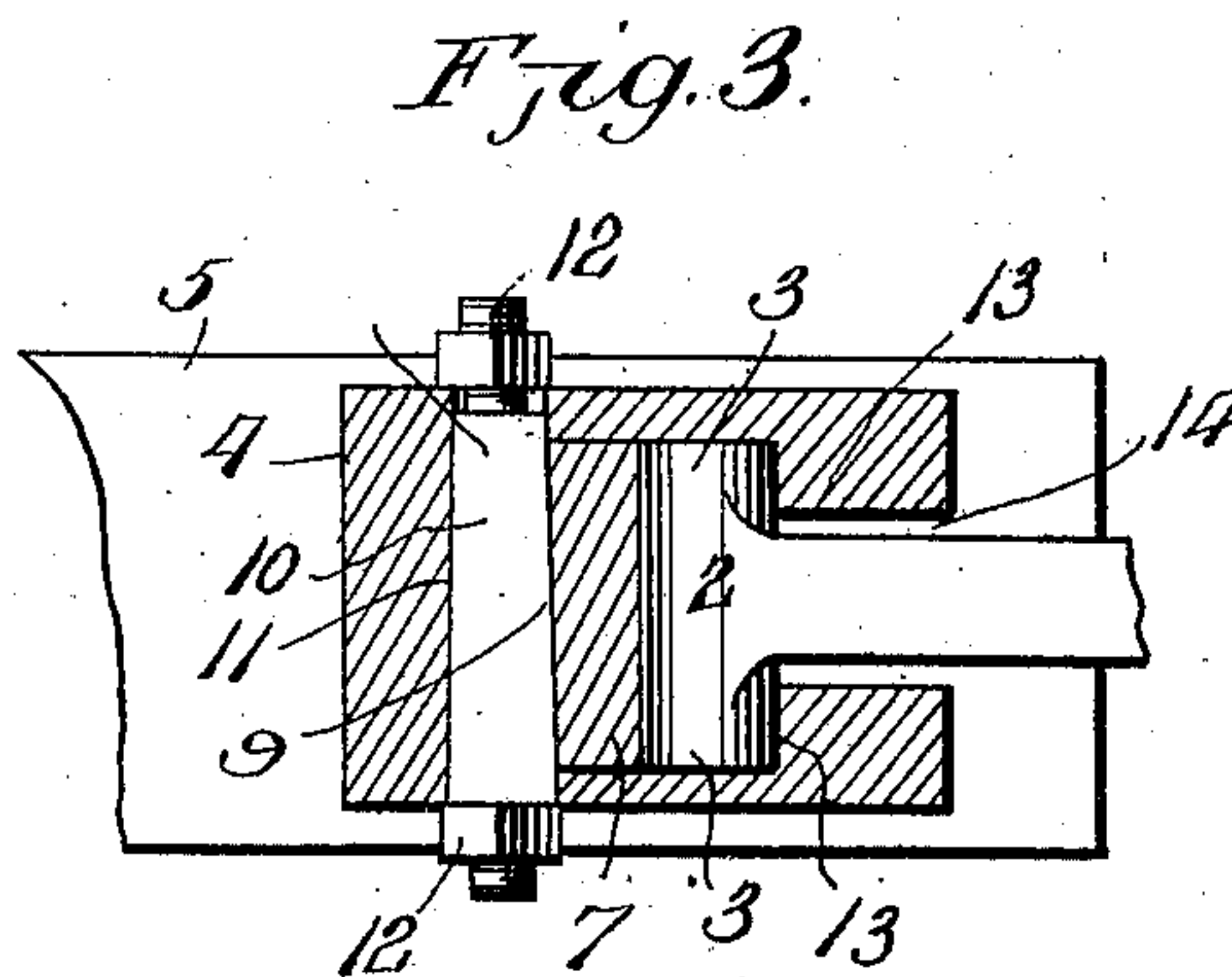
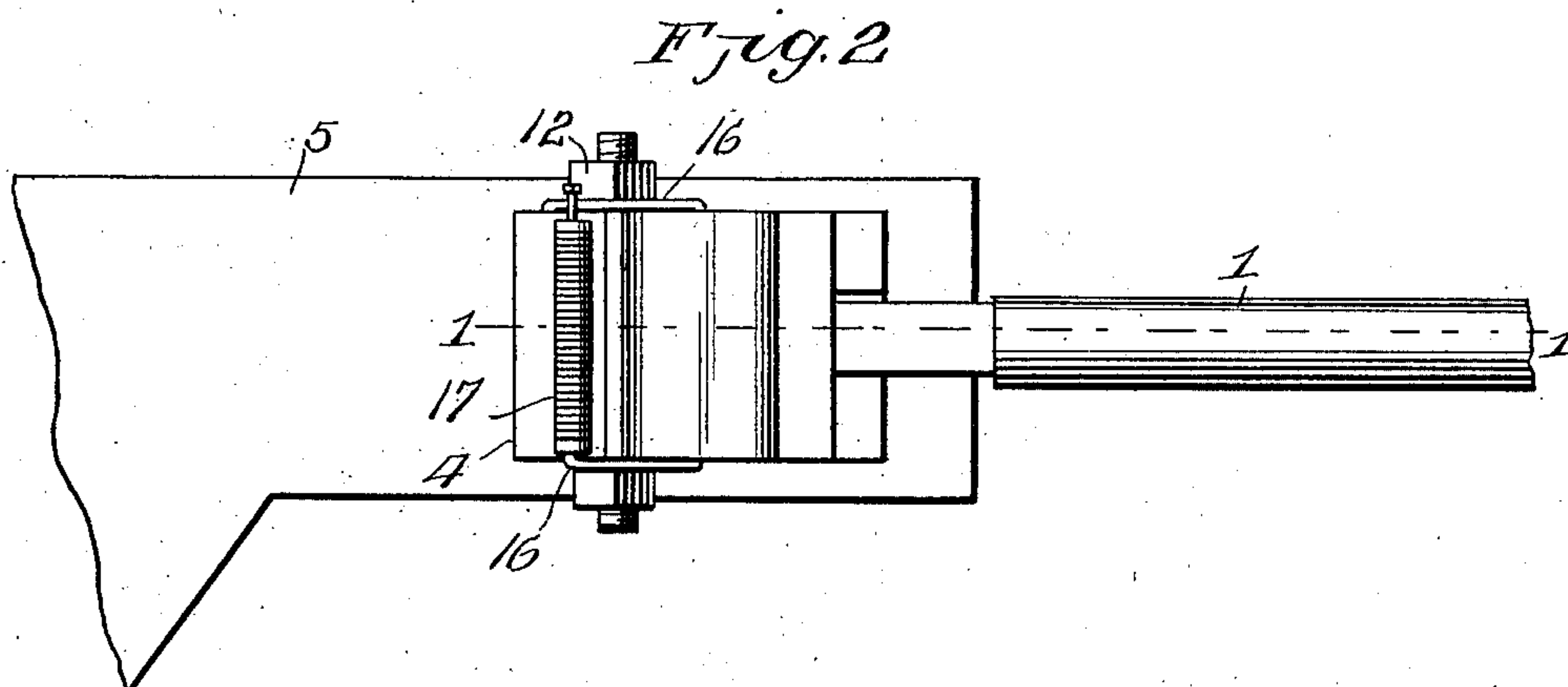
