

(No Model.)

C. H. ALLEN.
HAME ATTACHMENT.

No. 272,183.

Patented Feb. 13, 1883.

Fig. 1.

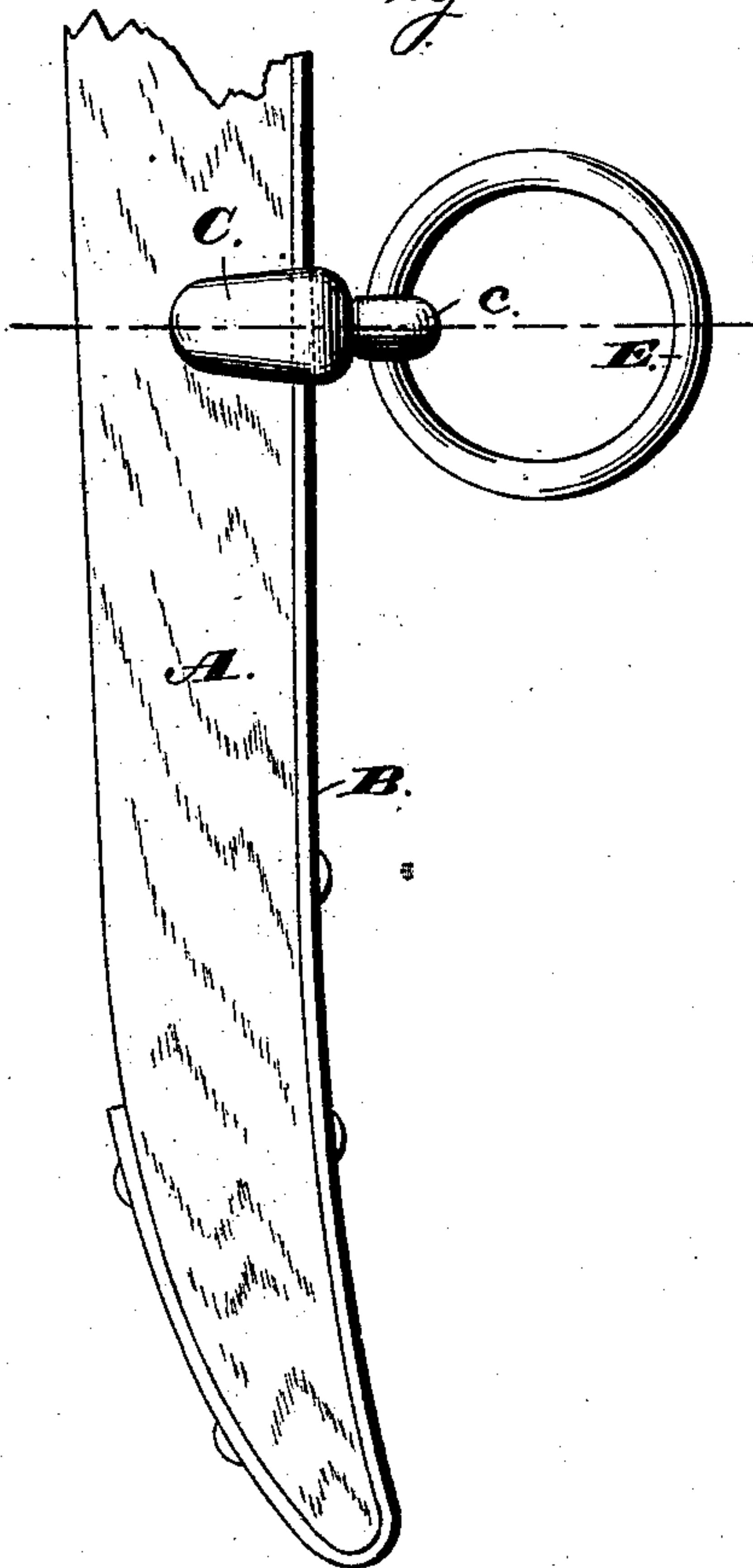


Fig. 2.

