

No. 850,139.

PATENTED APR. 16, 1907.

D. CRONSHOE.
HANDLE BAR FOR BICYCLES AND THE LIKE.
APPLICATION FILED MAR. 15, 1905.

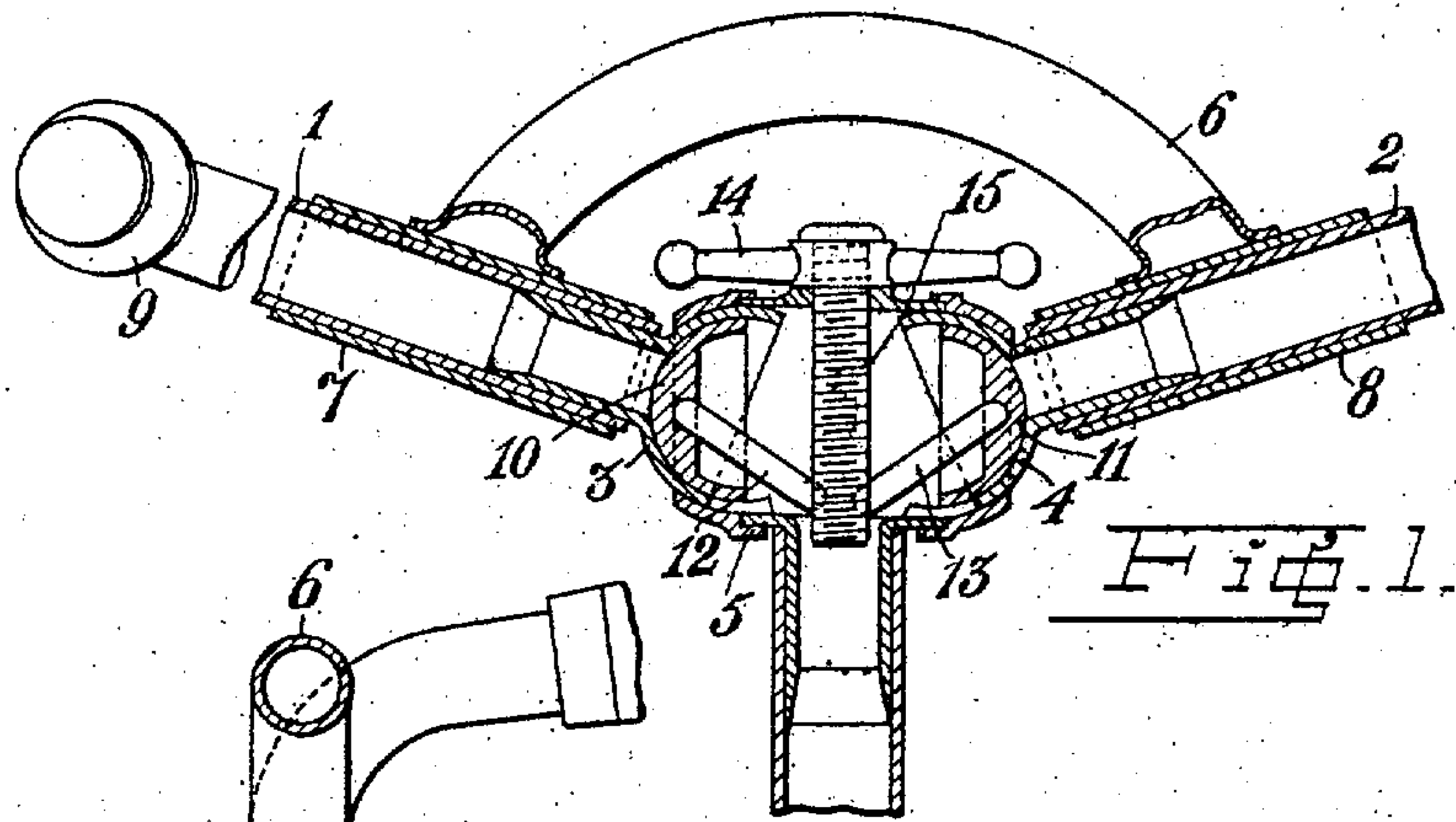


Fig. 1.

