

(Model.)

R. B. WHITZEL.

HAME.

No. 282,819.

Patented Aug. 7, 1883.

Fig. 1.

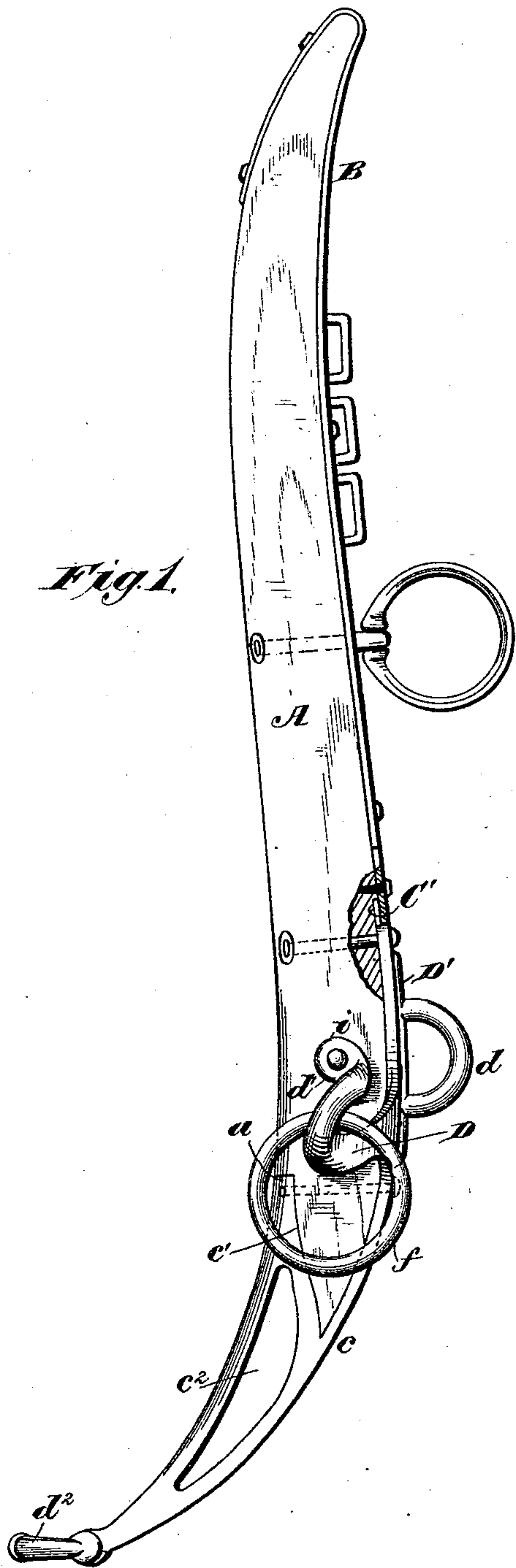
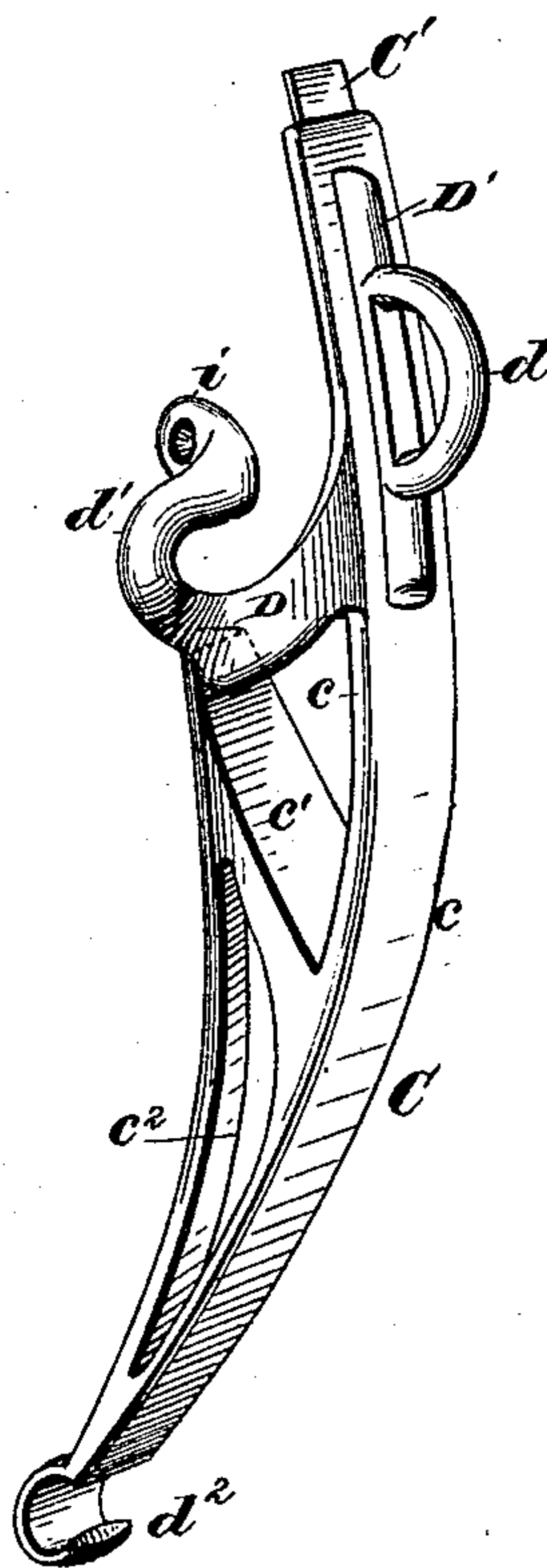


