

F. C. Richter,

Buckle.

No. 82,689.

Patented May 4, 1869.

Fig. 1.

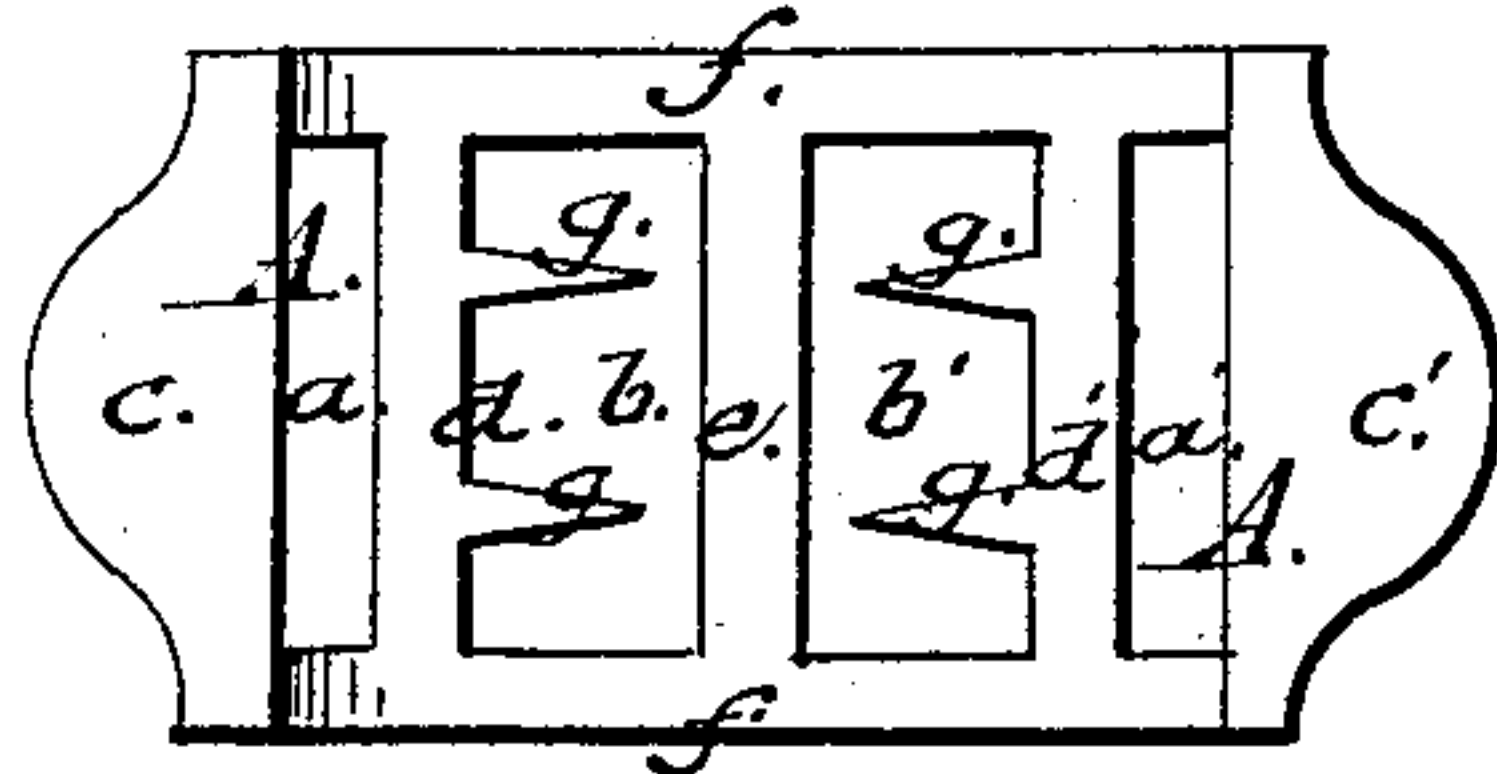


Fig. 2.

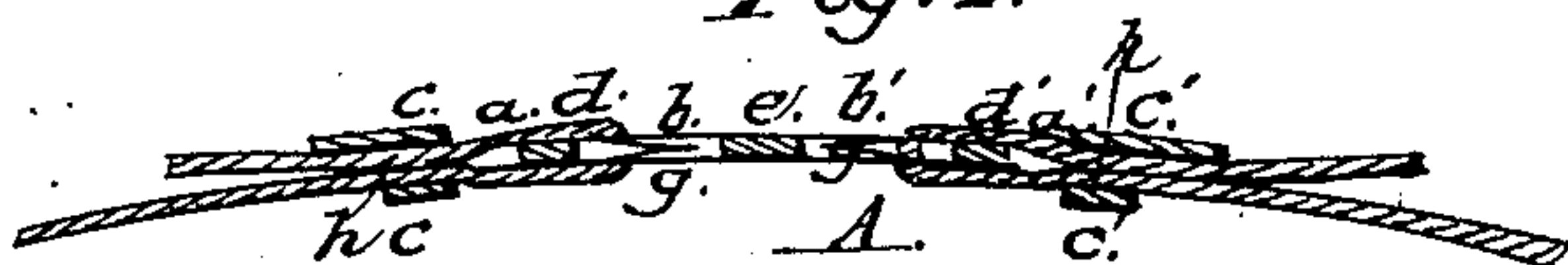


Fig. 3.

