

(No Model.)

H. L. TRUEBLOOD.  
COMBINATION SAW TOOL.

No. 603,491.

Patented May 3, 1898.

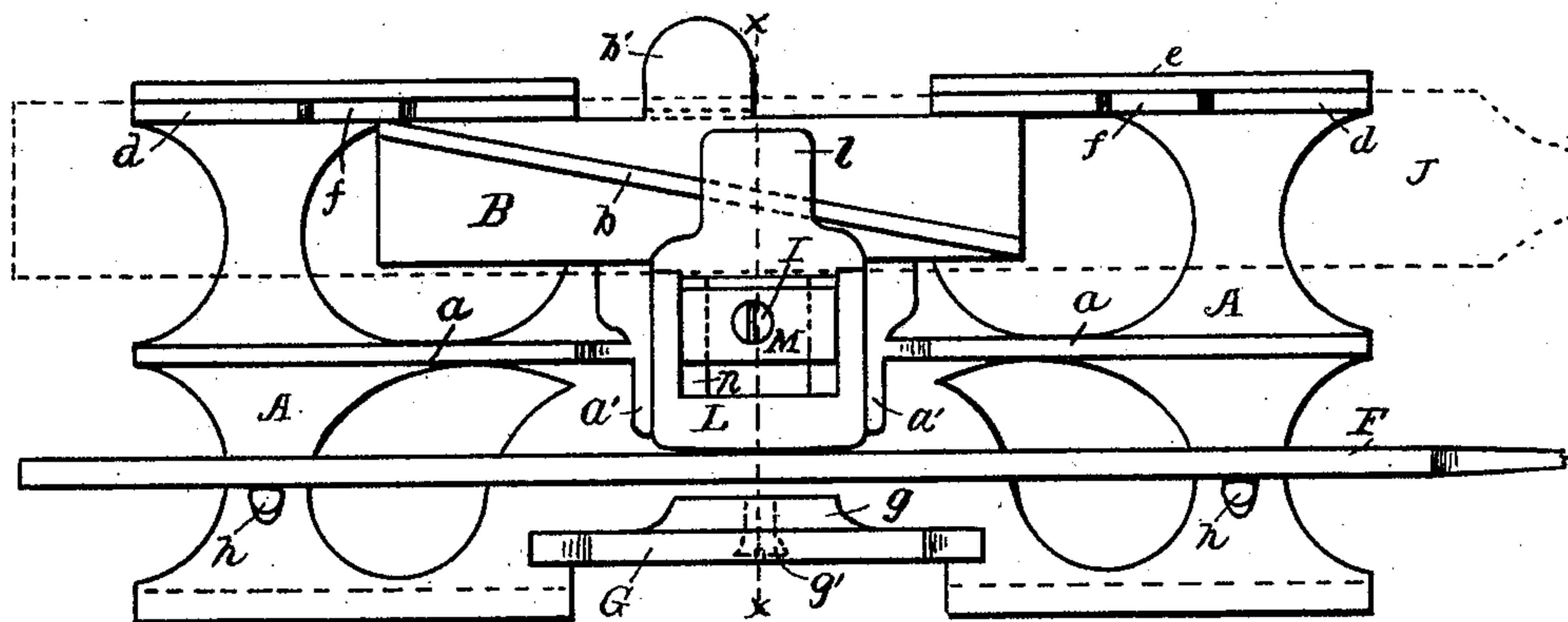


Fig. 1

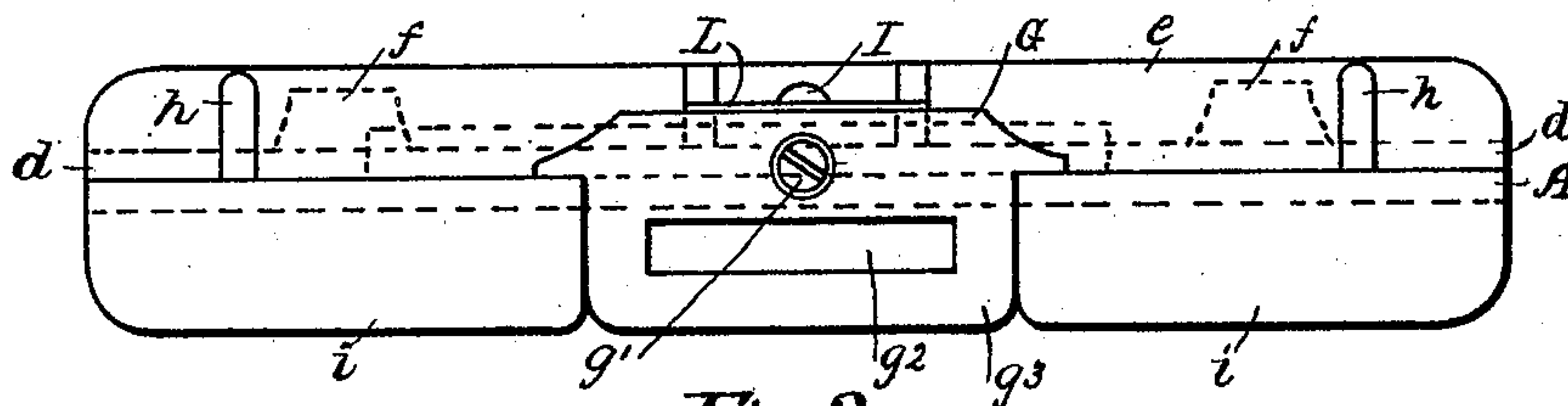


Fig. 2.

