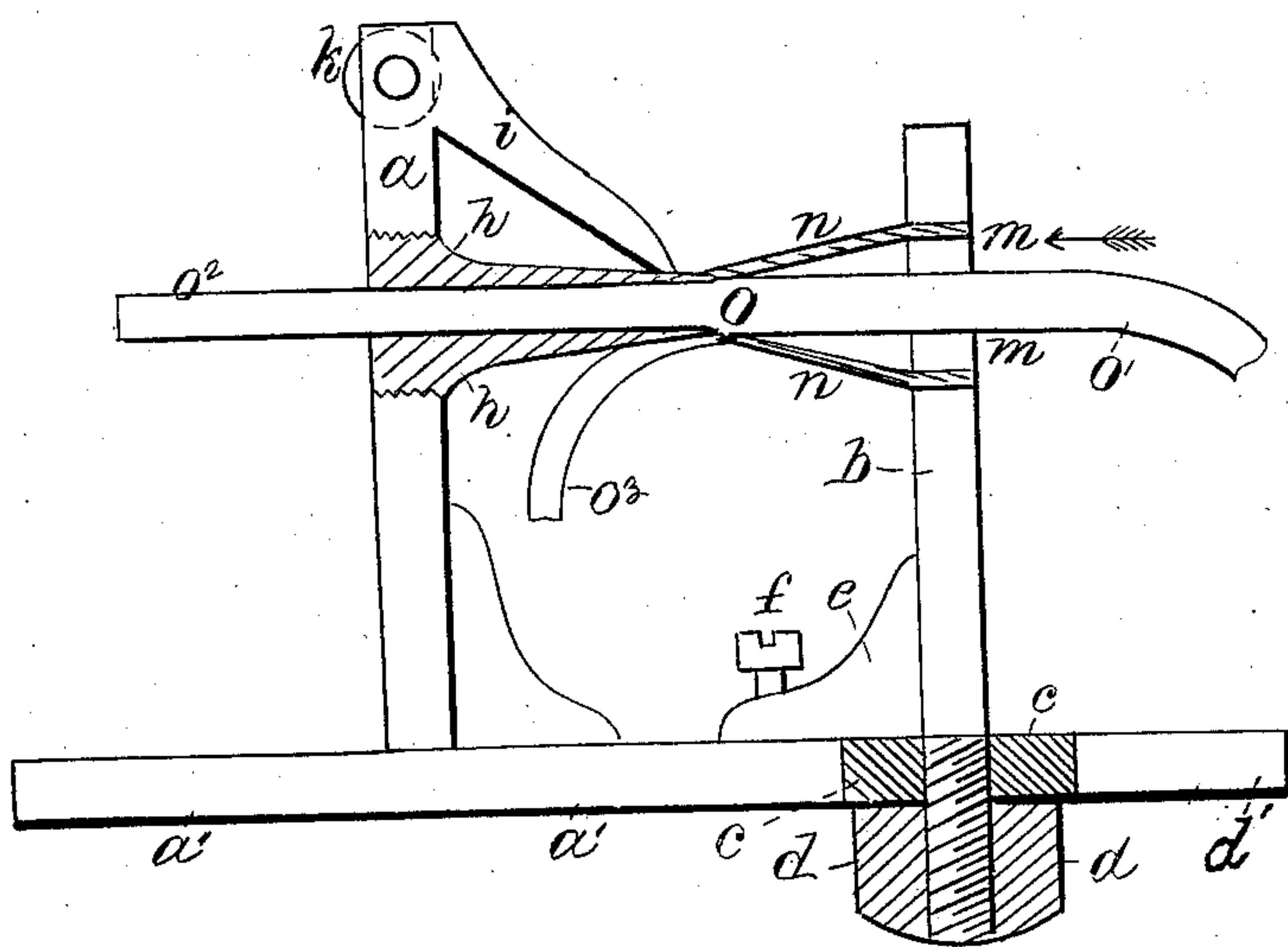


*C. G. Burnham,*

*Cutting Leather.*

*No. 93,803.*

*Patented Aug. 17, 1869.*



Witnesses.

*E. E. Mavon*

*William D. Shipman*

Inventor.

*Christopher G. Burnham*  
*by Ellis H. H. H. H.*  
*Atty*

# United States Patent Office.

CHRISTOPHER G. BURNHAM, OF EAST HARTFORD, CONNECTICUT, ASSIGNOR TO HIMSELF AND LEWIS H. ROGERS, OF SAME PLACE.

Letters Patent No. 93,803, dated August 17, 1869.

## IMPROVEMENT IN MACHINE FOR CUTTING LEATHER INTO ROUND BANDS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHRISTOPHER G. BURNHAM, of East Hartford, in the county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Devices for Cutting Leather into Round Bands; and I declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference thereon, forming a part of this specification.

Figure 1 is a side elevation, in section, of my device. The letter *a* designates the frame of the machine, of which *a'* is the base, and *a*, the single upright upon it. This frame is made of cast-metal, preferably of iron or brass.

The letter *b* designates a movable upright, adjustable backward and forward in the slot *c*, and fastened when properly adjusted by the nut *d*.

Upon the side of the movable upright *b* are two cuts or shoulders, one of which, *C*, is seen in the drawings, situated upon either side of the slot *c*.

In the ends of these shoulders are adjusting-screws *f*, which bear down against the base of the frame, and by means of which the top of the movable upright can be canted somewhat backward or forward, as desired.

It should be stated just here, that the drawing is about the size of a working machine, and that the breadth of the base—a thing not to be determined by a view of the drawing—is one and three-fourths inches. The base is to be screwed to a table.

Into the upright *a* is screwed the cutter *h*, which is round upon the outside, and has a round hole through the centre; in fact, it closely resembles the hollow cutter of a belt-punch.

Different sizes of these cutters can be used to cut different sizes of bands.

The letter *i* designates a knife, hung in a slot in the top of the upright *a*, and tightened in its place by the thumb-screw *k*. The office of this knife is to di-

vide the waste leather upon each side, as the strip is pulled through the cutter.

In the top of the movable upright *b* is a square hole, *m*, considerably larger than any strip of leather which is to be run through the machine.

On each of the four sides of this square hole is fastened a flat metal spring, two of which, the upper and the under ones, *n* and *n*, are seen in the drawing.

These four springs are made to form the four sides of a square funnel as they approach the point of the cutter *h*, in such fashion that they will press steadily upon the four sides of the square strip which is being drawn through them. The edges of these springs are not united to each other, and will permit strips of different size to pass through.

The letter *o* designates a strip of leather, which is being drawn through the device.

It is square at *o*<sup>1</sup>, but when it comes through at *o*<sup>2</sup> it is round, the surplus leather having been stripped off by the cutter *h* and the knife *i*, and taking the direction *o*<sup>3</sup>.

To start a strip through this device, it must first be pointed, and drawn through till it can be seized at *o*<sup>2</sup>, when the pulling can be continued by manual or machine power.

The product is used for sewing-machine belts, whiplashes, and the like.

I claim as my invention—

1. The combination of the springs *n n n n*, and the cutter *h*.

2. The combination of the springs *n n n n*, the cutter *h*, and the knife *i*, the whole being constructed and arranged as described, for the purpose set forth.

Dated June 24, 1869.

CHRISTOPHER G. BURNHAM.

Witnesses:

W. ED. SIMMS,  
L. H. ROGERS.