

July 3, 1951

J. ENGELN

2,559,291

CUTTING TOOL FOR STRIPS OF LEATHER

Original Filed Dec. 5, 1945

Fig. 1

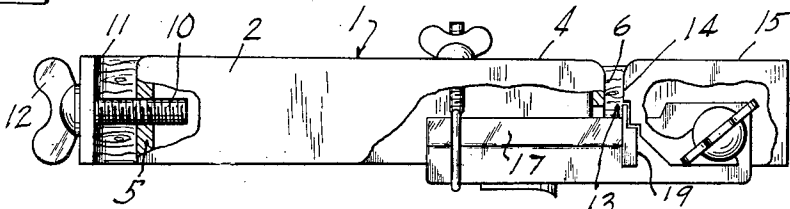
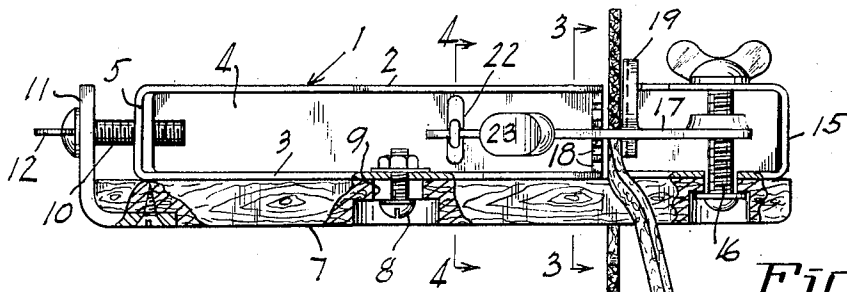


Fig. 2

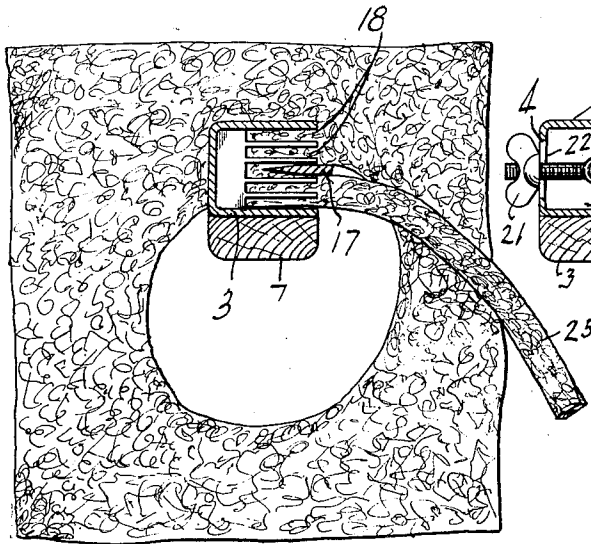


Fig. 3

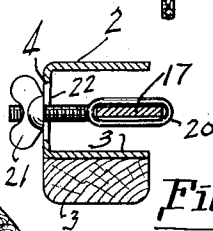


Fig. 4

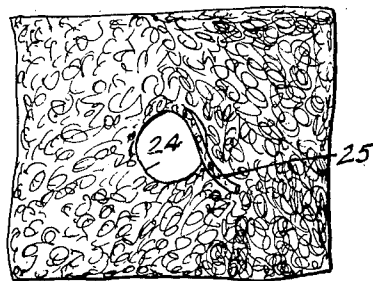


Fig. 5

JOHN ENGELN
INVENTOR.

BY *James D. Givnan*
ATTY

UNITED STATES PATENT OFFICE

2,559,291

CUTTING TOOL FOR STRIPS OF LEATHER

John Engeln, Vancouver, Wash.

Substituted for abandoned application Serial No. 632,931, December 5, 1945. This application July 11, 1947, Serial No. 761,117

1 Claim. (Cl. 30—283)

1

This application is a substitute for my application Serial No. 632,931, filed December 5, 1945, now abandoned.

This invention relates to a device for quickly and conveniently manufacturing long strips of leather out of random sizes of scrap leather for use as boot laces and the like.

The foregoing and other objects will appear as my invention is more fully hereinafter described in the following specification, illustrated in the accompanying drawing and finally pointed out in the appended claim.

In the drawing:

Figure 1 is a plan view of a device made in accordance with my invention.

Figure 2 is a side elevation of Figure 1 with parts broken away for convenience of illustration.

