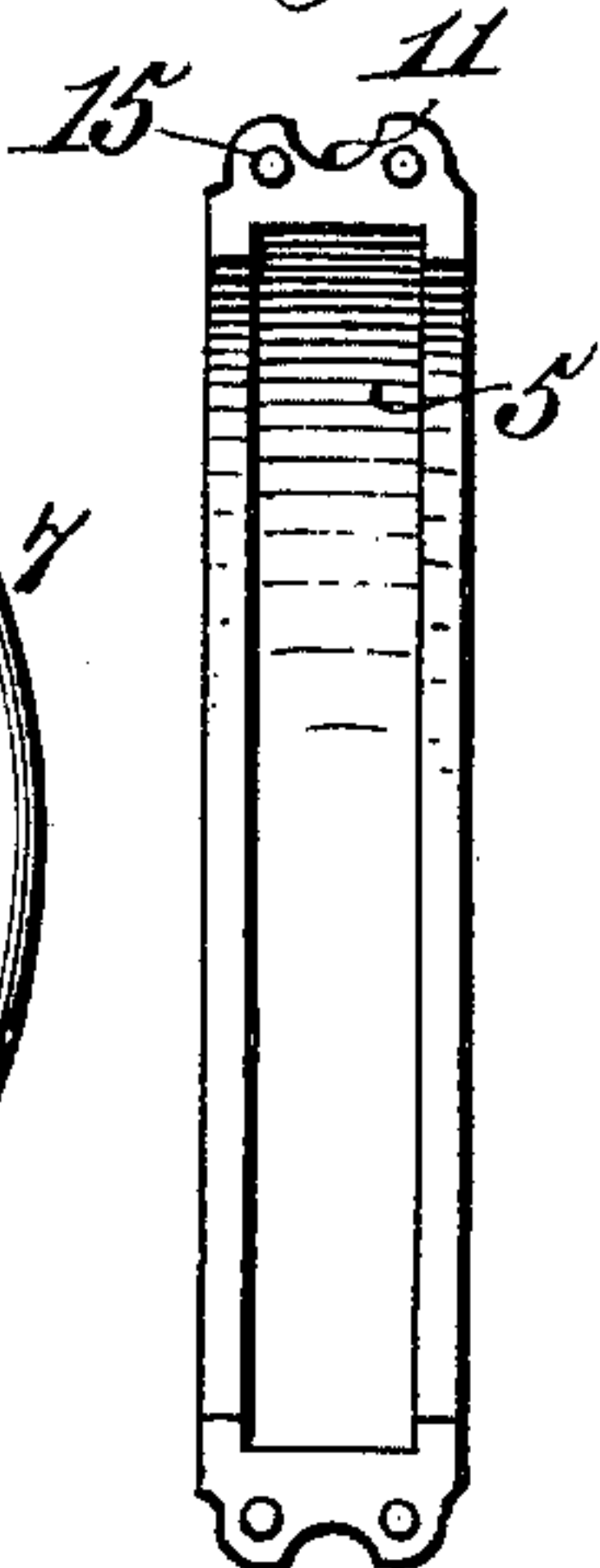


Fig. 5.

