

# UNITED STATES PATENT OFFICE.

BENJAMIN F. HAVILAND, OF DANVILLE, VERMONT.

## IMPROVEMENT IN HARNESS-HAMES.

Specification forming part of Letters Patent No. **173,539**, dated February 15, 1876; application filed January 22, 1876.

*To all whom it may concern :*

Be it known that I, BENJAMIN F. HAVILAND, of Danville, Caledonia county, Vermont, have invented a new and Improved Rein-Guide for Hames, of which the following is a specification:

My invention consists of a contrivance of the rein-guides of hames, whereby the rein can be shifted higher or lower, and inward or outward, to meet the requirements of different horses. For instance, if a horse carries his head too high, the rein can be lowered in the rein-guide on the hame to correct it; and if too low, the rein can be raised; or if he carries it too much on one side, the rein can be thrown out on the other side, so as to be more effective in pulling the head into the right line.

Figure 1 is a side elevation, and Fig. 2 is a front elevation, of a hame provided with my improved hame-guide.

Similar letters of reference indicate corresponding parts.

A is the hame, whereon I propose to cast or otherwise form a kind of open frame-work, comprising upper and lower rein-guides B C and outer one D, in addition to the ordinary guide E, so that I may run the rein higher or lower, or nearer to or farther from the side of the neck, as may be demanded by the way the horse carries his head—the said guides to be provided on both hames, and others may be added, if necessary.

In some cases a contrivance of this kind is very necessary. For instance, a valuable team may be matched in every way, except that one horse may carry his head too high or too low for the other one, or too far out or in laterally, which may be corrected by this contrivance; and it corrects, to some extent, a difficulty growing out of the different angles of the reins of the opposite sides to the bits in the mouth of the horse, in that, by running the outside rein through the outer guide D, it increases the angle of the outside rein and approximates in to the angle of the inside rein, which crosses from the other horse, and thus makes the horse carry his head more evenly.

In the application of this contrivance to a high hame, which extends above the upper hame strap, the guide may be made separate from the hame, with a socket to fit on the upper end of the hame, and at the lower end and center it may be screwed or otherwise fastened on.

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

A hame provided with one or more upper and lower and outwardly-projecting rein-guides, B C D, additional to the ordinary guide E, substantially as specified.

BENJAMIN F. HAVILAND.

Witnesses:

T. B. MOSHER,  
ALEX. F. ROBERTS.

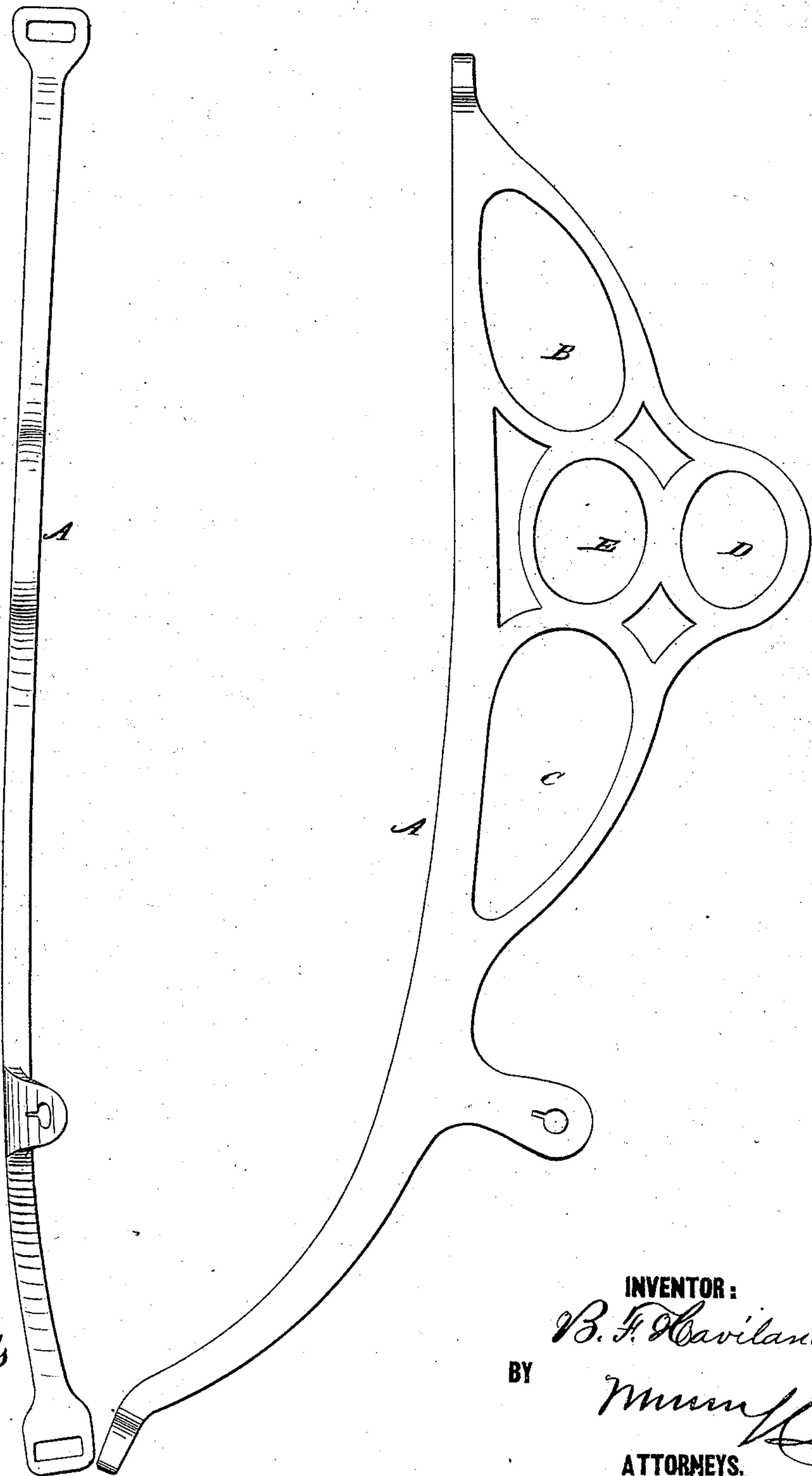
B. F. HAVILAND.  
HARNESS-HAMES.

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Patented Feb. 15, 1876.

*Fig 1*

*Fig 2*



WITNESSES:  
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