

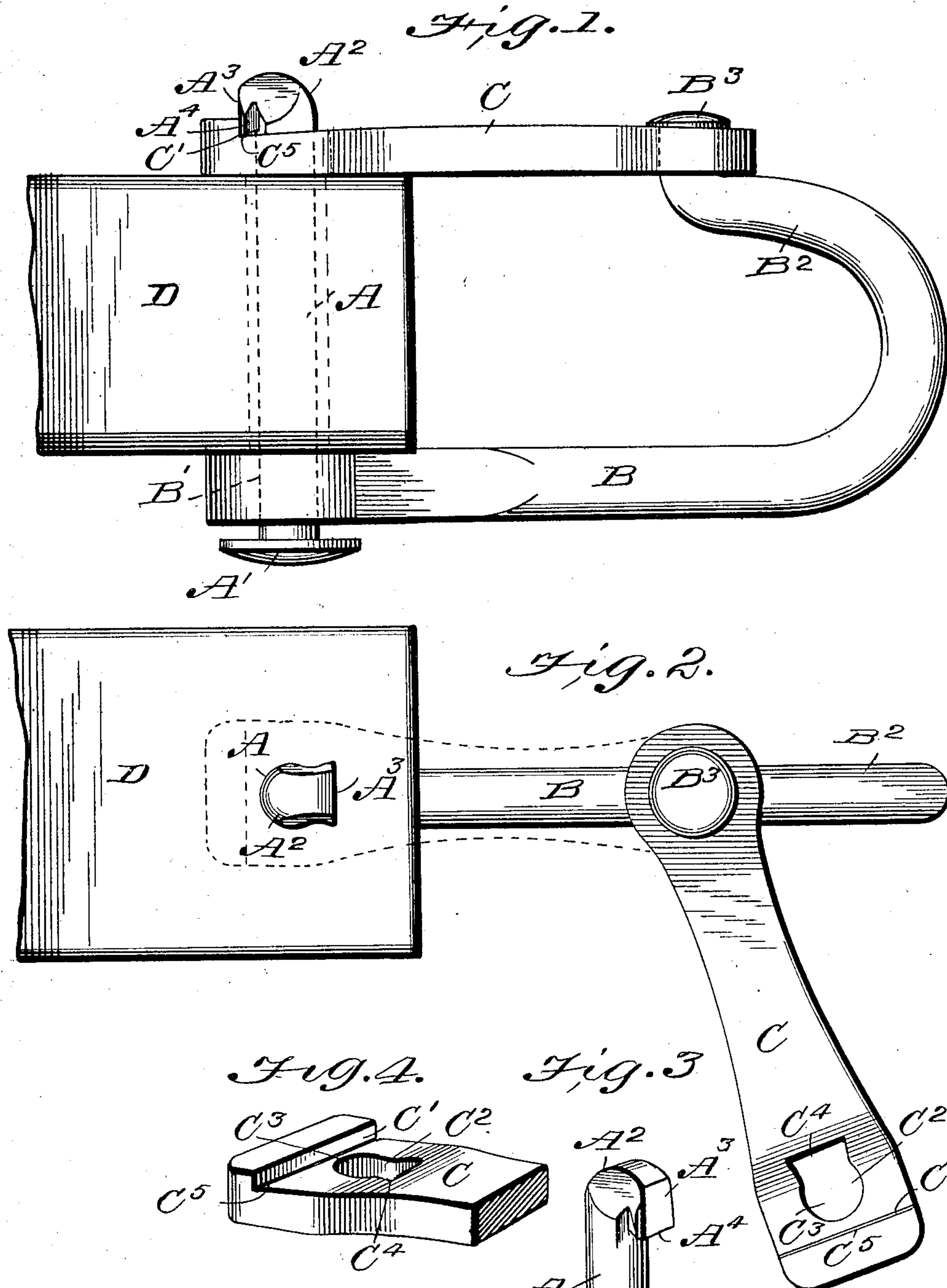
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L. K. McCLELLAN.

CLEVIS.

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WITNESSES
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LEWIS K. McCLELLAN, OF BILLINGS, MONTANA.

CLEVIS.

