

(No Model.)

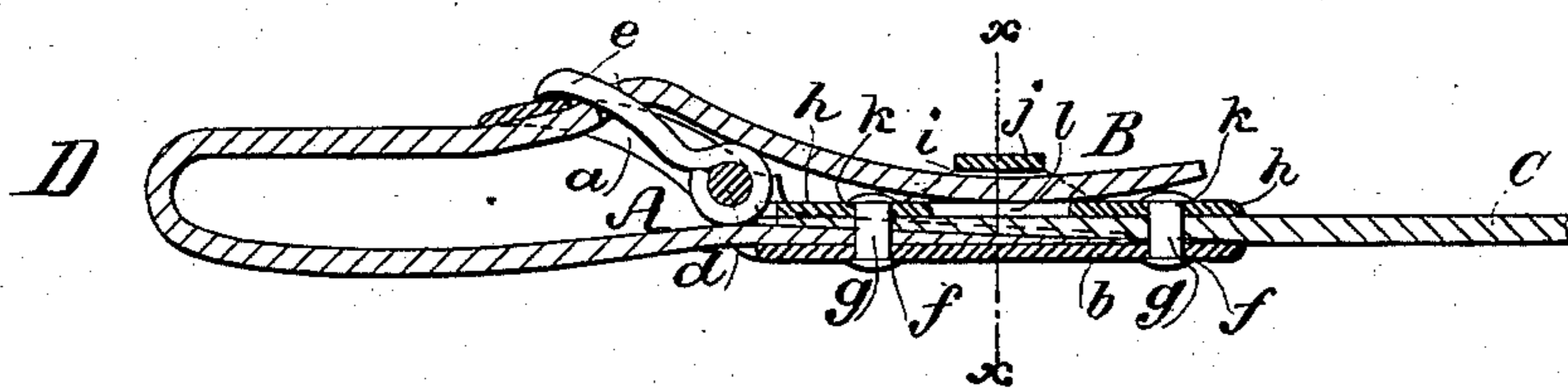
LA FAYETTE HARTSON.

HARNESS BUCKLE AND LOOP.

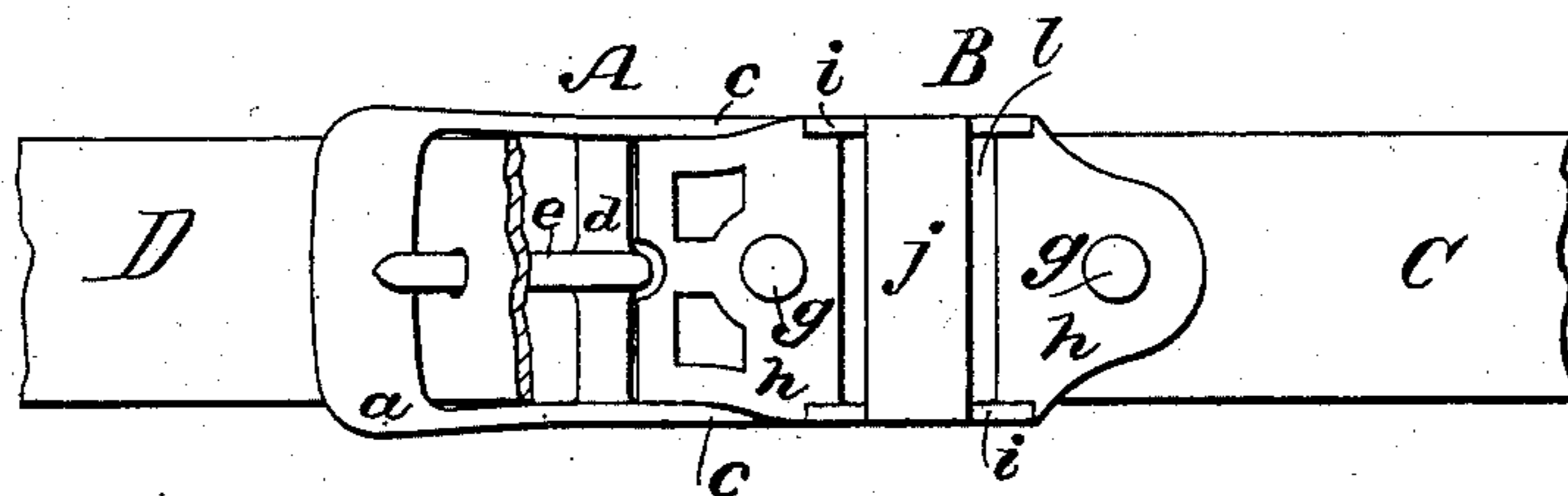
No. 281,870.

Patented July 24, 1883.