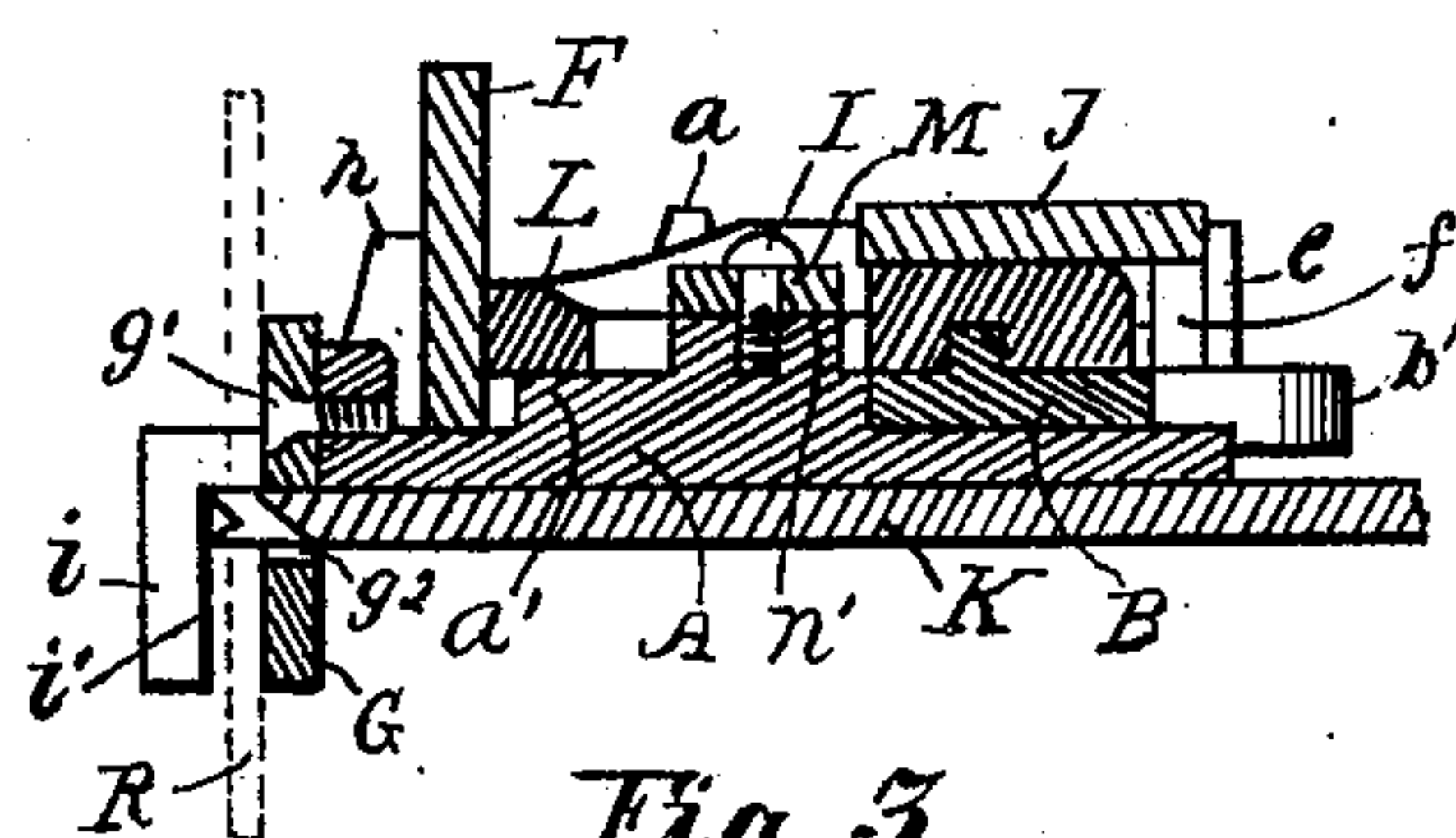


Fig. 3.