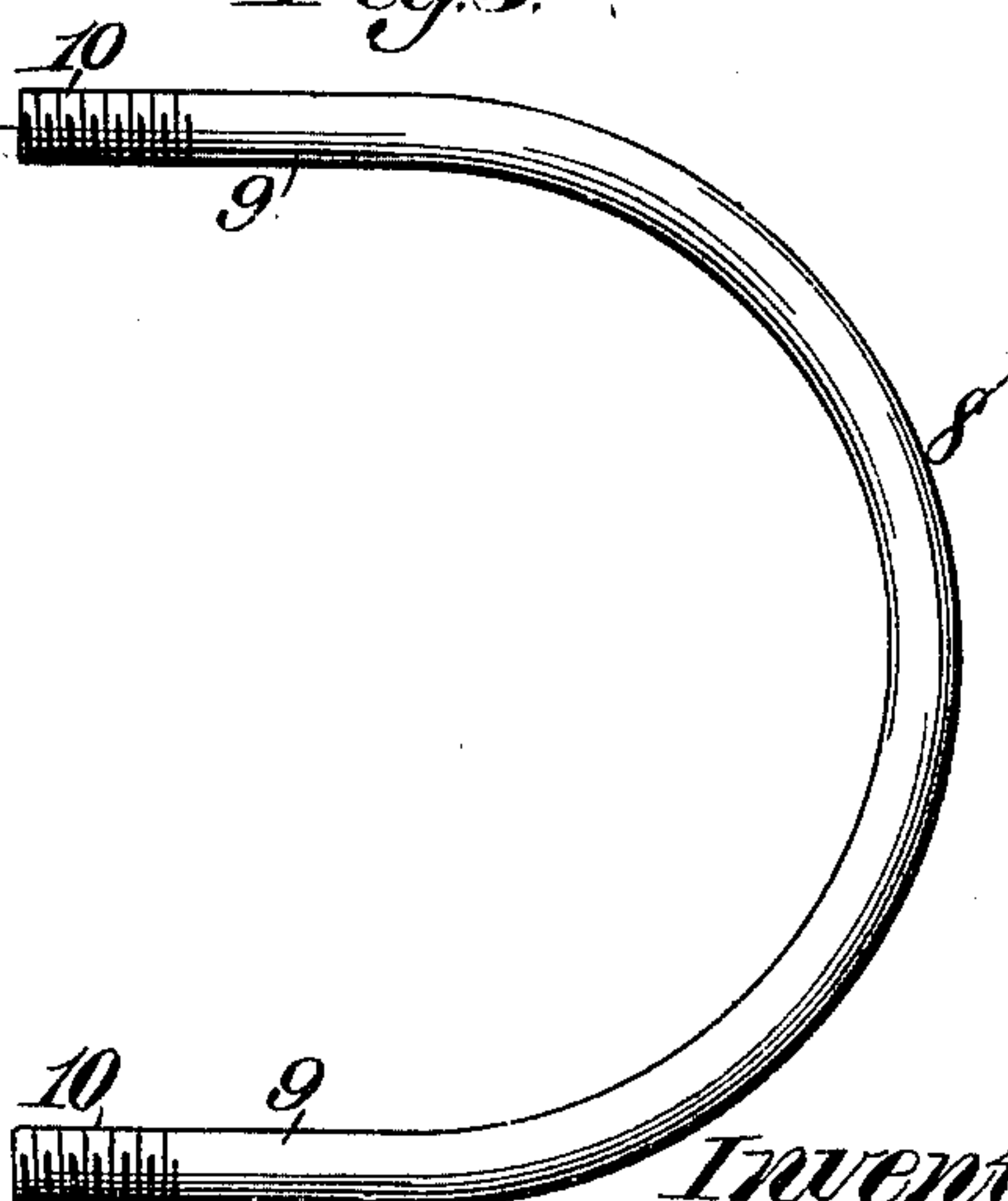
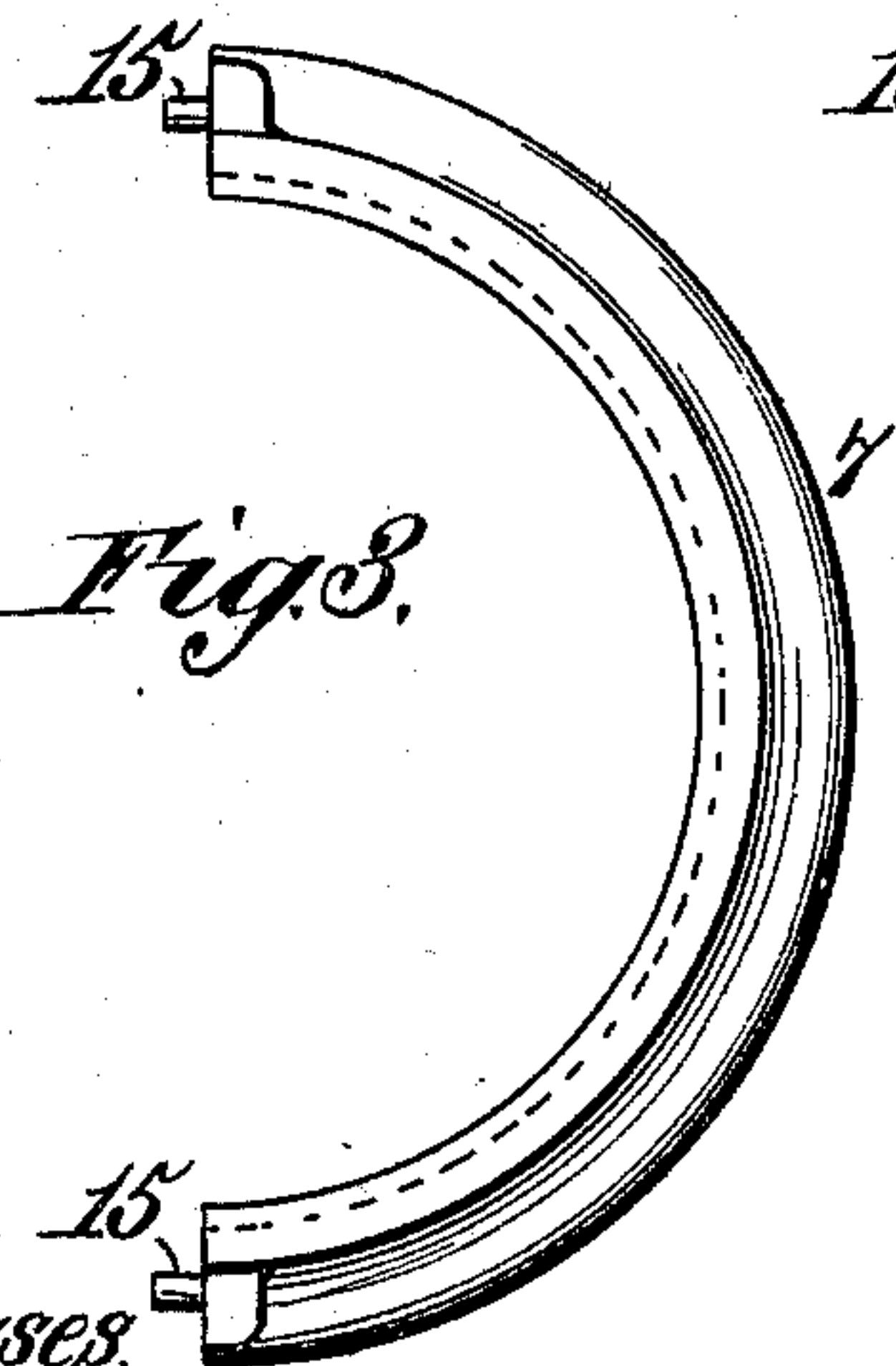


