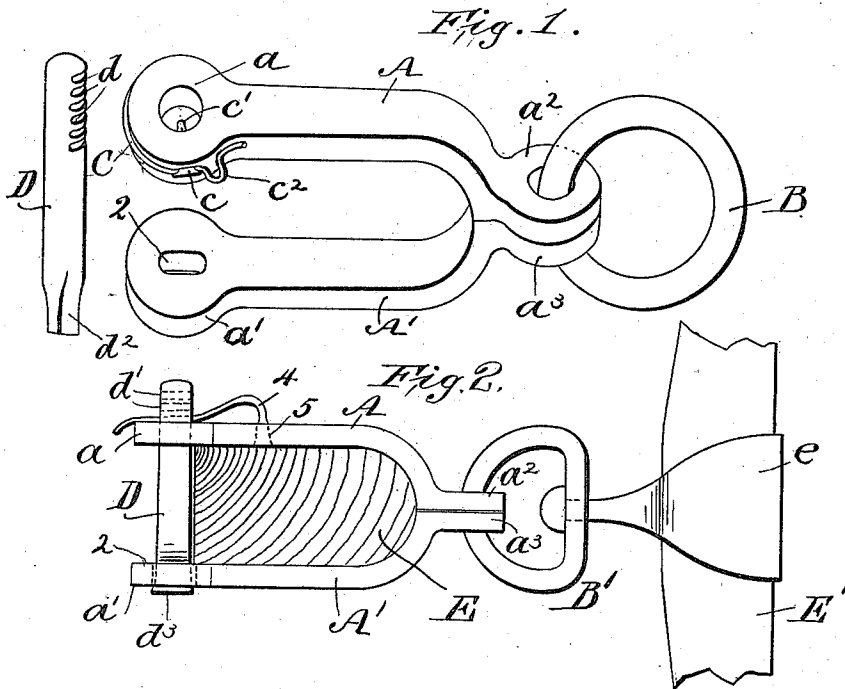


(No Model.)

E. P. WIESE.
CLEVIS.

No. 579,310.

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WITNESSES:
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CLEVIS.

SPECIFICATION forming part of Letters Patent No. 579,310, dated March 23, 1897.

Application filed March 25, 1896. Serial No. 584,772. (No model.)

To all whom it may concern:

Be it known that I, ERNEST PAUL WIESE, a citizen of the United States, and a resident of Harbine, county of Jefferson, and State of Nebraska, have invented certain new and useful Improvements in Clevises, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters and figures of reference indicate corresponding parts.

This invention relates to an improved clevis, and has for its object to provide an article of this character which is light in weight, durable, inexpensive, and readily adaptable for attachment to and detachment from double-trees, singletrees, and all other articles in combination with which a clevis is commonly used.

The device comprises few and simple parts, which while adjustable and adaptable for attachment to trees of variable thickness are at the same time non-removable, whereby they cannot be accidentally detached from each other and lost or mislaid.

The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of my improved clevis in its preferred form, having the connecting-pin forming part thereof detached. Fig. 2 is a side elevation of a modified form of my device, showing the same connecting a double-tree and singletree together. Fig. 3 is a plan view of the clevis, illustrating a slightly-modified construction. Fig. 4 is a side elevation of a double clevis, the parts of which are connected by means of a universal swiveled joint; and Fig. 5 is a side elevation showing a form of coupling the parts when the device is to be connected to a plow.

In the practice of my invention my clevis comprises, essentially and primarily, two arms A and A'. The said arms are provided upon their respective rearward ends with loops or eyes a^2 and a^3 , which said loops engage with any suitable ring or coupling B, which is adaptable for attachment to a chain or to another clevis, as will be hereinafter more fully described.

The loop a of the arm A is provided through one side thereof with an opening c , which engages with an inwardly-projected finger c' 55 of a spring C, which said spring is securely attached to the loop a at the point 1. (Illustrated clearly in Fig. 3 of the drawings.) The spring C is further provided with an outwardly-projected looped portion c^2 , which is adapted for use in operating the spring. The lower loop a' of the arm A' is provided with an elongated aperture 2, which engages with a coupling-pin D, which pin is provided at its lower end with a flattened surface d^2 , said 65 surface being sufficiently flattened to adapt it to fit loosely within the side walls of the elongated opening 2 and permit limited radial movement therein, the said pin D being held therein by battering the end of its flattened 70 surface d^2 , whereby a head d^3 is formed thereon, and the said head d^3 , together with the larger upper part of pin D, which cannot enter the opening 2, will prevent the pin from becoming detached from the loop a' , while at 75 the same time permitting radial movement thereof, whereby it can be forced into and out of engagement with the loop a without danger of bending or breaking. The pin D is further provided upon its upper surface 80 with notches d , adapted to engage the finger c' of the spring C.

As a substitute for the spring C, I may provide on the upper arm A of the clevis a flexible key 4, which is preferably composed of 85 leather and which is securely attached to an aperture 5 of the arm A. In this form of clevis the connecting-pin D is provided with small openings d' , through which the end of the flexible key 4 is adapted to pass, whereby 90 the clevis may be locked to any suitable double-tree E.

In Fig. 2 of the drawings the clevis is shown as attached to a double-tree E and a singletree E', the two parts being held together by 95 means of a swivel B' and a strap or clip e , which is connected to the singletree E'.

In Fig. 4 of the drawings two clevises are shown in attachment with each other by means of a double swiveled joint B², and in 100 Fig. 5 they are coupled by a double hook B⁴. This form is adaptable for engagement with a plow. In Fig. 3 of the drawings the arms A and A' of the clevis terminate at their for-

ward ends into hooks a^3 . (Shown by dotted lines.) These said hooks are adapted to be bent into the position indicated by full lines in Fig. 3 of the drawings after they are attached to a suitable ring B^3 , which ring may form part of a chain or other article to which the clevis is adapted to be attached.

In the operation of the device, the spring C being removed from engagement with the pin D, the arms A and A' may be separated from each other to a sufficient distance to enable them to be clamped over any suitable tree E, when the pin D will be brought into engagement with the spring C, whereby the clevis is tightly clamped and secured to the tree. When the leather key is used as a substitute for the spring, the operation is precisely the same.

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

1. A clevis comprising two separable arms having loops upon the two ends which are attached to each other at their draft ends by means of a ring, and at their rearward or tree

ends by means of a pin having a flattened part and a head formed on one end, and notches in the other end, which pin is pivotally attached to one of the arms in an elongated slot in the loop thereof, and engages with a locking device upon the other arm, substantially as shown and described.

2. The combination of the two arms having eyes upon their forward ends which are adapted to engage with a ring, and loops upon their rearward ends, and a connecting-pin which is pivotally attached to one of the loops, and has limited radial movement therein, and which passes through the other loop and is held therein by means of a spring-pressed finger engaging with notches in said pin, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 17th day of March, 1896.

ERNEST PAUL WIESE.

Witnesses:

FRANK T. PEARCE,
JOHN WIESE.