

(No Model.)

2 Sheets—Sheet 1.

S. FUNK.  
TUG BUCKLE.

No. 294,028.

Patented Feb. 26, 1884.

FIG. 1.

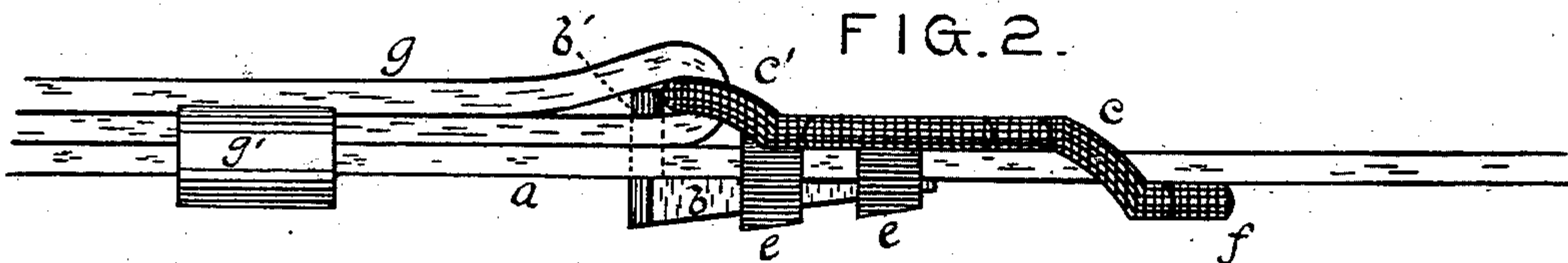
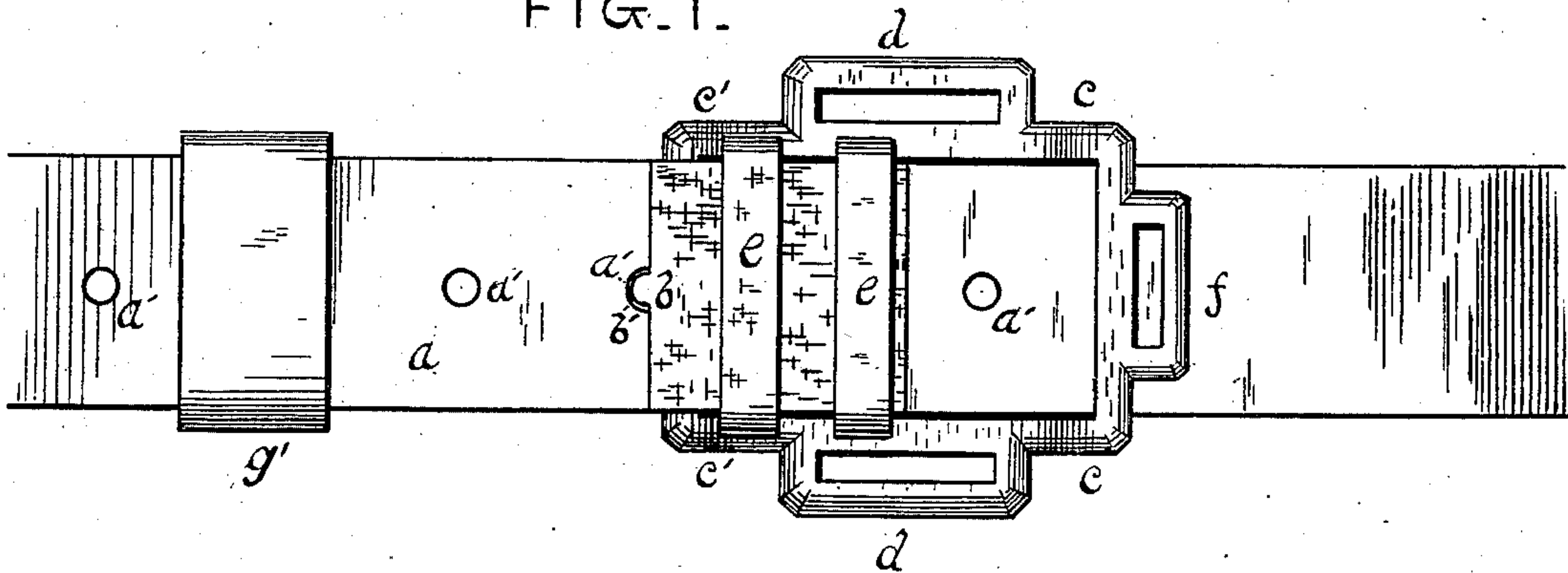
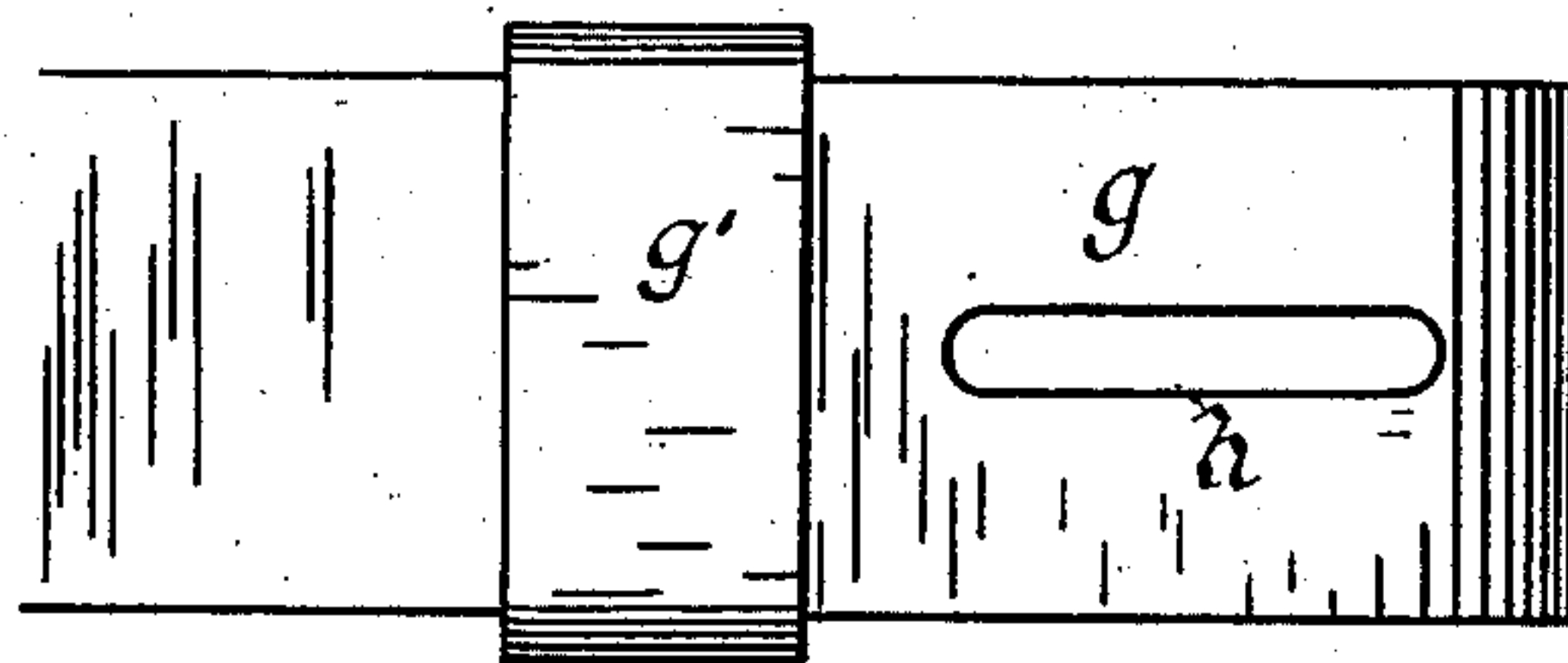


