

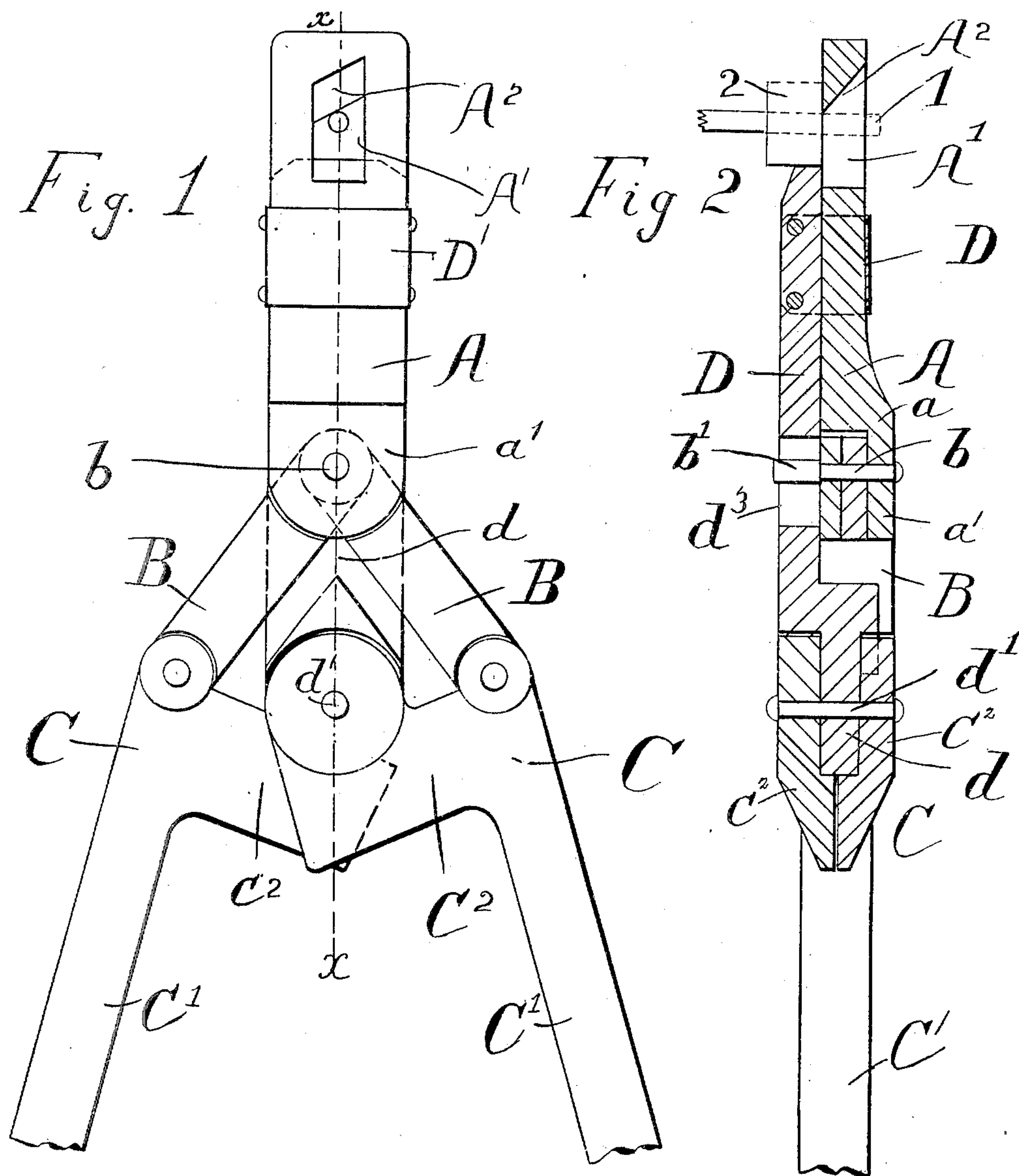
No. 675,649.

Patented June 4, 1901.

A. CONTOIS.  
CUTTING TOOL.

(Application filed June 28, 1900.)

(No Model.)



WITNESSES

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# UNITED STATES PATENT OFFICE.

ALFRED CONTOIS, OF CLIFTON, ILLINOIS.

## CUTTING-TOOL.

SPECIFICATION forming part of Letters Patent No. 675,649, dated June 4, 1901.

Application filed June 28, 1900. Serial No. 21,868. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED CONTOIS, a citizen of the United States, and a resident of Clifton, county of Iroquois, and State of Illinois, have invented certain new and useful Improvements in Cutting-Tools, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to an improved cutting-tool adapted especially for cutting protruding ends of bolts after the nut is attached; and the object thereof is to provide a durable and effective device of this character which is positive in its action and which will cut a bolt end clean down to the surface of the nut.

The invention will be hereinafter fully described, and specifically set forth in the annexed claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation of my improved cutting-tool, showing the same in position ready for operation; and Fig. 2 is a vertical sectional elevation taken on the line  $x x$  of Fig. 1.

In the practice of my invention I employ, primarily, a hanger A, composed of steel. This hanger is recessed at  $a$  to form the overhanging lug  $a'$ , to which lug is pivoted, by means of the pin  $b$ , toggles B, which are respectively pivoted at their lower ends to bell-crank levers C, which embody the handles  $C'$  and the extensions  $C^2$ , which are centrally pivoted to the lower end  $d$  of a slide D by means of the pin  $d'$ . This slide bears upon the rear surface of the hanger A and slides thereon, and it is attached by means of a strap  $D'$ . To assist in maintaining the slide in relative parallel arrangement with the hanger  $a$ , a slot  $d^3$  is formed therein, which engages a squared portion  $b'$  of the pin  $b$ . Through the upper end of the hanger A is an opening  $A'$ , through which the bolt end is adapted to pass, and the upper portion  $A^2$  of this opening is extended at an angle to form a sharp-edged knife, as clearly illustrated in the drawings.

In the operation and use of the device the

bolt end, as 1, Fig. 2 of the drawings, is extended through the opening  $A'$ , with the nut 2 resting against the end of the slide D, the handles of the device being opened, as illustrated in the drawings. Then pressure exerted against these handles in an inward direction, which carries them toward each other, will cause the slide D to move upwardly, the knife-edge at the same time being moved in an opposite direction, whereby the end of the bolt will be cut off flush with the surface of the nut.

I do not confine myself to the specific details of proportion and contour as herein shown and described, as it is obvious that under the scope of my invention I am entitled to structural variations.

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

In a cutting-tool, the combination with the hanger A, the opening  $A'$ , in said hanger, the edge  $A^2$  forming one side of said opening, the recess  $a$  in said hanger, and the overhanging lug  $a'$ , integral with said hanger, of the slide D, adapted and arranged to slide on said hanger, the strap  $D'$  holding said slide and hanger together, and partly guiding the motion of said slide, the slot  $d^3$ , in said slide, the toggles B, pivoted to said hanger, the pin  $b$ , partly passing through the said overhanging lug  $a'$ , and the ends of said toggles, pivoting said toggles in a stationary bearing on said hanger, and partly passing through and engaging the slot  $d^3$ , and in part guiding the motion of said slide, and the levers C and  $C'$ , pivoted to said toggles by the upper end of the handles  $C'$ , and to the slide D, by their extensions  $C^2$ , all substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 9th day of June, 1900.

ALFRED CONTOIS.

Witnesses:

JOHN SIMENOT,  
ADOLPH CONTOIS.