Fig. 2.



WITNESSES

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RUSSEL B. WHITZEL, OF CINCINNATI, OHIO, ASSIGNOR TO P. WILSON & SONS,
OF SAME PLACE.

HAME.

SPECIFICATION forming part of Letters Patent No. 282,819, dated August 7, 1883.

Application filed June 26, 1883. (Model.)

To all whom it may concern:

Be it known that I, RUSSEL B. WHITZEL, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented new and useful Improvements in Hames, of which the following is a specification.

My invention relates to hames for harness; and the novelty consists in the construction and adaptation of the casting for the lower portion thereof, as will be more fully hereinafter set forth, and specifically pointed out in the claims.

Hames as heretofore constructed, where wood and iron have been combined, have ordinarily been expensive, owing in great part to the fact that the casting had to be made with a core and that the wood had to be bent to conform to the curvature of the hame at that point.

My invention seeks not only to essentially and materially cheapen the manufacture of the hame by producing a peculiar form and adaptation of casting, but it also provides for the employment of scrap-wood, or wood which has not been prepared by a process of steaming and bending.

To this end the invention consists, essentially, of a single casting, which comprises the lower portion of the hame, the strap-loop, the holdback, and the draft-staple all in a single piece, having a curved side and an inclined bearing for the wood of the hame.

The invention is fully illustrated in the accompanying drawings, in which Figure 1 is a front elevation of one side of a hame complete, and Fig. 2 a perspective view of the casting.

Referring to the drawings, in which similar letters of reference indicate like parts in both the figures, A designates the wood of the hame; B, the back iron, and C designates the casting. This casting is made to conform in transverse section to the ordinary shape of a hame, and has a curved portion, *c*. The wood A is shouldered at *a* to abut squarely against a corresponding shoulder on the casting, and said wood has an extended bearing in the socket-bearing formed, as here shown, by the inclined surfaces *c* and *c'*. The wood

A, it will be seen, has a bearing on the curved side *c* of the casting in one direction and against the incline *c'* in the opposite direction, and the two are secured together by bolts, as shown. The casting C is provided with an offset, *C'*, which is adapted to underlie the back iron, B, and has the draft-staple *d*, with its strengthening-base *D'* and the strap-loop *d'*. From a point near the draft-staple *d* extends across the face of the hame, so as to bear on the oval surface of the wood, a shank, D, and from this shank rises the loop *d'*, which engages the holdback-ring *f*. This loop *d'* occupies an inclined position across the hame, and has a perforated foot, *i*, which bears upon and is secured to the oval face of the hame. As shown, the shank D extends only partly across the face of the hame; but it may, if desired, be made to form a bridge at that point. To lighten the casting a recess is formed at *c''*, all the sides of which flare toward the back of the casting. From this construction it will be seen that the casting can readily be made without a core, and that the wood need not be bent, as its plane is approximately straight.

This form of hame is cheaply and readily made, is light, strong, serviceable, and slightly. It avoids many of the difficult features which have heretofore existed, and serves its purpose efficiently.

Modifications in details may be made without departing from the principle or sacrificing the advantages of the invention, the essential features of which are fully illustrated, and will be readily understood by those skilled in the art to which it relates.

Heretofore a hame has been made of unbent wood combined with a metallic frame, and such therefore I do not broadly claim; but,

Having thus described my invention, what I claim is—

1. In a hame, and in combination with the straight wood A, having shoulder *a*, a casting of metal having its faces all inclined so that it may be cast without a core, and having the draft-staple with its strengthening-head, the holdback-connection, and the strap-loop, all cast in a single piece with the socket-bearing *c c'*, substantially as described.

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2. The casting C, having offset-lip C', the
draft-staple *d*, and its strengthening-base D',
the strap-loop *d*², the holdback-loop *d'* D, with
foot *i*, the incline *c'*, curved side *c*, and shoul-
5 der made in a single piece, as described, con-
structed and adapted to serve with the wood
A, having shoulder *a* and the back iron, B,
and ring *f*, substantially as described.

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

RUSSEL B. WHITZEL.

Witnesses:

J. A. McCROSKEY,
WILLIAM H. BESUDEN.