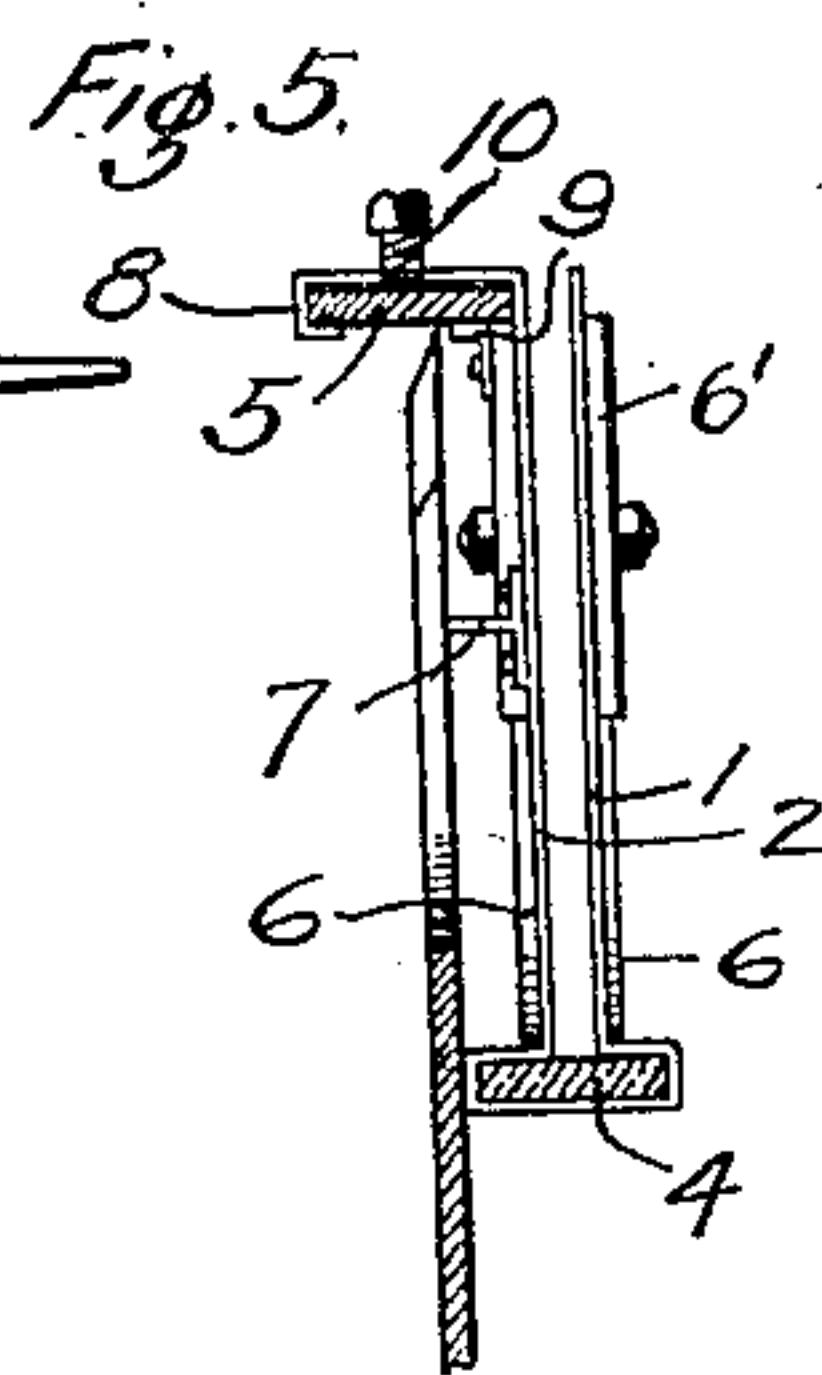
