

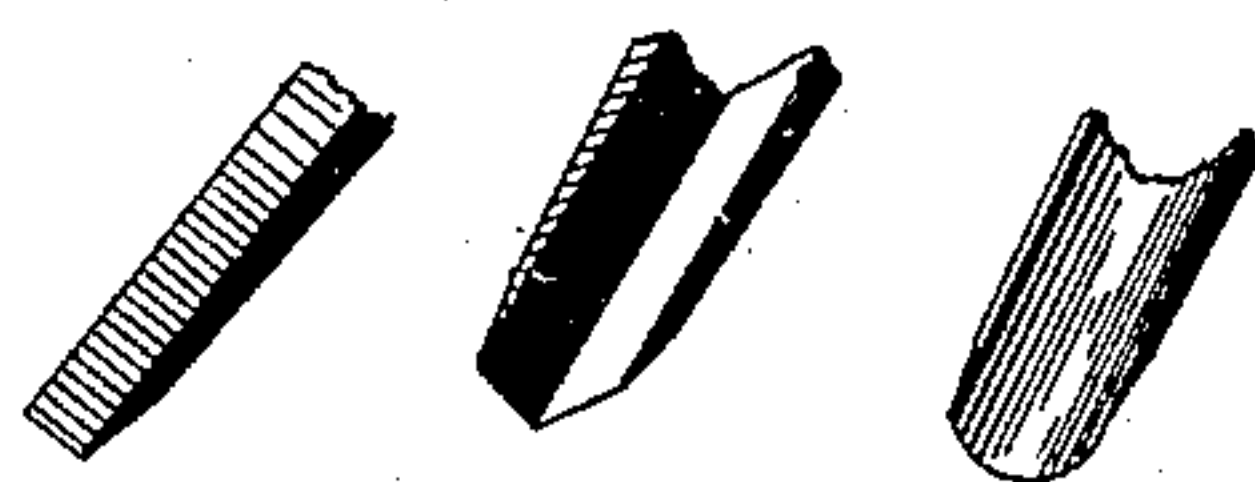
