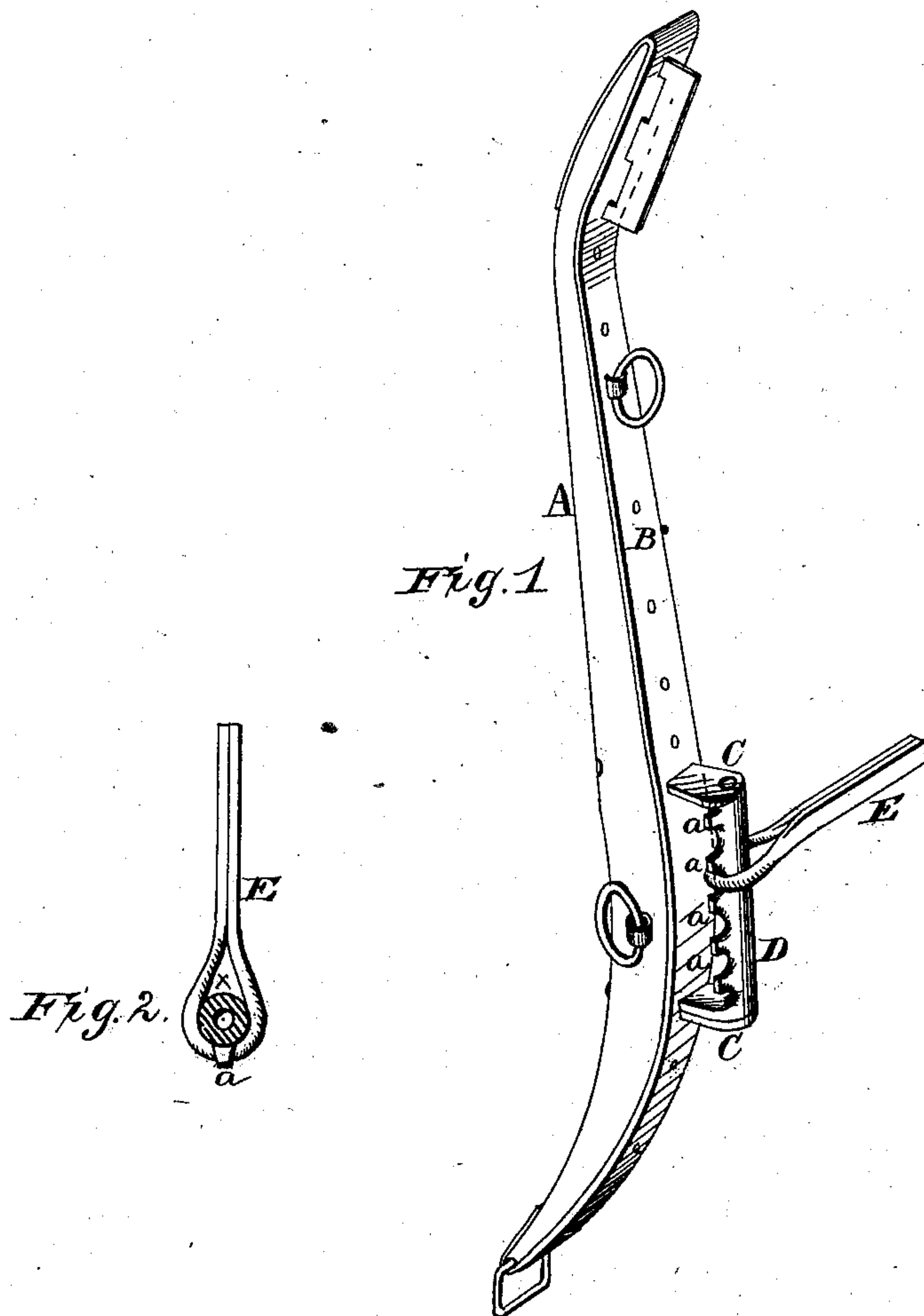


J. B. PLACE.
Hames.

No. 224,474.

Patented Feb. 10, 1880.



WITNESSES

F. L. Curran
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By his Attorneys

INVENTOR

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UNITED STATES PATENT OFFICE.

JOHN B. PLACE, OF NEW LACYVILLE, PENNSYLVANIA.

HAMES.

SPECIFICATION forming part of Letters Patent No. 224,474, dated February 10, 1880.

Application filed January 2, 1880.

To all whom it may concern:

Be it known that I, JOHN B. PLACE, of New Lacyville, in the county of Susquehanna, and in the State of Pennsylvania, have invented certain new and useful Improvements in Hames; 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, making a part of this specification.

The nature of my invention consists in the construction of hames for horse-collars with a device, which will be hereinafter described, for the purpose of allowing the line of draft to be changed by raising and lowering the tug-iron, as will be set forth.

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

In the accompanying drawings, making part of this specification, Figure 1 represents a perspective, and Fig. 2 a detached, view, with a portion in section.

In the figures, A represents the ordinary hame in general use for heavy draft purposes, and which is provided with the usual metal plate B. Connected to the hame and plate B is a frame composed of the two standards or supports C C and the serrated or toothed tube D, which latter is held by a pin between the two supports, and can readily be removed, in case of breakage or wear, and another substituted. This tube may be made several inches in length, and stands out a little from the hame-plate B. The teeth *a a* upon the tube

are flattened out some toward their points, as seen in Fig. 2.

E represents the tug-iron—that is, the iron which is secured to the tug at the hame end to connect it to same. The opening in the tug-iron is pear-shaped, or rounding at one end and V-shaped at the other, and is made sufficiently small that the iron cannot be changed from one notch on the tube to the next or another until its V-shaped end shall have been turned so that the flattened or V-shaped end of the tooth *a* shall be opposite—that is, so that one will correspond with the other. By this arrangement the draft can easily be changed, so that it will come higher or lower upon the shoulder of the horse to suit any circumstances which may require it.

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

The combination, with the hame A, of the frame composed of the supports C C and removable tube D, the latter having teeth *a a*, flattened toward the points, and the tug-iron E, provided with V-shaped opening, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 2d day of September, 1878.

J. B. PLACE.

Witnesses:

E. J. LACEY,
C. A. PLACE,
S. D. BURNETT.