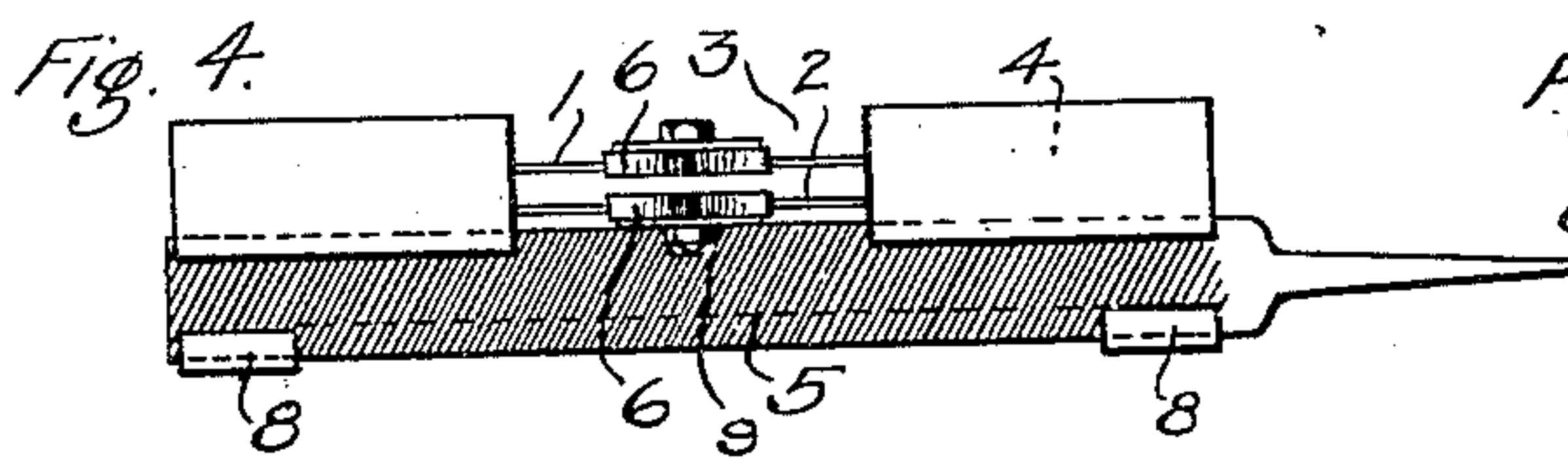
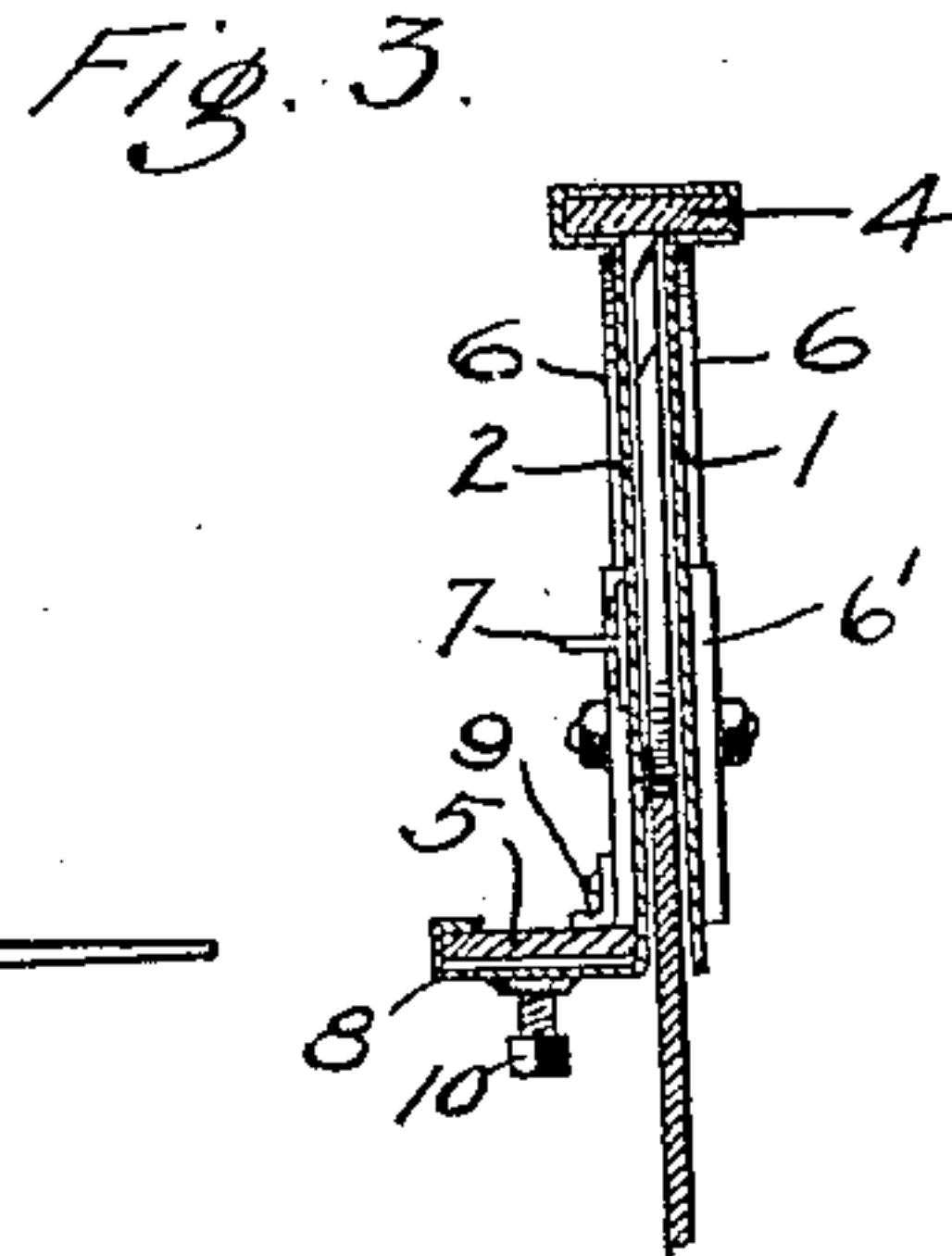