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES LINSTROM, OF VICKSBURG, MISSISSIPPI.

ECCENTRIC.

SPECIFICATION forming part of Letters Patent No. 672,643, dated April 23, 1901.

Application filed December 11, 1900. Serial No. 39,527. (No model.)

To all whom it may concern:

Be it known that I, CHARLES LINSTROM, a citizen of the United States, residing at Vicksburg, in the county of Warren and State of Mississippi, have invented new and useful Improvements in Eccentrics, of which the following is a specification.

My invention relates to that class of eccentrics for steam-engines and the like in which a sectional or two-part eccentric-strap is employed, the invention residing particularly in the fastening means for the different parts of the strap.

One object of the invention is to provide novel means for securing the different parts of the eccentric-strap together which will hold said parts firmly and securely in proper relation to each other and prevent lateral or other displacement of the same.

Other objects of the invention will hereinafter appear, and the novel features thereof will be set forth in the claim.

In the drawings forming a part of this specification, Figure 1 is a sectional side elevation illustrative of my invention. Fig. 2 is a plan view of one part of the sectional strap. Fig. 3 is a side elevation of the same. Fig. 4 is an end view of the same, showing the inner face thereof; and Fig. 5 is a detail view of the clamping-strap.

Like reference-numerals indicate like parts in the different views.

The rotary drive-shaft 1 has the eccentric 2 secured thereto, and the latter moves within the sectional or two-part eccentric-strap 3. The periphery of the eccentric 2 is provided with a projecting flange or rib 4, which moves within a corresponding internal groove 5 in the eccentric-strap 3. The two parts 6 and 7 of the eccentric-strap 3 register with each other when the device is assembled and are secured together by means of a metallic clamping strap or band 8, the same being U-shaped, as shown, and having the straight arms 9 9, which are provided with screw-threads 10 upon the ends thereof. To accommodate the curved portion of the strap 8, the part 7 of the eccentric-strap 3 is formed with a peripheral groove 11, and to receive the arms 9 of said clamping-strap the part 6 of the eccentric-strap is pro-

vided with elongated lugs 12 on opposite sides thereof, in which are formed the openings 13, through which the arms 9 project. The openings 13 are tangential to the groove 11 in the part 7 of the eccentric-strap and in reality form continuations of said groove. When the parts of the device are assembled, the same are locked by applying the curved portion of the clamping-strap 8 to the groove 11 and passing the arms 9 of said clamping-strap through the openings 13 in the lugs 12. Upon the projecting ends of said arms 9 the nuts 14 are screwed for completing the locking action between these parts. To insure the proper registration of the parts 6 and 7 with each other, I make use of dowel-pins 15 on the end of the part 7, which fit within corresponding openings 16 in the part 6.

From the foregoing description it will be seen that the part 7 of the eccentric-strap is firmly secured to the part 6 thereof by means of a clamping-strap 8, which completely embraces the part 7, fitting within the groove 11 therein, and has its ends locked by the nuts 14 to the part 6. Lateral displacement of the two parts of the eccentric-strap is prevented, and a secure connection between said parts is thus provided. In order to make certain, however, that no displacement of the parts of said strap takes place, the dowel-pins 15 and openings 16, in which said pins fit, are employed.

The eccentric-rod 17 is secured to the part 6 of the eccentric-strap 3, and suitable lubricating means are provided on said part 6.

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

The combination with an eccentric having a circumferential flange or rib thereon, of an eccentric-strap embracing the same and provided with an integral groove in which said flange or rib fits, said strap being made in two parts, one of which has a peripheral groove therein and dowel-pins in the ends thereof and the other of which is provided with lugs on opposite sides thereof and with openings adapted to receive said dowel-pins, the said lugs having openings extending therethrough tangentially of said peripheral groove, means

for securing said parts together, the same comprising a clamping-strap having a curved intermediate portion and straight arms at its ends, said curved intermediate portion fitting
5 within said peripheral groove and said arms extending through the openings in said lugs, and securing means on said arms.

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

CHARLES LINSTROM.

Witnesses:

J. A. WINDER,
M. J. DONOVAN.