

(model.)

H. G. STARR.  
STRAP CUTTER.

421,778.

Fig. 1. Patented Feb. 18, 1890.

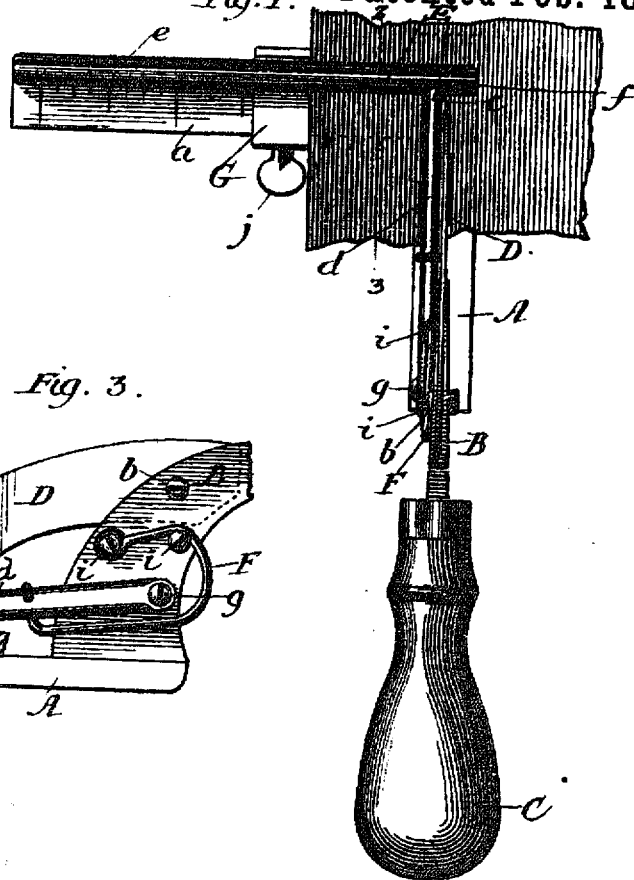


Fig. 3.

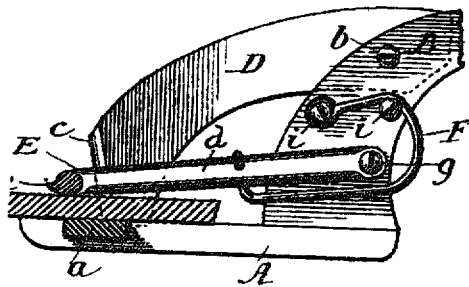
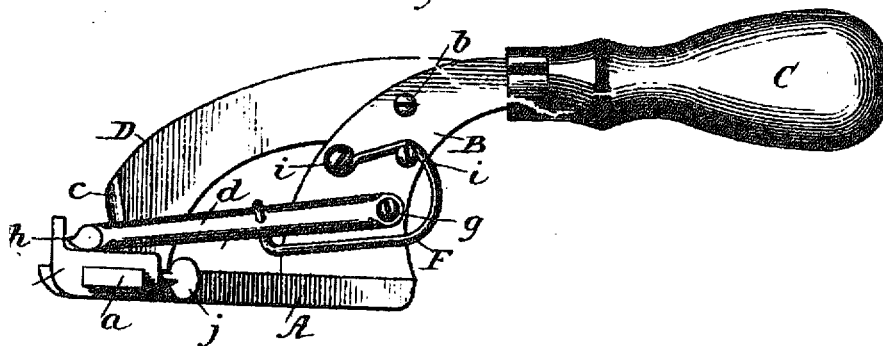


Fig. 2.



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# UNITED STATES PATENT OFFICE.

HUMPHREY G. STARR, OF BELVIDERE, ASSIGNOR TO HIMSELF AND MARIA LOMAX, OF CHICAGO, ILLINOIS.

## STRAP-CUTTER.

SPECIFICATION forming part of Letters Patent No. 421,778, dated February 18, 1890.

Application filed November 16, 1889. Serial No. 330,579. (No model.)

*To all whom it may concern:*

Be it known that I, HUMPHREY G. STARR, residing at Belvidere, in the county of Boone and State of Illinois, and a citizen of the United States, have invented a new and useful Improvement in Tools for Cutting Straps, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan. Fig. 2 is a side elevation. Fig. 3 is a section at line 3 of Fig. 1.

The object of this invention is to construct an improved tool primarily designed to be used by harness-makers for cutting straps of leather of uniform width, which I accomplish as illustrated in the drawings and as hereinafter described.

That which I claim as new will be set forth in the claim.

In the drawings, *A* represents a base-piece, which rests upon a table or bench upon which the leather is to be placed while being cut. The forward end of the base is rounded, as shown, the better to enable it to be moved over a table or bench without catching thereon.

*a* is a side extension of the base *A* at right angles thereto, and extending from the base *A* at a point a short distance back of the rounded forward end. As shown, this side extension is provided with marks indicating inches and fractions thereof.

*B* is a standard formed with or secured to the upper face of the base *A* near its rear end. As shown, this standard *B* is curved rearwardly and a suitable handle *C* is secured in any suitable manner to its upper end.

*D* is a steel blade the upper end of which, as shown, is inserted in a groove in the curved upper edge of the standard *B*, and is held in that position by one or more screws or rivets *b*. The lower and forward end of the steel blade *D* is, as shown, held inserted in a groove in the base *A*. The forward edge *c* of the blade *D* is sharpened, and this part does the cutting.

*E* is a presser-bar consisting, as shown, of the parts *d e f*, which may be made in one piece. The part *d* is pivoted at one end by a pin or pivot *g* to one side of the standard *B*. The part *e* extends at right angles to the part *d* over the side piece *a*. The part *f* extends

in front of the knife-edge *c* and is in line with the part *e*. As shown, the part *e* is provided with a rounded lip *h*, that will allow the end of the strap which is being cut to pass more readily under the presser-bar *E* than otherwise.

*F* is a spring secured and held in place by screws *i* to the side of the standard *B*, as shown, or in any other suitable manner. This spring bears on the part *d* of the presser-bar *E* in such manner as to keep the parts *e f* pressed down against the leather being cut even though the thickness of the strap being cut varies somewhat.

I do not limit myself to the precise form of the spring shown, as it is evident that various other forms of springs may be used for accomplishing the same result.

*G* is a gage on the side extension *a* of the base *A*.

*j* is a thumb-screw to hold the gage in place.

In order to cut a strap from a piece of leather with my improved device, the gage *G* is to be first adjusted on the extension *a* to the same distance from the knife-edge *c* as the width of the strap to be cut. The end of the leather is then to be placed between the base *A* and its side extension *a* and the presser-bar *E*, the side edge of the leather being against the gage and the end of the leather against the knife-edge *c*. The operator is then to push the device forward by means of the handle *C*, and by keeping the gage against the side edge of the leather a strap of uniform width will be cut rapidly. After the cutting has been commenced the strap can be held by the operator in one hand and the tool in the other hand.

What I claim as new, and desire to secure by Letters Patent, is—

In a tool for cutting leather straps, a base *A*, having a side extension *a* integral with the base, in combination with a standard *B*, secured to the base, blade *D*, connected at its rear end with the standard and having its front end resting in a groove in the base, gage *F*, located on the extension *a*, and spring-actuated presser-arm *E*, substantially as and for the purpose specified.

HUMPHREY G. STARR.

Witnesses:

HARRY T. JONES,  
ALBERT H. ADAMS.