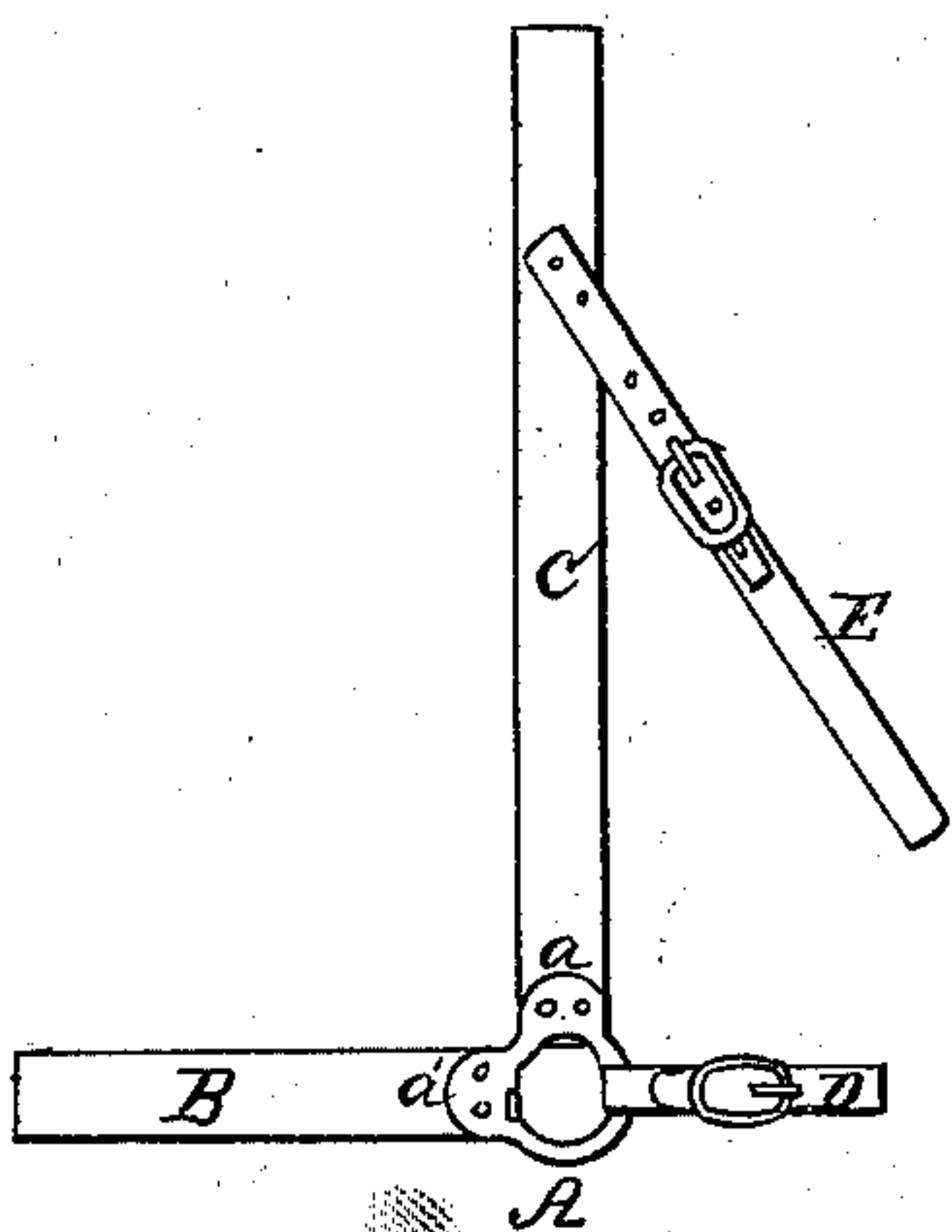
