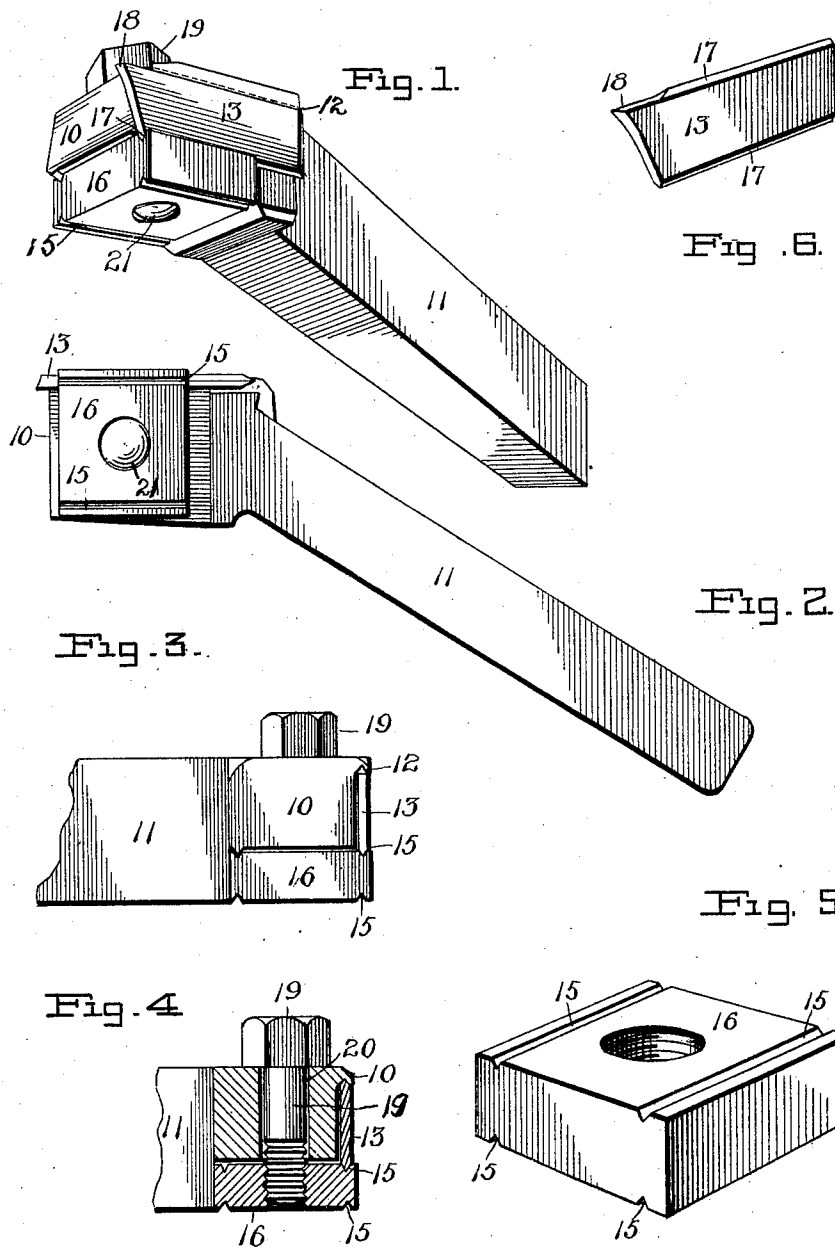


V. ST. JOHN.
CUTTING OFF TOOL.
APPLICATION FILED OCT. 18, 1909.

976,755.

Patented Nov. 22, 1910.



WITNESSES:

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VICTOR ST. JOHN, OF FAIRMONT, MINNESOTA.

CUTTING-OFF TOOL.

976,755.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, VICTOR ST. JOHN, a citizen of the United States, residing at Fairmont, county of Martin, State of Minnesota, have invented certain new and useful Improvements in Cutting-Off Tools, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a cutting off tool and particularly to means for clamping the blade thereof in position.

The invention has for an object to provide a novel and improved construction of tool holder having a recess therein and a cooperating clamping block having a plurality of tool holding recesses and mounted upon such holder in order to clamp a cutting blade in position thereon.

20 Other and further objects and advantages of the invention will be hereinafter set forth and the novel features defined by the appended claims.

In the drawing—Figure 1 is a perspective of the invention; Fig. 2 is a bottom plan thereof; Fig. 3 is a side elevation; Fig. 4 is a vertical cross section; Fig. 5 is a detail perspective of the clamping block or nut; and Fig. 6 is a similar view of the cutter blade.

30 The numeral 10 designates the tool holder which may be of any desired construction or configuration and is preferably provided with a shank 11 by which it may be mounted upon any machine with which it is desired to be used. One face of this holder is recessed and provided with a rib, to receive the clamping block 16, and grooved as shown at 12 in Figs. 1 and 3 in order to receive the blade 13 which is seated in the groove 15 carried by the clamping block which comprises a nut 16. The blade 13 is provided at its opposite edges with a beveled edge 17 adapted to cooperate with the block or nut 16 and the body of the holder. The blade 13 is provided with a cutting edge 18 and is clamped in position by means of a bolt 19 extending through the holder and into the block or nut 16 which is thereby drawn into locking contact with the flange 17 at one side of the blade 13 which contacts therewith to retain the blade in friction contact with the holder. The aperture 20 through the holder is of greater diameter than the bolt 19 which passes therethrough so as to allow a proper adjustment of the parts.

The locking block or nut 16 has upon its opposite faces a plurality of grooves which are adapted to embrace the edge of the blade and this block or nut may be removed and reversed or altered in position so as to bring any one of the holding grooves 15 into proper relation with the blade if either be injured or a different form of tool be desired. The bolt clamps the block or nut into contact with the blade and may be of any desired construction or configuration but is here shown as threaded therein. The aperture in the holder through which this bolt passes is of greater diameter than the bolt so as to permit proper adjustment of the block or nut thereon to clamp the blade in position.

It will be seen that this invention presents a simple, efficient and economically constructed tool holder in which the clamping block or nut is adjusted for different characters of tools and adapted to engage the blade thereof to prevent any movement in the use of the blade.

Having described my invention and set forth its merits what I claim and desire to secure by Letters Patent is—

1. A holder having a recess and groove therein, a block provided with a plurality of grooves and adjustable to bring any one of said grooves into the same transverse plane with the recess in the holder, and means mounted upon said holder to draw said block toward said holder.

2. A holder having a recess and groove therein, a reversible block having upon its opposite faces a plurality of grooves, and clamping means mounted upon said holder to draw said block toward the same.

3. A holder having a recess and groove therein, a block provided with a plurality of grooves and adjustable to bring any one of said grooves into the same transverse plane with the groove in the holder, and a bolt extended through said holder and threaded into said block to draw it toward the groove of said holder.

4. A holder having a recess at one side thereof and a rib upon the opposite side, a block provided with a tool holding groove and a groove to engage said rib, and a bolt extended through said holder and threaded into said block.

5. A holder having a recess and groove therein and an aperture therethrough, a block provided with a plurality of grooves

and adjustable to bring any one of said recesses into the same transverse plane with the groove in the holder, and a bolt extended through said holder to engage and draw said
5 block toward the holder and of less diameter than the aperture in the holder.

6. A holder provided with a recess therein, a block disposed in said recess upon said holder and having upon its opposite faces

parallel tool holding grooves, and clamping 10 means extending through said holder and block.

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

VICTOR ST. JOHN.

Witnesses:

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