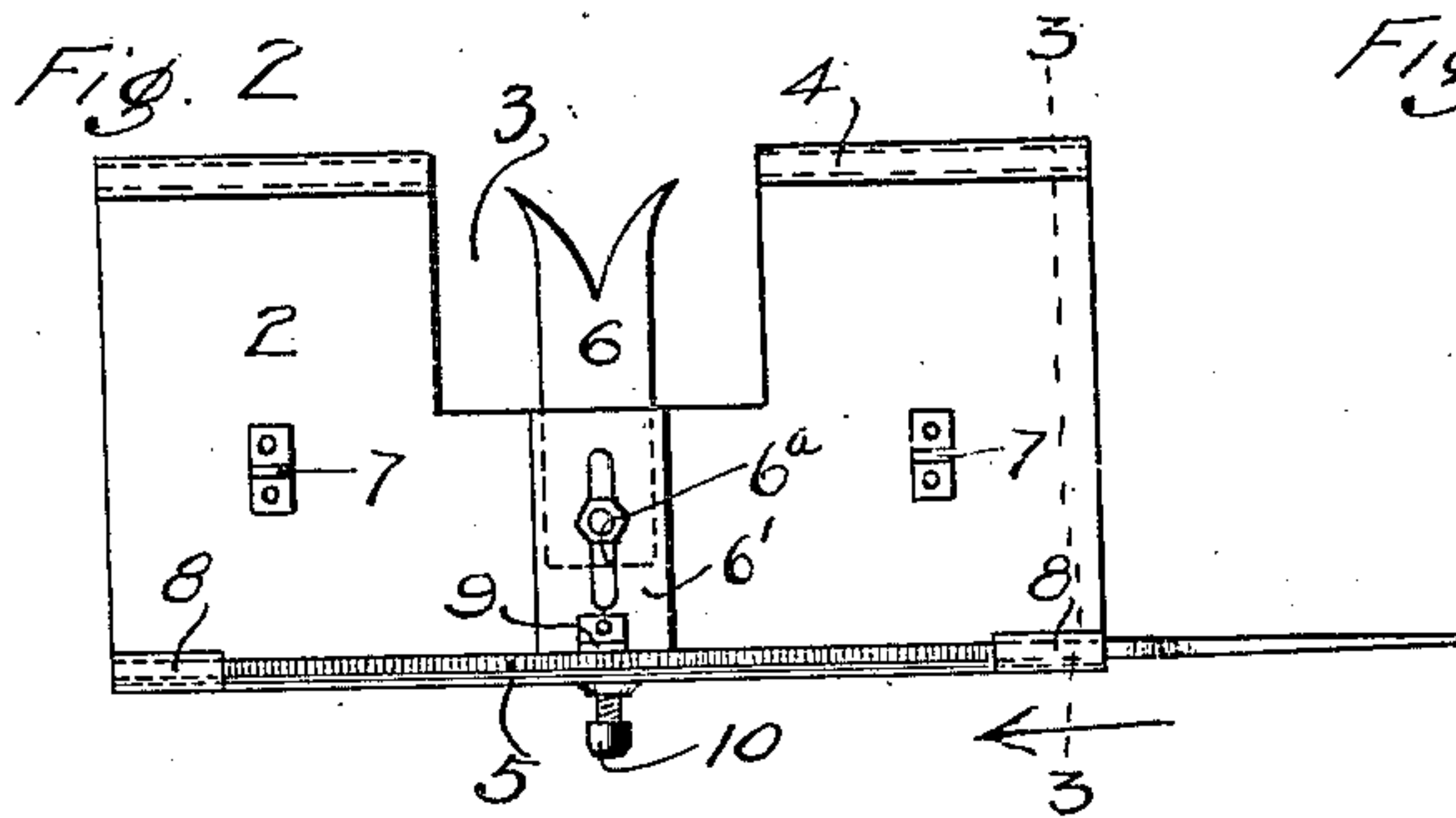
