

(No Model.)

E. H. GOULD.  
KNIFE BLADE HOLDER.

No. 381,233.

Patented Apr. 17, 1888.

Fig. 1.

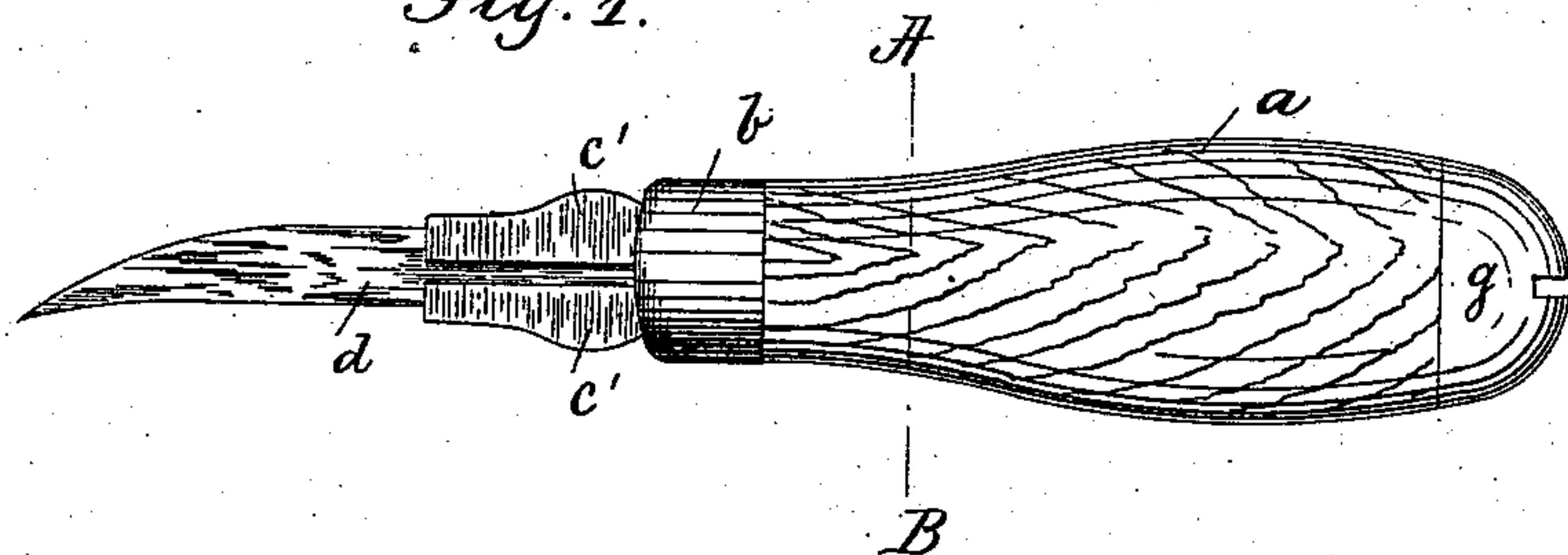


Fig. 2.

