

No. 855,003.

PATENTED MAY 28, 1907.

J. P. HENRY.

WEDGE ADJUSTING DEVICE FOR CONNECTING ROD HEADS.

APPLICATION FILED DEC. 22, 1906.

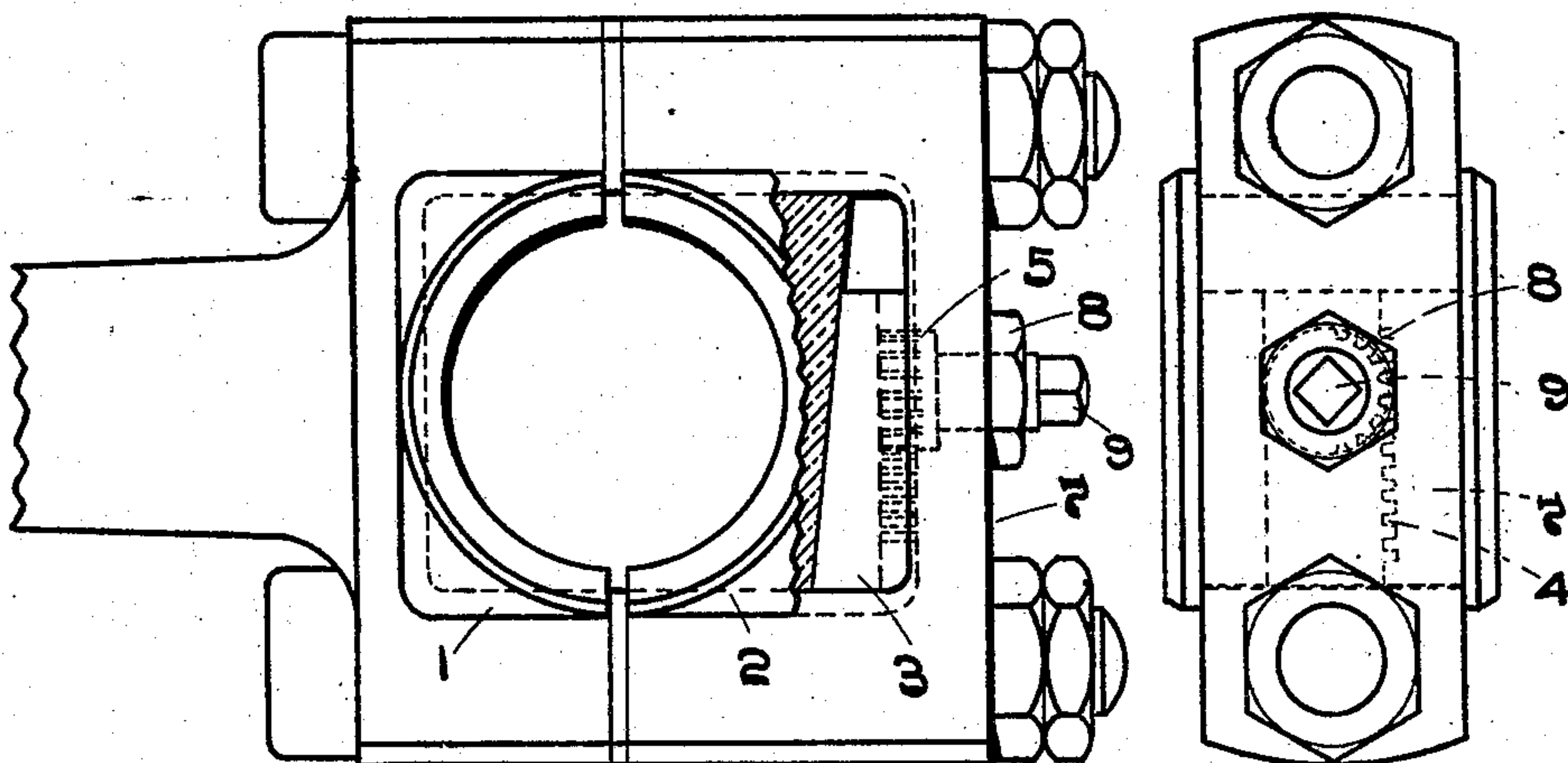


FIG. 1.

FIG. 2.