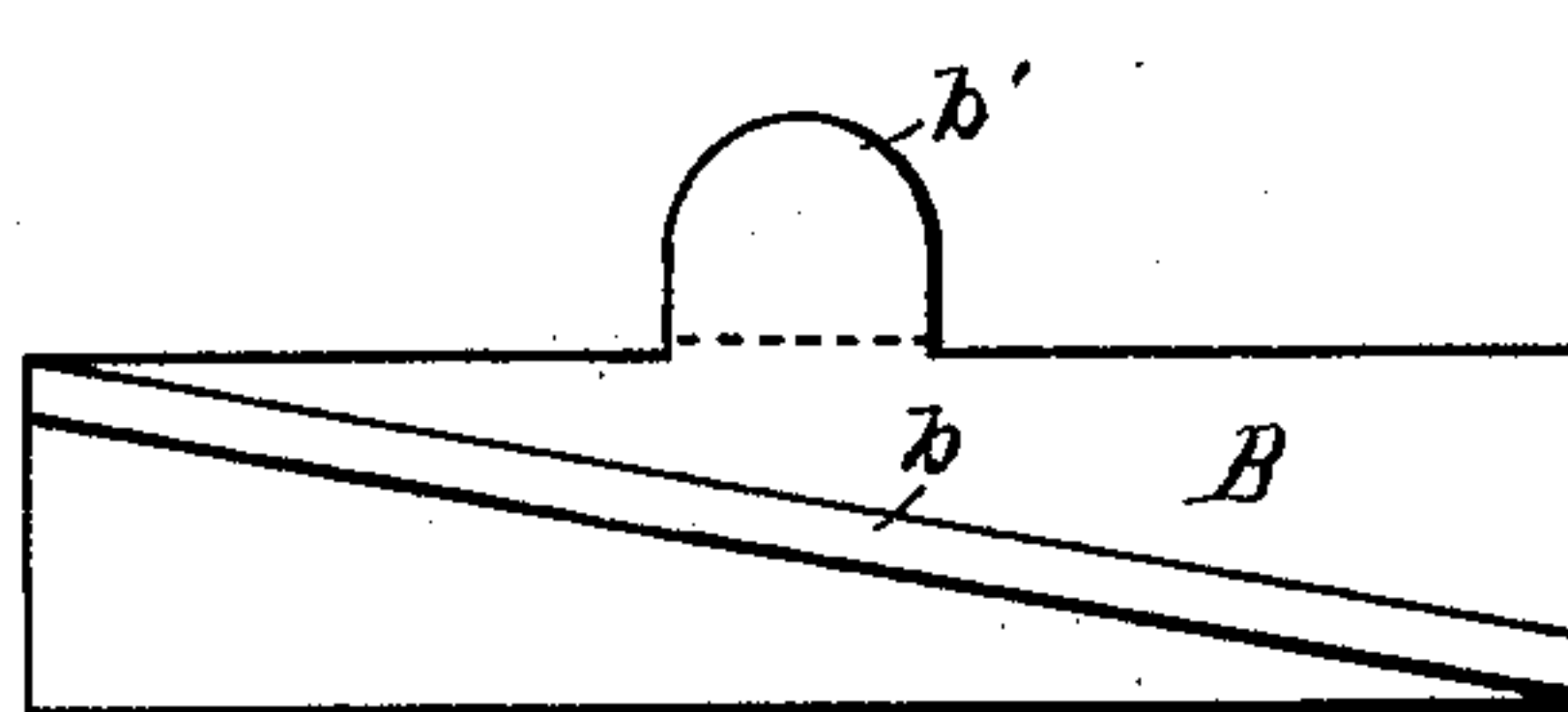


Fig. 4.

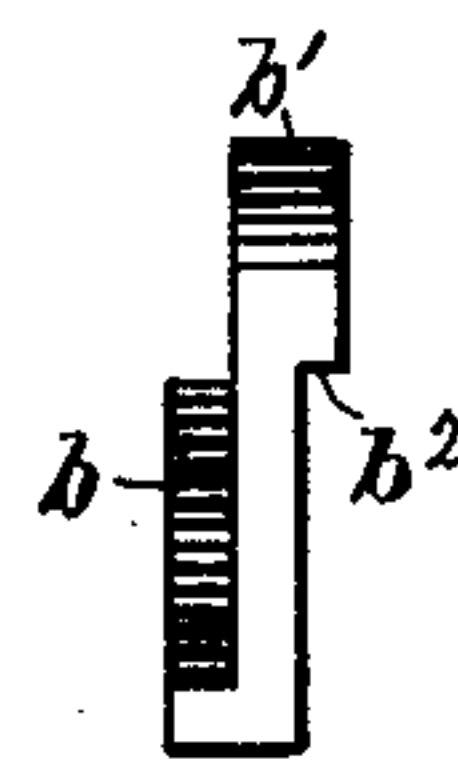


Fig. 5.

