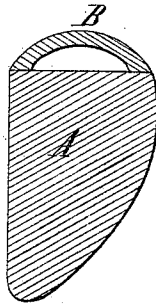


**J. LETCHWORTH.**  
**Hames for Harness.**

No. 147,507.

Patented Feb. 17, 1874.



*John J. Bonner.*  
*S. Dexter Kelch.* } *Witnesses.*

*Josiah Letchworth, the Inventor.*  
*by Jay Hyatt.*  
*Atty.*

# UNITED STATES PATENT OFFICE.

JOSIAH LETCHWORTH, OF BUFFALO, NEW YORK.

## IMPROVEMENT IN HAMES FOR HARNESS.

Specification forming part of Letters Patent No. **147,507**, dated February 17, 1874; application filed October 21, 1873.

*To all whom it may concern:*

Be it known that I, JOSIAH LETCHWORTH, of the city of Buffalo, in the county of Erie and State of New York, have invented a certain Improvement in Hames, of which the following is a specification:

My improvement relates to the construction of the iron strap which is applied to the back of the hame, to impart to it greater strength and stiffness. Previous to my invention this strap or plate has commonly consisted of a rectangular form in cross-section, or such a strap with the outer corners rounded off. As one of the objects of this strap is to retain the hame in its proper bent shape, the strap for heavy draft-hames is required to be of considerable stiffness, for which purpose so much metal is necessary, when the strap is made in the form above described, as to not only add materially to the cost of the hames, but also to render them heavy and cumbersome to handle. My invention consists in making the iron back strap of hames in the shape of a segment of a cylinder, the edges of the strap resting against the back of the hames, whereby, with a much less quantity of metal, a strap of increased stiffness is produced, which results in a saving of

metal, and in enabling the wooden portion to be made of reduced size.

In the accompanying drawing, which represents a cross-section of a hame provided with my improved strap, A is the wooden portion, and B the iron strap, the shape of which is clearly represented in the drawing. The edge of the strap rests against the wood, and is of sufficient width to form a proper bearing. The strap is secured to the wood by rivets, &c., in the usual manner.

A strap of the shape shown, when conformed to the hame, imparts to the latter great strength and rigidity, while the wooden portion can be so reduced in size as to greatly improve the appearance of the hame.

What I claim as my invention is—

The hame A, provided with the metallic strap B, of the form shown, whereby the shape of the hame is maintained, and the device rendered strong, substantially as hereinbefore set forth.

JOSIAH LETCHWORTH.

Witnesses:

JNO. J. BONNER,  
S. DEXTER WELCH.