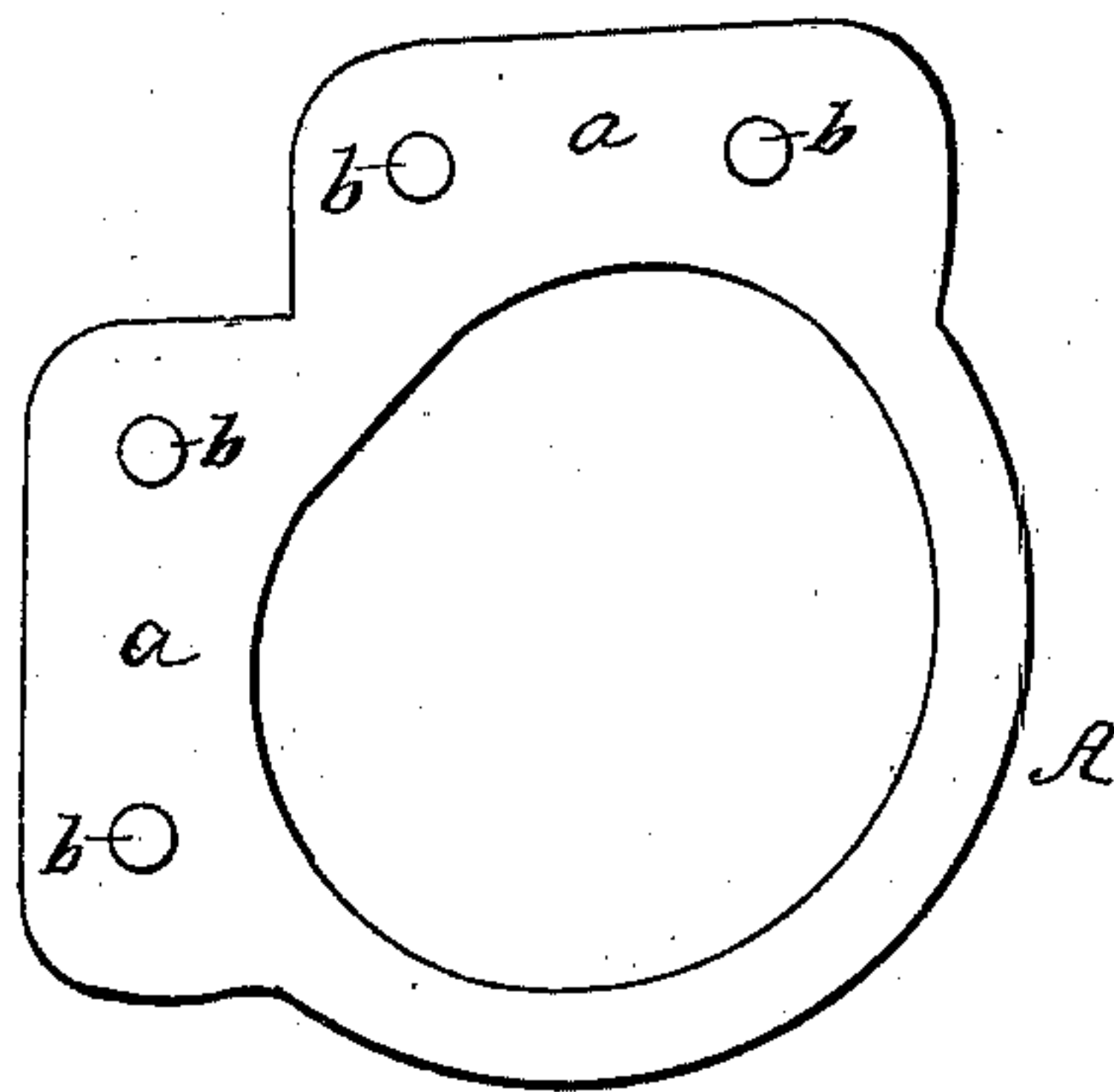