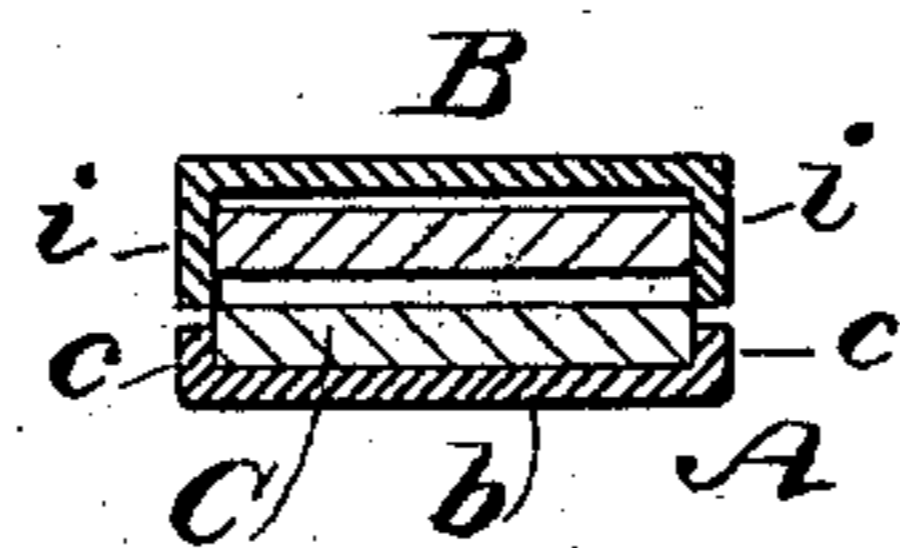
*Fig. 1.*



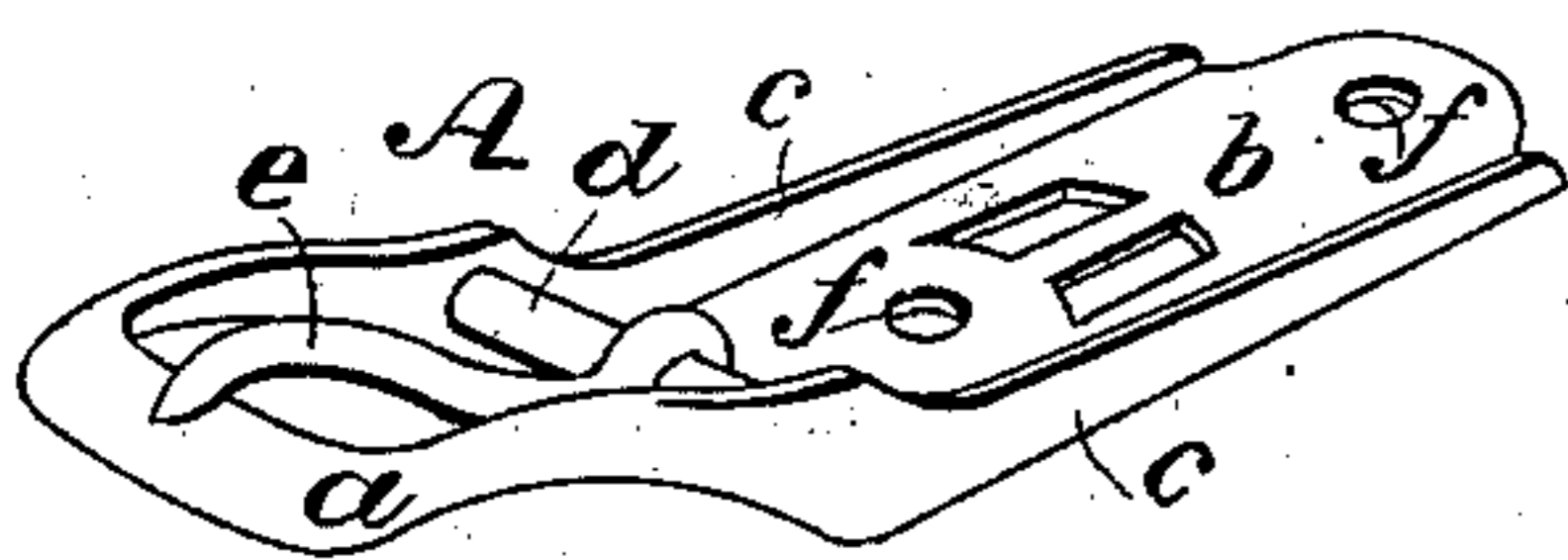
*Fig. 2.*



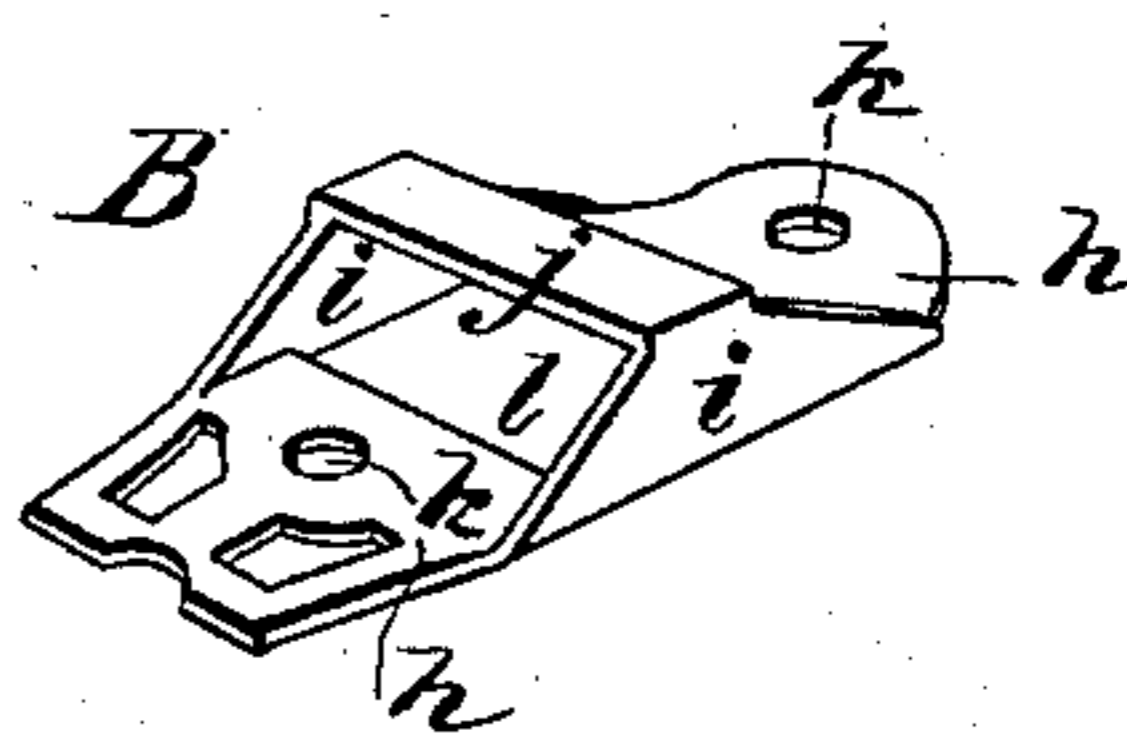
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LA FAYETTE HARTSON, OF WYOMING, IOWA.

## HARNESS BUCKLE AND LOOP.

SPECIFICATION forming part of Letters Patent No. 281,870, dated July 24, 1883.

Application filed April 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, LA FAYETTE HARTSON, of Wyoming, in the county of Jones and State of Iowa, have invented a new and Improved  
5 Harness Buckle and Loop, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate  
10 corresponding parts in all the figures.

Figure 1 is a sectional elevation of my new and improved buckle and loop as they appear when attached to a strap and billet. Fig. 2 is a plan view of the same, the billet being  
15 broken away. Fig. 3 is a sectional elevation taken on the line *x x* of Fig. 1. Figs. 4 and 5 are respectively perspective views of the buckle and loop.

This invention relates to an improvement  
20 in harness-buckles; and it consists of the combination and arrangement of parts, substantially as hereinafter fully set forth and claimed.

Referring to the drawings, A represents the buckle, and B represents the metallic loop.  
25 The frame *a*, tang-plate *b*, side flanges *c c*, and cross-piece *d* of the buckle are cast in one piece. The tongue *e* of the buckle is attached to the center of the cross-piece *d* in the ordinary way, and the tang-plate *b* has the orifices *f f* made through it for the passage of  
30 the rivets *g g*, by which the buckle is secured to the end of the strap C. The loop is cast with the end plates, *h h*, side flanges *i i*, and central cross-piece, *j*, as shown clearly in Fig.  
35 5. The plates *h h* have the orifices *k k* formed through them, through which rivets pass for securing the loop in place upon the strap, and between the adjacent edges of the plates *h h* is left the opening *l*, which is of greater width  
