No. 789,560. PATENTED MAY 9, 1905.

T. OLSEN.

SAW GAGE AND JOINTER.

APPLICATION FILED MAY 23, 1904.

FIG. 1.

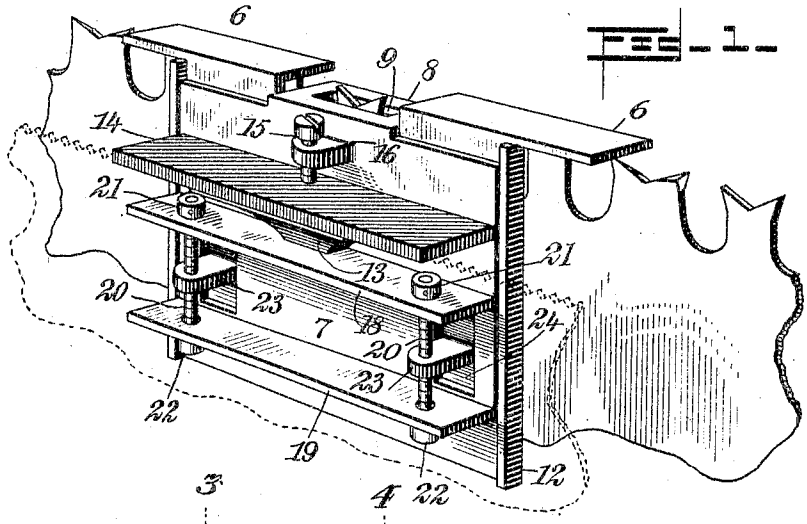


FIG. 2.

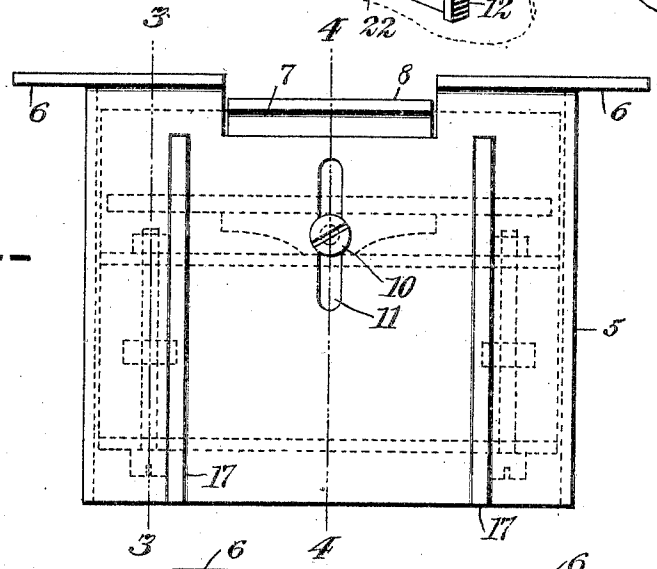


FIG. 3.

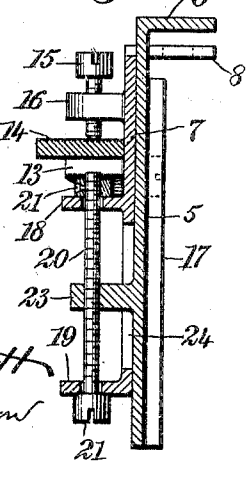
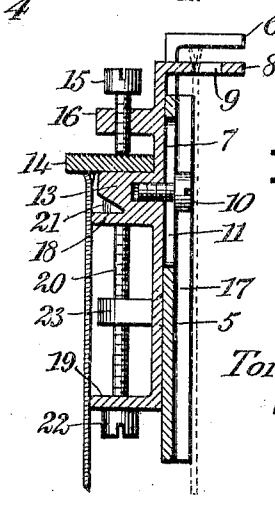


FIG. 4.



WITNESSES:

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No. 789,560. Patented May 9, 1905.

