

S. HATHAWAY  
Colter.

No. 207,352.

Patented Aug. 27, 1878.

Fig. 1.

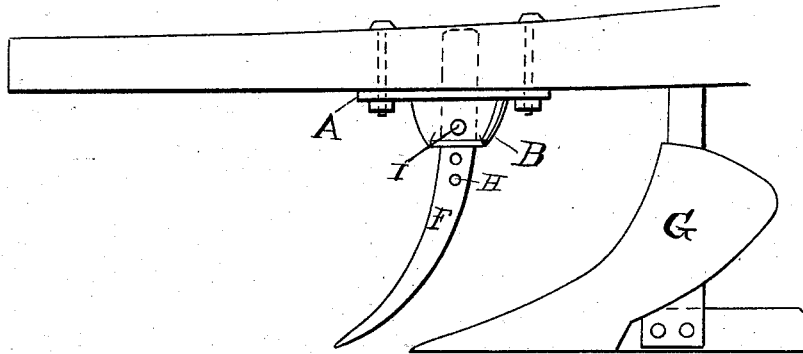


Fig. 2.

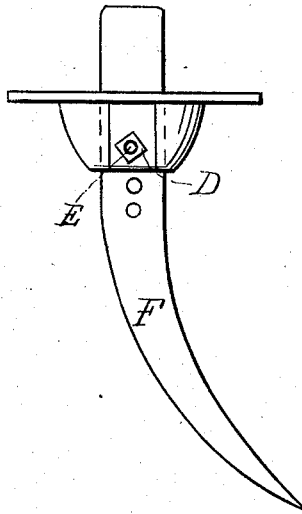


Fig. 3.

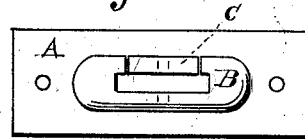


Fig. 4.

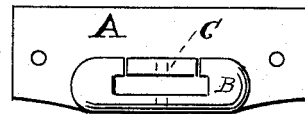
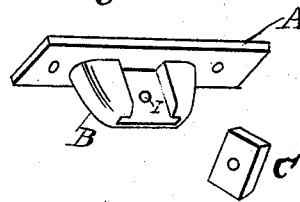


Fig. 5.



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# UNITED STATES PATENT OFFICE.

SAMUEL HATHAWAY, OF COLLINS, ARKANSAS.

## IMPROVEMENT IN COLTERS.

Specification forming part of Letters Patent No. **207,352**, dated August 27, 1878; application filed June 13, 1878.

*To all whom it may concern:*

Be it known that I, SAMUEL HATHAWAY, of Collins, in the county of Drew and State of Arkansas, have invented certain new and useful Improvements in Plow-Colters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of colter attached to the plow-beam. Fig. 2 is a side view of the colter, plate, and socket. Fig. 3 is a bottom view of the plate and socket. Fig. 4 is a bottom view of the socket and a modification of the plate; and Fig. 5, the plate and socket with the key detached.

This invention has relation to colters for plows; and consists in the improvements in the construction of the same hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference indicate like parts in the invention.

The plate A, provided with the socket B, having the removable key C, held in place by the nut D and bolt E, which passes through the colter F, is secured to the plow-beam in front of the plow G in any suitable manner. The colter F is provided with a series of holes, H, to receive the bolt E, and to permit it to be vertically adjusted in its socket B. The key C is removable from the socket and occupies nearly the whole of one side of the same. The

colter F is introduced into its socket B from the bottom, and the bolt E is passed through any one of the holes H that will hold it at the desired elevation. The key C is then put to place, and the bolt C is passed through the hole I in said key C, and the nut D is screwed upon it, and the key C is pressed as tightly against the shank of the colter F as may be necessary to hold it firmly in its socket. If the socket B were cast without the key C, the colter F would be held loosely in it, and would soon wear the bolt E through by reason of the play the shank of the colter would have in its socket.

The plate A in Figs. 1, 2, and 3 is intended to be attached to a plow-beam where the land-side is in line with the side of the plow-beam.

A modification of the plate is shown in Fig. 4, where the colter and socket are located in the longitudinal center of the plate A, and are intended to be attached to a plow-beam where the land-side comes in line with the center of the plow-beam.

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

In combination, the plate A and socket B, provided with the key C, and the vertically-adjustable colter F, having bolt E and nut D, substantially as and for the purpose set forth.

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

SAMUEL HATHAWAY.

Witnesses:

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ARTHUR E. HARRIS.