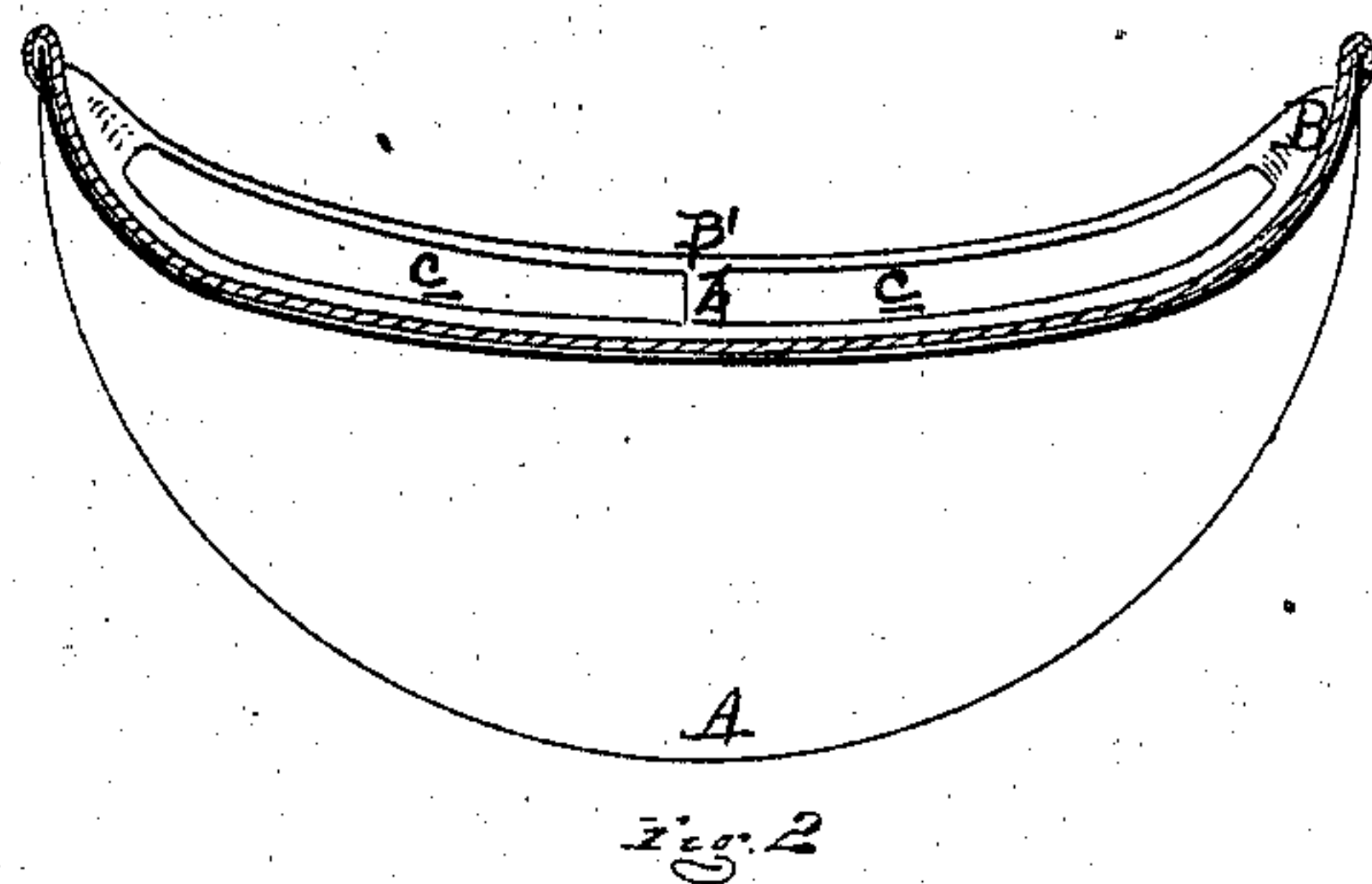
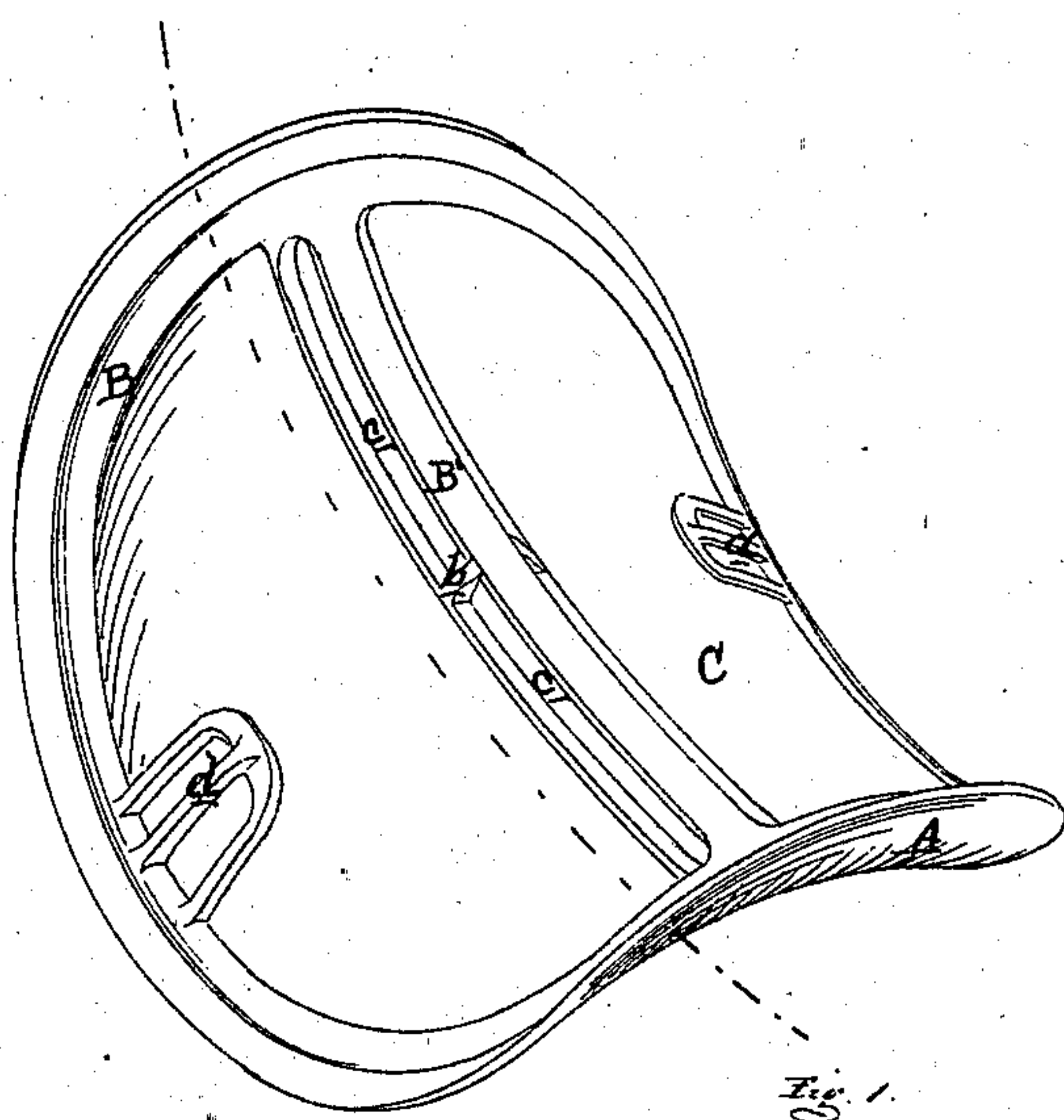


