

G. A. Bernd,

Harness Hook.

No. 100,233.

Patented Feb. 22, 1870.

Fig. 1.

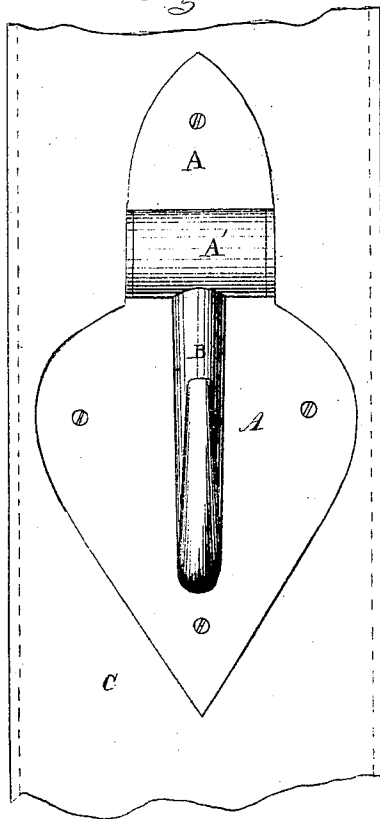
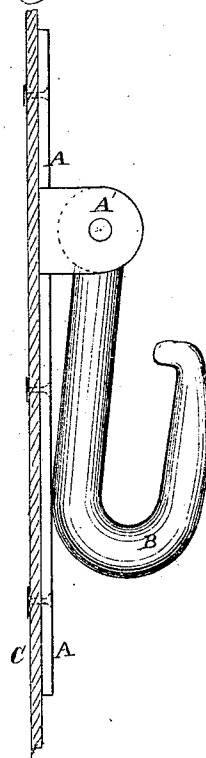


Fig. 2.



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GUSTAV BERND AND ADOLPH BERND, OF MACON, GEORGIA.

Letters Patent No. 100,233, dated February 22, 1870.

IMPROVED HOOK FOR HARNESS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, GUSTAV and ADOLPH BERND, both of Macon, in the county of Bibb, and State of Georgia, have invented an improvement in Hooks for Harness; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings making part of this specification, in which—

Figure 1 is a front elevation of our improved hook, showing, also, a section of the harness, and one method of securing the hook thereto.

Figure 2 is a vertical side elevation, showing one of the ears upon the plate to which the hook is jointed.

Corresponding letters denote corresponding parts in both figures.

This invention relates to that class of hooks which is commonly applied to the back straps of cart harnesses, but which also applicable to all parts of a harness where it becomes desirable to attach a chain any purpose.

We are aware that hooks have heretofore been attached to a plate of metal, which plate has been attached to portions of a harness by riveting or screwing; but so far as we are aware, such plates have never been extended so as to receive upon their surfaces the outer end of the hook, and thus prevent the wearing of the harness at such points.

The object of this invention is to provide a remedy for the evil alluded to; and to this end, it consists in the construction of the plate to which the hook is to be attached; and further, in combining with such plate a hook, so as to form a complete article of manufacture.

A, in the drawings, represents a plate of metal, which may be of iron, brass, copper, or any other suitable material, and of sufficient thickness to admit of its being firmly riveted or screwed to the leather to which it is to be attached, and also to give sufficient strength to the ears A', to which the hook is to be hinged. This plate is to be of such length as to permit of its being securely attached to the leather, but it should extend in the direction of the hook itself for a distance somewhat greater than the length of such hook, so that when in use, the hook may rest upon such plate, and thus prevent it from coming in contact with the leather and wearing it away, as do the hooks now in use.

Another office of this plate is to prevent the link of the chain which is next to the one which enters the hook, from wearing away the leather of which the harness is made.

A' represents an ear, of which there are to be two, one upon each side of the plate, as shown in fig. 1. These ears constitute a part of the plate A, and may be cast thereon when such plate is of cast metal, or they may be cut in the proper form and bent into position when the plate is made of sheet metal. They are to extend outward from the surface of the plate for a distance sufficient to admit of there being formed in them holes to which to hinge the hook, which is secured therein by passing through it and the ears of the plate a bolt or rod of metal, and securing it therein in such a manner that the hook shall turn freely thereon.

B represents the hook proper, the cross-bar on the end of which is to be of the proper length to fill the space between the ears on the plate, and of a diameter sufficient to admit of having a hole bored through it to receive the bolt or rivet which secures it to such ears. From the cross-bar at the outer end there extends a bar of metal, which is to be bent into the form of a hook, as shown in fig. 2 of the drawing. On to this hook the link of any chain which may be used in connection therewith is to be placed.

Having thus fully described our invention,

What we claim, and desire to secure by Letters Patent, is—

1. The plate A, constructed substantially as shown and described, or so that when in use the hook shall rest upon said plate, and be kept from contact with the strap to which the plate is attached, as and for the purpose set forth.

2. In combination with the plate A, constructed as described, the hook B, substantially as and for the purpose set forth.

In testimony whereof, we have signed our names to this specification in the presence of two subscribing witnesses.

GUSTAV BERND.
ADOLPH BERND.

Witnesses:

R. H. THOMPSON,
R. S. LANIER.