FIG. 3.



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FIG. 4.

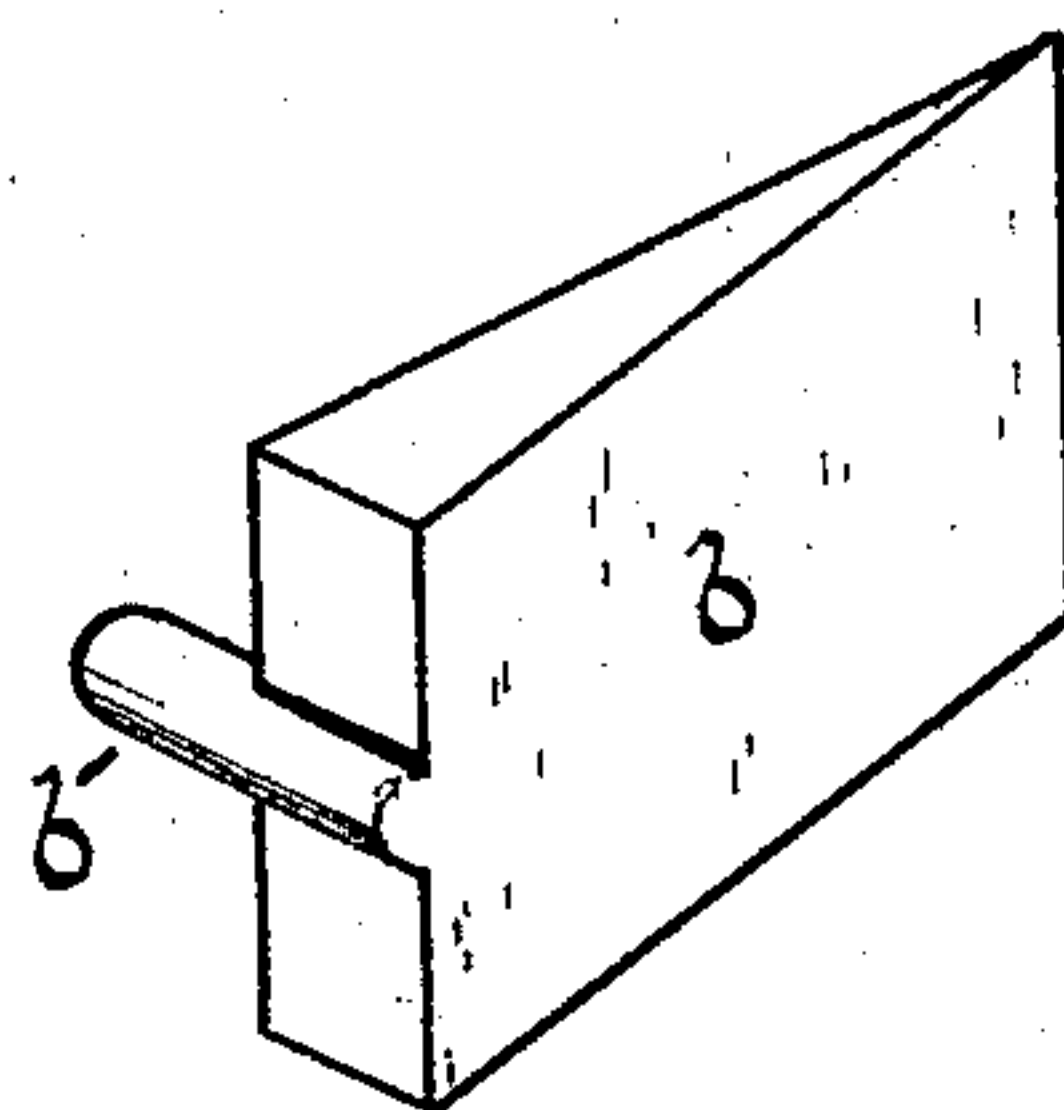
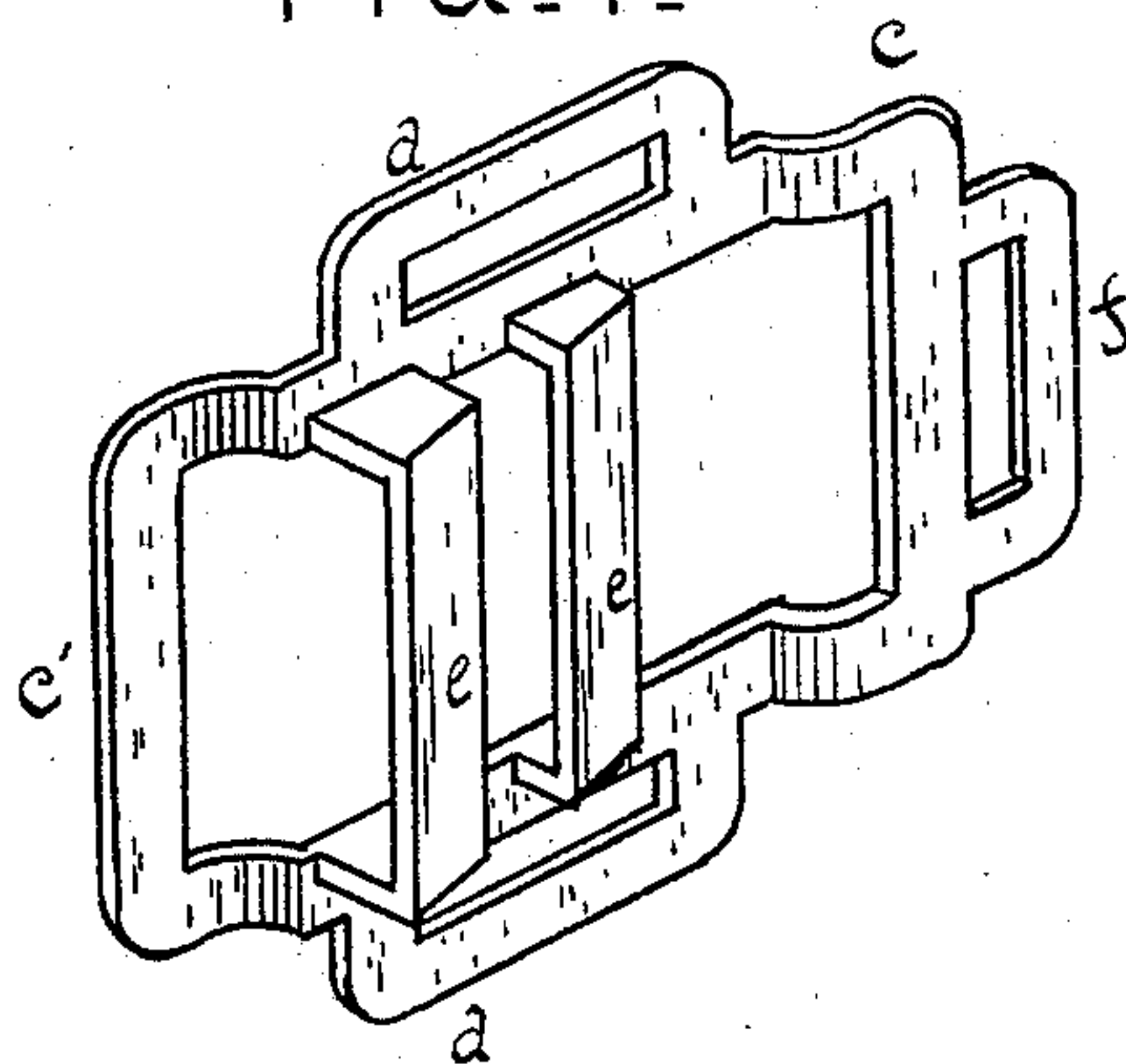


