

O. D. ALDRICH.
WATER HOOKS FOR HARNESS.

No. 184,002.

Patented Nov. 7, 1876.

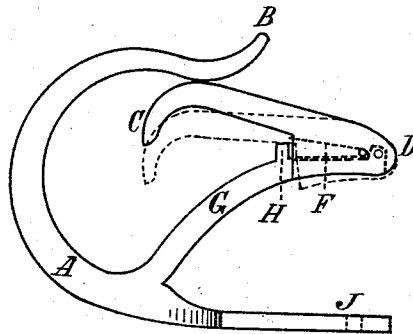


Fig. 1.

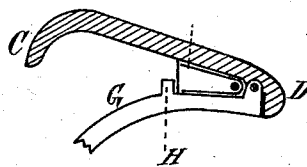


Fig. 2.

Witnesses:
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UNITED STATES PATENT OFFICE.

OSCAR D. ALDRICH, OF WOONSOCKET, RHODE ISLAND.

IMPROVEMENT IN WATER-HOOKS FOR HARNESS.

Specification forming part of Letters Patent No. **184,002**, dated November 7, 1876; application filed September 18, 1876.

To all whom it may concern:

Be it known that I, OSCAR D. ALDRICH, of Woonsocket, in the county of Providence, State of Rhode Island, have invented certain new and useful Improvements in Water-Hooks for Harness, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation, and Fig. 2 a vertical sectional view.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to that class of water-hooks which are provided with means for preventing the check-rein from being accidentally detached; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simpler, cheaper, and more effective device of this character may be produced than is now in ordinary use.

The nature and operation of my invention will be readily obvious to all conversant with such matters from the following description:

In the drawing, A represents the body of the hook, B the point, and C the auxiliary hook. A bracket or arm, G, projects upwardly and backwardly from the body A, and to the

outer end of this arm the hook C is jointed at D. A spring, F, is disposed between the arm G and hook C, and acts expansively to force the free end of the hook upwardly against the under side of the hook B.

In the use of my improvement, the body A is attached to the saddle by a screw in the usual manner, at J. The rein is introduced between the hooks B C, the spring F yielding to admit of the same. The outer end of the hook B is curved upwardly, and the free end of the hook C downwardly, as shown, causing the rein to be easily inserted and detached, as required. The arm G being inclined backwardly, and the free end of the hook C downwardly, as the rein is forced back it passes up the inclined arm, and is caught by the hook C and prevented from escaping. A stud, H, projects upwardly from the arm G, forming a stop against which the rein strikes, and by which it is prevented from interfering with the spring F.

Having thus explained my invention, what I claim is—

The hook A, provided with the curved arm G and stud H, in combination with the spring F and curved jointed arm C, substantially as and for the purpose set forth.

OSCAR D. ALDRICH. [L. S.] *

Witnesses:

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