

No. 656,737.

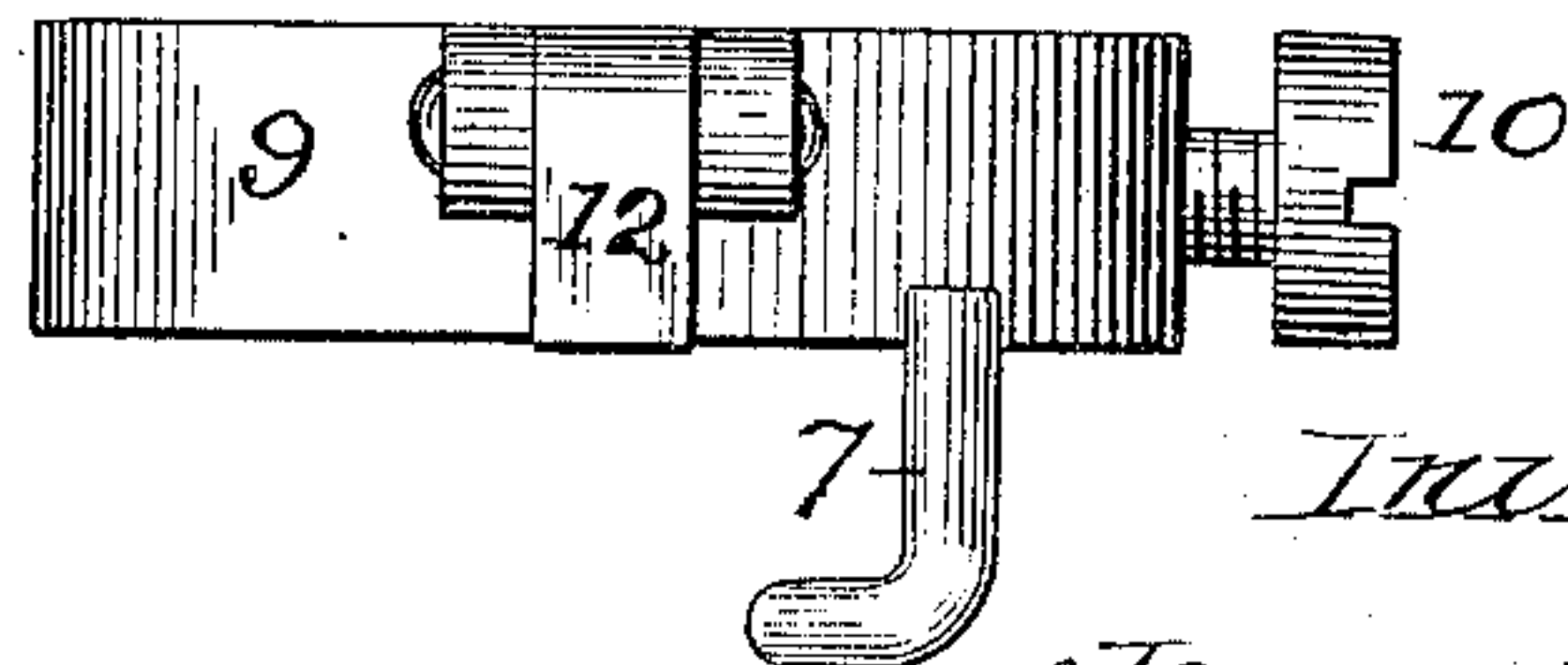