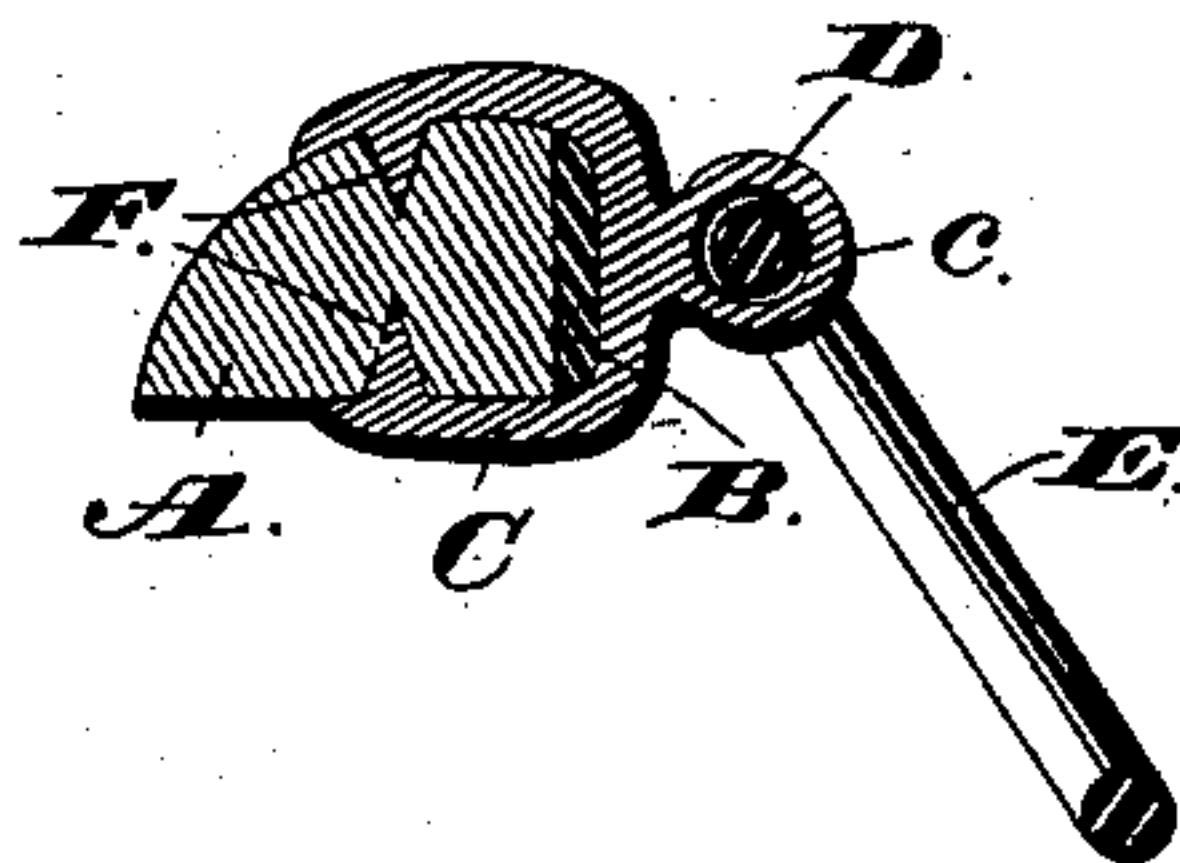


Fig. 3.