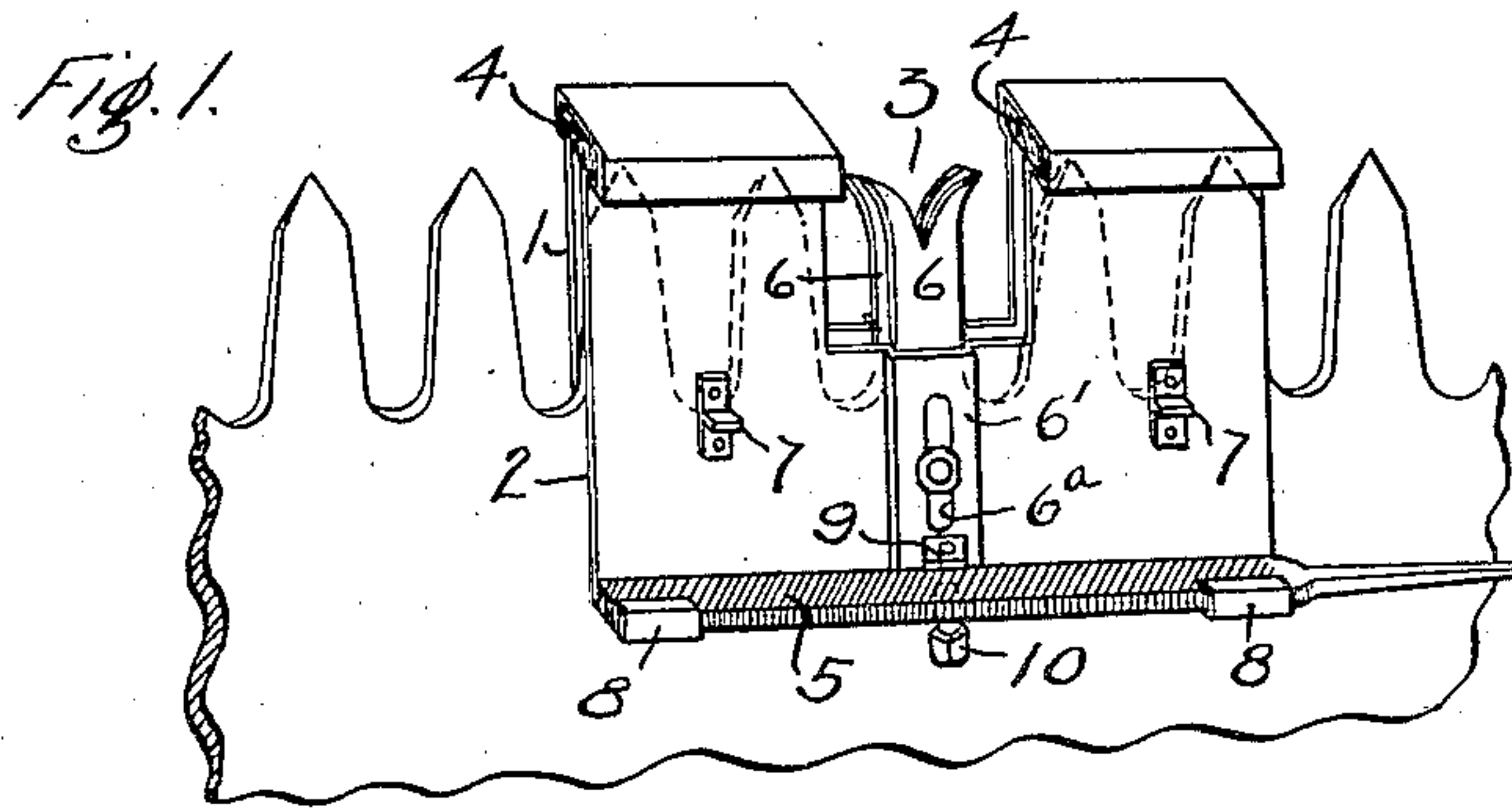