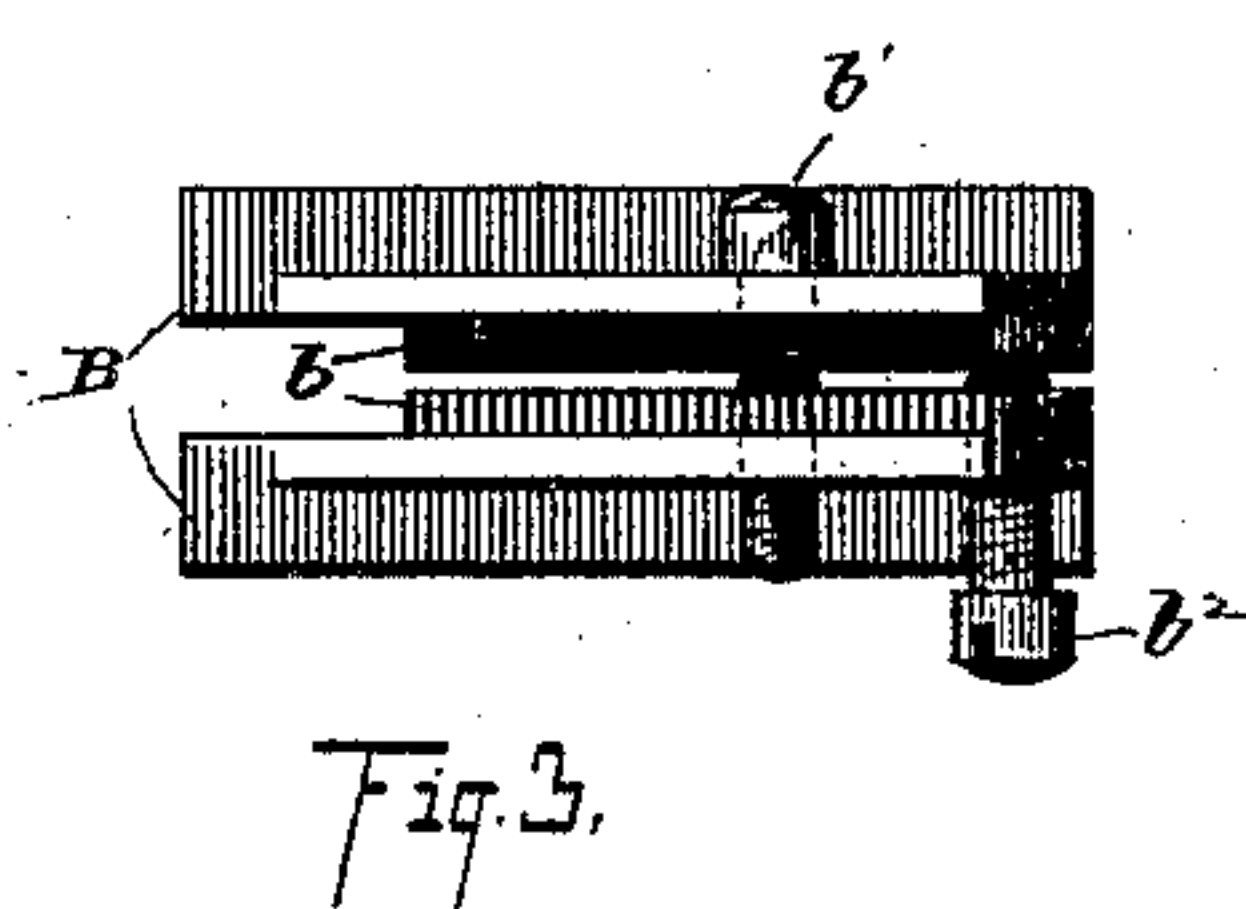
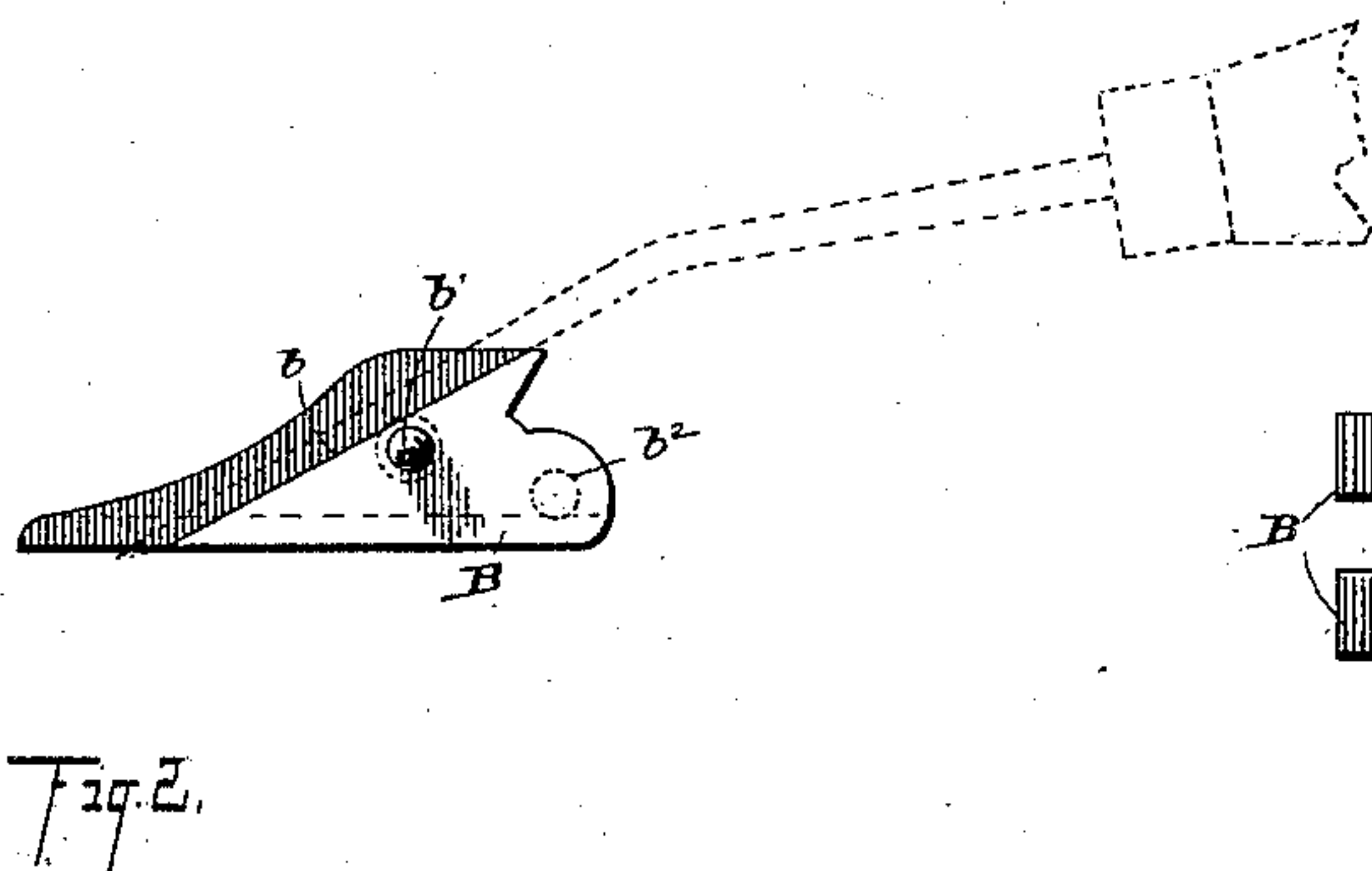
