

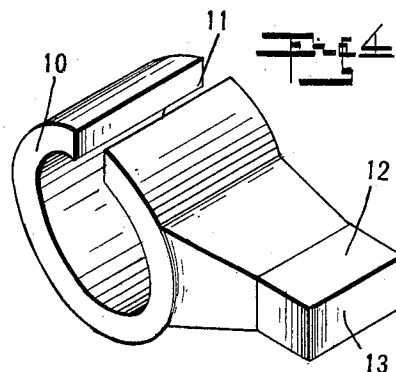
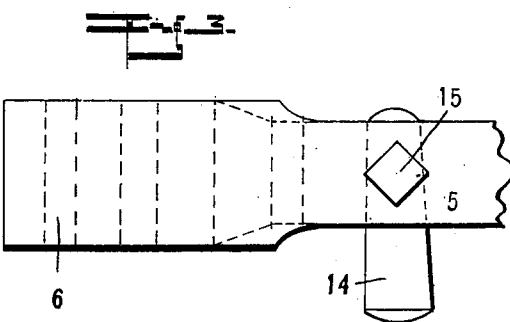
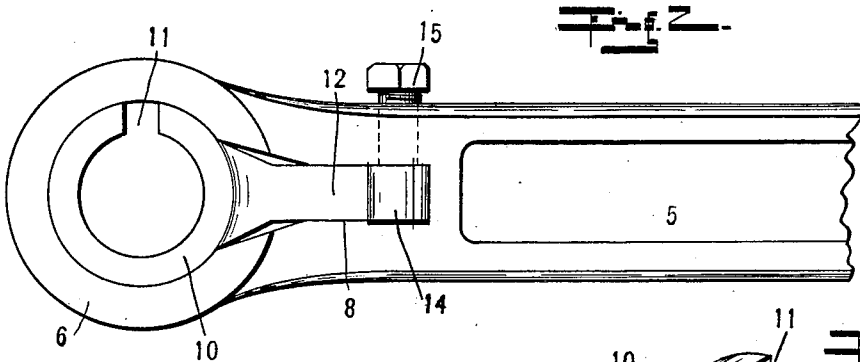
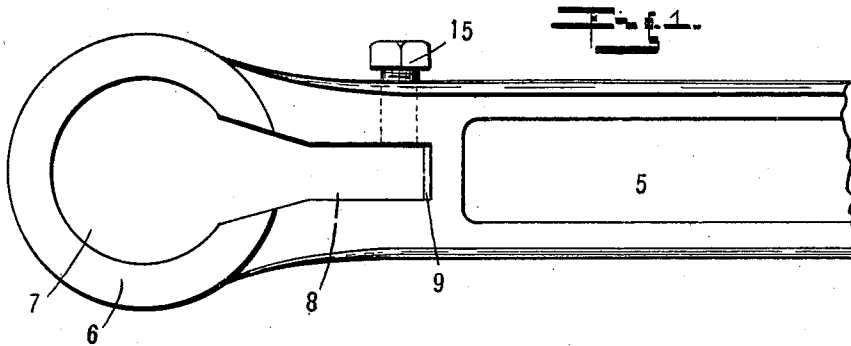
No. 674,625.

Patented May 21, 1901.

H. C. CLAY.
CONNECTING ROD.

(Application filed Feb. 25, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

HARRY C. CLAY, OF COLUMBUS, INDIANA, ASSIGNOR TO REEVES & COMPANY, OF SAME PLACE.

CONNECTING-ROD.

SPECIFICATION forming part of Letters Patent No. 674,625, dated May 21, 1901.

Application filed February 25, 1901. Serial No. 48,706. (No model.)

To all whom it may concern:

Be it known that I, HARRY C. CLAY, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Connecting-Rod, of which the following is a specification.

My invention relates to an improved form of bearing and adjusting means for the end of a connecting-rod, being especially designed for the cross-head end of a connecting-rod to be used in connection with the cross-head described and claimed in my application Serial No. 48,707.

The object of my invention is to so construct the bearing and the support therefor in the rod that the device may be produced at minimum cost and the bearings, although adjustable, may be made of a single piece.

The accompanying drawings illustrate my invention.

Figure 1 is a side elevation of one end of my improved connecting-rod. Fig. 2 is a similar view with the bearing-bushing in position. Fig. 3 is a plan. Fig. 4 is a perspective of the bearing-bushing.

In the drawings, 5 indicates a connecting-rod of any suitable material and provided at one end with a head 6, having a substantially circular opening 7, said opening being conveniently formed by drilling. Leading into opening 7 and extending therefrom, preferably radially, is a slot 8, the rear wall 9 of which is slightly inclined toward the axis of the bore 7. The bearing-bushing is composed of a tough-wearing metal, such as brass or phosphor-bronze, and consists of an annulus 10, which is cut entirely across at 11 parallel with the axis. Formed integral with the annulus 10 and projecting radially therefrom is a tongue 12, which is shaped so as to fit snugly within slot 8, the outer end 13 of said lug being parallel with the axis of the annulus 10. Placed between the end 13 of lug 12 and wall 9 of slot 8 is a tapered key 14, which may be

held in any desired transverse position by means of a set-screw 15, threaded into rod 5 and projecting into slot 8.

The construction as designed is intended for use in connection with a cross-head having a pair of ears between which the portion 6 of the rod lies, thus holding the bearing-bushing in transverse position. Any other desirable means may be used, however, to accomplish this purpose.

By the construction described a very cheap but efficient bearing may be formed in the end of a connecting-rod, and this bearing may be adjusted for wear by shifting the wedge 14, said wedge operating to drive the lug 12 forward through slot 8, so as to force the ends of the incomplete annulus 10 together, and thus diminish the internal diameter thereof. The bushing may be cast in a single piece and first brought to the desired internal diameter and then split at the point 11.

I claim as my invention—

1. A connecting-rod having a transverse opening and a slot extending therefrom, a split annulus fitted in said opening and having a tongue extending therefrom into said slot, and means for shifting said tongue in said slot.

2. A connecting-rod having a substantially circular transverse opening and a radial slot extending therefrom, a split annulus mounted in said opening and having a radial tongue extending therefrom into said slot, and means for shifting said tongue in said slot.

3. A connecting-rod having a circular transverse opening and a radial slot extending therefrom, a split annulus mounted in said opening and having a radial tongue extending therefrom into said slot, a wedge mounted in the slot behind the tongue and a set-screw for holding said wedge in adjusted position.

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Witnesses:

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