40 than the cross-piece *j*, thus enabling the loop to be cast without the use of a core, which is of great advantage, since it effects a great saving in the cost of manufacture. The edges of the side plates *i i* of the loop B are slanted  
45 from the central cross-piece, *j*, on both sides thereof, down to the plates *h h*, as shown

clearly in Fig. 5, so that they serve to guard the cross-piece *j* and prevent the loop from being caught and torn off from the harness or injured in case the harness is rubbed by the animal against a wall or other object. The orifices *k k* in the loop are made to correspond with the orifices *f f* in the tang-plate *b* of the buckle A, so that both the buckle and loop may be secured to the strap C by the same rivets, as will be understood from Figs. 1 and 2, which effects a saving in the labor and expense of attaching the buckle and loop.

Although the buckle and loop may be used in a great variety of places, they are more especially intended for use upon the ends of lines, and in similar places where billets are used in connection with the main strap, and when so used the billet D will be held between and by the buckle and loop, as shown in Fig. 1, the billet D and main strap C being secured together, and the buckle and loop secured to them by the rivets *f*, thus avoiding the labor of stitching the buckle-loop and billet to the main strap, as is the usual practice, and also avoiding all danger of these parts ripping off. Besides, by this construction the attachment is very simple and neat, yet strong and durable, and the buckle and loop are inexpensive, since cores are not required in casting them.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The buckle having the tang-plate *b*, provided with orifices *f f*, in combination with the metallic loop B, with its plates *h h*, provided with orifices *k k*, and the straps C D, with their meeting or lapping portions inserted or interposed between and riveted to the plate *b* of the buckle and the plates *h h* of the loop, substantially as and for the purpose set forth.

LA FAYETTE HARTSON.

Witnesses:

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A. R. HOSKINS.