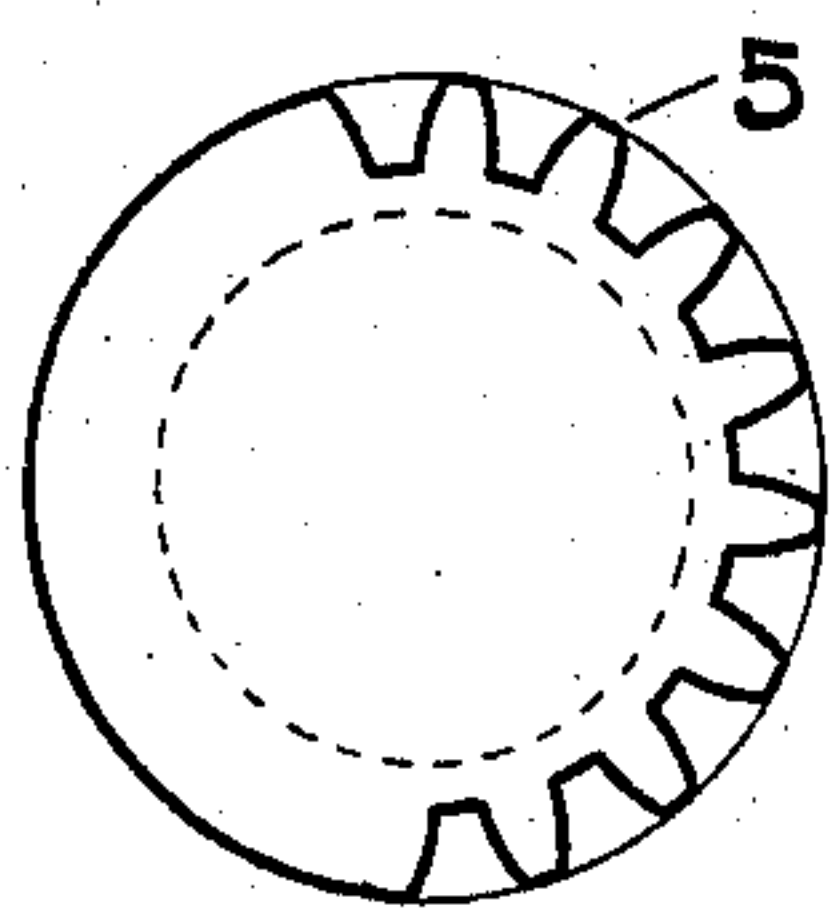


FIG. 3.