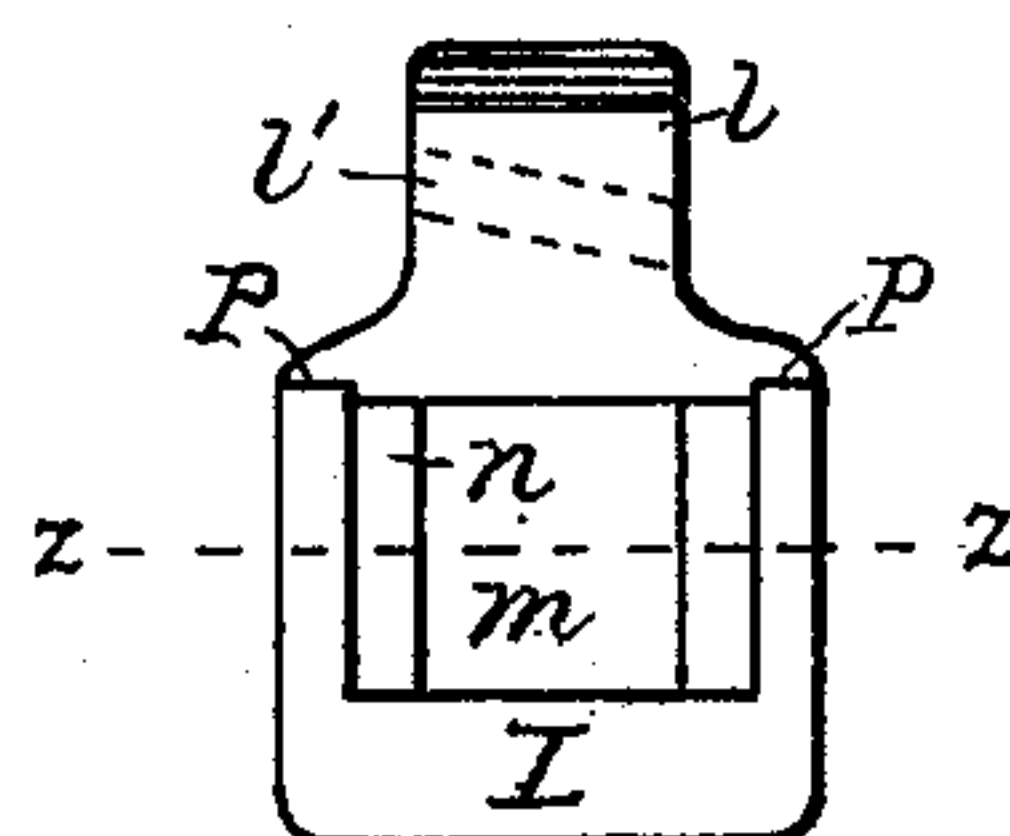


Fig. 6.

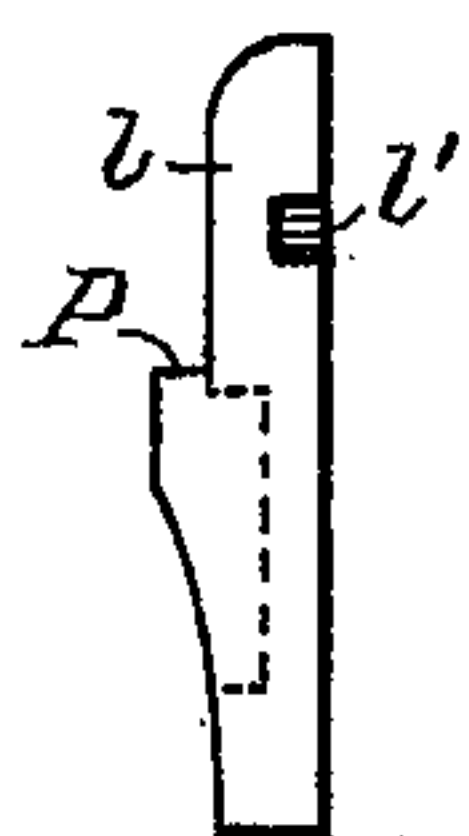