No. 863,377.

PATENTED AUG. 13, 1907.

J. C. GEHRMAN.  
RAKER GAGE AND JOINTER.  
APPLICATION FILED MAY 9, 1906.



Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

JACOB C. GEHRMAN, OF FRANCES, WASHINGTON.

## RAKER GAGE AND JOINTER.

No. 863,377.

Specification of Letters Patent.

Patented Aug. 13, 1907.

Application filed May 9, 1906. Serial No. 316,015.

*To all whom it may concern:*

Be it known that I, JACOB C. GEHRMAN, a citizen of the United States of America, residing at Frances, in the county of Pacific and State of Washington, have invented certain new and useful Improvements in Raker Gages and Jointers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to improvements in raker gages and jointers and consists of certain novel devices and constructions whereby the cutting teeth of a saw may be jointed and the raker teeth gaged for jointing.

My invention is illustrated in the accompanying drawing in which

Figure 1 is a perspective view of my device mounted on a saw to gage the rakers thereof. Fig. 2 is side elevation thereof. Fig. 3 is a cross-section on the line 3—3 in Fig. 2. Fig. 4 is a plan of my device and Fig. 5 is an end view showing it applied to a saw to joint the teeth thereof.

Similar numerals of reference refer to similar parts throughout the several views.

My device consists of a piece of stiff metal bent so as to straddle the saw with its sides "1" and "2" and having a large slot "3" cut into its sides between its ends and being bent at the junction of the two sides "1" and "2" into the form of an open-ended oblong constituting a horizontal pocket on each side of the slot "3", and further the side "2" is bent at its lower end to form a shelf on which a file "5" is secured as hereinafter described. In each of the oblongs or pockets is a hardened body, preferably formed of glass, which body 4 constitutes filling means for the pockets or oblongs. Within the slot "3" above mentioned are adjustably secured, to each of the sides "1" and "2", the raker gages "6", shaped in the form in which the rakers of the saw should be formed, and their tops are fixed lower than the hardened surface "4" the desired amount that the rakers should be lower than the tops or points of the cutting teeth. The side "2" of my device is provided with two lugs "7" extending outward therefrom a distance practically equal to the distance which the top bend of the side "2", which incloses the hardened surface "4", extends from the side "2" so that (Fig. 5) if the device is used to joint the teeth the file "5" secured to the side "2" will be practically at right angles to the plane of the saw.

The shelf to which the file "5" is secured extends out horizontally from the side "2" and is provided with two end clips "8" adapted to fit over the outer corners of the file and with a central inner clip "9" adapted to fit over the inner side of the file and it is further provided with a set screw "10" on its lower side adapted to press the file "5" upward against the clips "8" and "9" thus holding the file firmly in position.

My device is used to gage and joint the rakers in the positions shown in Figs. 1, 2 and 3 in which it straddles a saw, being supported thereon by the tips of the cutting teeth engaging the under surface of the glass "4", and is so arranged that the raker of the saw will come opposite the raker gages "6" on each side thereof so that any deviation of the raker from its proper position relative to the cutting teeth will be immediately noted and can be corrected in any of the usual ways. Each of the sides 1 and 2, is provided with a vertical, outwardly-bulged portion 6', within which is slidably mounted one of the raker gages. Suitable fastening means is positioned in the elongated slot 6<sup>a</sup> of each bulged portion 6', for securing the raker gage to the bulged portion.

My device is further used to joint the cutting teeth as shown in Fig. 5 in which it is reversed and placed to one side of the saw and the longer teeth are brought down to the level of the shorter teeth by the file "5" passing over them.

Having described my invention, what I claim is:

1. In a device of the character described, the combination of a body, comprising two parallel sides, horizontal, open-ended oblongs integral with and connecting the upper ends of said sides, and filling means positioned within said oblongs and secured above said sides by said oblongs.

2. In a device of the character described, the combination of a body, comprising two parallel sides, each side of said body provided with a vertical, outwardly-bulged portion, said outwardly-bulged portion provided with an elongated slot, raker gages positioned between the sides and within said outwardly-bulged portions, and means positioned within said slots and engaging said gages and securing the same to the outwardly-bulged portions.

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

JACOB C. GEHRMAN.

Witnesses:

P. L. STANLEY,  
J. F. KATHRINER.