No. 896,651. PATENTED AUG. 18, 1908.

J. M. MASTELLER.

PROCESS OF MANUFACTURING HAMES.

APPLICATION FILED APR. 9, 1908.

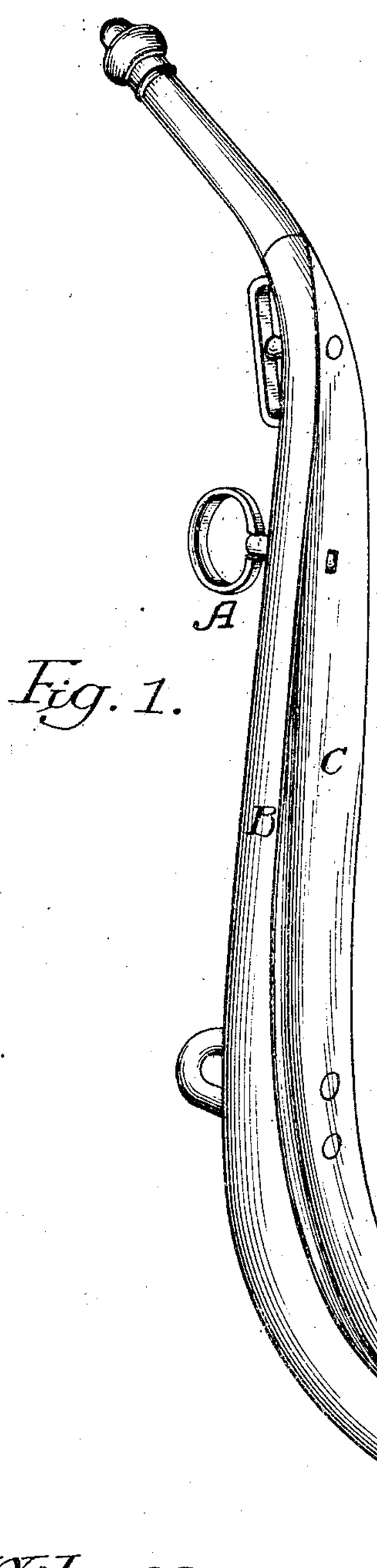


Fig. 1.

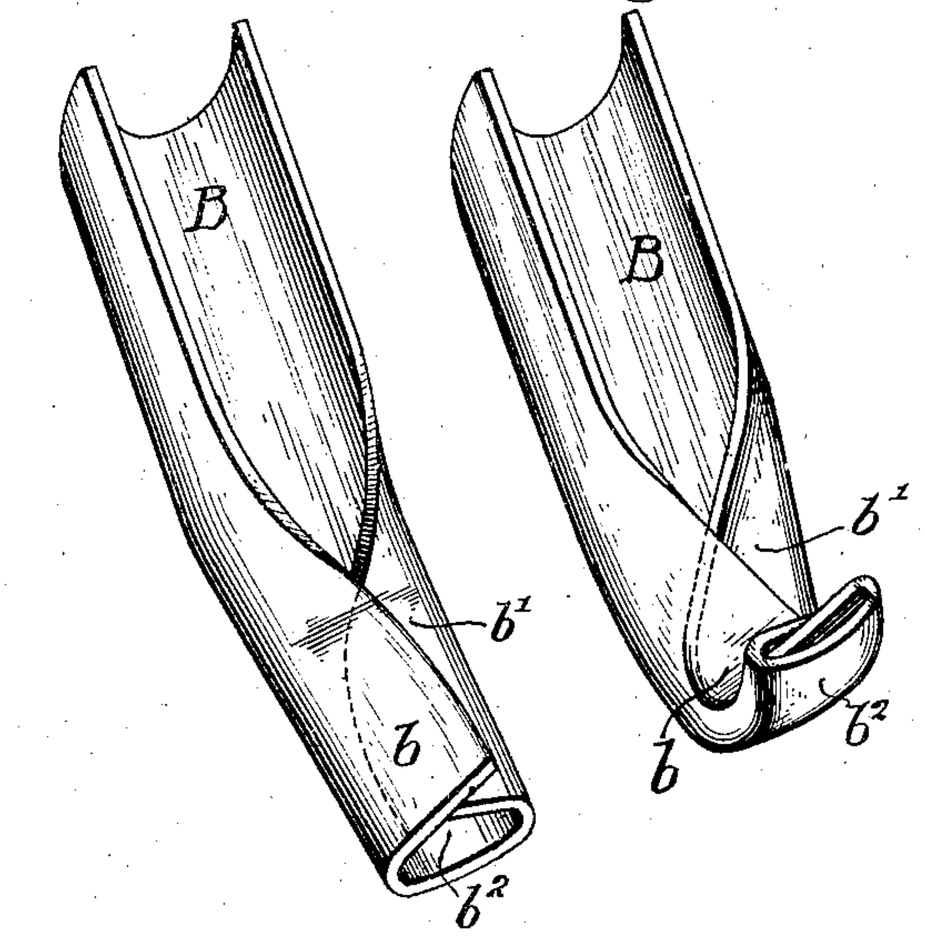
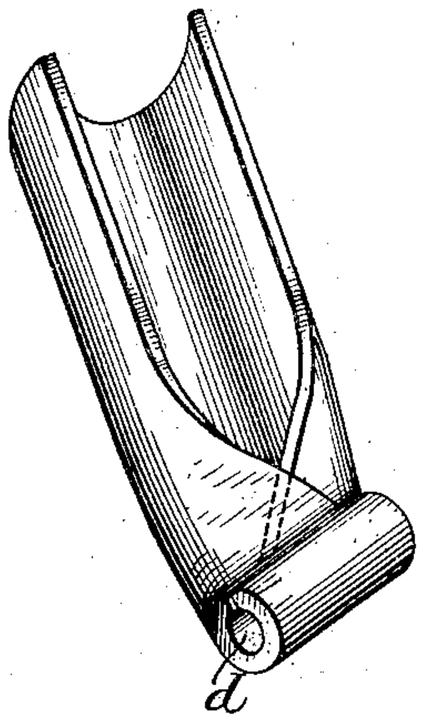


