(No Model.)

R. G. HANFORD, Jr.

HAME STRAP FASTENER.

No. 274,763. Patented Mar. 27, 1883.

Fig. 1

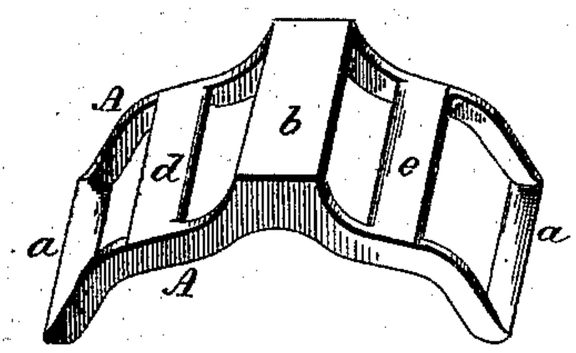


Fig. 2

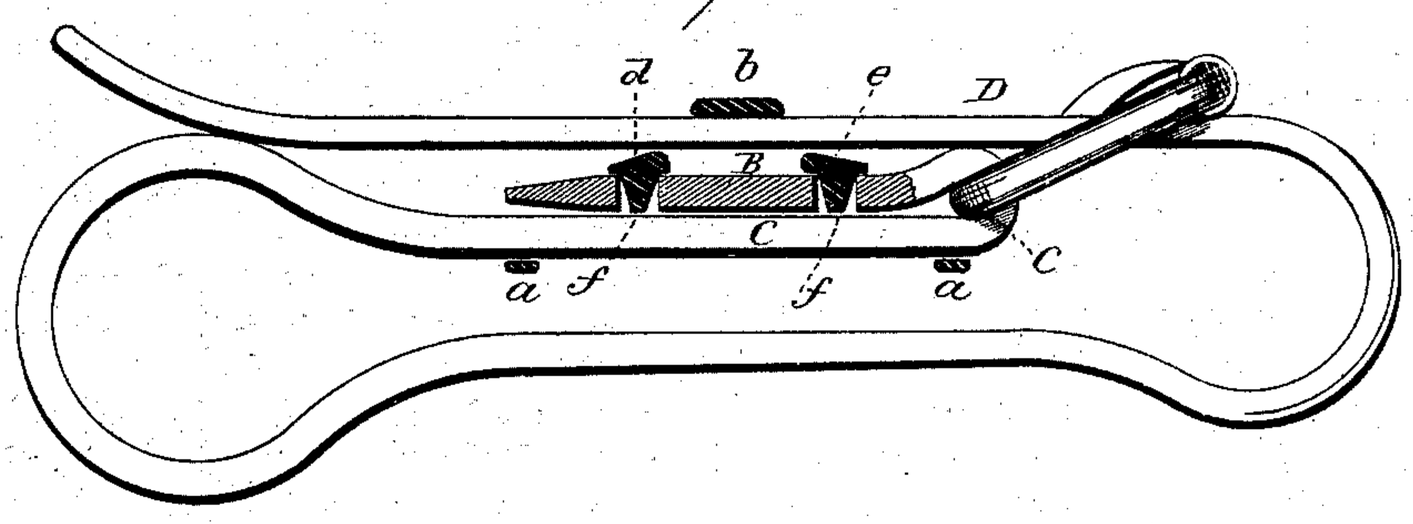
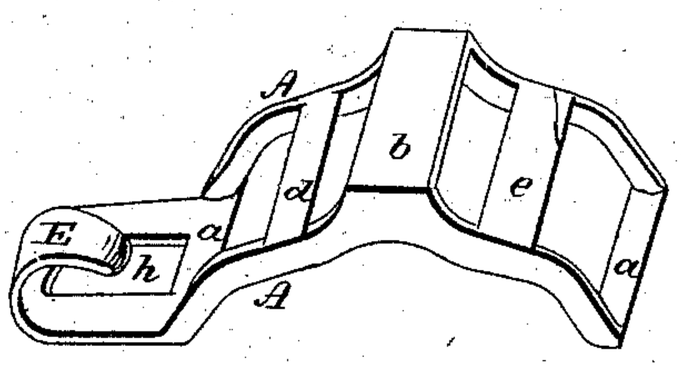


Fig. 3



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HAME-STRAP FASTENER.

SPECIFICATION forming part of Letters Patent No. 274,763, dated March 27, 1883.

Application filed February 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT G. HANFORD, Jr., of Columbus, in the county of Franklin and State of Ohio, have invented new Improvements in Hame-Strap Fasteners; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view; Fig. 2, a longitudinal section, showing the fastener as engaged with the hame-strap; Fig. 3, perspective view of the same fastener having a protecting-hook combined therewith.

This invention relates to an improvement in the device for fastening the hames of a harness, the object being to secure the buckle to one end of the strap and form a loop for the other end of the strap, and construct the device so that it may be made from cast metal and molded without coring; and it consists in the construction as hereinafter described, and more particularly recited in the claims.

A A represent the two side bars, connected at their two ends by cross-bars *a*. From one end to the other the sides A are curved outward, the extreme curvature being little more than three times the thickness of the strap, and at their center a cross-bar, *b*, is formed, and midway between the center bar, *b*, and the two end bars is a cross-bar, *d* on one side and *e* on the other side. Upon the under or inside of the two intermediate bars, *d e*, is an inwardly-projecting stud, *f*, as seen in Fig. 2. This completes the article. It is applied as seen in Fig. 2. The one end, B, of the strap is passed in over the bar *a* at one end through beneath the studs *f*, and over the bar *a* at the other end, thence through the buckle, and returned over the strap and beneath the bars *e d*, the two studs *f f* entering perforations in the end part of the strap. The loop of the part turning the strap incloses the buckle-bar C. The inner part of the strap serves to hold the end portion B on the studs, and thus secure the buckle to the standing part of the strap. The free end part D of the strap passes through the buckle, and then is tucked between the outer bar, *b*, and the intermediate bars, *d e*, as a loop to retain the free end of the strap. While I prefer to provide the two bars *d e* with the stud *f*, it may be sufficient that a single stud be employed. In this construction the article is readily molded and drawn from the sand without coring, and requires no labor or finishing other than that which may be given by the tumbling process. In some cases, and to prevent wear upon the loop of the strap, I construct the fastener with a hook-like projection, E, at the end opposite the buckle, which will engage a metal loop in the hame within the loop of the strap, and thus serve as a protection for the strap. This hook-like projection has its base open under the hook, the opening being of greater extent than the hook, so that the hook may be formed in the same process of molding and without subsequent bending.

I claim—

1. The herein-described hame-strap fastener, consisting of the two outwardly-curved sides, A, connected by the end bars, *a a*, and at their center by a cross-bar, *b*, with intermediate cross-bars, *e d*, one or both of said bars provided with an inwardly-projecting stud, *f*, substantially as described.

2. The herein-described hame-strap fastener, consisting of the two outwardly-curved sides A, connected by the end bars, *a a*, and at their center by a cross-bar, *b*, with intermediate cross-bars, *e d*, one or both of said bars provided with an inwardly-projecting stud, *f*, one of the end bars having the hook-shaped extension E, the base of the extension beneath the hook open, substantially as and for the purpose described.

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Witnesses:

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