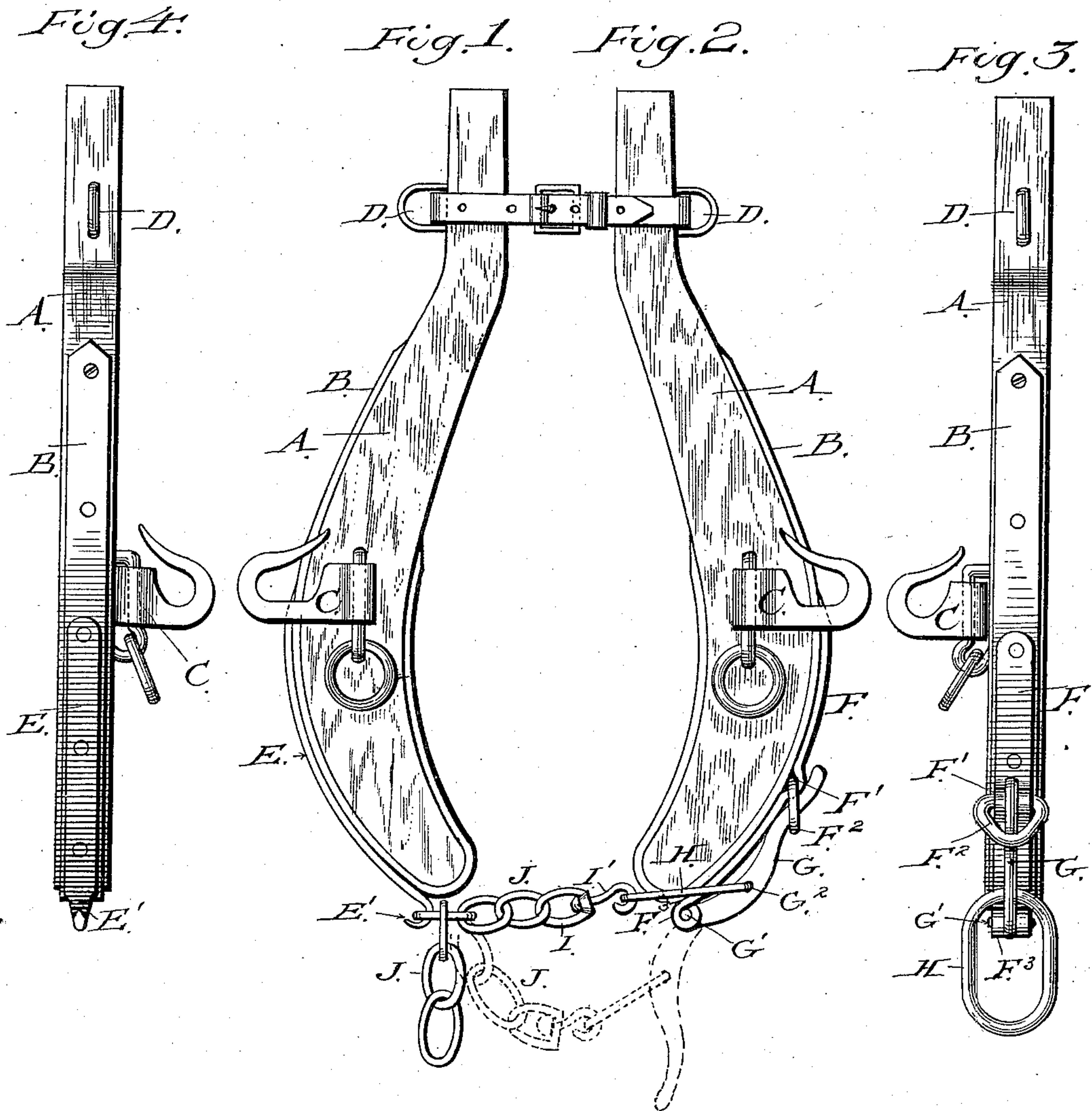


(No Model.)

J. S. SMITH.  
HAME FASTENER.

No. 365,645.