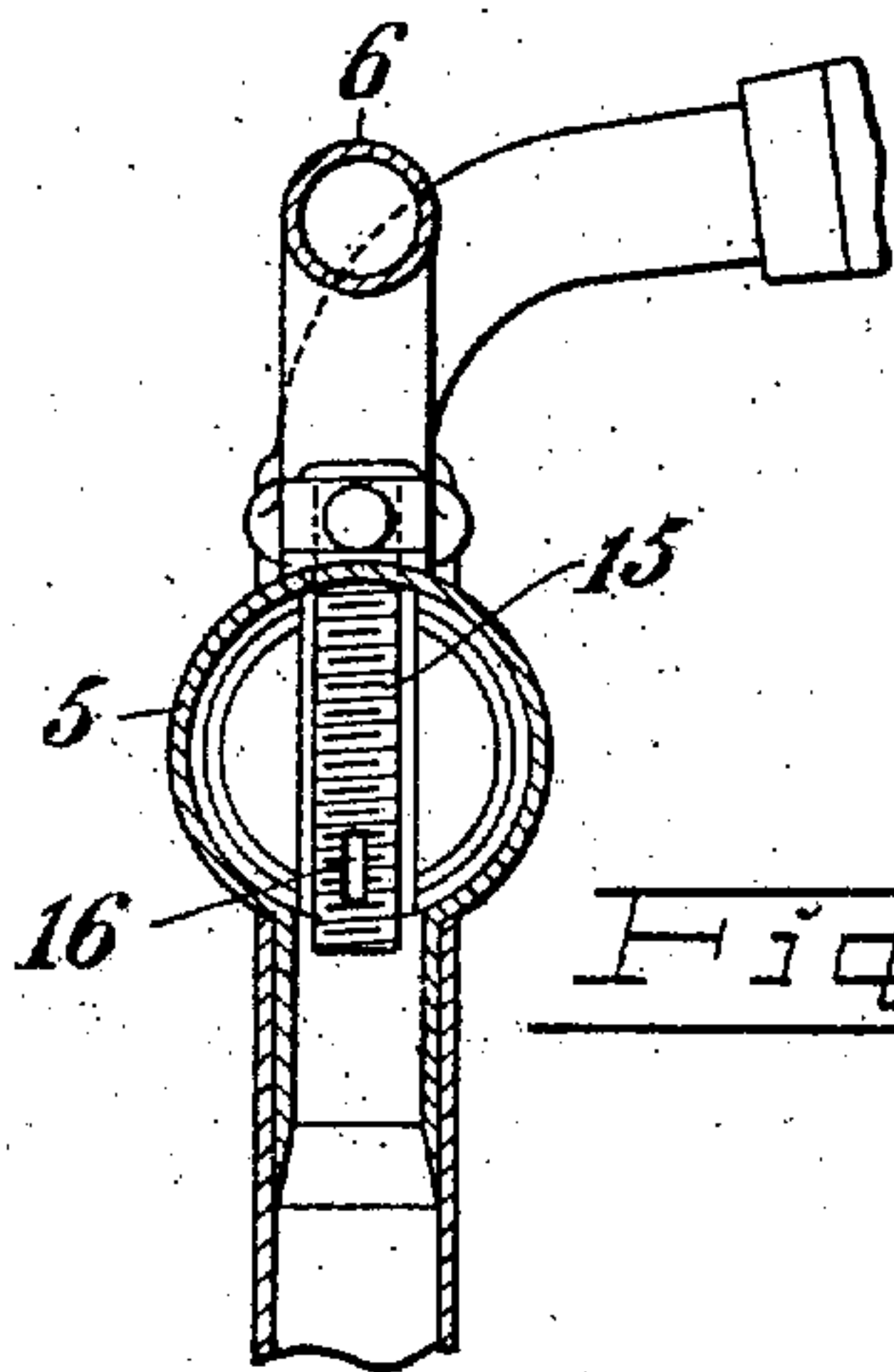


Fig. 2.