R. J. ALGEO.
Horse-Collar Caps.

No. 136,804.

Patented March 18, 1873.



ATTEST:
Theo. S. Day
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UNITED STATES PATENT OFFICE.

RICHARD J. ALGEO, OF KALAMAZOO, MICHIGAN.

IMPROVEMENT IN HORSE-COLLAR CAPS.

Specification forming part of Letters Patent No. 136,804, dated March 18, 1873.

To all whom it may concern:

Be it known that I, RICHARD J. ALGEO, of Kalamazoo, in the county of Kalamazoo and State of Michigan, have invented a new and useful Improvement in Collar-Caps; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my improved collar-cap, and Fig. 2 is a longitudinal section on *xx* in Fig. 1.

Like letters refer to like parts in each figure.

This invention relates to an improvement in sheet-metal caps for horse-collars, and is more especially designed as an improvement on the cap for which I filed an application for Letters Patent on August 14, 1872, which application was allowed on September 28, 1872. The invention consists in an improved form of the metallic cap-frame and girder, whereby the cap may be applied to all kinds of collars; also, in pressing the leather backing so that it will overlap the edges of the zinc cap, as more fully hereinafter set forth.

In the drawing, A is a sheet-zinc collar-cap, in the form of a miniature saddle. B is a light frame of any suitable metal, with a longitudinal girder, B', connecting its extremities. The frame is made to conform to the shape and outline of the cap A, to which it is secured at intervals by rivets, but between said frame and cap is interposed a leather backing, C, for the purposes mentioned in the aforesaid application. The general construction of the parts shown is the same as heretofore, except that the girder B' is made in two parts, an upper and a lower one, connected at the ends, with also a bridge-piece, *b*, in the middle, thus making two long horizontal slots *c* through it, the object of which is to enable the cap to be applied to collars which are open at the top. Such collars are generally provided with two straps or "billets," which may be passed through the slots to buckle the collar-ends together, securing the cap in place at

the same time. Sometimes, however, such collars are made with a single wide billet which is always set more to the "belly" side of the collar, thus bringing its inner edge about the middle of the length of the girder, so that it can be passed through one of the slots. If, however, the cap is to be used with a collar having a closed top, it can be easily secured by passing straps under a loop, *d*, cast on the lower edge of the frame at each side, and buckling it over the collar-top. These loops are cast in an arch projecting upward from the frame-rim, but lying flat on the backing, so that they do not interfere with the billets, if applied to an open-top collar, making a single style of frame-cap answer the requirements of the trade. Instead of having the edges of the frame backing and cap flush, as heretofore, the former is made of less size, and the backing larger than the cap. In the manufacture of the cap I use a screw-press and "former," and by laying the backing, of leather, well soaked, into the mold, and pressing the cap into it, the edges of the backing will roll over and embrace those of the cap, remaining permanently in this position when the leather has dried, making a better finished edge, that will not cut or abrade the mane of the horse. The cap might, by the superior stiffness afforded by the construction just described, be made without a continuous frame around the edge, using only the slotted girder B' where it is designed for open-top collars. Such a collar-cap would be a little cheaper to make, but would be less durable than if it had the continuous frame.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a collar-cap, A, of sheet metal, having a backing, C, of leather pressed over its edges, as shown and set forth.

2. The combination, with the cap A and backing C, of the slotted girder B', as and for the purpose set forth.

RICHARD J. ALGEO.

Witnesses:

H. F. EBERTS,
CHAS. J. HUNT.