

A. BEDFORD.
Hold-Back Irons.

No. 162,456.

Patented April 27, 1875.

Fig. 1.

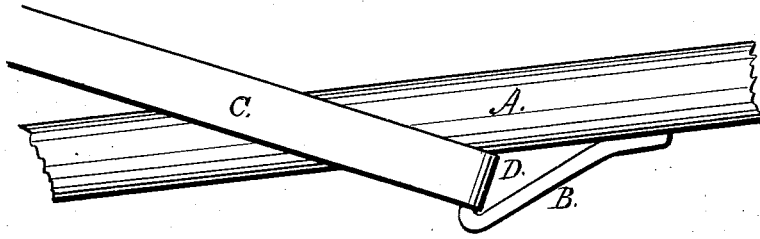


Fig. 2.



Fig. 3.



Witnesses.

C. H. Poole
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UNITED STATES PATENT OFFICE.

ALMA BEDFORD, OF COLDWATER, MICHIGAN.

IMPROVEMENT IN HOLDBACK-IRONS.

Specification forming part of Letters Patent No. **162,456**, dated April 27, 1875; application filed November 27, 1874.

To all whom it may concern:

Be it known that I, ALMA BEDFORD, of Coldwater, in the county of Branch and State of Michigan, have invented a certain new and useful Improvement in Holdback-Irons for Thills for Carriages; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a side view of a broken-off section of a thill, with the holdback-iron secured to the under side, showing a section of the strap for holding back directly in position for drawing straight with the angle of the iron. Fig. 2 shows a side view of the holdback-iron, detached. Fig. 3 shows the under-side view of the same.

My invention consists in the construction of the holdback-iron, and the angle of the portion on which the holdback-strap bears, so that the strap draws in a direct line with the angle—or, in other words, perfectly square and straight; and, furthermore, the form of the iron enabling it to be molded and cast complete, thereby greatly lessening the cost of the manufacture.

Referring to the drawings, and to the letters

marked thereon, A is the shaft or thill of a vehicle, with the holdback-iron B secured on its under side by two screws, through countersunk holes cast in it, with the holdback-strap C in the loop D, they all being at just about the position the shafts and holdback-straps are in when a horse is hitched to an ordinary buggy.

The form of the holdback is such that it can be molded and cast with the screw-holes countersunk for the screw-heads, all perfect and complete, without coving or drilling. The castings, made malleable, are ready for japanning or plating without any machine-work or other handling.

I do not claim a holdback constructed with a perpendicular bearing-face; but

What I do claim is—

A holdback-iron cast in one piece, and having countersunk screw-holes in its ends, and provided with an oblique bearing for the breech-strap, substantially as and for the purpose set forth.

ALMA BEDFORD.

Witnesses:

J. B. WOODRUFF,
J. W. HAMILTON JOHNSON.