

C. C. LEE.
Harness Buckles.

No. 139,253.

Patented May 27, 1873.

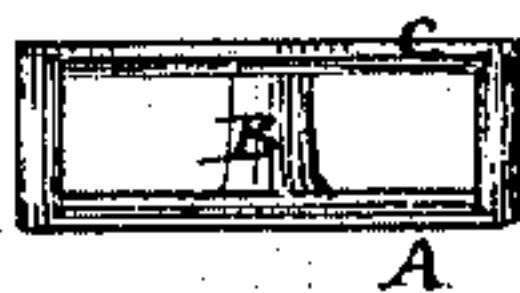
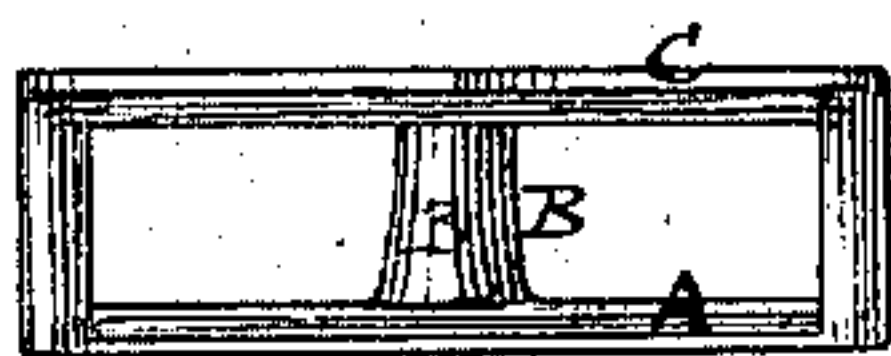
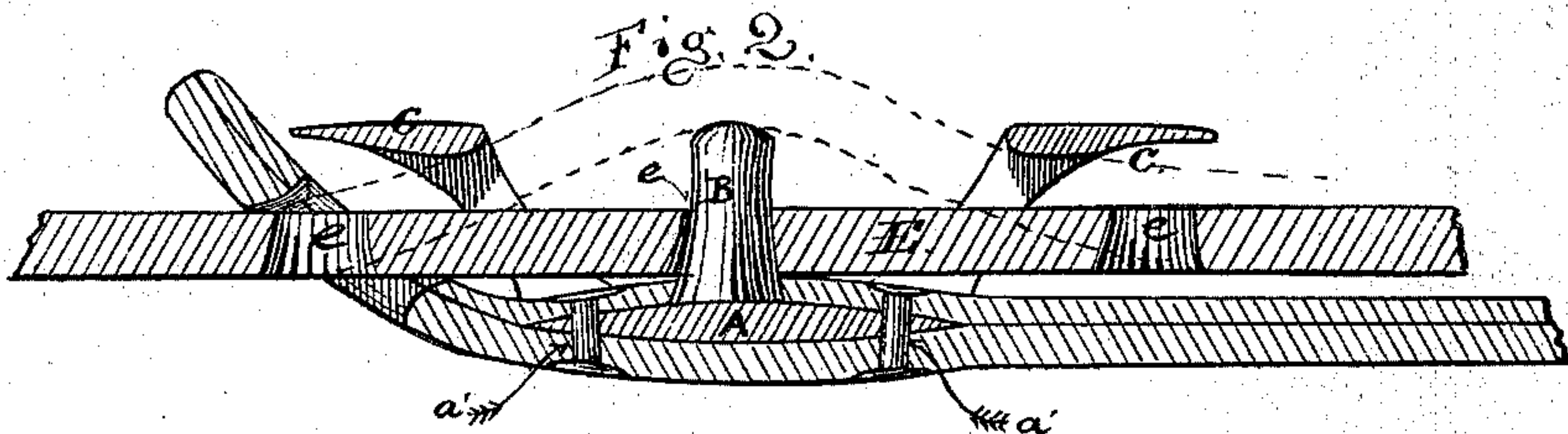
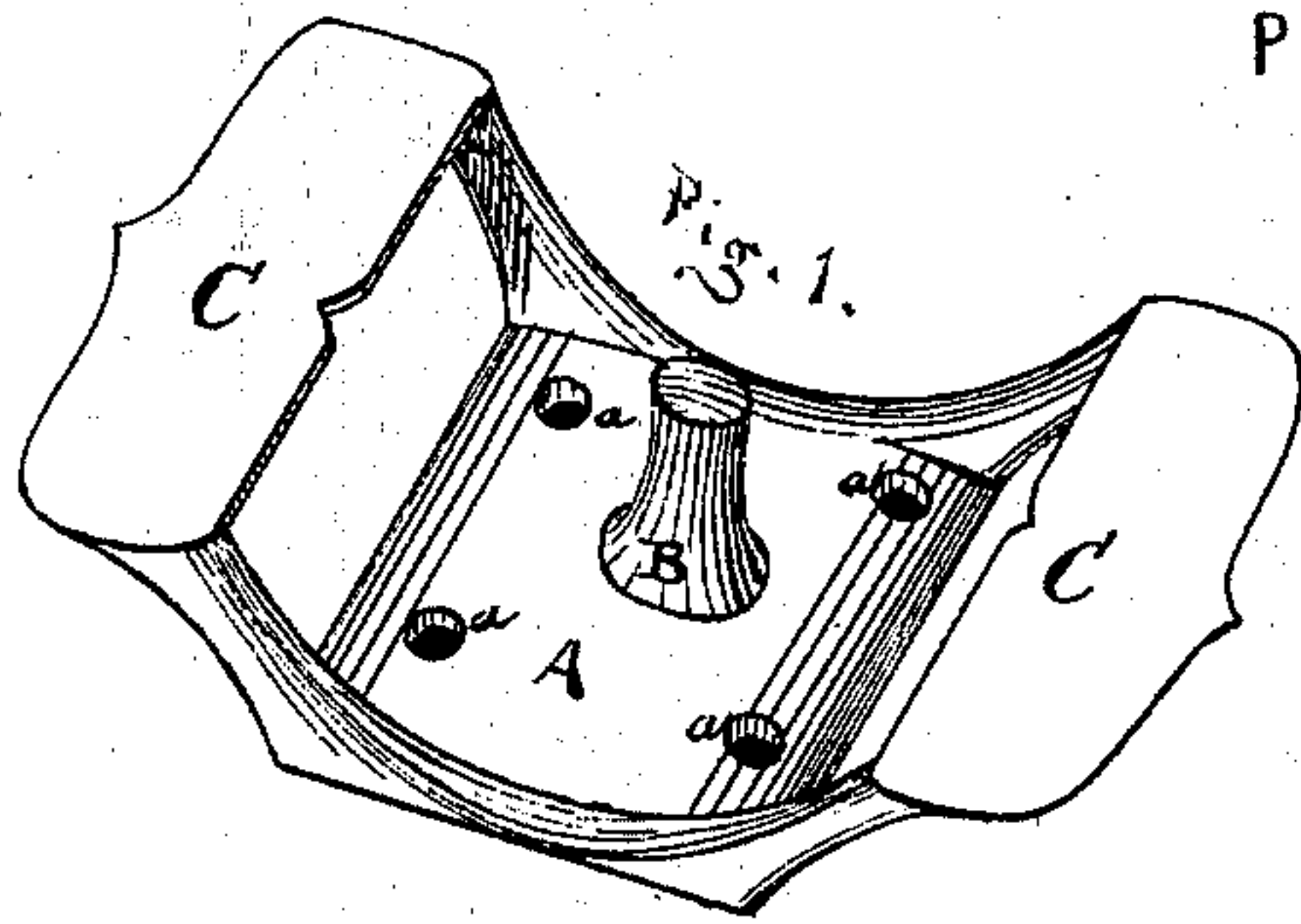


