(No Model.)

M. H. SIMMONS.

Self-Locking Clevis.

No. 228,129. Patented May 25, 1880.

Fig 1.

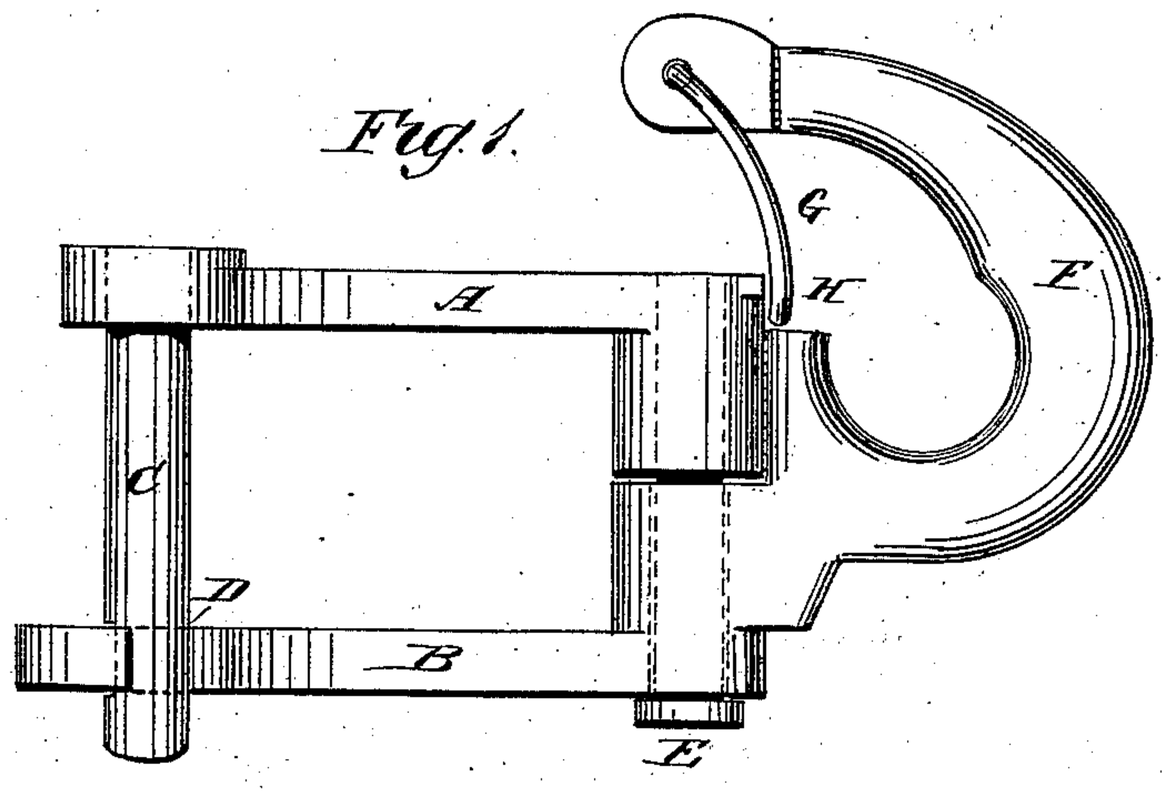


Fig. 2.