Fig. 7.

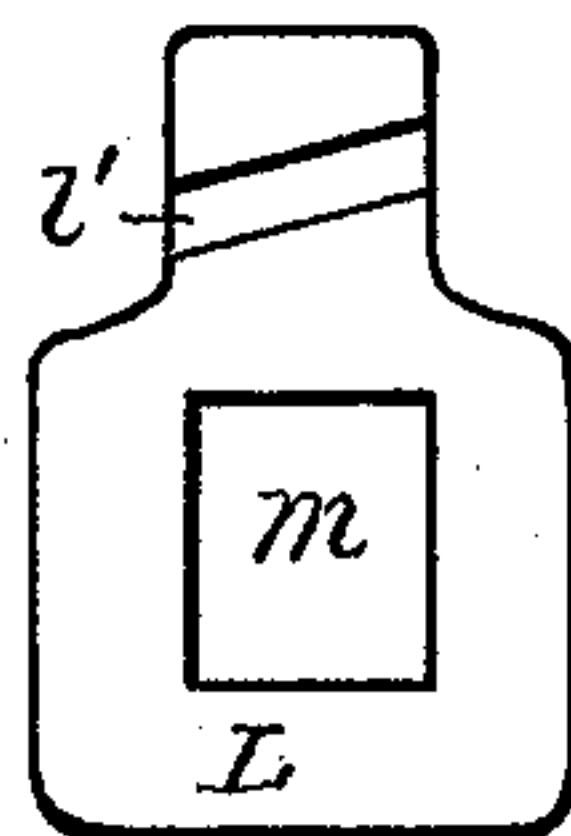


Fig. 8.