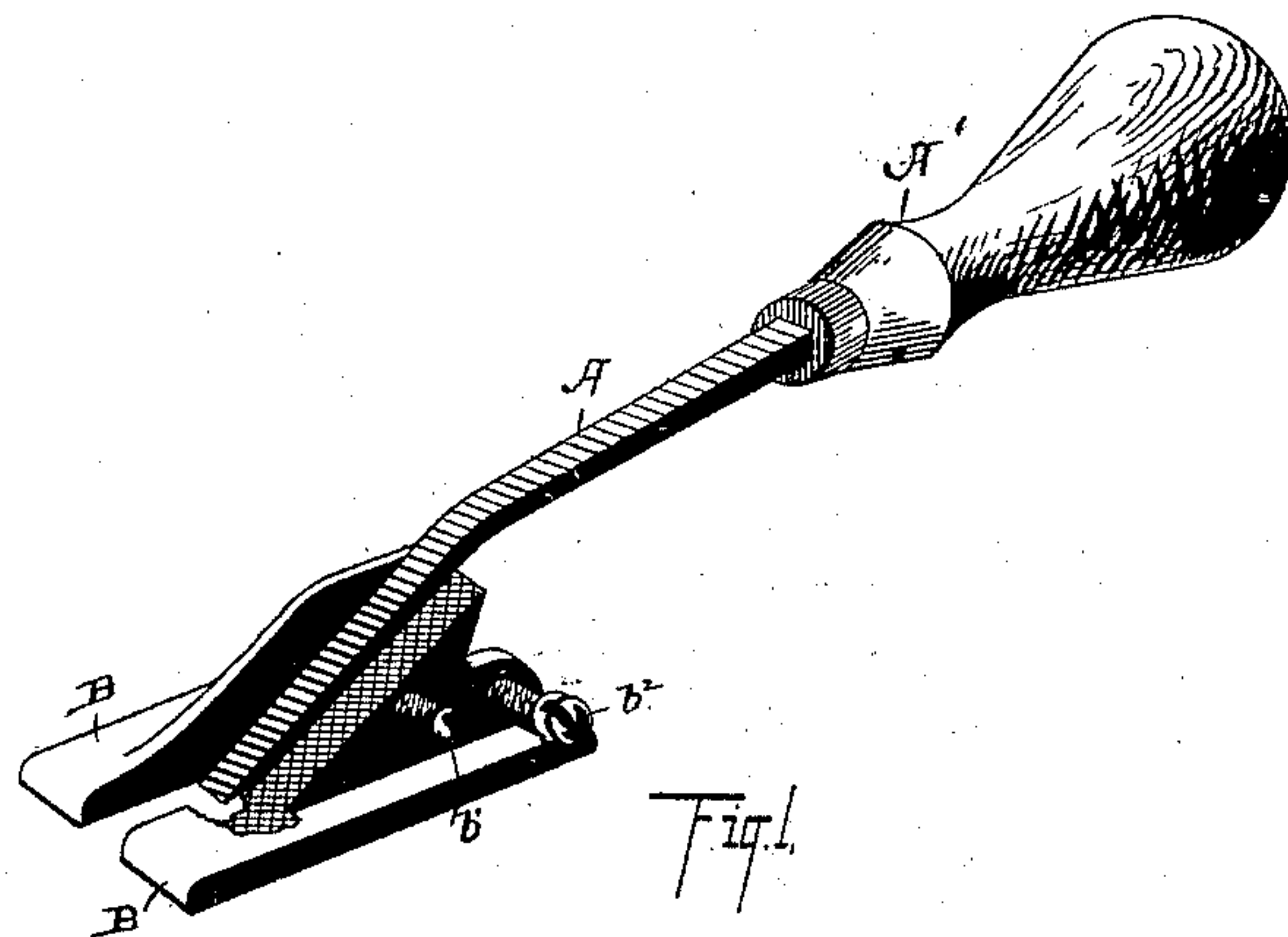
(No Model.)