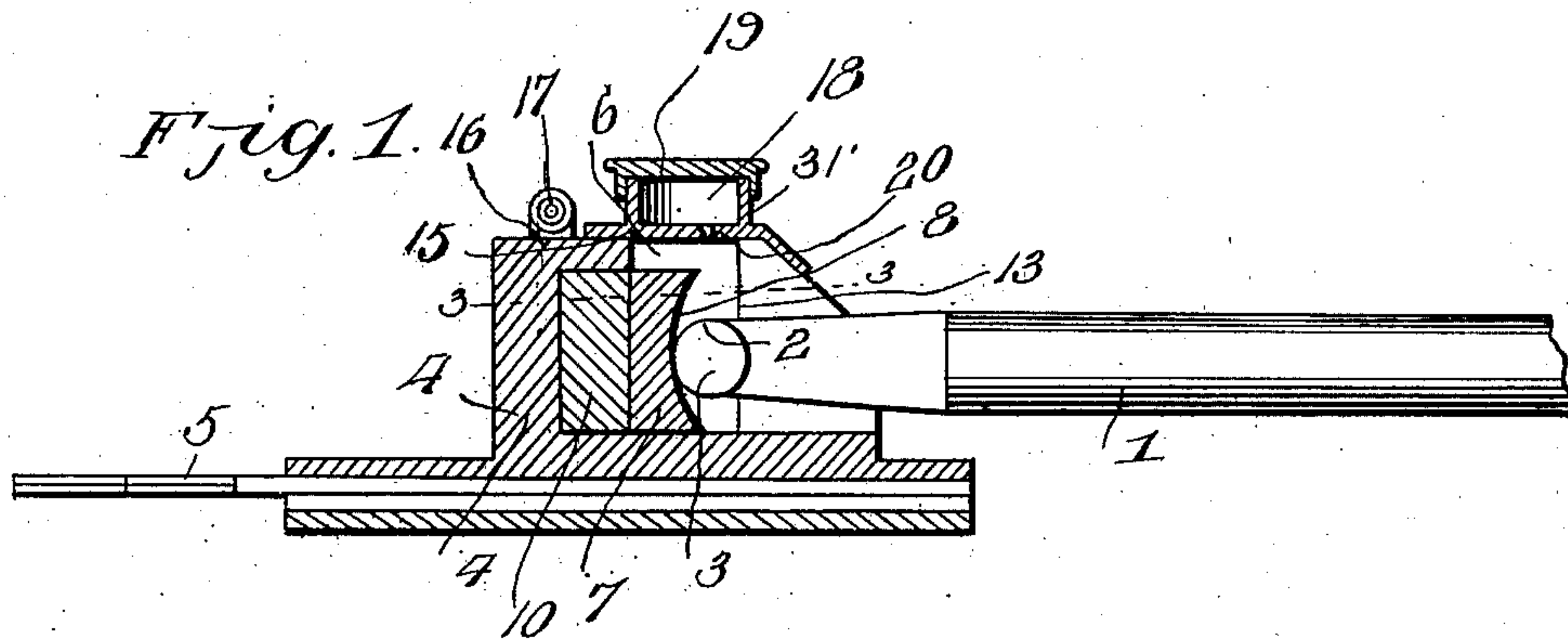