Fig. 4.

Fig. 2.

Fig. 3.



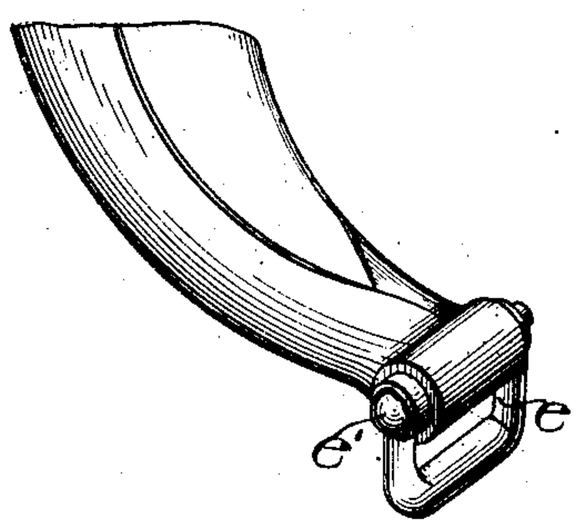
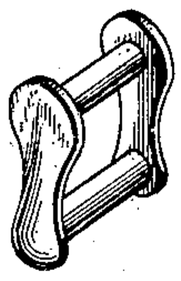


Fig. 5.

Fig. 6.



Witnesses:
Walter Bliss.
Titus H. Irons.

Inventor:
John M. Masteller.
by his Attorneys
Howson & Howson

UNITED STATES PATENT OFFICE.

JOHN MILTON MASTELLER, OF PHILADELPHIA, PENNSYLVANIA.

PROCESS OF MANUFACTURING HAMES.

No. 896,651. Specification of Letters Patent. Patented Aug. 18, 1908.

Application filed April 9, 1908. Serial No. 426,069.

To all whom it may concern:

Be it known that I, JOHN M. MASTELLER, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Processes of Manufacturing Hames, of which the following is a specification.

My invention relates to certain improvements in the manufacture of hames and the invention relates particularly to the formation of the draft eye in the lower portion of the hame.

The object of my invention is to make the draft eye an integral portion of the lower end of the metallic section of the hame. This object I attain in the following manner, reference being had to the accompanying drawing, in which:—

Figure 1, is a perspective view of a hame illustrating my invention; Figs. 2, 3 and 4, are views showing the different steps in the manufacture of a hame; Fig. 5, is a perspective view of the lower portion of a hame showing a clevis hung to the draft eye; and Fig. 6, is a perspective view of a ring that can be applied to the draft eye.

A is a hame having a metallic section B partly inclosing the wooden section C. The metallic section B is U-shaped as shown and the draft eye is usually made of a separate piece and welded to the lower end of the metallic portion.

By my invention I dispense with the separate draft eye and form it from the lower end of the metallic section. I preferably shape the end by beveling off the corners and then bending one side b' at the lower end near the center portion b^2, then bending the sides b upon the portion b', then the parts are pressed closely together and the bending operation to form the eye is started, as shown in Fig. 3, and after the bending is completed, as shown in Fig. 4, the metal is swaged so as to properly form the eye.

A ring may be placed in the eye, as shown in Fig. 6, prior to the eye being closed, or a clevis e may be attached to the eye by a pin e', as shown in Fig. 5, if desired.

By this invention I dispense with considerable labor in the manufacture of draft eyes for hames and also dispense with the expensive separate draft eye, which is usually welded to the end of the metallic portion of the hame.

The eye made in this manner is comparatively light, neat in appearance, very substantial and can be manufactured at a reasonable cost.

I claim:—

1. The process of manufacturing hames which consists in transversely folding upon itself the end portion of an elongated piece of flat metal constituting the metallic portion of a hame, and then giving said folded part the hollow cylindrical form of a draft eye.

2. The process herein described of manufacturing hames, said process consisting in shaping the metallic portion of the hame into U-form, folding the ends of the metallic portion upon each other and upon the center portion of the hame, pressing the parts together, and bending the ends to form a draft eye.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

JOHN MILTON MASTELLER.

Witnesses:

JOS. H. KLEIN,

WM. A. BARR.