Fig. 9.

Witnesses:

*Wm H. Payne.*  
*B. C. Doll.*

Inventor.

*Hezekiah L. Trueblood.*

By *E. T. Silvius,*  
Attorney.



# UNITED STATES PATENT OFFICE.

HEZEKIAH L. TRUEBLOOD, OF INDIANAPOLIS, INDIANA.

## COMBINATION SAW-TOOL.

SPECIFICATION forming part of Letters Patent No. 603,491, dated May 3, 1898.

Application filed September 13, 1897. Serial No. 651,429. (No model.)

*To all whom it may concern:*

Be it known that I, HEZEKIAH L. TRUEBLOOD, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in a Combination Saw-Tool; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to that class of tools which are designed for hand use; and it consists in a combination-tool in which files are held and in which a file is used in several ways when dressing the teeth of crosscut or other saws, and in the parts and combination of parts thereof, as will be more fully described hereinafter and claimed.

The object of my invention is to provide an efficient file-holder when filing the teeth of saws, in which the file is conveniently held in its proper place when in use.

A further object of my invention is to provide a holder for not only holding the file, but for cambering the same when it is desired to file the teeth of the saw on a curved line, and, further, to provide a gage whereby the file is used with the combination-tool when dressing the drag-teeth evenly.

Another object of my invention is to provide a simple and inexpensive holder of this class to insure the filing of teeth of saws accurately.

I have aimed to make my invention of few parts, of simple construction, and to make it durable in use and economical in manufacture.

With these objects in view my invention still further consists in certain novel details of construction and arrangement of parts which combine to provide at all times a convenient, handy, and desirable tool.

It is obvious to a skilled mechanic that a file-holder of this type for filing the teeth of saws will be more effective than the holders now in common use.

Referring to the drawings, Figure 1 is a plan view of my invention, showing the holder

gripping a file in a vertical position and the same gripping a flat file lying flat, as shown in dotted lines. Fig. 2 is a side view of Fig. 1. Fig. 3 is a transverse sectional view of Fig. 1 on line XX, showing the holder gripping files in both vertical and flat positions. Fig. 4 is a plan view of the sliding locking-bolt. Fig. 5 is an end view of the same. Fig. 6 is a top plan view of the sliding jaw; Fig. 7, a side view, Fig. 8 a bottom plan, and Fig. 9 a sectional view, thereof, the latter being taken on the line Z Z of Fig. 6.

In the drawings, A designates the frame; B, the locking-bolt; L, the vise-jaw; K, a saw, and F, J, and R, files in the various positions on the tool-holder.

In construction the frame A of the holder is made of suitable metal having suitable ribs *a* through its center and the flanges *e* and *i* on its sides. In the center of the holder, at the upper side, is mounted the vise-jaw L and held in place by means of the stationary guide M, held in place by the screw I, said jaw L having the opening *m* and flanges *n*, which have a sliding bearing-surface against said guide-block M, the latter being rigid on the pillar *n'* on the base *a'*. This jaw is guided laterally by the rectangular pillar *n'*. One end of said jaw has the extending arm *l*, having the diagonal groove *l'* in its under side. This jaw is actuated by the wedge *b* on the top of the locking-bolt B, having the finger *b'*, the rib or wedge *b* engaging with the groove *l'* in the jaw. *h h* are the upright pins or dowels, against which one side of the file F rests, and by sliding the bolt B toward the left it causes the jaw L to press against the file, thereby holding it in place and on a parallel plane. Should it be necessary to deflect or camber the file, it will only be necessary to exert more power on the bolt B, which will spring the file until its center bends toward the inner edge of the stop *g*, which will enable the operator to file the saw-teeth to a true curve.

