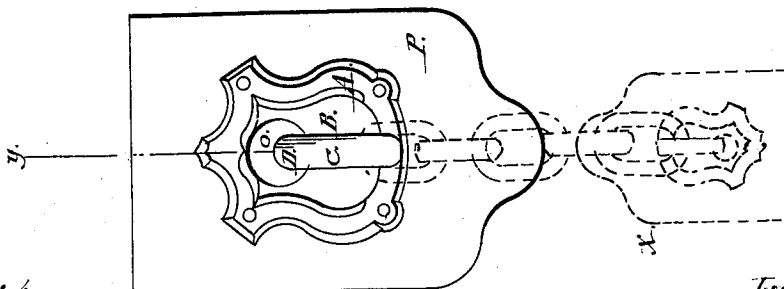
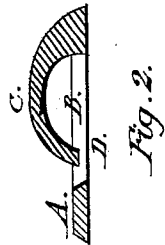


*W. M. Kerahan.*

*Back Band Hook.*

*N<sup>o</sup> 86,852.*

*Patented Feb 9, 1869.*



*Witnesses:*

*A. C. Johnston*

*W. Johnston*

*Inventor:*

*W. M. Kerahan*

*By Johnston  
Attorney*

# United States Patent Office.

WILLIAM MCKERAHAN, OF ALLEGHENY CITY, PENNSYLVANIA, ASSIGNOR TO SAMUEL REYNOLDS, OF THE SAME PLACE.

Letters Patent No. 86,852, dated February 9, 1869.

## IMPROVED BACK-BAND HOOK

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM MCKERAHAN, of the city and county of Allegheny, and State of Pennsylvania, have invented a certain new and useful Improvement in "Back-Band Hook for Harness," being a new article of manufacture; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in so constructing a hook for the back-band of harness, that it can be cast without the necessity of "coring" out, in making the moulds for casting it, thereby furnishing a new and cheap article of manufacture.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification—

Figure 1 is a front view of my improvement in hooks for back-bands for harness, representing the hook arranged on a section of a back-band.

Figure 2 is a longitudinal section of the same, when cut through at line *y* of fig. 1.

Figure 3 is a longitudinal section of the hook, when disconnected from the back-band.

In the drawings—

A is a frame of the hook. C is the tongue, the point, D, of which is curved down, so as to be below the outside surface of the frame A.

The frame A is provided with an opening, B, the form of which is clearly shown in the accompanying drawings. By making this opening, B, the space under the tongue C is made by the "line of parting in

the mould, between the cope and drag of the flask," which terms are well understood by "iron-moulders." Through the medium of this opening B, the space under the tongue C is formed without the necessity of cores being used in forming moulds for casting the "hook," for these "hooks" are cast, and then annealed; that is to say, the hooks are known in commerce as "malleable-iron hardware for harness."

The back-band hook is riveted to the back-band P, in the position represented in fig. 1, and when placed on the under strap, girth, or belly-band, it is placed in the position represented by the dotted lines X in fig. 1. The links represented by the dotted lines show the mode of connection between the said two parts of the harness.

The opening O, in the back-band P, is for giving room for passing the link over the curved end D of the tongue C.

The advantage of my improvement consists in the facility and ease of moulding the hook, saving the "coring"-process, and making a light and cheap "back-band hook."

Having thus described the nature and construction of my improvement,

What I claim as of my invention, is—

A new article of manufacture, viz, a back-band hook, consisting of frame A, with opening B, and the tongue C, cast to and on the frame A, as herein described, and for the purpose set forth.

WM. MCKERAHAN.

Witnesses:

JAMES J. JOHNSTON,  
AARON B. CATE.