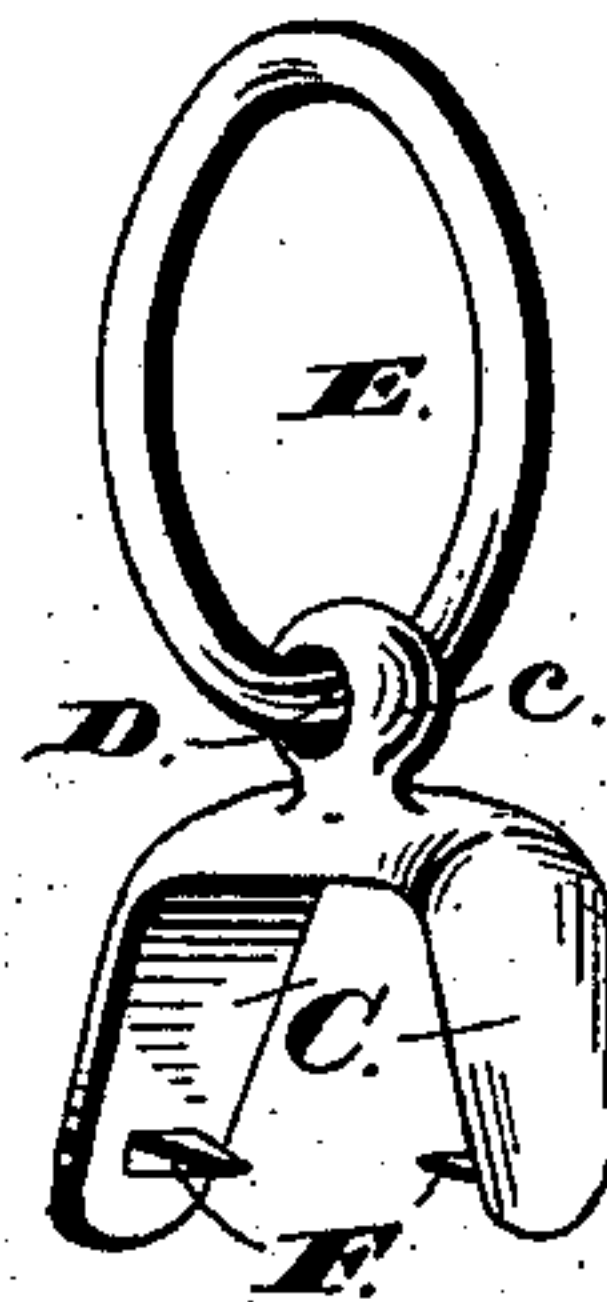


Fig. 4.