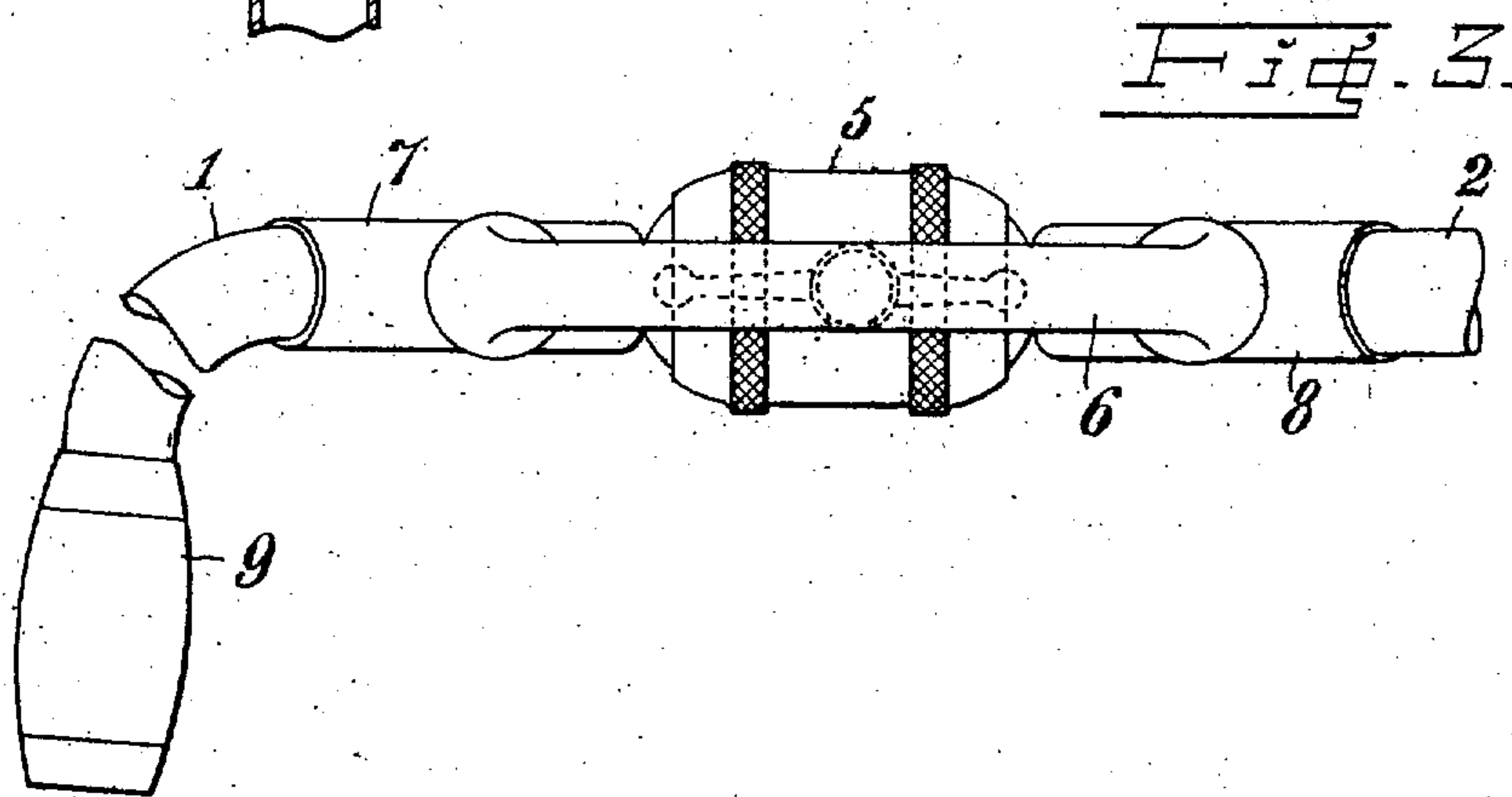


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

DANIEL CRONSIOE, OF MALMO, SWEDEN.

