

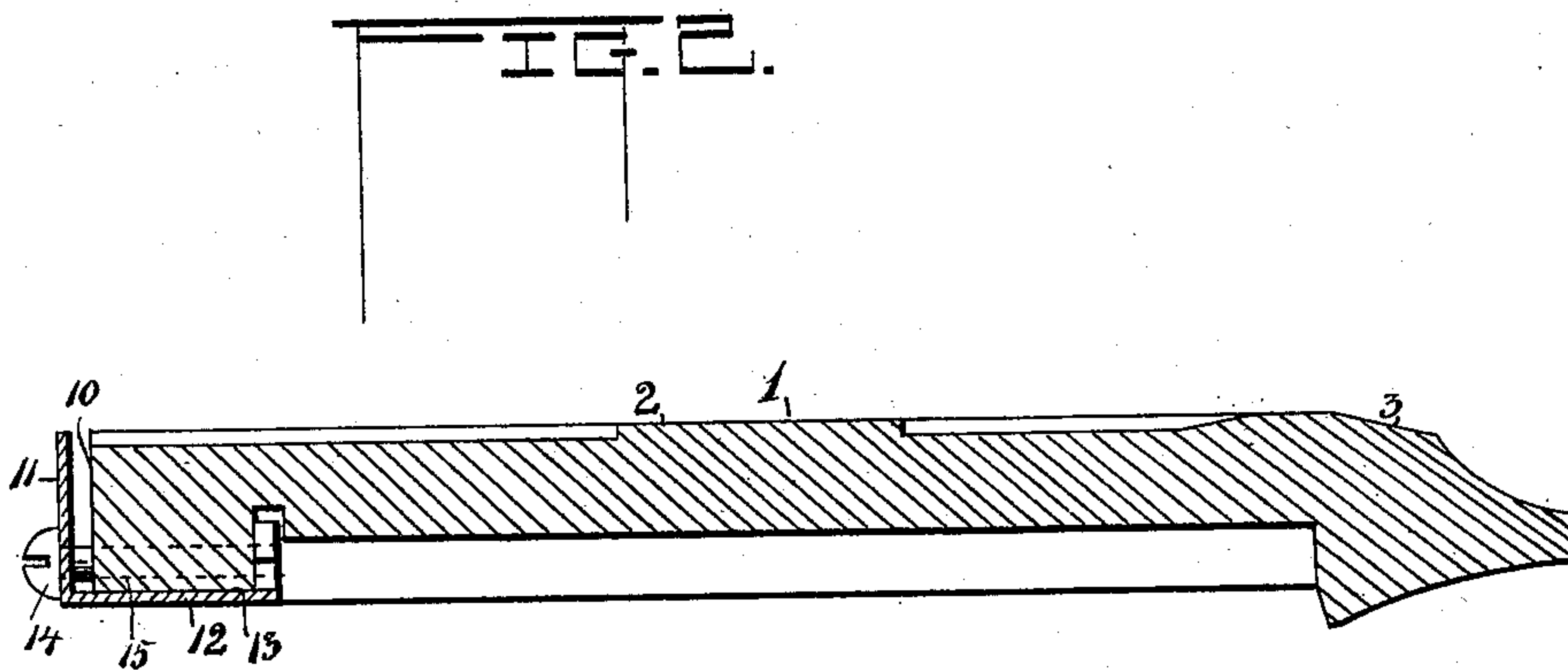
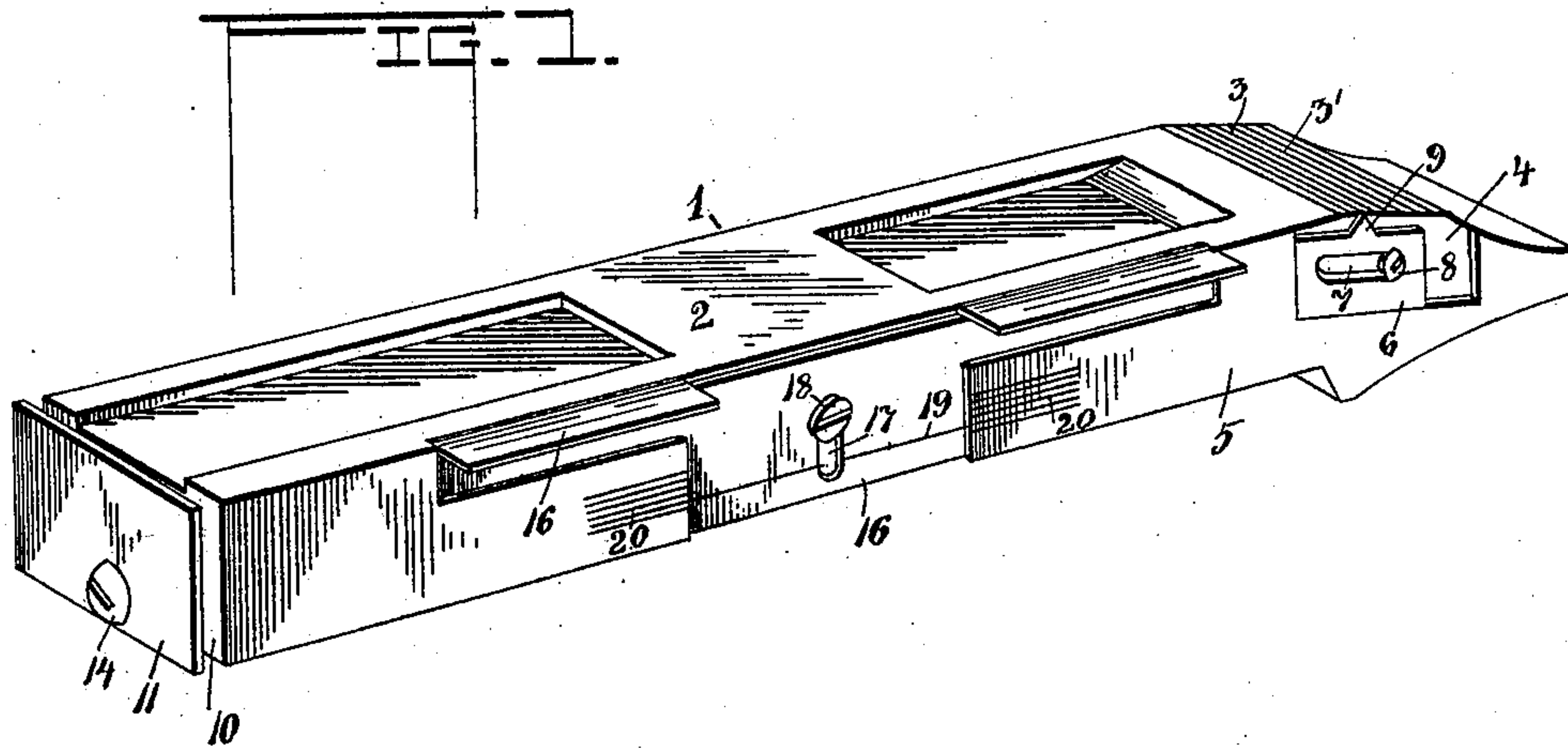
(No Model.)