No. 882,476.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LEWIS K. McCLELLAN, a citizen of the United States, and a resident of Billings, in the county of Yellowstone and State of Montana, have invented certain new and useful Improvements in Clevises, of which the following is a specification.

My invention is an improvement in clevises, and consists in certain novel constructions and combinations of parts hereinafter described and claimed.

In the drawing Figure 1 is a side view of my invention applied to a fragment of a beam, the latch bar and bolt being shown interlocked. Fig. 2 is a top plan view with the bolt reversed and the latch bar released and swung to one side. Fig. 3 is a detail perspective view of the point end of the bolt. Fig. 4 is a detail perspective view of the swinging end of the latch bar, all of which will be described.

The clevis, as shown, comprises the bolt A, the main clevis bar B and the latch bar C. The bolt A extends in practice through the beam D, is headed at one end A' and has its point A² formed with a lateral wing A³ whose outer edge A⁴ is squared to abut the shoulder C' on the outer face of the latch bar C and at the outer edge of the opening C² in said bar with respect to the pivot of said latch bar C, as shown in Figs. 2 and 4 of the drawing. The opening C² in the latch bar near its swinging edge has a circular portion C³, and the lateral wing C⁴ conforming to the wing A⁴ of the bolt and on the opposite side of the opening C² from the shoulder A⁴, as shown. The main clevis bar B has near one end an opening B' for the bolt A, is upturned at its other end B² and is provided with a stud B³ on which is pivoted the latch bar C so the said bar can be swung on its pivot B³ to bring its opening C² into and out of register with the bolt.

It will be noticed that the under face of the lateral wing A⁴ of the latch bar is slightly undercut and the outer surface of the latch bar C immediately adjacent to the face of the shoulder C' is slightly depressed at C⁵ to coincide with the lower edge of the wing A⁴ when the parts are in position shown in Fig. 1 of the drawing.

To release the swinging latch bar from position shown in Fig. 1, it is only necessary to push the bolt up until the wing A⁴ can swing above the shoulder C', when the bolt can be reversed to the position shown in Fig.

2, and dropped through the latch bar, and the latter swung laterally to permit the application or removal of draft devices as may be desired.

Manifestly, the clevises may be of different sizes according to the purpose for which they are designed.

I claim—

1. The clevis herein described consisting of the main bar having an upturned end and provided at the extremity thereof with a pivot stud and having at its opposite end an opening for a bolt, a bolt passed through said opening and having a head at one end and having at its other or point end a lateral wing whose under side is undercut and a latch pivoted at one end on the stud of the main clevis bar whereby it may be swung laterally and having near its swinging end an opening for the bolt, such opening having a lateral wing at one side conforming to the wing of the bolt and having at the side of the opening opposite said wing a shoulder for engagement by the wing of the bolt, the said wing of the bolt being undercut at its lower end and the outer face of the swinging bar adjacent to the shoulder thereof being depressed to coincide with the undercut end of the wing of the bolt, substantially as and for the purpose set forth.

2. A clevis comprising a main bar, a latch bar having a swinging connection with the main bar, and a bolt pivoting in the main bar and interlocking with the latch bar, substantially as set forth.

3. The combination in a clevis of a bolt having a lateral wing whose inner end is undercut and a swinging latch bar having an opening for the bolt and provided at one side of the opening with a lateral wing corresponding to that of the bolt and having on the opposite side of the opening from its said wing a shoulder for operation by the wing of the bolt, the outer face of the latch bar adjacent to the said shoulder being depressed to coincide with the undercut end of the bolt wing, substantially as set forth.

4. The combination with a bolt having a lateral wing, of a latch bar having an opening for the said bolt and having at one side of the opening a wing or extension coinciding with the wing of the bolt and having at the other side of the opening from its said wing or extension a shoulder for abutment by the wing of the bolt, substantially as set forth.

5. A clevis comprising a main bar, a latch

bar pivoted at one end to the main bar and having at its swinging end a bolt hole provided with a lateral wing, a latch bar having on the opposite side of its bolt hole from said
5 wing a shoulder and a bolt having its point end provided with a lateral wing corresponding to the wing of the bolt hole in the latch

bar and arranged to be interlocked with the shoulder of the latch bar, substantially as set forth.

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Witnesses:

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