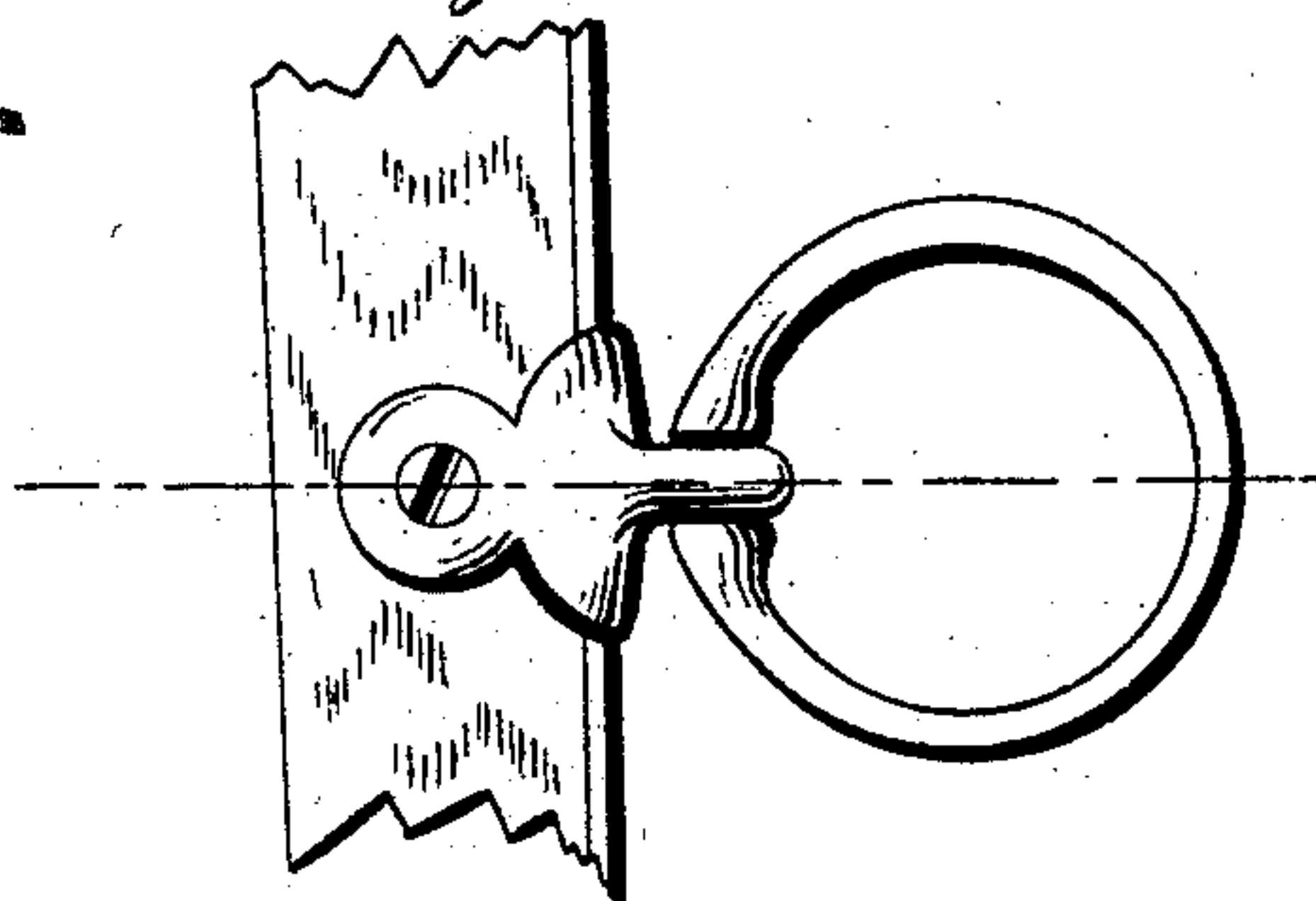
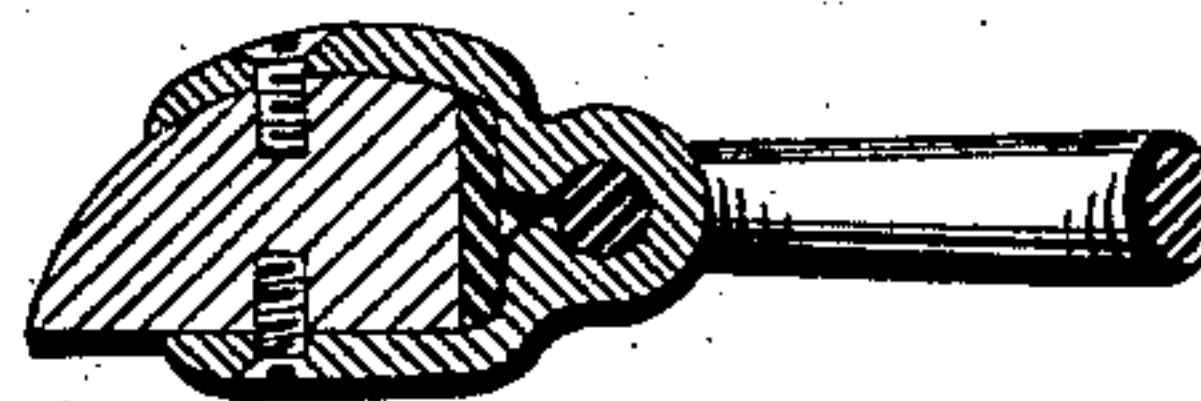


Fig. 5.



Witnesses:
Jas. E. Hutchinson.
J. A. Rutherford

Inventor.
Cotton H. Allen,
By his Attorney,
James L. Norris.

UNITED STATES PATENT OFFICE.

COTTON H. ALLEN, OF ST. LOUIS, MISSOURI.

HAME ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 272,183, dated February 13, 1883.

Application filed October 31, 1882. (No model.)

To all whom it may concern:

Be it known that I, COTTON H. ALLEN, a citizen of the United States, residing at St. Louis, in the county of St. Louis and State of Missouri, have invented new and useful Improvements in Attachments for Harness-Hames, of which the following is a specification.

This invention relates to that class of attachments for harness-hames which are provided for the line-rings.

A harness-hame as usually constructed is made of wood and provided with a metal strap or hame-iron, which is riveted to the outer edge of the hame. A line-ring attachment has heretofore been secured to the hame by means of a staple, bolts, or screws, which pass through the hame-iron and enter the wooden hame; but such mode of securing the attachment weakens both the hame-iron and the wooden portion of the hame, so that the latter is liable to become broken at the point where the attachment occurs, owing to the strain upon the lower portion of the hame, to which the breast-ring is connected.

The object of my improvement is to provide a strong and simply-constructed line-ring attachment which shall be capable of being securely held upon the hame without the aid of bolts, screws, nuts, or staples, and without perforating the hame-iron.