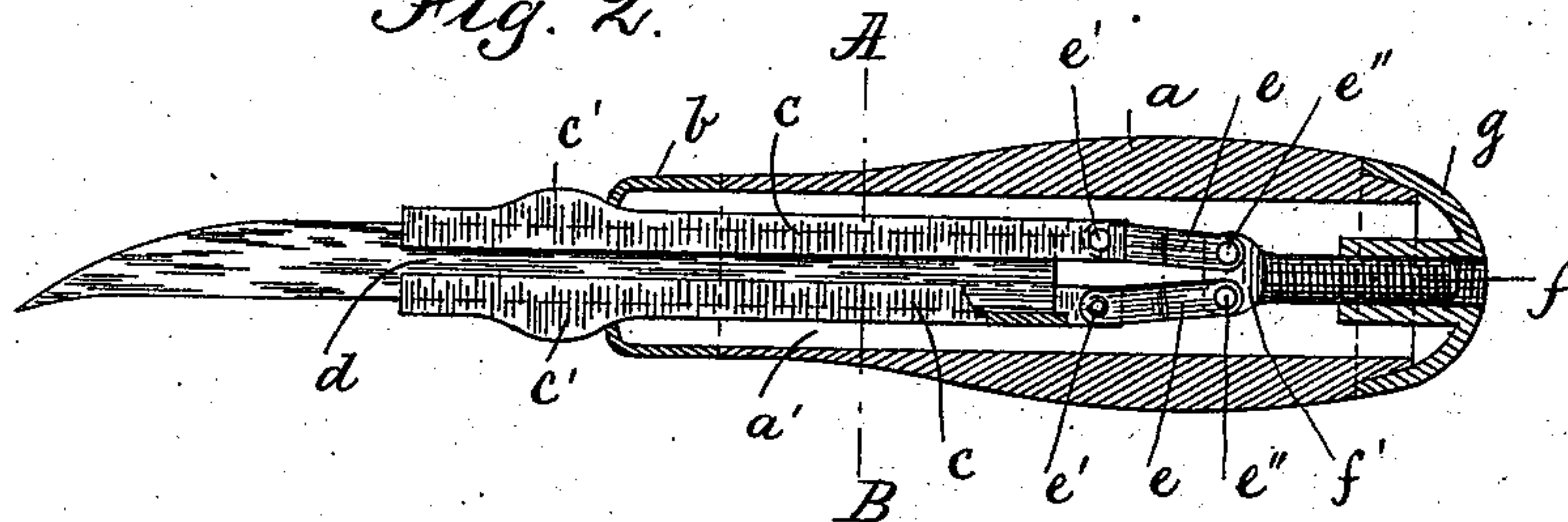
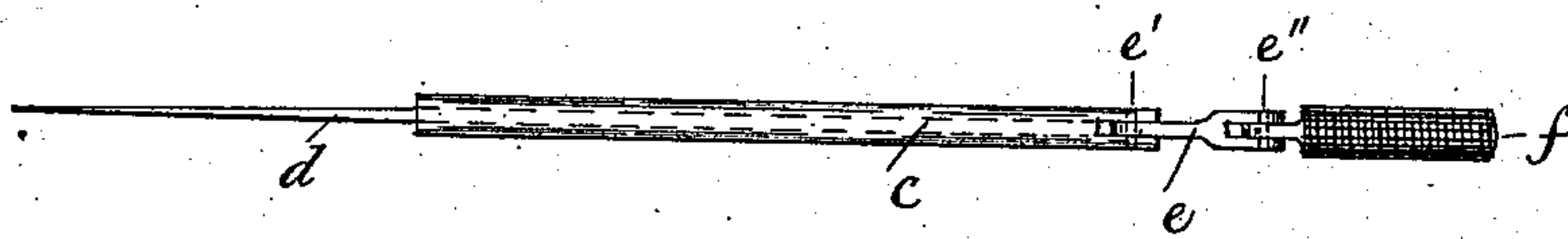


Fig. 3.



Witnesses.  
Helen S. Andren.  
E. J. Torrey.

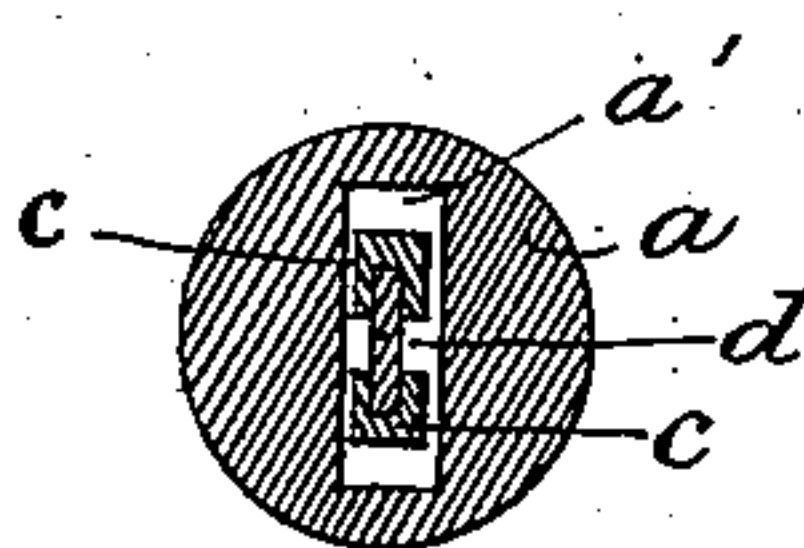


Fig. 4.