Figure 3 is a sectional end elevation taken along the line 3—3 of Figure 2.

Figure 4 is a sectional end elevation taken on the line 4—4 of Figure 2.

Figure 5 is a reduced plan view of a scrap piece of leather prepared for application to the device for being cut into strips.

Referring now more particularly to the drawing:

Reference numeral 1 indicates, generally, the main body of the device which consists of a frame having a top wall 2, bottom wall 3, and rear wall 4 and end walls 5 and 6. The frame just described is slidably mounted on a base 7 by means of a bolt 8 extending through a slot 9 formed in the bottom wall 3. The frame is movable lengthwise of the base by means of an adjusting screw 10 threadedly mounted in the end wall 5 and extending through a bracket 11 secured to the base as shown. The screw 10 is formed with a winged head 12 for advancing or retarding the screw on the threads in the end wall 5 for advancing or retarding the frame to widen or narrow the gap 13 between the end wall 6 of the movable frame and the end wall 14 of a fixed frame 15 secured to the base 7. The variable gap 13 serves as a guide for the leather being dealt with, which will be more fully hereinafter described. Within the fixed frame 15 I mount by means of a bolt 16 a vertically adjustable cutting blade 17 which extends through horizontal slots 18 in the end wall 6 of the frame 1. The blade is vertically adjustable into the various notches for cutting leather into strips of various predetermined widths. Secured in a vertical position to the blade 17 is a flange 19 to complete one wall of the gap 13 when the blade is in a

2

closed position as shown. Embracing the free end of the blade 17 is an eye bolt 20 provided with a winged nut 21 and movable vertically in a slot 22 formed in the rear wall 4 of the frame

1. The purpose of the eye bolt is to hold the blade within the frame during the cutting operation. This feature is preferably used when the device is set up for the continuous manufacture of leather strips of any particular size, but may be dispensed with when only a few strips are to be made. For the latter purpose and for convenience in holding the plate in the cutting position I form a thumb rest 23.

In preparing a piece of leather to be dealt with by the device, I first cut out an opening as indicated at 24 of sufficient diameter to enable the leather to be passed over the end of the device and into a position where a short strip 25 formed tangentially of the opening may be inserted through the gap 13 formed by the walls 6 and 14 and passed under the cutting blade 17. The strip 25 should be of sufficient length to be firmly gripped by the fingers of the operator. Following this, the blade is held in the cutting position either by the eye bolt 20 or thumb rest 23 as aforesaid, and as the strip 25 is pulled outwardly and is continued to be pulled, the blade will slice the leather in a uniform width in progressively widening circles around the original opening 24 to produce a long continuous strip of leather of uniform width as determined by the setting of the cutting blade in relation to the bottom wall of the frame. As the strip 25 is pulled, the piece of leather from which the strips are cut is rotated around the frame through the gap 13, and as previously stated the width of the gap is variable by the screw 10 to accommodate leather of various thicknesses.

While I have shown a particular form of embodiment of my invention, I am aware that many minor changes therein will readily suggest themselves to others skilled in the art without departing from the spirit and scope of the invention.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:

A device for cutting leather into strips comprising in combination an elongated base, an elongated box-like frame having a top wall, bottom wall, rear wall and end walls, an adjusting screw carried by the base and extending through one of said end walls of the frame for moving the frame lengthwise of the base, the other of said end walls being formed with a plurality of spaced-apart horizontal slots, a second frame se-

3

cured to said base in axial alignment with the first mentioned frame and having a top wall, bottom wall, rear wall and an end wall, said end wall of said second frame being adjacent to said end wall of said first frame having slots formed therein, said end walls being variably spaced-apart to receive the material to be cut, a threaded vertical shaft extending through said second frame, a horizontally disposed cutting blade pivotally mounted on said shaft and adapted to be raised and lowered thereby for selective engagement with the slots in said other end wall of said first mentioned frame, a vertical flange carried by said blade and disposed between the variable spaced-apart adjacent ends of said frames to complete the end wall of the second frame,

4

means adjustably extending through said rear wall of the first mentioned frame and embracing said cutting blade for maintaining the blade within any one of the said slots in the end wall of said first mentioned frame.

JOHN ENGELN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,315,128	Jacquot	Sept. 2, 1919
2,121,681	Bassett	June 21, 1938
2,411,927	Luke	Dec. 3, 1946