

(No Model.)

J. THORNTON.
BREAST RING ATTACHMENT.

No. 347,533.

Patented Aug. 17, 1886.

Fig. 1.

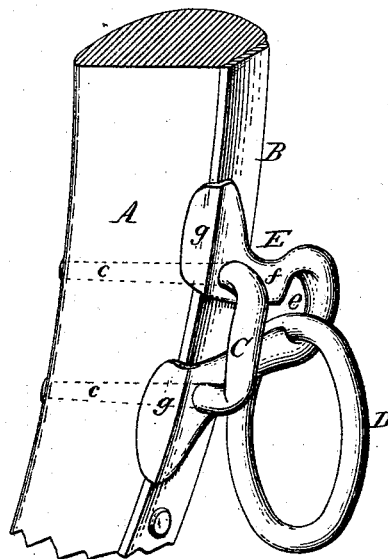
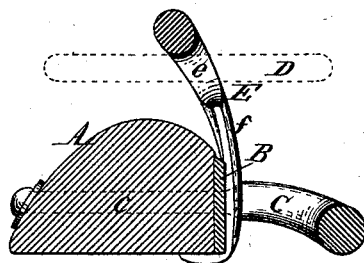


Fig. 2.



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UNITED STATES PATENT OFFICE.

JAMES THORNTON, OF WELLSVILLE, ASSIGNOR TO PRATT & LETCHWORTH,
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BREAST-RING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 347,533, dated August 17, 1886.

Application filed September 1, 1885. Serial No. 175,947. (No model.)

To all whom it may concern:

Be it known that I, JAMES THORNTON, of Wellsville, in the county of Allegany and State of New York, have invented new and
5 useful Improvements in Breast-Ring Attachments, of which the following is a specification.

This invention relates to an improved means for attaching the breast-ring to the hame, and
10 has for its object to so construct the attachment that a closed or continuous ring can be readily attached to the hame.

My invention consists, to that end, of the improvements which will be hereinafter fully set
15 forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved breast-ring attachment. Fig. 2 is a horizontal section of the same.

20 Like letters of reference refer to like parts in both the figures.

A represents a portion of the wooden body of the hame, B the metallic back-strap secured to the outer side of the body A, and C
25 the draft-staple, constructed with two legs, *e*, which pass horizontally through the body A and back-strap B, in the usual manner.

D represents the breast-ring, made closed or continuous, and constructed, preferably, of
30 malleable cast-iron.

E represents the breast-ring holder, composed of an eye or loop, *e*, open at its rear side, and two legs, *ff*, extending rearwardly from the eye *e*, and resting against the outer
35 side of the hame. The separated rear ends of the legs *ff* are provided with flanges *g*, which stand about at right angles to the legs and bear against the rear side of the hame-body. The legs *ff* of the breast-ring holder are provided with openings, through which pass the
40 legs of the draft-staple.

In attaching the breast-ring to the hame the ring D is first introduced into the eye *e* of the holder E through the open space between the
45 legs *f* thereof. The holder E is then firmly secured to the hame by means of the draft-

staple. If a breakage of any of the parts should occur, the holder and ring can be readily removed upon withdrawing the draft-staple.

My improved construction permits of the introduction of a closed or continuous ring into the holder, while in ordinary holders, which have no opening for the introduction of the ring, the latter is open or divided and closed after it has been introduced into the holder.

The closed ring used in my improved construction is not only stronger than a ring which is closed after it has been applied to the hame, but the construction and application of the ring are less expensive, and the removal of the ring from the holder is greatly facilitated.

It is obvious that the holder E may be secured to the hame by separate rivets independent of the hame-staple; but I prefer the construction described and shown, because it is simpler, less expensive, and more compact.

I claim as my invention—

1. The combination, with the hame-body, of a closed or continuous breast-ring and a holder, E, composed of an eye, *e*, separated legs *f*, resting against the outer side of the hame, and provided at their rear ends with flanges *g*, bearing against the rear side of the hame, substantially as set forth.

2. The combination, with the hame-body, of a closed or continuous breast-ring, a holder, E, composed of an eye, *e*, and separated perforated legs *f*, both arranged in the same plane with the eye and resting against the outer side of the hame, and a draft-staple, C, passing through the legs of the holder and securing the latter to the hame-body, substantially as set forth.

Witness my hand this 15th day of May, 1885.

JAMES THORNTON.

Witnesses:

CHARLES F. VINCENT,
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