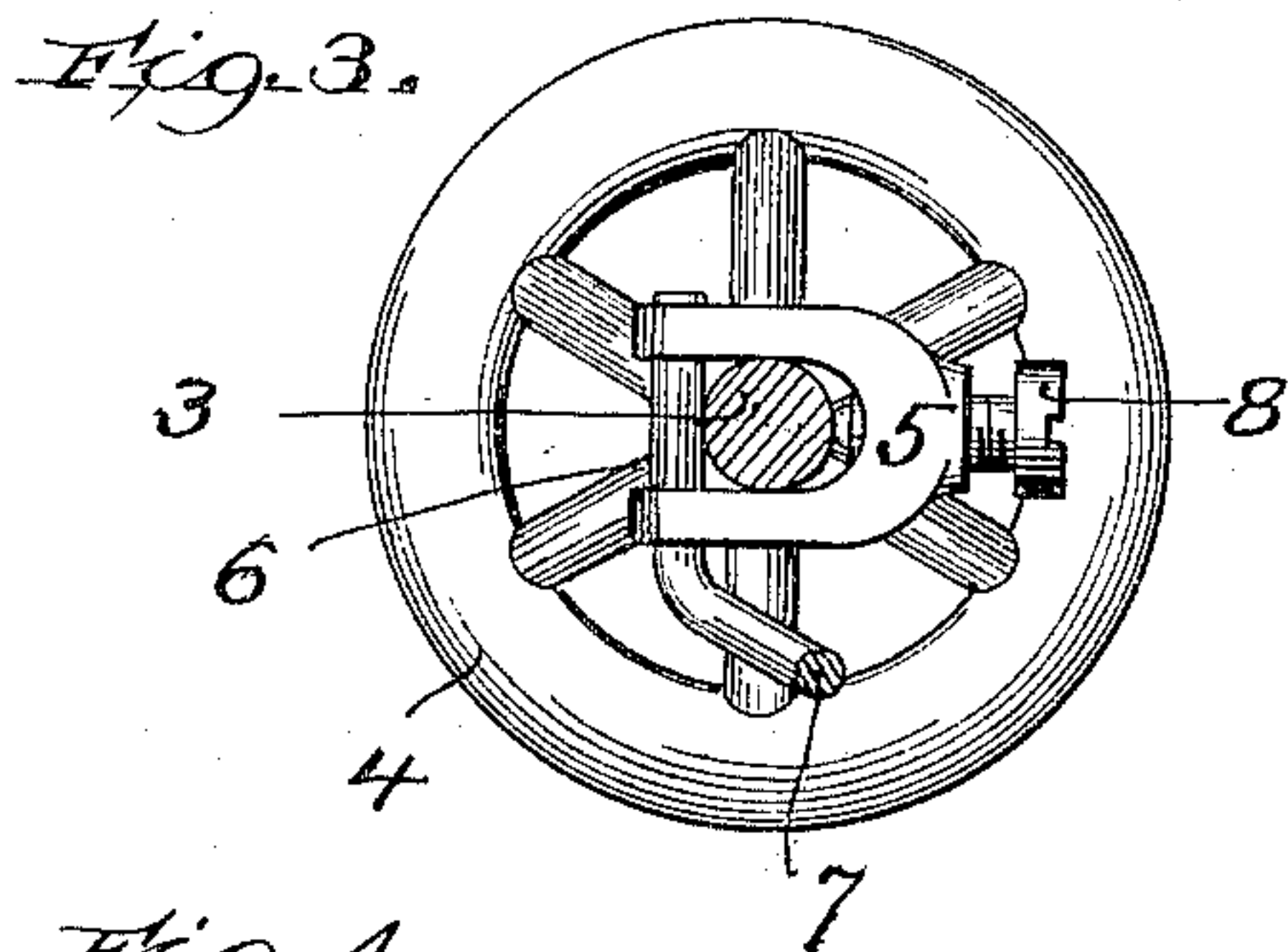
