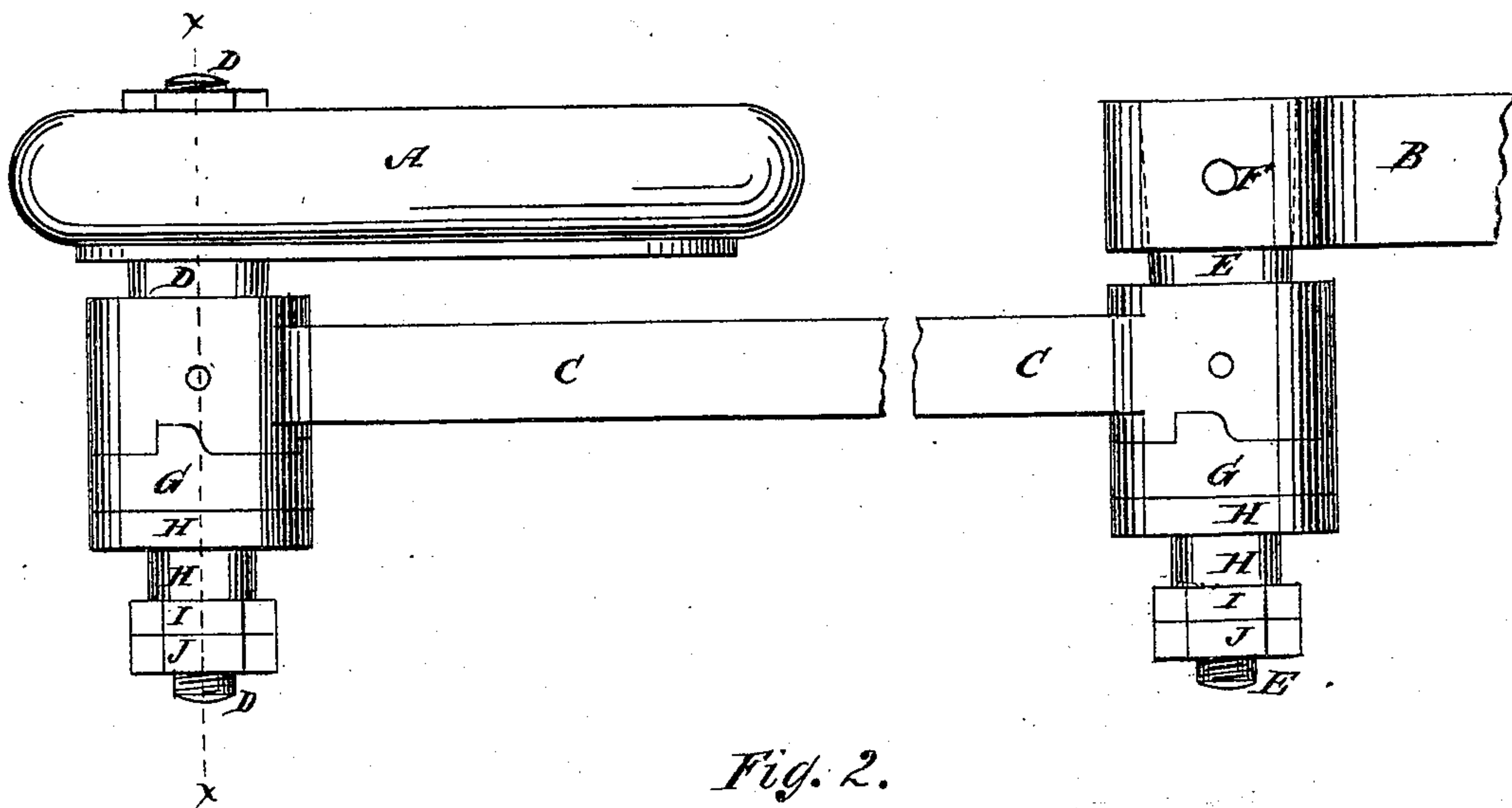


G. L. JONES.  
Pitmen.

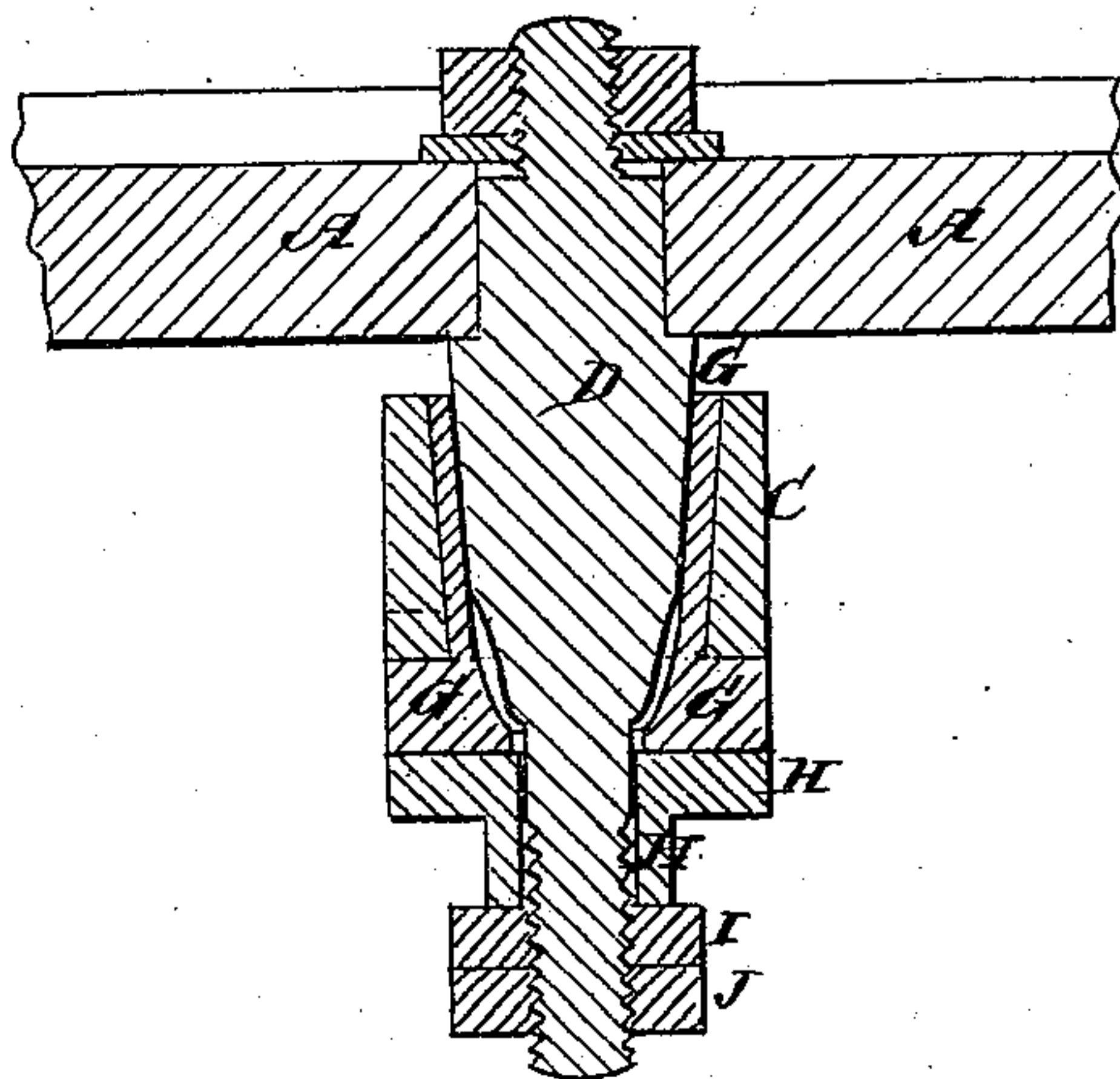
No. 148,369.

Patented March 10, 1874.

*Fig. 1.*



*Fig. 2.*



Witnesses:

*E. Wolff*  
*Bedgwick*

Inventor:

*G. L. Jones*

Per

*Wm. L.*

Attorneys.

# UNITED STATES PATENT OFFICE.

GEORGE L. JONES, OF VANVILLE, WISCONSIN.

## IMPROVEMENT IN PITMEN.

Specification forming part of Letters Patent No. **148,369**, dated March 10, 1874; application filed October 4, 1873.

*To all whom it may concern:*

Be it known that I, GEORGE L. JONES, of Vanville, in the county of Chippewa and State of Wisconsin, have invented a new and useful Improvement in Pitman-Connection for Sickle-Bars, of which the following is a specification:

Figure 1 is a top view of my improved connection. Fig. 2 is a detail section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention will first be fully described, and then pointed out in the claim.

A represents the crank-wheel. C represents the pitman, and B the cutter-bar, of a reaper. D is the crank-pin of the wheel A, the inner end of which is passed through a hole in said wheel, and is secured by a nut. E is the crank-pin of the cutter-bar, the inner end of which is fitted into an eye in the end of the cutter-bar B, and is secured in place by a pin, F. By this construction, the pins D E, when worn, can be readily detached and replaced with new ones. The pins D E are made with a slightly tapering or conical bearing-surface, with an inclined shoulder, a six-sided portion, and a screw-thread, as shown in Fig. 2. In each end of the pitman C is formed an eye, the cavity of which is made tapering, and is provided with a detachable collar and bushing, G, of anti-friction metal, which also cov-

ers the end of the pitman-eye, and has lugs formed upon it to enter notches in the outer end of said pitman-eye, and thus prevent the said bushing from turning. H is a washer, the hole through which is six-sided, or with as many angles as the polygonal part of the said pins, so as to be kept from being turned by friction. The washer H is made with a tubular projection upon its outer side, which covers the inner part of the screw-thread, and against which the nut I rests. By this construction, the washer H and the eye of the pitman C can be forced farther upon the pins D E, to take up the wear, by screwing up the nut I. The nut I is secured by a jam-nut, J. The parts D E G H I J are all made to a fixed pattern, so that should they, or any of them, break or become worn, they may be readily replaced without its being necessary to take the machine to the shop for repairs.

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

A pitman, C, having a side-notched eye at each end, and a collar-bushing, G, combined with a pin secured at both ends by a nut, as and for the purpose set forth.

GEORGE L. JONES.

Witnesses:

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