To such end I form a three-sided metal clip with an eye for the line-ring at its apex or middle, and with spurs or studs projecting laterally inward from the inner opposing faces of its legs or ends, whereby the clip can be fitted to the hames so as to embrace the hame-iron, and the two sides of the hame and its ends or legs then clamped down upon the hame so as to force the studs into the wood. As the inner face of this clip is made rectangular or substantially rectangular, and adapted to fit closely to the hame, it will be evident that the spurs or studs will be sufficient to prevent the detachment of the clip from the hame, and that no auxiliary fastening devices will be required.

In the drawings, Figure 1 represents a hame with my improved line-ring attachment secured thereto. Fig. 2 is a section taken transversely through the hame and the line-ring attachment. Fig. 3 represents the line and ring attachment detached from the hame. Fig. 4 illustrates

my improved line-ring attachment secured to a hame by means of screws in lieu of spurs, as in the preceding figures, and having the clip bent to form an eye for the line-ring. Fig. 5 shows a section taken transversely through Fig. 4.

A indicates a wooden hame, provided along its outer edge with a metal strap or hame-iron, B, secured to the hame, as usual.

C indicates the metal clip or line-ring attachment, which consists of a stout strap or plate bent so as to embrace the two sides of the hame and the hame-iron, and formed at its apex or middle with a knob or projection, c, having an eye, D, through which the line-ring E passes. The legs or end portions of this clip are provided upon their inner faces with laterally-projecting spurs or teeth F, one or more of which can be employed for each leg. The legs of this clip will be spread outwardly before the latter is applied to the hame, so that it can be fitted thereon, and the legs then clamped down upon the sides of the hame, thereby forcing the teeth into the wood. These spurs or teeth are pointed, so as to readily enter the wood, and by notching or barbing them their hold on the hame will be more secure. The eye being located at the middle of that portion of the clip which crosses the hame-iron, the hub or projection through which the eye is formed will project laterally from the outer iron-covered edge of the hame, and thereby be in proper position for the line-ring, through which latter the line or rein passes. If preferred, a perforation could be made through one of the legs of the clip and a pin or screw passed through the same and inserted in the wooden hame, as shown in Figs. 4 and 5; but this will not be essential. But should such auxiliary fastening be employed, it will be evident that, as the hole receiving the screw or pin is made through the side of the hame, the latter will not be weakened to the extent to which it would be if the hole were made through the narrow edge of the hame, there being in the former instance more material at the sides of the hole than there will be when the hole is made through the narrow edge of the wooden hame.

In Figs. 4 and 5 the metal strap or plate which forms the clip is bent at its middle, so as to form an eye for the line-ring.

In order to form a perfect eye which shall entirely surround the line-ring, the metal plate forming the clip will be formed with the thickened portions or lugs *e*, which will meet when the plate is bent into clip form, as shown in Fig. 5, whereby the line-ring will be encircled by the metal of the clip or attachment. By thus forming the eye it will be the middle or apex of the clip or attachment, as before.

Heretofore a three-sided hame-clip has been bent into rectangular form and an eye formed in a projection extending laterally from the side of one of the legs. Such article is designed for the breast-strap ring, and has been attached to the hame by means of a bolt or rivets passing through the legs.

It will be seen that by locating the eye on the middle of the clip, as in my present application, there is no danger of forcing either leg from its connection with the hame, and that such construction admits of the formation of the eye as shown in Fig. 5; also, that my device is for attaching a line-ring to the hame, and not for a breast-strap ring.

Having thus described my invention, what I claim is—

1. As an improved article of manufacture, a line-ring attachment for hames, consisting of a three-sided metal clip bent into rectangular form, and having at its apex or middle portion an eye for the ring and at the inner sides of its legs laterally-projecting spurs, substantially as described.

2. The combination, with a wooden hame provided with a hame-iron along its outer edge, of an attachment for the line-ring, consisting of a three-sided metal clip adapted to embrace the hame-iron and the two opposite sides of the wooden hame, and provided on the inner sides of its legs with spurs or teeth which penetrate the wooden hame, and further provided at the center of its middle side, at a point between the junction of the latter with the legs, with a projection having an eye in which the line-ring is held, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

COTTON H. ALLEN.

Witnesses:

W. H. BRIGHAM,
GEO. N. SWORMSTEDT.