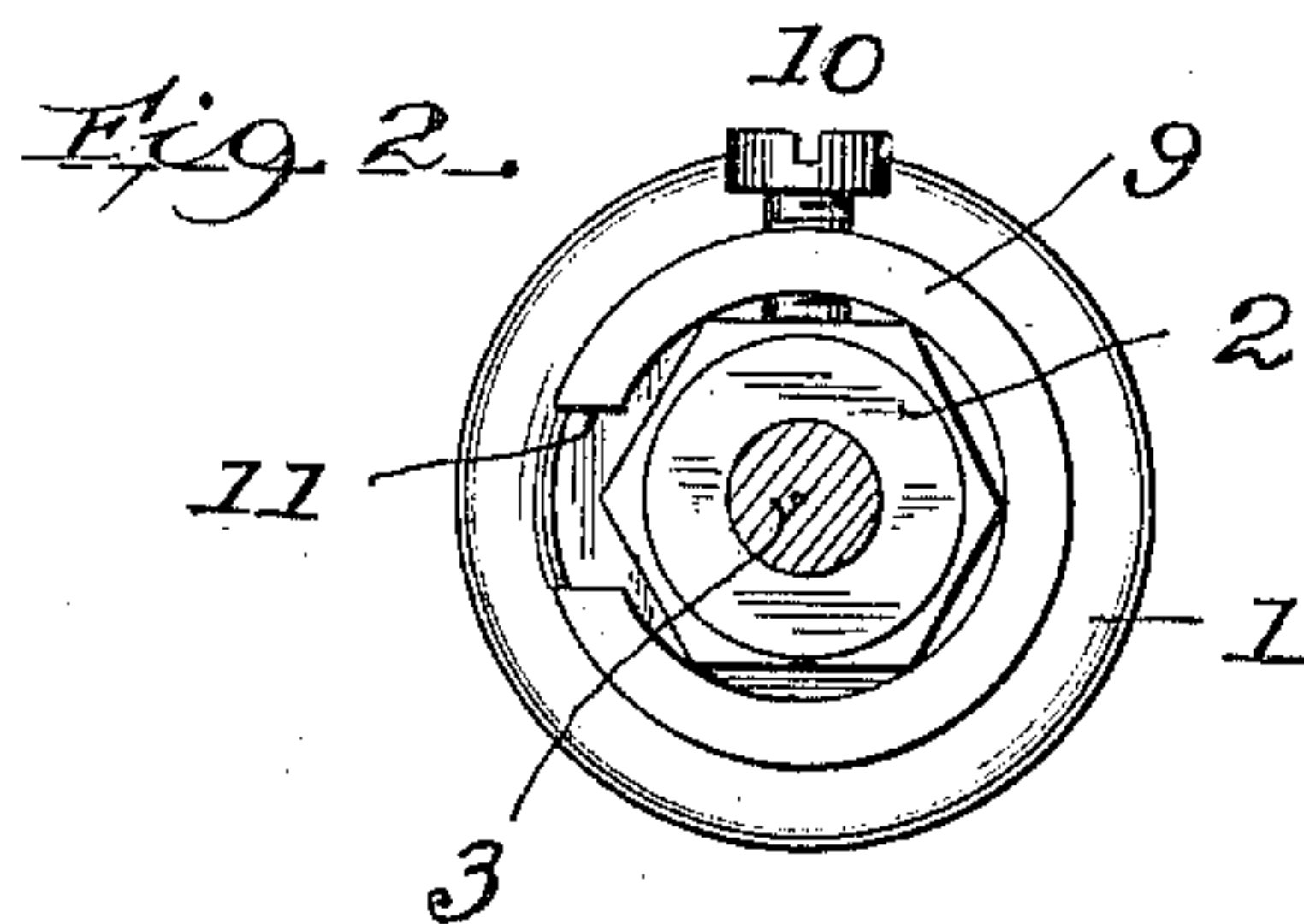