Patented June 28, 1887.



Witnesses  
J. W. Fowler,  
D. S. Clark.

Inventor  
John S. Smith,  
By his Attorney  
Thomas P. Kinsey



# UNITED STATES PATENT OFFICE.

JOHN S. SMITH, OF HAMBURG, PENNSYLVANIA.

## HAME-FASTENER.

SPECIFICATION forming part of Letters Patent No. 365,645, dated June 28, 1887.

Application filed April 1, 1887. Serial No. 233,273. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN S. SMITH, a citizen of the United States, residing at the borough of Hamburg, county of Berks, State of Pennsylvania, have invented a new and useful Improvement in Hame-Fasteners, of which the following is a specification.

This invention is more particularly related to wooden hames re-enforced by iron plates. The object of the invention is to secure a strong, secure, and ready fastening for hames.

My improvement consists in the re-enforce given to the body of the hame and the separate attachment upon said re-enforce of the chain-hook and the lever-lock of the respective hame.

The drawings herewith show fully to an expert the manner in which I re-enforce and attach the locking device.

Like letters of reference indicate similar parts.

Figure 1 represents the hame upon the right-hand side of the collar, showing the chain-hook. Fig. 2 represents the hame upon the left-hand side of the collar, showing the locking-lever; Fig. 3, a partial edge elevation of Fig. 2; Fig. 4, a partial edge elevation of Fig. 1.

In the drawing, A represents the wood portion of the hame; B, an integral metallic re-enforce carried around the lower portion of the hame and properly secured thereto; C, the usual trace-chain hooks; D, the usual top fastening-loops for leather strap; E, independent chain-hook plate secured to the base of the hame upon the re-enforce plate B, which adds very much to the strength of the same, and has a hook, E', adapted to the locking-chain.

F is the independent locking-lever piece, having a loop, F', for the lever-fastener F<sup>2</sup>, a hinge-joint, F<sup>3</sup>, at the lower end for the lever G, which is secured therein by pintle G'. The lever has a perforation, G<sup>2</sup>, for a link, H, adapted to pass over the end of the hame. In this link a swivel, I, is secured by its eye I', and to the swivel a series of six or more chain-links, J, are connected, which serve to graduate the space between the hames to the necks or collars of the animals.

The advantages of this fastener over other devices for the same purpose consists in the

additional strength gained by the mode in which the hame is ironed, by an integral piece passing around the lower portion thereof, running upward about one-half the length of the hame upon the inside and about two-thirds the length of the hame upon the outside edge thereof, the readiness with which the connection between the hame is made, and the quickness and security of the lock when said connection is made, with the non-liability to entangle the chain by the introduction of the swivel in the combination.

I am aware (being a manufacturer of hames) that the use of a coupling-chain and lever is not new, and I do not broadly claim the same; but I believe myself to be the first to iron hames, in the manner shown and described, by the use of an integral piece, B, passing around the lower end of said hame, thus being able to use lighter iron and yet add more strength to the hame, and, in combination with said lighter irons, the re-enforcing of the same by the independently-applied hook and lever fastening device.

The use of the invention is as follows: The hames being applied to the collar in the usual manner, the hook E' is connected with the chain-links J, the lever G being pendent from the hinge F<sup>3</sup>. It is then turned upward against the hame and the fastening-loop F<sup>2</sup> dropped over the end of the lever G. There is no other fastening required, as there is no tendency for said loop F<sup>2</sup> to rise, its weight keeping it in position until purposely released.

What I claim as my invention is as follows:

In wooden hames having re-enforcing irons B, the attachment to the lower outer face of said irons, respectively, upon one hame of an independently-formed hook-piece, E, and upon the other of an independently-formed lever-piece, F, having a loop, F', in combination with the hinged lever-fastener F<sup>2</sup>, adapted to swing over the end of lever G and lock the same in place, the said lever G, chain-links J, and swivel I, all substantially as shown and described, and for the purpose set forth.

JOHN S. SMITH.

Witnesses:

J. EDWARD MILLER,  
CHAS. W. ADAMS.