UNITED STATES PATENT OFFICE.

TORBJORN OLSEN, OF MANISTEE, MICHIGAN.

SAW GAGE AND JOINTER.

SPECIFICATION forming part of Letters Patent No. 789,560, dated May 9, 1905.

Application filed May 23, 1904. Serial No. 209,243.

To all whom it may concern:

Be it known that I, TORBJORN OLSEN, a citizen of the United States, and a resident of Manistee, in the county of Manistee and State of Michigan, have invented a new and Improved Saw Gage and Jointer, of which the following is a full, clear, and exact description.

This invention relates to improvements in combined saw cleaner-tooth gages and top-jointers, an object being to provide a device of this character of novel and simple construction, readily adjustable, and easily handled.

I will describe a saw gage and jointer embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a saw gage and jointer embodying my invention. Fig. 2 is an inner side view thereof. Fig. 3 is a section on the line 3 3 of Fig. 2. Fig. 4 is a section on the line 4 4 of Fig. 2.

Referring to the drawings, 5 designates the inner face-plate, having inwardly-extended flanges 6 at its upper edge, these flanges being spaced apart to permit the entrance of a file. Adjustable on the outer surface of the face-plate is a gage-plate 7, having an inwardly-extended flange 8 projected into the space between the flanges 6 and having a slot 9 to receive the cleaner-teeth. The gage-plate is held in adjustable connection with the face-plate by means of a set-screw 10, which passes through a vertical slot 11 and engages in a tapped hole in the gage-plate. At its opposite vertical edges the gage-plate slides against outwardly-extended ribs 12 on the face-plate, and, as here shown, the outer side of the gage-plate is provided with a block or bracket 13, on which a top-jointer file 14 is designed to be placed, and the file is held in position by means of a set-screw 15 engaging a tapped hole in a lug 16 on the gage-plate. It will be noted that at the inner side the plate 5 is provided with vertical ribs 17, the outer surfaces of which are practically on a plane with the head of the set-screw 10, and therefore the device is prevented from rocking motion on a saw-blade, as would be the case were the blade to engage against the screw without the said supports or ribs. The outer side of the gage-plate below the block 13 is provided with upper and lower outwardly-extended flanges 18 19, through openings in which adjusting-screws 20 pass. These screws have nuts 21 at the upper end, which engage against the upper surface of the flange 18, and their lower heads 22 are provided with slots to receive a screw-driver. The threaded portions of the screws engage tapped holes in lugs 23, extended outward from the face-plate 5 through vertical slots 24, formed in the gage-plate. By manipulating the screws 20 it is obvious that the gage-plate may be adjusted to bring its flange 18 to any desired position below the flanges 6.

In operating upon the cleaner-teeth the face-plate is to be placed against the saw and the flanges 6 engage on the top of the teeth, with the cleaner-tooth extended through the opening 9. After filing one cleaner-tooth it is obvious that the device may be readily removed to the next cleaner-tooth. In top-jointing, the flanges 18 and 19 are to be placed against the blade of the saw and the file passed over the tops of the teeth, as clearly indicated in dotted lines in Fig. 1.

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

1. In a device for the purpose specified, the combination of a face-plate, a gage-plate, upper and lower outwardly-extended flanges on the gage-plate provided with openings, the said gage-plate having slots between the flanges, tapped lugs extended from the face-plate through said slots, adjusting-screws engaging in said lugs and passing loosely through the openings in the flanges, the said screws having heads for engaging with the lower flange, and nuts on the screws for engaging with the upper flange.

2. In a device for the purpose specified, the

combination of a face-plate, a gage-plate, upper and lower outwardly-extended flanges on the gage-plate, the said gage-plate having slots between the flanges, tapped lugs extended from the face-plate through said slots, and adjusting-screws engaging in said lugs and having rotary connection with said flanges.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

TORBJORN OLSEN.

Witnesses:

ALBERT ERICKSON,

GUST R. FREEDLUND.