*L.C. Chase,*  
*Halter Ring,*  
*Nº 32,180, Patented Apr. 30, 1861.*

*Fig: 1.*



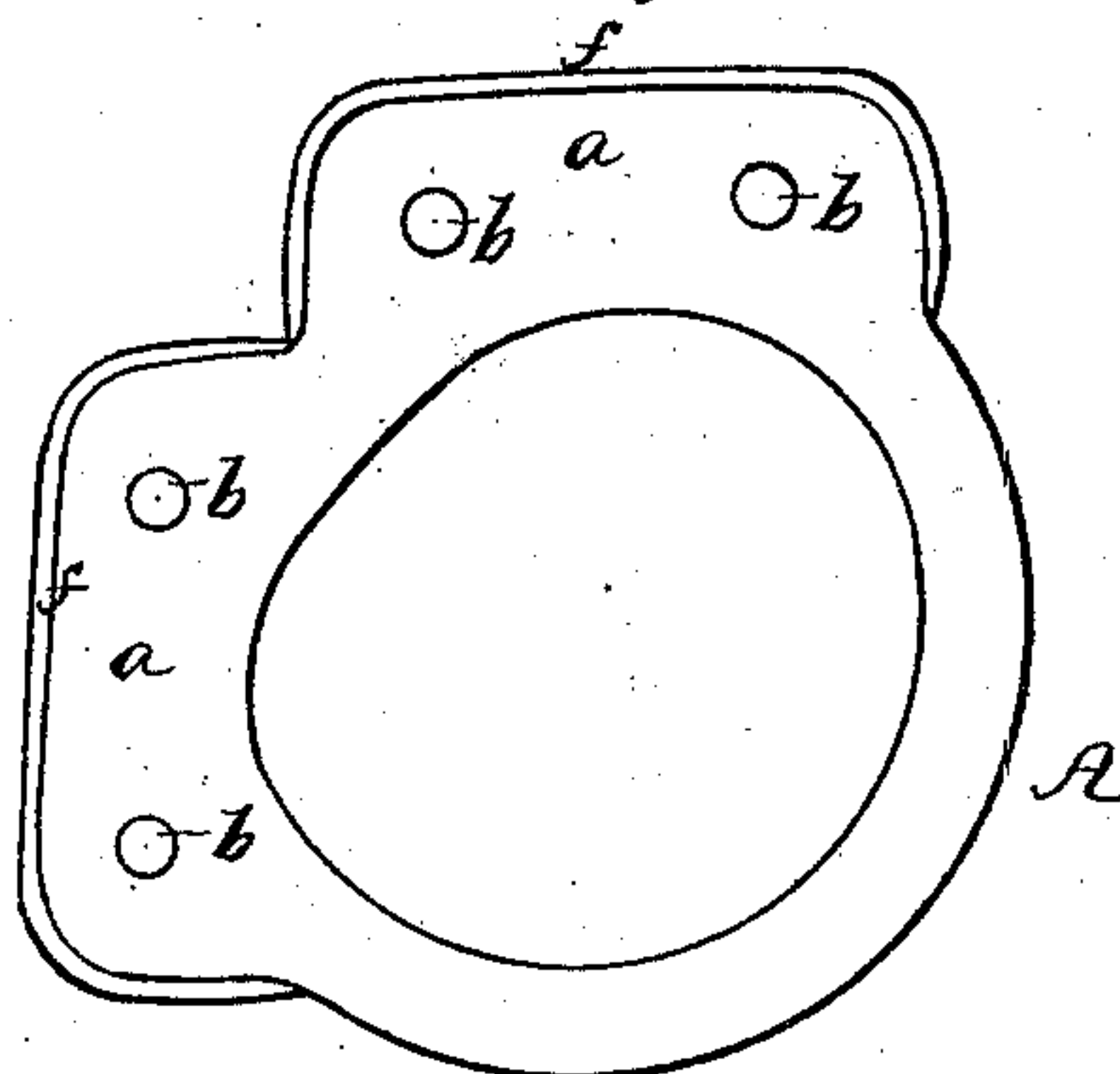
*Fig: 2*



*Fig: 4*



*Fig: 3.*



*Witnesses.*

*Henry F. Chase*  
*Charles E. Pearson*

*Inventor*

*Lucius C. Chase*

# UNITED STATES PATENT OFFICE.

LUCIUS C. CHASE, OF BOSTON, MASSACHUSETTS.

