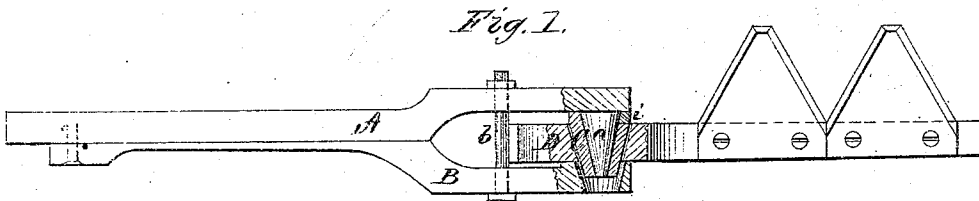


A. NEER.

Improvement in Pitman Connections.

No. 123,285.

Patented Jan. 30, 1872.



Witnesses

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UNITED STATES PATENT OFFICE.

ADAM NEER, OF BELLEFONTAINE, OHIO.

IMPROVEMENT IN PITMAN-CONNECTIONS.

Specification forming part of Letters Patent No. 123,285, dated January 30, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, ADAM NEER, of Bellefontaine, in the county of Logan and State of Ohio, have invented certain new and useful Improvements in Pitman-Connections for Reapers and Mowers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a pitman-connection for reapers and mowers, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of the outer end of a pitman and inner end of the knife, with the joint or connection in section; and Fig. 2 is an end view of the joint or connection, the knife being removed.

A represents the outer end of the pitman-shaft, to which is riveted a spring, B, the shaft and spring forming together a fork, as shown in Fig. 1. On the inner side of the extreme end of the pitman-shaft A is a conical pin, *a*, over which is placed a thimble, C, of corresponding shape. The knife-heel D, having a tapering or conical hole through it, is placed on the thimble C, and the extreme end of the spring B fits over the end of the thimble on the opposite side of the knife-heel from the pitman-shaft. A bolt, *b*, passes through the pitman-shaft A and spring B, clamping the two together, and also

pressing the pin and thimble into the eye of the knife-heel. A portion of the thimble C, at the base, is straight on the outside, while the balance is made beveling or conical. The object of thus leaving a part of the thimble beveling is that, as the beveling part of the thimble wears off, the straight part fills up the eye of the knife-heel, and by tightening the bolt *b* all the lost motion is taken up. The thimble may be made of brass, iron, or other suitable material, and is prevented from turning on the pin *a* by means of a small lug, *i*, at the base of the same entering a notch in the edge of the thimble. By this arrangement the pitman-hook or pin *a* may easily be supplied with a new thimble as the old one wears out.

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

1. The thimble C, made straight on the outside at the base, and the balance beveling or conical, substantially as and for the purposes herein set forth.

2. The lug *i* at the base of the conical pin *a*, in combination with the notch in the end of the thimble C, substantially as and for the purposes herein set forth.

3. The combination of the pitman-shaft A, spring B, bolt *b*, pin *a*, thimble C, and knife-heel D, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ADAM NEER.

Witnesses:

LEWIS TAYLOR,
M. H. JONES.