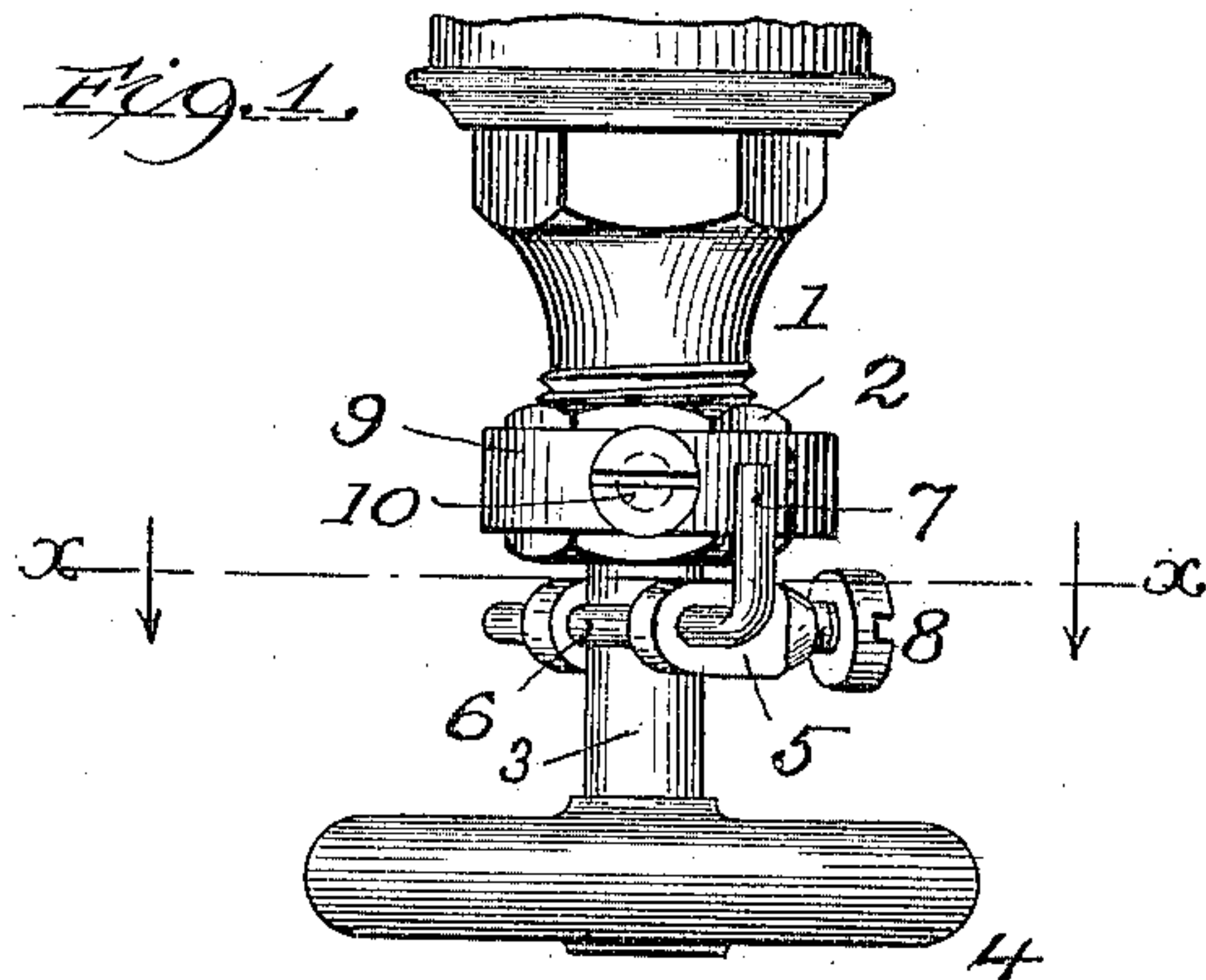
Patented Aug. 28, 1900.