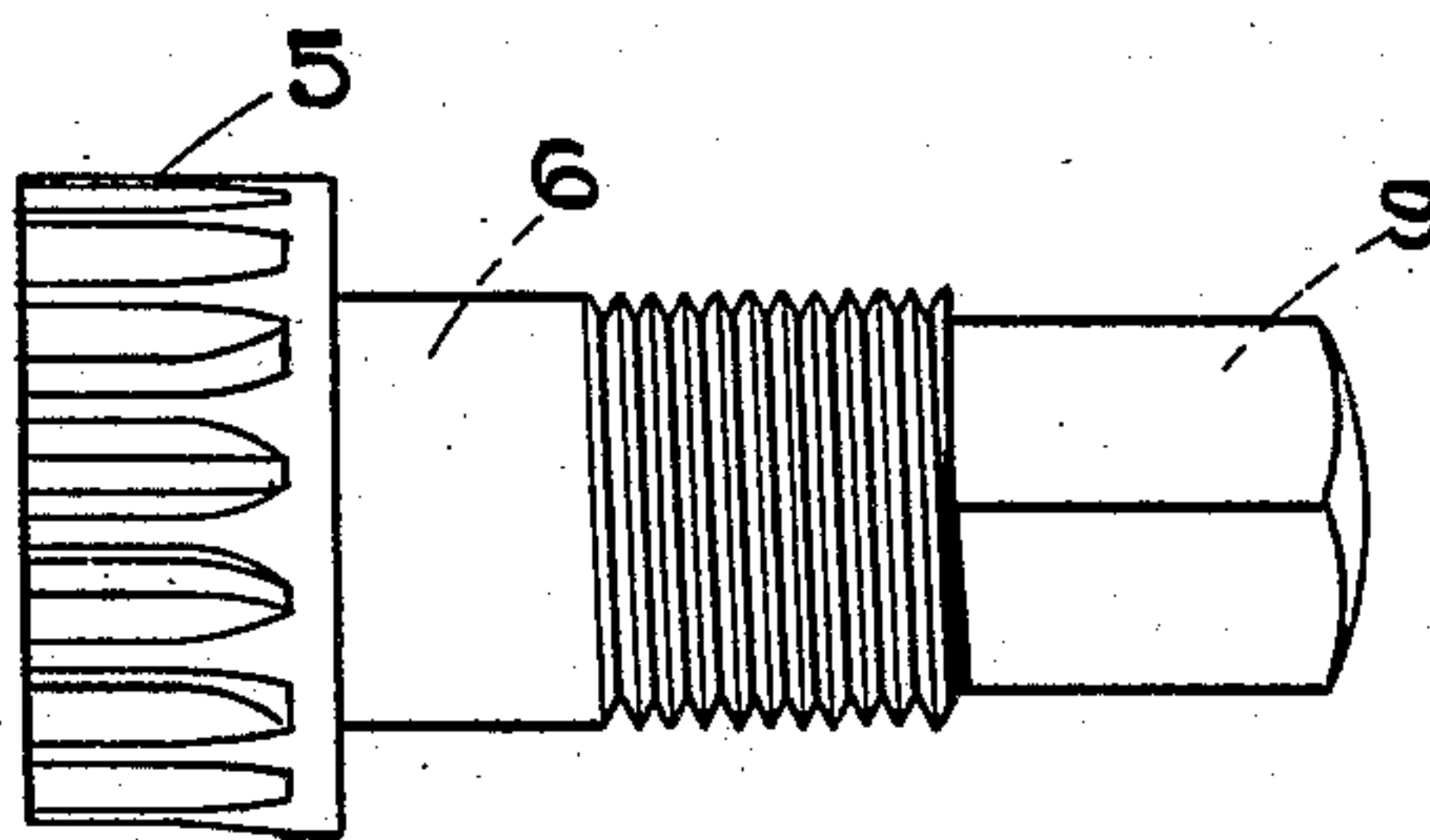


FIG. 4.