A. S. TOPPING.

COMBINED SAW SET, JOINTER, AND RAKER GAGE.

No. 592,069.

Patented Oct. 19, 1897.



Witnesses
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UNITED STATES PATENT OFFICE.

ALFRED S. TOPPING, OF HART, MICHIGAN.

COMBINED SAW-SET, JOINTER, AND RAKER-GAGE.

SPECIFICATION forming part of Letters Patent No. 592,069, dated October 19, 1897.

Application filed April 24, 1897. Serial No. 633,779. (No model.)

To all whom it may concern:

Be it known that I, ALFRED S. TOPPING, a citizen of the United States, residing at Hart, in the county of Oceana and State of Michigan, have invented certain new and useful Improvements in a Combined Saw-Set, Jointer, and Raker-Gage; 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.

My invention relates to a combination saw-set, jointer, and raker-gage; and the object is to provide a simple, effective, and convenient tool of this class.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference-characters indicate the same parts of the invention.

Figure 1 is a perspective view of my combined saw-set, raker, and jointer. Fig. 2 is a longitudinal section of the same.

1 represents a rectangular block, preferably formed of tool-steel, and its plane side 2 is formed with a beveled anvil 3, on the face of which is inscribed a series of parallel gage-lines 3', and 4 is a recess formed in the right-angular side 5 of the block which receives the gage 6, provided with a slot 7, through which a set-screw 8 passes to adjustably secure said gage in place. This gage 6 is provided with a pointer 9, adapted to register with the parallel gage-lines 3'. The opposite end 10 of the block 1 is formed at a right angle to the body.

11 represents a clamping-jaw provided with integral parallel arms 12 12, sliding in corresponding guide-grooves 13 13, longitudinally arranged in the block.

14 represents a set-screw extending through the jaw 11 and engaging a correspondingly-

threaded orifice 15 in the contiguous end of the bar, and a flat float-file is clamped in place between said jaw and bar to form a jointer for evening the teeth.

16 represents the raker-gage, and it is provided with a slot 17, through which a set-screw 18 passes to adjustably secure the same to the side 5 of the block. This raker-gage 16 is provided with a longitudinal gage-line 19, and 20 20 represent fixed gage-lines on the side of the bar, so that the raker-gage may be quickly and accurately adjusted to give the proper cut to the rake-teeth.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

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

A combined saw-set, jointer and rake-gage, comprising the rectangular block 1, having its plane side 2 formed with a beveled face 3, provided with a series of parallel gage-lines 3', a recess 4 formed in its side 5, a gage 6 adjustably secured to said recess and provided with a pointer 9, adapted to register with the gage-lines 3'; the jointer-jaw 11 adjustably secured to the opposite end of said bar by the set-screw 14, and the raker-gage 16 adjustably secured to the side 5 by the set-screw 18 and provided with the longitudinal parallel gage-line 19, adapted to register with the fixed gage-lines 20 20 on the same side of the bar, substantially as shown and described.

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

ALFRED S. TOPPING.

Witnesses:

J. G. FARRELL,

A. Z. MOORE.