## HALTER-RING.

Specification forming part of Letters Patent No. 32,180, dated April 30, 1861; Reissued July 28, 1863, No. 1,514.

*To all whom it may concern:*

Be it known that I, LUCIUS C. CHASE, of Boston, in the county of Suffolk and Commonwealth of Massachusetts, have invented a new and useful Improvement in Halter-Rings; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a diminished side view of the ring attached to a halter; Fig. 2, an outside view of the ring, (full size); Fig. 3, an inside view of the ring showing the projecting rims, *f f*, on the flanges, *a a*; and Fig. 4 is an edge view of the ring and one of the straps, or bands, turned over and united by rivets.

Like parts are indicated by the same letters in all the figures.

To enable others skilled in the art to make and use my improvement, I will now describe its construction and operation.

The nature of my invention consists, first, in constructing a halter ring (or "dee") with flanges (*a a*) provided with holes (*b b*) so that the straps, or bands, (*i. e.*, the "head-piece" and "nose-piece") may be attached thereto by means of rivets, thereby saving the expense of the leather clasp, in general use, and the labor of sewing, and also making a stronger, neater and more durable article than hitherto employed; and second, in providing the outer edges of the flanges (*a a*) with projecting rims, (*f f*, Fig. 3) so that the ends of the woven straps, being turned under, as shown in Fig. 4, may be covered and protected by said rims and kept from raveling.

I make my rings of the same material as those in general use; but instead of being circular, or in the form of the letter, D, I shape them as represented in Figs. 2 and 3,—the flanges, *a a*, being thinner than the cylindrical part of the ring. The inside of these flanges—that part on which are placed the ends of the straps—is flat; the outside is rounded on the edges, and a little thicker around the rivet-holes, *b b*, which are either cast in, or drilled.

*f f* (Fig. 3) are rims on the outer edges of the flanges, *a a*, and project about one-

eighth of an inch above the flat side of the same,—their object being to cover, and protect, the ends of the woven straps, which are doubled under as shown in Fig. 4, and keep them from raveling out.

Fig. 1 is a side view of the ring and halter,—B being the "nose-piece," C the "head-piece," D the "chin-strap," and E the "throat-band."

The ends of the straps, or bands, B and C, being doubled under, as shown in Fig. 4 and pierced or punched with holes corresponding to the holes, *b b*, are placed in the right position on the flanges, when thin, broad-headed rivets are driven through the holes and headed down on the outside of the flange.

The whole operation is performed with great rapidity as compared with the usual method of attaching the straps to the ring, which is done by means of a broad strip of leather, shaped somewhat like the figure, 8, passed through the ring, brought together so as to clasp the ends of B and C, and then sewed through.

The cost of my rings is but a little more than that of those in general use, so that I not only actually save a large percentage of the usual labor in constructing a halter, but also the cost of the broad strip of leather;—in other words, I save about ten cents per halter, or twenty per cent. of the whole expense. And not only this, but, as there is nothing, in my improvement, to rip, crack or chafe, I produce a stronger, more durable and neater article than any known or used before.

It is also obvious that a ring, constructed substantially like mine, may be applied, to advantage, in the manufacture of all kinds of harness, especially where woven straps are used.

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

Constructing a halter "dee," or ring, with flanges, *a a*, provided with rivet holes, *b b*, and projecting rims, *f f*, substantially as described and for the objects specified.

LUCIUS C. CHASE.

Witnesses:

HARRY F. CHASE,  
CHARLES E. PEARSON.