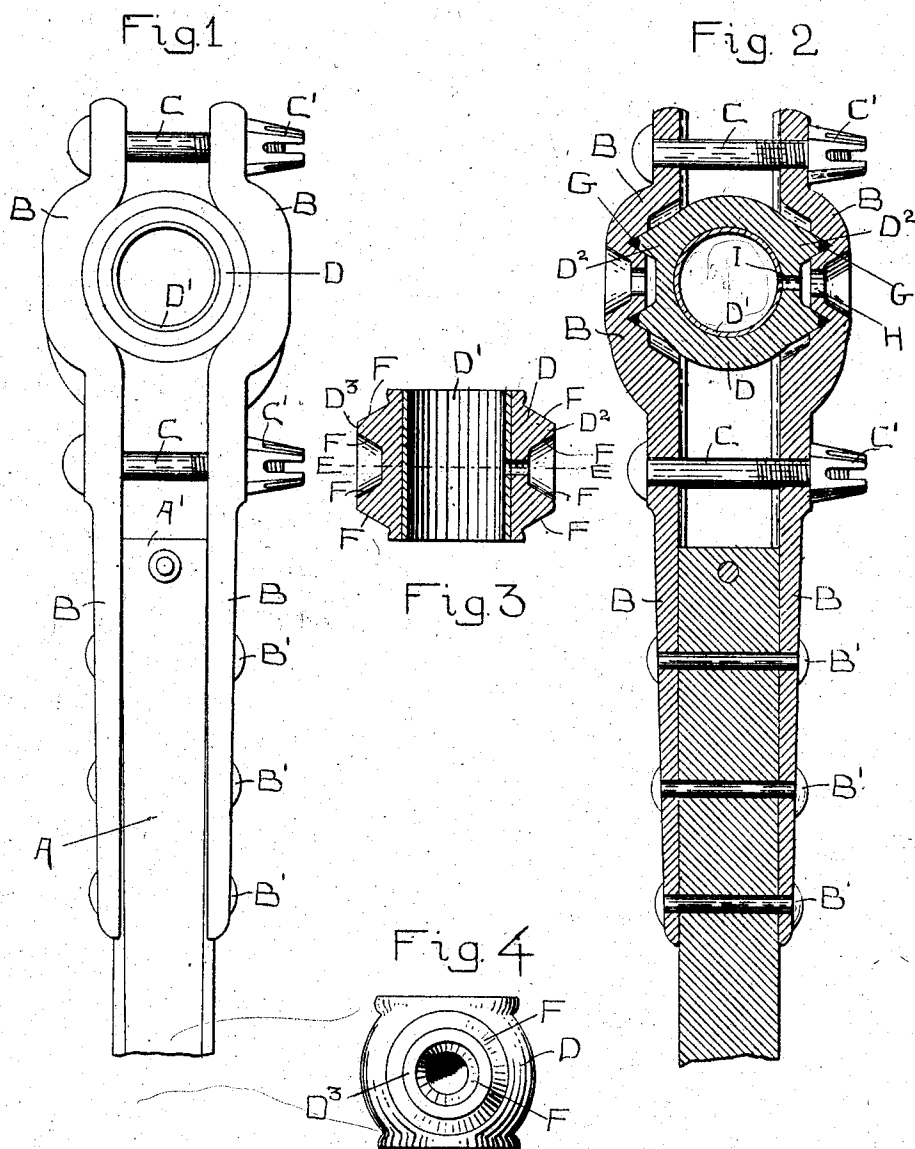


No. 796,130.

PATENTED AUG. 1, 1905.

J. B. LAVENE.  
PITMAN ROD CONNECTION.  
APPLICATION FILED MAR. 24, 1904.



Witnesses

Roy D. Tolman.

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# UNITED STATES PATENT OFFICE.

JOHN B. LAVENE, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO  
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## PITMAN-ROD CONNECTION.

No. 796,130.

Specification of Letters Patent.

Patented Aug. 1, 1905.

Application filed March 24, 1904. Serial No. 199,714.

*To all whom it may concern:*

Be it known that I, JOHN B. LAVENE, a citizen of the United States, residing at Worcester, in the county of Worcester and Commonwealth of Massachusetts, have invented a new and useful Improvement in Pitman-Rod Connections, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 is a side view of a pitman-rod connection embodying my invention. Fig. 2 is a central sectional view. Fig. 3 is a detached central sectional view of the journal-box; and Fig. 4 is an elevation of the journal-box, showing one of the annular bearings by which it is swiveled to the straps of the pitman-rod.

Similar reference-letters refer to similar parts in the different views.

Fig. 1 represents a side view of one end of a pitman-rod of a harvesting-machine to which my invention is specially adapted, and it comprises a bar A, preferably of wood, and straps B B, attached thereto by bolts B', said straps projecting beyond the end A' of the bar A, with the projecting ends adapted to be clamped together by clamping-bolts C and nuts C', so as to pinch the journal-box D. The box D consists of a cast-metal block provided with an antifriction-lining D'. The box D is provided on diametrically opposite sides with annular bearing-ribs D<sup>2</sup> D<sup>3</sup>, each concentric with a common axis (indicated by the broken line E, Fig. 3) and at right angles to the axis of the journal-box. The annular bearing-ribs D<sup>2</sup> D<sup>3</sup> are provided with beveled or V-shaped surfaces F F, which are inserted in annular V-shaped grooves G in the straps B B, so that

the box D is capable of a slight rocking motion about the axis E, Fig. 3, the annular ribs D<sup>2</sup> D<sup>3</sup> turning in the V-shaped grooves G, forming a swiveled bearing for the journal-box D, which may be accurately adjusted as wear takes place by tightening the clamping-nuts C' C' and bringing the ends of the straps B B closer together. An opening H is formed through one of the straps B in alinement with an oil-hole I in the box D.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a pitman, the combination with a pitman-box, of a pair of inclosing straps attached to the pitman-rod having annular V-shaped grooves on the inner side of said straps, there being annular beveled bearings on said box fitting said grooves.

2. In a pitman, the combination with a pair of clamping-straps provided with annular V-shaped grooves, of a journal-box provided with beveled annular ribs on opposite sides of said box and concentric with an axis at right angles to the axis of said box, and adapted to enter said V-shaped grooves, and means for clamping said straps against said box.

3. In a pitman, the combination of a journal-box having annular ribs on opposite sides of said box with their axes at right angles to the axis of said box, and a pair of straps attached to the pitman-rod provided with annular grooves adapted to receive said ribs.

Dated this 22d day of March, 1904.

JOHN B. LAVENE.

Witnesses:

PENELOPE COMBERBACH,  
RUFUS B. FOWLER.