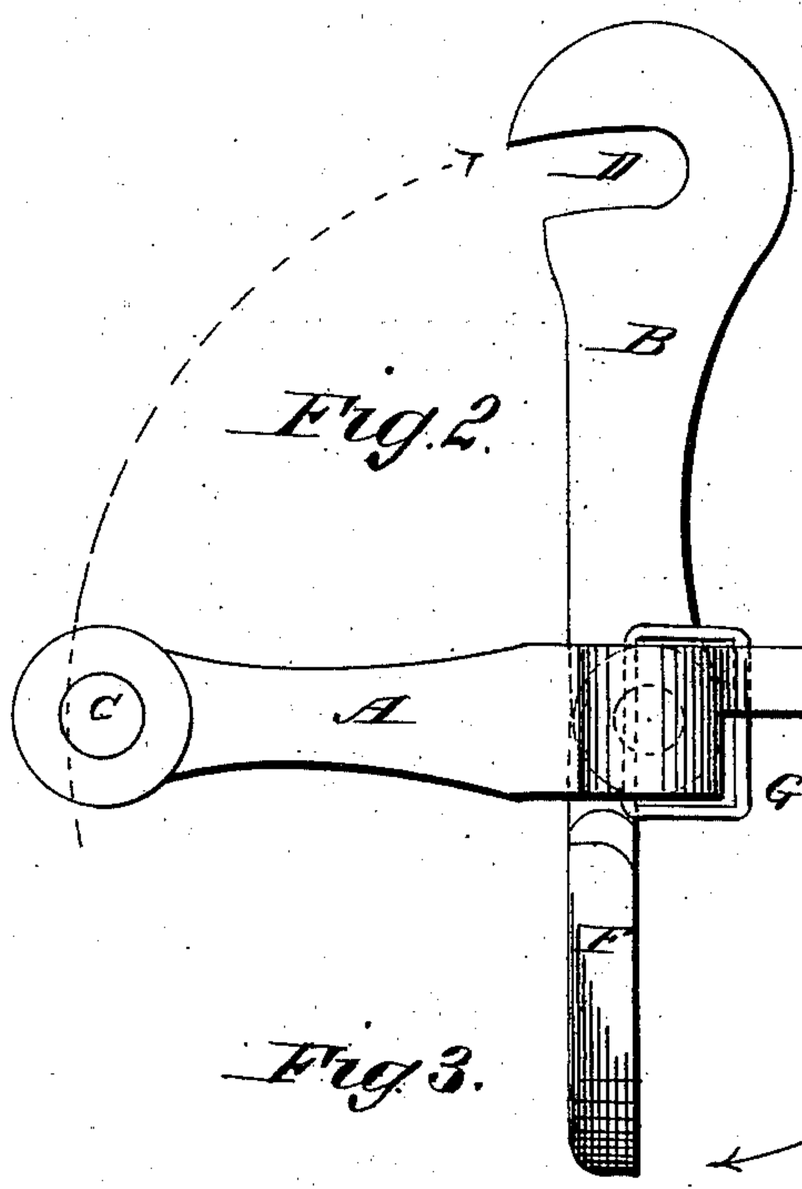
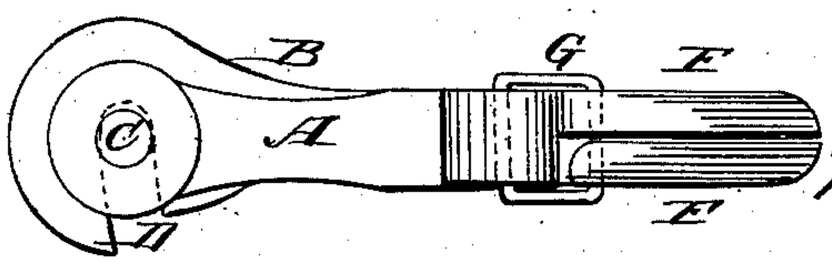


Fig 3.



WITNESSES:

F. McArdle

C. Sedgwick

INVENTOR:

M. H. Simmons

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

MARION H. SIMMONS, OF ATCHISON, KANSAS.

SELF-LOCKING CLEVIS.

SPECIFICATION forming part of Letters Patent No. 228,129, dated May 25, 1880.

Application filed March 25, 1880. (No model.)

To all whom it may concern:

Be it known that I, MARION HOMER SIMMONS, of Atchison, in the county of Atchison and State of Kansas, have invented a new and useful Improvement in Self-Locking Clevises, of which the following is a specification.

Figure 1 is a side elevation of the improvement. Fig. 2 is a top view of the clevis opened. Fig. 3 is a top view of the clevis closed.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish clevises which shall have no loose parts to be mislaid or lost, which may be easily and quickly applied to and removed from the double-tree and draft, and which will not be liable to become accidentally detached.

The invention consists in constructing a clevis of two arms, hinged to each other at their forward ends by a pin, the one arm having a pin at its rear end and the other having a notch to receive the said pin, the corresponding hooks formed upon the forward ends of the arms, and the link hinged to the end of one of the hooks, whereby the clevis can be readily attached to a double-tree or other object, and will be held securely in place when in use, as will be hereinafter fully described.

A is the upper arm, and B is the lower arm, of the clevis. Upon the rear end of the arm A is formed, or to it is permanently attached, the upper end of a pin, C, the lower end of which enters a notch, D, in the side of the rear end of the arm B.

The forward ends of the arms A B have sockets formed upon them, which fit upon each other, and are hinged to each other by a screw-bolt or pin, E, which passes through the socket of the one arm and screws into or is otherwise secured in the socket of the other arm.

Upon the forward end of each of the arms A B is formed a hook, F, which hooks are made of exactly the same shape and size, and have their adjacent sides flattened, so that they may fit together snugly and serve as a single hook.

To the end of one of the hooks F is hinged the upper end of a link, G, the lower end of which rests upon a shoulder, H, at the forward end of the arm A. The forward end of the hooks F project so far over the end of the arm A that the link G will be held in place upon the shoulder H by its own weight. The link G thus prevents the ring, link, or clevis into which the hooks F are hooked from becoming accidentally unhooked. The clevis is applied to a double-tree or other object by opening the said clevis laterally, as shown in Fig. 2, passing the pin C down through the bolt-hole and closing the clevis, as shown in Figs. 1 and 3. With this construction the clevis cannot open when the draft-ring, link, or clevis is in place upon the hook F.

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

1. As an improved article of manufacture, a clevis constructed, substantially as herein shown and described, of the arm A, having pin C, the arm B, having notch D, the hinging-pin E, the hooks F, and the link G, as set forth.

2. In a clevis, the combination of the arms A B, the pin C, the hinging-pin E, the hooks F, and the link G, substantially as herein shown and described, whereby the clevis can be readily attached to a double-tree or other object, and will be held securely in place when in use, as set forth.

MARION HOMER SIMMONS.

Witnesses:

F. M. CHERRY,

F. STEELE.