Fig. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES C. LEE, OF FALLS CHURCH, VIRGINIA.

IMPROVEMENT IN HARNESS-BUCKLES.

Specification forming part of Letters Patent No. 139,253, dated May 27, 1873; application filed February 13, 1871.

To all whom it may concern:

Be it known that I, C. C. LEE, of Falls Church, in the county of Fairfax and State of Virginia, have invented a new and useful Improvement in Harness-Buckles; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, in which—

Figure is a perspective view of my buckle. Fig. 2 is a longitudinal section showing the same attached and in operative position. Fig. 3 shows in end elevations the various sizes and proportions of the same.

This invention relates to that class of buckles known as rigid-tongue buckles; and it consists in a bed-plate having a rigid loop at either end and a rigid and slightly conical projection at its center to form the rigid tongue, the whole to be constructed and attached in the manner hereinafter set forth.

That others may fully understand my invention, I will particularly describe it.

A is the bed-plate formed with the solid and slightly conical projection B at its center. This projection forms the tongue. At each end of the plate A are formed the loops C C, slightly exceeding in height the tongue B, so that they may be molded and cast without cores, and with as much lateral breadth as will admit a strap of the desired width. In Fig. 3 are shown in end elevations the various standard sizes required for ordinary harness work, though, of course, any other dimensions may be employed as required for any particular locality or use. Four or any other required number of holes, *a*, are made through the bed A to admit the required num-

ber of rivets *a'*, by means of which the buckle is secured to the leather straps or other surface to which it is to be attached. The strap E, designed to be adjusted by means of my buckle, is provided with holes, *e*, in the usual manner. It is then passed through the loops C C, as shown in dotted lines, Fig. 2, and pulled through until the desired adjustment is secured, when the strap is permitted to settle down and the tongue B to penetrate one of the holes, as shown in Fig. 2. To loosen or shift the strap, it is only required to raise that part between the loops C until it is clear of the tongue B. The strap may then be pulled through the loops until the required adjustment is obtained. The rivets *a' a'* secure the bed-plate of the buckle directly to the strap, so that there is no necessity that said strap should be folded back over the buckle and secured to itself, as has hitherto been done. This is a material advantage, as less leather is required and greater firmness of attachment is obtained.

Having described my invention, what I claim as new, is—

The harness-buckle above described, constructed with the bed-plate A, stationary tongue B, loops C C, extending beyond said bed-plate, so that the whole may be cast in one piece without cores, and holes through said bed-plate, whereby the buckle may be secured to the strap by rivets, *a'*, and without sewing.

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Witnesses:

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