FIG. 5.

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# UNITED STATES PATENT OFFICE.

SAMUEL FUNK, OF DECATUR, ILLINOIS.

## TUG-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 294,028, dated February 26, 1884.

Application filed December 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL FUNK, a resident of the city of Decatur, county of Macon, and State of Illinois, have invented certain new and useful Improvements in Tug-Buckles, of which the following is a specification, sufficiently full, clear, and exact to enable any one skilled in the art to which it relates to make and use the same.

10 The object of my invention is to produce a tug-buckle that will permit the adjustment of the tug in the buckle without bending the leather; and the peculiarities of the device used by me to effect the above-mentioned result will be hereinafter set forth by reference  
15 to the accompanying drawings, in which—

Figure 1 is a side elevation of a section of the tug, showing the buckle in position thereon. Fig. 2 is an edge view of Fig. 1, showing  
20 the buckle, tug, and hame-tug. Fig. 3 represents a side view of the hame-tug. Fig. 4 is a perspective view of the buckle-frame, and Fig. 5 a similar representation of the tongued wedge used to adjust the tug in its various positions relative to the buckle.

25 *a* is the tug, provided with perforations *a'*.

*c c' d f* is the buckle-frame, provided with loops *e e*.

30 *g* is the hame-tug, provided with elongated perforation *h* and customary loops, *g'*. The hame-tug is secured to the bar of the buckle between *c' c'*; and *d d f* furnish points of attachment for the back, belly, and hip straps, respectively.

35 To attach the tug to the buckle when secured as above stated, the end of the tug is passed behind *f*, through *e e*, and in front of

the hame-tug *g* to a distance slightly beyond the position desired; then the projection *b'* of wedge-plate *b* is passed through a hole, *a'*,  
40 in the tug and into the elongated perforation *h* of the hame-tug, after which the attachment is completed by drawing the wedge into loops *e e*, with its projection *b'* against the buckle-bar, as indicated in Fig. 2. In passing  
45 the end of the tug through the buckle the motion is from left to right, when the device is in the position shown in the drawings, and the dotted line in Fig. 1 indicates the position of the thick end of wedge-plate *b* when placed in  
50 position on the tug, and before the final adjustment has carried it into place in loops *e e*.

In adjusting the length of the tug the operation is similar to that above described, the wedge being first drawn out of loops *e e* and detached from the tug, after which the tug is ad-  
55 justed with the proper perforation in position to receive the projection *b'*. (See dotted line in Fig. 1.) The wedge being compelled to partake of the longitudinal motion of the tug, and  
60 such motion carrying said wedge in contact with loops *e e*, and its projection *b'* against the buckle-bar, farther motion in that direction is absolutely barred.

I claim—

65 The combination of frame *c c'*, having loops *e e*, wedge *b*, provided with projection *b'*, and hame-tug *g*, provided with elongated perforation *h*, as and for the purpose set forth.

SAMUEL FUNK.

Attest:

FRANK WILLIAMS,  
W. A. WILLIAMS.