No. 840,455.

PATENTED JAN. 1, 1907.

W. H. GLASSBURN.
PITMAN CONNECTION.
APPLICATION FILED JUNE 13, 1905.



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UNITED STATES PATENT OFFICE.

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PITMAN CONNECTION.

No. 840,455.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed June 13, 1905. Serial No. 265,034.

To all whom it may concern:

Be it known that I, WILLIAM H. GLASSBURN, a citizen of the United States of America, residing at Glenwood, in the county of Mills and State of Iowa, have invented new and useful Improvements in Pitman Connections, of which the following is a specification.

This invention relates to pitman connections designed especially for connecting the sickle-operating pitmen of harvesting-machines, and has for its objects to produce a comparatively simple inexpensive device of this character by which looseness and rattling of the parts will be wholly obviated, one wherein the parts may be readily adjusted to compensate for wear upon the pitman head and bearings, and one in which the pitman may be quickly disconnected when circumstances require.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation, partly in section, of a device embodying the invention, the section being taken on the line 1 1 of Fig. 2. Fig. 2 is a top plan view of the device. Fig. 3 is a horizontal section taken on the line 3 3 of Fig. 1.

Referring to the drawings, 1 designates a pitman provided at one end with a T-head 2, presenting bearing-trunnions 3, the head 2 being arranged in a hollow box or casing 4, connected in any suitable manner to the forward end of a sickle-bar 5 and having an opening 6 through which the head is entered.

Movably disposed in the box or casing 4 is a bearing member or block 7, having a curved bearing-face 8, presented toward the head 2, and an oppositely-disposed beveled or inclined face 9, engaged by the similarly beveled or inclined face of an adjusting member or wedge 10 entered through a transverse opening 11 provided in the box, there being tapped onto the ends of the wedge 10 adjusting-nuts 12. The trunnions 3 bear at their side faces opposite the member 7 on bearing portions or lugs 13 provided in the box, which latter is provided at its forward end with a slot 14 to receive and permit free movement of the pitman 1.

Arranged upon the box 4 for closing the opening 6 is a cover 15, secured to the casing by suitable hinges 16 and normally pressed to closed position through the medium of a spring 17, there being formed on the cover an oil-cup 18, provided with a removable cap 19 and with a discharge-opening 20, through which the lubricant is delivered directly onto the head 2.

In practice during the operation of the pitman the head 2 will move smoothly and freely within the casing 4, looseness and rattling being prevented by the bearing-block 7, which may obviously be adjusted by means of the wedge 10 to compensate for wear of the parts and obviate lost motion. It will be observed that lubricant will be delivered from the cup 18 directly onto the bearing-head 2, thus minimizing friction on the latter and materially reducing wear on said parts, while the cover 15, which is normally maintained in closed position under the action of spring 17, may be readily opened to permit disconnection of the pitman-head 2 from engagement with the box 4.

Having thus described my invention, what I claim is—

In a device of the class described, a bearing-box designed for connection with the sickle-bar and having an entrance-opening, a pitman provided with a T-head designed for entrance through said opening into the box, bearing-shoulders formed in the latter and on which the head bears at one side, a movable bearing-block arranged in the box and having a curved bearing-surface disposed for contact with the side of the head opposite the bearing-shoulders, said block being provided opposite its curved bearing-face with an inclined face, an adjusting-key extended through the box and having an inclined face arranged to bear on the correspondingly-inclined face of the bearing-block, and means for moving the adjusting member to set up the bearing-block and compensate for wear between the same and head.

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

WILLIAM H. GLASSBURN.

Witnesses:

ANDREW J. GLASSBURN,
HENRY BANISTER.