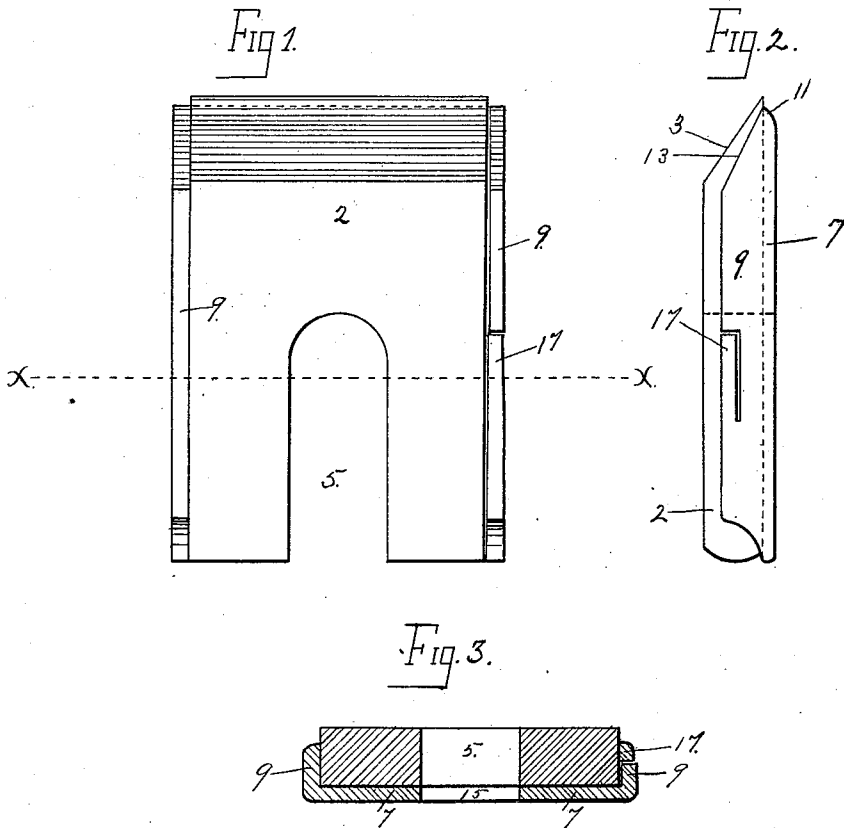


(No Model.)

J. E. ERICKSON.
MOLDING CUTTER HEAD KNIFE.

No. 435,996.

Patented Sept. 9, 1890.



WITNESSES.
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UNITED STATES PATENT OFFICE.

JOHAN E. ERICKSON, OF ST. PAUL, MINNESOTA.

MOLDING-CUTTER-HEAD KNIFE.

SPECIFICATION forming part of Letters Patent No. 435,996, dated September 9, 1890.

Application filed May 8, 1890. Serial No. 350,980. (No model.)

To all whom it may concern:

Be it known that I, JOHAN E. ERICKSON, of St. Paul, Ramsey county, Minnesota, have invented certain Improvements in Molding-Cutter-Head Knives, of which the following is a specification.

My invention relates to improvements in knives of rotary cutter-heads adapted to be driven by any suitable power, and designed for the cutting of moldings and the doing of other similar finishing-work; and it consists in an improved form of cap or cover for the knife adjustably held upon the knife, for the purpose of preventing the deep cutting or gouging of the knife in the wood when cutting against the grain.

My invention further consists in the construction and combination hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of the under side of a knife fitted with my improved cap or cover. Fig. 2 is a side elevation of the same, and Fig. 3 a cross-section of the same on line *x x* of Fig. 1.

In the drawings, 2 represents the knife, of ordinary form, having the bevel-edge 3 to form the blade or cutting part, and the central longitudinal slot 5 entering the other end of the knife, through which is passed the securing screw or bolt for attaching the same to the cutter-head in the ordinary manner.

Arranged upon the top or face of the knife is the cap or cover 7, preferably of flat steel, having the depending edges or flanges 9 extending downward upon and embracing the side edges of the knife. The edge of this plate or cap adjacent to the cutting-edge of the knife is rounded to an edge, as shown at 11, while the end of the flanges next to the knife-bevel have a similar bevel 13. The body

of the cover is provided with a slot 15, registering with the slot 5. While the flanges of the cover which embrace the knife may be formed so as to grip the knife with a spring-pressure, so as to hold the two together in their adjusted position, I prefer to slit one of the flanges longitudinally to form a tongue 17, the end of which is bent inward, as shown best in Fig. 1, so as to bear upon the side of the knife when in place. The knife will thus be firmly held in whatever position it may be slipped to and both secured upon the cutter-head as readily as the knife alone would be. The advantage of this method of securing the parts together is that there are no set-screws or other attachments to project from the tool, so as to interfere with the adjustment in securing it to the cutter-head, and the parts may be adjusted together when removed from the cutter-head by the pressure of the fingers.

I claim—

1. The combination, with the knife 2, of the cover 7, having the depending side flanges 9 embracing the knife and bearing upon the same with spring-pressure, substantially as and for the purposes set forth.

2. The combination, with the knife 2, of the sliding cover 7, having the depending side flanges 9 and the spring-tongue 17, substantially as described.

3. In a device of the class described, means for securing the adjustable cover upon the knife in any desired position, comprising depending lugs or flanges embracing the knife with spring-pressure, substantially as described.

In testimony whereof I have hereunto set my hand this 3d day of May, 1890.

JOHAN E. ERICKSON.

Witnesses:

T. D. MERWIN,
A. MAE WELCH.