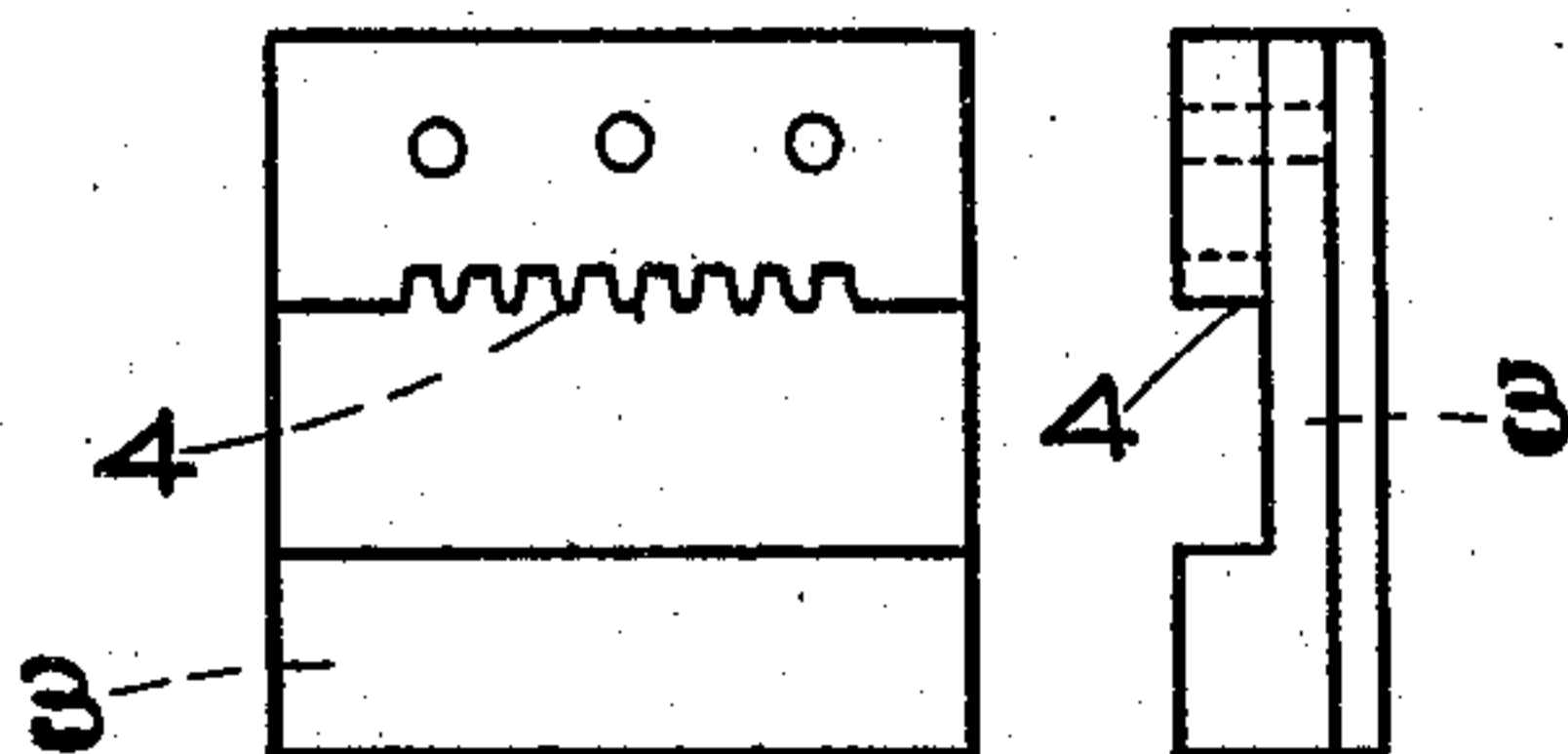


FIG. 5.

FIG. 6.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN P. HENRY, OF FRANKLIN, PENNSYLVANIA.

WEDGE-ADJUSTING DEVICE FOR CONNECTING-ROD HEADS.

No. 855,003.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed December 22, 1906. Serial No. 349,088.

To all whom it may concern:

Be it known that I, JOHN P. HENRY, a citizen of the United States, residing at Franklin, in the county of Venango and State of Pennsylvania, have invented certain new and useful Improvements in Wedge-Adjusting Devices for Connecting-Rod Heads, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in wedge-adjusting devices for connecting-rod heads, the object, construction and operation of which is herein fully set forth, reference being had to the accompanying drawings which form a part hereof and in which:

Figure 1 is a side elevation of a connecting-rod head embodying my improvements,—a portion of the front or outer brass being broken away to expose the wedge to view. Fig. 2 is an end elevation of the same. Figs. 3, 4, 5 and 6 are details.

The same figures indicate identical parts in the several views.

The object of my invention is to provide a cheap, efficient and easily manipulated wedge-adjusting device for connecting-rod heads, the construction of which is substantially as follows:—

By an inspection of the drawings,—especially Fig. 1—it will be noted that, in general appearance and construction, a connecting-rod head embodying my improvements, does not depart materially from those in common use, except in the means for adjusting the wedge, and that of securing said adjustment; the brasses 1 and 2 are of a form commonly used.

My improvement consists in forming in the front face of the wedge 3 (the face opposite to the beveled face) a vertically-disposed groove, the wall upon one side of said groove being formed into a rack 4. In said groove is seated a pinion 5,—Figs. 3 and 4—which meshes with the teeth of the rack in said wedge 3. Pinion 5 is provided with an arbor or stem 6 which passes revolubly through the front strap or outer wall 7 of the housing for the brasses, the projecting end of said stem

being screw-threaded for the reception of a lock-nut 8. The extremity of said stem is formed into a suitable tang 9 to facilitate turning the same. The inner face of the front strap or wall 7 is preferably counter-bored as a seat for a portion of pinion 6. When the wedge 3 is to be adjusted, the lock-nut 8 is released or loosened, pinion 5 is turned by means of its stem 6, and the wedge 3 is thus raised or lowered as required, and when the proper adjustment is secured, nut 8 is tightened, which locks pinion 5 in position and the adjustment is thus firmly secured and maintained until said nut 8 is again manually released for the purposes of re-adjustment.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. In a wedge-adjusting device for connecting-rod heads, the combination with the brasses in said head, one of which brasses is suitably beveled, of a wedge having a rack formed therein, and a pinion revolubly mounted in said head adapted to mesh with said rack for the purpose set forth, there being means on said pinion whereby it may be revolved, and means for locking the same.

2. In a wedge-adjusting device for connecting-rod heads, the combination with the brass-retaining strap or housing, of a front or outside brass, beveled upon its outer face, a wedge positioned between and bearing against the front wall of said strap or housing and the beveled face of said brass, there being a vertically-disposed slot in the outer face of said wedge and a rack located at one side of said slot, a pinion seated in said slot and meshing with said rack there being a stem upon said pinion, extending revolubly through said front wall of said housing, for revolving said pinion, and means for locking the same.

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

JOHN P. HENRY.

Witnesses:

R. C. McMULLEN,
JOHN CLAIR.