HANDLE-BAR FOR BICYCLES AND THE LIKE.

No. 850,139.

Specification of Letters Patent.

Patented April 16, 1907.

Application filed March 15, 1905. Serial No. 250,289.

To all whom it may concern:

Be it known that I, DANIEL CRONSIOE, a subject of the King of Sweden, and a resident of Malmo, Sweden, have invented new and useful Improvements in Handle-Bars for Bicycles and the Like, of which the following is a specification, reference being had to the drawings accompanying and forming part hereof.

This invention relates to improvements in handle-bars for bicycles and the like.

The object of the invention is to provide a handle-bar the handles of which may be easily raised or lowered and be moved toward or from each other at will by the bicyclist during the riding.

The invention consists chiefly in that the arms of the handle-bar are pivotally connected to a bearing provided on the usual steering-fork of the frame and are held in a certain angle to each other by means of a bow or the like, so that the said arms by turning the said bow may be turned forward or backward in oblique directions, whereby the distance between the handles and the position of height of the same may be changed at will.

In the accompanying drawings I have shown a handle-bar embodying my invention.

Figure 1 shows a vertical longitudinal section of the same. Fig. 2 shows a cross-section, some parts being broken away; and Fig. 3 shows a top view of the handle-bar.

Referring to the drawings, the arms 1 and 2 of the handle-bar are at their inner ends provided with ball-shaped parts 3 and 4, pivotally journaled in a bearing 5, having corresponding bearing-surfaces. The said arms 1 and 2 are connected to each other by means of a bow or the like 6, the ends of which are provided with sleeves 7 and 8, slidably engaging the inner parts of the arms 1 and 2. The said bow is of such length as to hold the arms 1 and 2 in a certain angle to each other. By turning the bow forward from the position shown in the drawings (upward in Fig. 3) the arms 1 and 2 will be turned forward and downward, so that the handles 9 will take up a low position with large distance between each other. If the bow be turned backward, the handles 9 will likewise take up a

low position, but with small distance between each other.

Though the friction between the end pieces 3 4 and the bearing 5 and between the arms 1 2 and the sleeves 3 4 in the most cases is sufficient to keep the arms 1 and 2 in position, one or more clamping devices may, if desired, be used for said purpose. A suitable clamping device is shown in the drawings and consists of ball-shaped friction-pieces 10 and 11, bearing against the inner surfaces of the ball-shaped end pieces 3 and 4, and of links 12 and 13, engaging at their inner ends recesses 16 in a screw 15, which can be raised or lowered by means of a nut 14, and at their outer ends recesses or the like in the friction-pieces 10 and 11. It will, however, be easily understood that any other suitable clamping or locking device may be used for locking the arms 1 and 2 either to the steering-fork or to the bow.

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

1. In a handle-bar for bicycles and the like, a bearing, pivoted arms, ball-shaped end pieces on the inner ends of said arms engaging the said bearing, and a freely-turnable bow connecting the said arms to each other and having its ends slidably connected to the said arms, substantially as and for the purpose set forth.

2. In a handle-bar for bicycles and the like, a bearing, pivoted arms, ball-shaped end pieces on the inner ends of said arms engaging the said bearing, a bow connecting the said arms to each other and having its ends slidably connected to the said arms, friction-pieces engaging the inner surfaces of the said ball-shaped end pieces, and means for pressing the said ball-shaped friction-pieces against the said inner surfaces of the end pieces, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DANIEL CRONSIOE.

Witnesses:

ANTON SVANLUND,
JOH. VELANDER.