LA FAYETTE BLAIR.

CUTTING TOOL GAGE.

No. 369,908.

Patented Sept. 13, 1887.



WITNESSES
N. S. Amstutz
Geo. W. King

L. F. Blair,
By
Siggott & Siggott
Attorneys
INVENTOR

UNITED STATES PATENT OFFICE.

LA FAYETTE BLAIR, OF PAINESVILLE, OHIO.

CUTTING-TOOL GAGE.

SPECIFICATION forming part of Letters Patent No. 369,908, dated September 13, 1887.

Application filed December 28, 1886. Serial No. 222,823. (No model.)

To all whom it may concern:

Be it known that I, LA FAYETTE BLAIR, of Painesville, in the county of Lake and State of Ohio, have invented certain new and useful
5 Improvements in Cutting-Tool Gages; and I do hereby 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 pertains to make and use the same.

10 My invention relates to an improved cutting-tool gage or guide adapted to raising slivers for blind-nailing and to carving and various other purposes, in which a chisel or other cutting-tool required is held between guide-
15 blocks, with means for clamping the blocks to hold the tool, to the end that a light, cheap, simple, and useful device is had to gage the depth of the cut.

In the accompanying drawings, Figure 1 is
20 a view in perspective of my improved device. Fig. 2 is a side elevation with the one cheek piece or part of the guide-block removed, the cutting-tool being shown in dotted lines. Fig. 3 is a plan with the cutting-tool removed.
25 Fig. 4 shows various cutting-tools adapted to be used with such gage or guide blocks.

A represents a cutting-tool, the shank of which is usually bent in about the form shown in Figs. 1 and 2, and has a suitable handle,
30 A', mounted thereon. The tool may be of any desired width, and may have any form of cutting-edge, three varieties more commonly used being shown in Fig. 4.

The tool is usually quite narrow, as it is only
35 intended for light work and to be operated with one hand. For blind-nailing the tool is substantially a narrow chisel, usually about a quarter of an inch or less in width.

The guide-block is made in halves, the di-
40 vision being longitudinal, the two parts B being alike, except that they are made right and left handed. Each block B has a slight shoulder, *b*, on the inner face thereof, and set at the desired angle for supporting the tool in
45 about the position that a plane is usually held in the plane-stock. The retaining-screw *b'* passes through one block B and screws into the other block, while the abutment-screw *b''* screws through one block and abuts the inner
50 face of the other block. These screws may be of any desired length to accommodate tools

of such width as may be required. By unscrewing the screw *b'* the blocks are separated the distance required to receive the cutting-
tool between them. By tightening the screw 55 the tool is clamped between the blocks, after which, by tightening the abutment-screw *b''*, the heels of the blocks are slightly separated and the toes of the blocks made to press more firmly upon the edges of the tool near the cut-
60 ting-edge of the latter.

In the drawings the device is represented full size, although of course the size might be varied, if necessary.

When hard-wood finish is used, or, in fact, 65 any wood that is not to be painted, a sliver is raised for blind-nailing, and after the nail is driven glue or shellac is applied, and the sliver pressed back to its place, and if the work be carefully done no marks will appear when the
70 wood-work is finished.

With my improved device the sliver is raised in a moment and without any danger of breaking the sliver.

In carving and various other kinds of work 75 where it is desired to gage the depth of the cut my improved device will be found useful, more especially as the gage-blocks do not conceal the point of the cutting-tool or the work in advance of the cutting-tool. 80

What I claim is—

1. As a new article of manufacture, a guide-block for a cutting-tool, made in two sections and provided with clamping-screws for locking the sections together and for clamping 85 them against the opposite side edges of a cutting-tool.

2. The combination, with a guide-block or gage made in sections and a cutting-tool located between said sections, of a retaining and abut- 90 ment screws for locking the sections of the guide-block together and for clamping them against the opposite side edges of the cutting-tool, substantially as set forth.

In testimony whereof I sign this specifica- 95 tion, in the presence of two witnesses, this 29th day of November, 1886.

LA FAYETTE BLAIR.

Witnesses:

SEXTUS SLOAN,
OSCAR BAILEY.