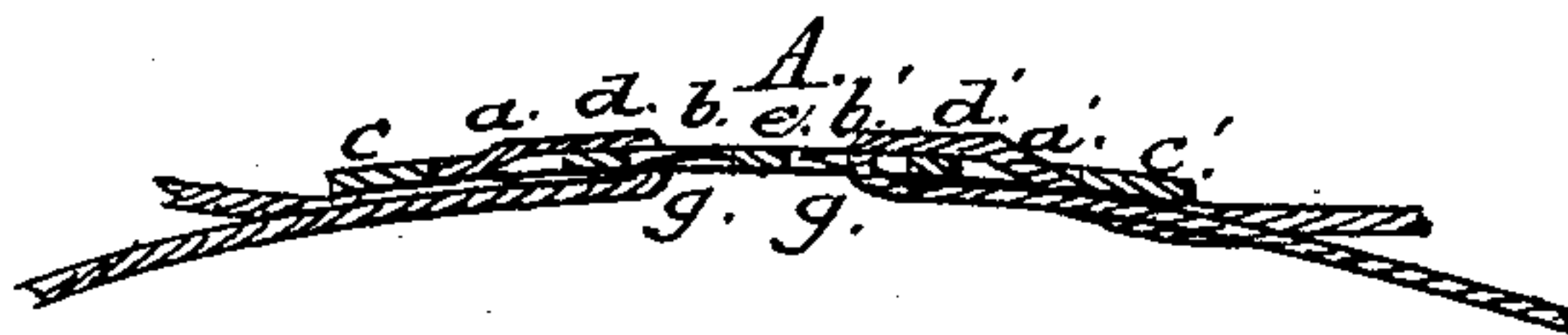
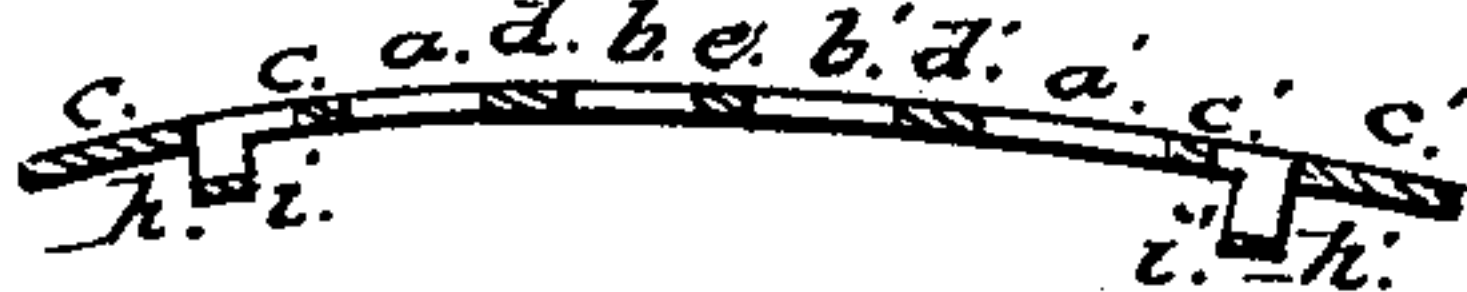


Fig. 4.



Witnesses:

*Amelia
M. P. Brooks*

Inventor:

*F. C. Richter
Per. Wm. Loe
Att'y.*

United States Patent Office.

F. C. RICHER, OF GILMER, TEXAS.

Letters Patent No. 89,689, dated May 4, 1869.

IMPROVEMENT IN BUCKLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, F. C. RICHER, of Gilmer, Upshur county, Texas, have invented a new and improved Buckle; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a plan or top view of my improved buckle.

Figures 2, 3, and 4, are vertical longitudinal sections of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new buckle, which does not require to be sewed to either of the straps which it is to connect, and which will securely fasten and hold the said straps or bands in any desired position.

The invention consists, first, in the use of a buckle which has four transverse slots, with teeth on the inner cross-bars; and, secondly, in providing a buckle with slotted end-bars, that is to say, with horizontal apertures through the ends, through which the strap to be held is passed, as hereinafter more fully described.

A, in the drawing, represents a buckle, made of sheet-metal, or other suitable material, and provided with four transverse slots or apertures, *a a'*, *b b'*, so that it has, consequently, five cross-bars, *c c'*, *d d'*, *e*, and two side-bars, *f f'*.

The cross-bars *d d'* have teeth, *g*, projecting into the apertures *b b'*, as shown, and may also have teeth on their outer edges, if desired.

The strap to be fastened is passed through the aperture *b*, and around the bar *d*, back through the aperture *a*, and under the end-bar *c*, as indicated in fig.

3. The teeth *g*, piercing it, hold it firmly in place. The other strap is, in a similar manner, fitted through the aperture *b'*, around the bar *d'*, and out through *a'*. The straps will thus be firmly held in place.

The end-bars *c c'* may be made quite thick, so as to admit the formation of horizontal apertures, *h h'*, through them, as shown in fig. 2. In this case, the straps to be fastened are fitted through these apertures *h h'*, over the bars *d d'*, and back again through the same apertures *h h'*, as in fig. 2. They are thus still more securely held, and the ends of the straps are held down out of the way.

This latter improvement, of perforating the end-bars horizontally, may be applied to all kinds of buckles, whether the same have one or more vertical apertures. The end-bars *c c'* may, in this case, be straight, as shown, or rounded, in suitable manner.

The apertures *h h'*, through the end-bars *c c'*, can be formed by cutting transverse incisions through them, and by forcing the bars *i i'*, formed by these incisions, down, to form the apertures between the pressed-down parts and the body of the buckle, as in fig. 4.

Having thus described my invention,

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

1. A self-fastening buckle, consisting of four transverse slots and five cross-bars, of which two are provided with teeth, substantially as herein shown and described.

2. A self-fastening buckle, whose ends, *c c'*, are horizontally perforated, to admit the straps through them, substantially as herein shown and described.

F. C. RICHER.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.