Inventor.

Eugene H. Gould.

by Alban Andren, his atty.



# UNITED STATES PATENT OFFICE.

EUGENE H. GOULD, OF BEVERLY, MASSACHUSETTS.

## KNIFE-BLADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 381,233, dated April 17, 1888.

Application filed February 23, 1888. Serial No. 264,909. (No model.)

*To all whom it may concern:*

Be it known that I, EUGENE H. GOULD, a citizen of the United States, and a resident of Beverly, in the county of Essex and State of Massachusetts, have invented new and useful Improvements in Knife-Blade Holders, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in knife-blade holders of the kind usually employed for cutting boot or shoe uppers; and it consists, in connection with a handle, of an improved adjustable clamping mechanism, by which means blades of varying widths can be held and firmly secured in place between the grooved clamping-bars of the device and in such a manner that said grooved clamping-bars shall be forced and held against opposite edges of the blade with equal pressure from one end to the other of the entire length of said clamping bars.

The device is constructed as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the invention. Fig. 2 represents a central longitudinal section of it; and Fig. 3 represents an edge view of the blade and the clamping mechanism. Fig. 4 represents a cross-section on the line A B, shown in Figs. 1 and 2.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

*a* is the handle, preferably made of wood and provided with an internal oblong opening, *a'*, going completely through it from one end to the other. To one end of said handle is fitted the capped ferrule *b*, having an oblong slot in its end in a line with the oblong opening *a'* in the handle. Within the slotted handle *a* are located the internally-grooved clamping-bars *c c*, adapted to receive the shank of the knife *d*, as shown. The clamping-bars have near their outer ends suitable cam projections, *c' c'*, which come in contact with the internal edges of the slotted ferrule *b*, when the said clamping-bars are drawn into the handle, and thus cause the said bars to be clamped firmly against opposite edges of the knife or blade *d*.

So far the invention in construction and op-

eration is similar to that shown and described in the Letters Patent granted to Samuel A. Cummings, December 5, 1865, No. 51,297; but it is essential that the inner ends of the clamping-bars, as well as their entire length, should grasp and hold the blade equally firm with their outer ends, and that the said clamping-bars should be so arranged and operated that they will be capable of holding blades of varying sizes, and for this purpose I pivot to the inner ends of said clamping-bars at *e' e'* the links *e e*, the inner ends of which are pivoted at *e'' e''* to the head *f'* of the clamping-screw *f*, around which is screwed the usual nut, *g*, that forms the rear end of the handle *a*, and is capable of being turned around its axis, as is usual in devices of this kind.

The operation of the invention is as follows: By turning the nut *g* toward the left and pressing it against the end of the handle, while the latter is held with one hand, the screw *f* is forced inward, causing the clamping-bars *c c* to move forward and allow them to expand laterally during their entire length by reason of the disengagement of the cams *c' c'* from the edges in the slotted ferrule *b*, combined with the pivoted links *e e*, that form an expansive connection between the inner ends of the said clamping-bars and the head *f'* of the screw *f*. The blade to be used is then inserted in the grooves of the clamping-bars, after which the nut *g* is turned toward the right, causing the screw *f* to move toward the rear end of the handle, and in so doing the outer ends of the clamping-bars are forced against opposite edges of the blade by the influence of the cam projections *c' c'*, and the slotted ferrule *b*, at the same time as the inner ends of said clamping-bars are automatically and positively forced against opposite edges of the inner end of said blade *d* by the influence of the pivoted links *e e*, that connect said clamping-bars with the head of the screw *f*, as shown in Fig. 2.

This device is very simple in construction, positive in its action, and will cause the clamping-bars to be automatically forced with equal pressure during their entire lengths against opposite edges of the blade, thus preventing the latter from working loose while the device is in use.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

A knife-blade holder consisting of the longitudinally-grooved handle *a*, its capped and grooved ferrule *b*, and threaded nut *g*, in combination with the grooved clamping-bars *c c*, having cam projections *c' c'* at or near their outer ends, links *e e*, pivoted to the inner ends  
10 of said clamping-bars, and the adjustable

screw *f*, pivoted in its inner end to the said links *e e*, as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 20th day of February, A. D. 1888.

EUGENE H. GOULD.

Witnesses:

ALBAN ANDRÉN.

E. J. TORREY.