J. C. BECKERLEG.

FEED ADJUSTMENT FOR LUBRICATORS.

(Application filed Sept. 5, 1899.)

(No Model.)



Attest

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UNITED STATES PATENT OFFICE.

JAMES C. BECKERLEG, OF CHICAGO, ILLINOIS.

FEED ADJUSTMENT FOR LUBRICATORS.

SPECIFICATION forming part of Letters Patent No. 656,737, dated August 28, 1900.

Application filed September 5, 1899. Serial No. 729,470. (No model.)

To all whom it may concern:

Be it known that I, JAMES C. BECKERLEG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Feed Adjustments for Lubricators, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

The present invention relates to an attachment for the controlling-valves of lubricators and like apparatus adapted to afford means for obtaining a predetermined minimum flow of fluid through the valve.

The object of the present improvement is to provide a simple, durable, and efficient attachment for such apparatus, capable of easy and convenient attachment and adjustment and which is adapted to obtain a predetermined minimum opening of the valve and a like minimum flow of the fluid after the valve has been opened for the purpose of obtaining a greater flow of such fluid or other like and ordinary purpose, all as will hereinafter more fully appear. I attain such object by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a detail side elevation of the lower portion of the controlling-valve of a lubricator or like appliance, illustrating the present invention. Figs. 2 and 3 are sections at line *x x*, Fig. 1, looking in opposite directions; Fig. 4, a detail side elevation illustrating a modified form of the stop-collar of the present invention.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the neck of the valve; 2, the gland-cap; 3, the valve-stem, and 4 the operating handle or wheel.

In the present improvement 5 is a forked or yoke-shaped clamp-piece straddling the valve-stem 3 and provided at the open ends of its fork with transverse orifices for the insertion of a cross-pin or member 6, which in the construction shown is upturned to constitute the movable stop 7 of the present in-

vention. At its closed end the yoke-piece 5 is provided with a clamping-screw 8, by which it is firmly clamped upon the valve-stem 3 in the desired position, the construction being such that ready lateral attachment or detachment of the yoke-piece can be effected without disturbing any of the valve parts, the attachment being effected by first placing the yoke-piece around the valve-stem, then introducing the cross-pin 6 in place, after which the screw 8 is turned to secure such clamp. A ready detachment is effected by a reversal of the described operations.

9 is a clamp-collar, preferably secured to the gland-cap 2 of the valve by a set-screw 10. In the present invention this collar is formed with an open side or gap 11 of a width equal to the diameter of the valve-stem 3, so as to permit of the lateral introduction of such collar around such valve-stem before it is moved upward to engage around the gland-cap and so permit the attachment of such collar in place without disturbing any of the valve parts.

In the simpler form of my present invention, as illustrated in Figs. 1, 2, and 3, the movable stop 7 of clamp-piece 5 on the valve-stem will in a turning movement of such valve-stem engage in a direct manner the set-screw 10 of the collar 9 on the gland-cap to prevent further rotation of the valve-stem. In cases where a greater range of rotation of the valve-stem is desired or where a constant use of the present improvement is not required a separate stop-bar 12, pivoted at one end in projecting lugs on the outside of the collar 9, will be employed, as illustrated in Fig. 4. As so arranged such stop-bar can be lowered to its active position, as indicated in Fig. 4, or be swung up out of such active position, so as to permit the rotation of the valve-stem and the stop 7, carried thereby, without interruption.

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

1. The combination with a controlling-valve, provided with a gland and valve-stem, of a collar secured to the gland-cap and formed with an opening in its side greater in diameter than the valve-stem and less than the

diameter of the gland, and a movable stop carried by the valve-stem, substantially as set forth.

2. The combination with a controlling-
5 valve provided with a gland and valve-stem, of a collar secured to the gland-cap and formed with an opening in its side greater in diameter than the valve-stem and less than the diameter of the gland and a movable stop
10 carried by the valve-stem the same compris-

ing an open-sided yoke-piece, a removable cross-pin closing said open side and an attaching set-screw, substantially as set forth.

In testimony whereof witness my hand this 2d day of September, 1899.

JAMES C. BECKERLEG.

In presence of—

ROBERT BURNS,

GEORGE BOHNER.