In gripping a file in a flat position the file J, as shown in dotted lines in Fig. 1 and full lines in Fig. 3, is placed in the holder, with its lower side resting on the posts *f* and its edge bearing against the flange *e*, and then the wedge is moved toward the right until the shoulders P P of the jaw L bear against



the opposite edge of the file, thus holding the file securely in this position. I prefer to cut away the flange *e* on each side of the post *f*, as shown at *d*. For filing the drag-teeth of  
 5 saws I provide a recess at one side of my holder and insert therein the bracket *G*, which is held in place by means of the screw *g'*, engaging with the stop-rib *g* of the holder *A*. The outer or filing face of said bracket is  
 10 placed slightly back of the inner face of the flange *i*. This is to enable the operator to file the drag-teeth of the saw slightly below the edges of the cutting-teeth. The drag-teeth of the saw are inserted in the slit *g*<sup>2</sup> of the  
 15 flange *g*<sup>3</sup> of the bracket, with the edge of the cutting-teeth of the saw *K* resting against the surface *i'* of the flange *i*.

As shown, the locking-bolt *B* rests on top of the frame, the outer edge working against  
 20 the flange *e* at *d*, while the opposite edge works against the shoulder formed by the raised portion of the frame, forming the base *a'* central under the sliding jaw, the latter being also the top guide above the locking-  
 25 bolt. Other arrangement of guides, however, may be had, if desired.

This tool is adapted to be used when dressing the sides of teeth when they happen to be set over irregularly and for dressing the tops  
 30 of both the cutting-teeth and the drag-teeth and for other purposes which will be suggested to the mechanic.

It will be manifest to a skilled mechanic that the detail of construction may be variously modified and various materials used  
 35 within the limit of my invention without materially changing the mode of action.

Having thus described my invention, what I claim, and desire to secure by Letters Patent  
 40 of the United States, is—

1. A file-holder for filing saw-teeth consisting of a frame having ribs, flanges and dowels for the file to rest against, all made integral therewith, a sliding jaw, a guide and means  
 45 to secure said jaw, a diagonally-ribbed locking-bolt having a suitable finger projection

and mounted on said holder and engaging with said jaw to secure a file placed in a vertical position when moved in one direction and to hold a file in a flat position when moved in the opposite direction, in combination with a bracket secured and inserted in the holder, said bracket having a suitable slit and with the filing-surface of the same placed slightly below the inner edge of the flange of the holder and adjacent thereto for the purpose of filing the drag-teeth of saws, substantially as shown and described.

2. In a combination saw-tool, the frame *A* having the flanges *e e* and *i i*, the ribs *a a*, the dowels *h h* and the bracket *G* set into a recess of the frame at the edge opposite said flanges *e e*, the base *a'* at the central front of said frame, the rectangular pillar *n'* on said base, the vise-jaw *L* working on said base and provided with the shoulders *P P* and groove *l*, and the locking-bolt *B* adapted to actuate said jaw, substantially as shown and described.

3. In a jointing file-holder, the combination with the frame having the flanges *e e* and rests *f f*, of the base *a'* and the pillar *n'* thereon, the vise-jaw *L* working on said base and provided with the shoulders *P P* and groove *l*, the locking-bolt *B* provided with the diagonal rib *b* engaging said groove, and the dowels *h* situated as shown, substantially as shown and described.

4. In a tool-holder, the combination with the frame, having the flanges *e* and the ribs *a a* thereon, of the base *a'* and rectangular pillar *n'* thereon, the vise-jaw *L* on said base and provided with the shoulders *P P* and groove *l*, the locking-bolt *B* adapted to actuate said jaw, and the bracket *G* having the slit *g*<sup>2</sup> and flanges *i* forming a tooth-gage, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

HEZEKIAH L. TRUEBLOOD.

Witnesses:

WM. H. PAYNE,  
 E. T. SILVIUS.