

(No Model.)

E. M. DICKINSON.

ART OF CUTTING HEEL RANDBS FROM COUNTER BLANKS.

No. 316,130.

Patented Apr. 21, 1885.

Fig. 1.

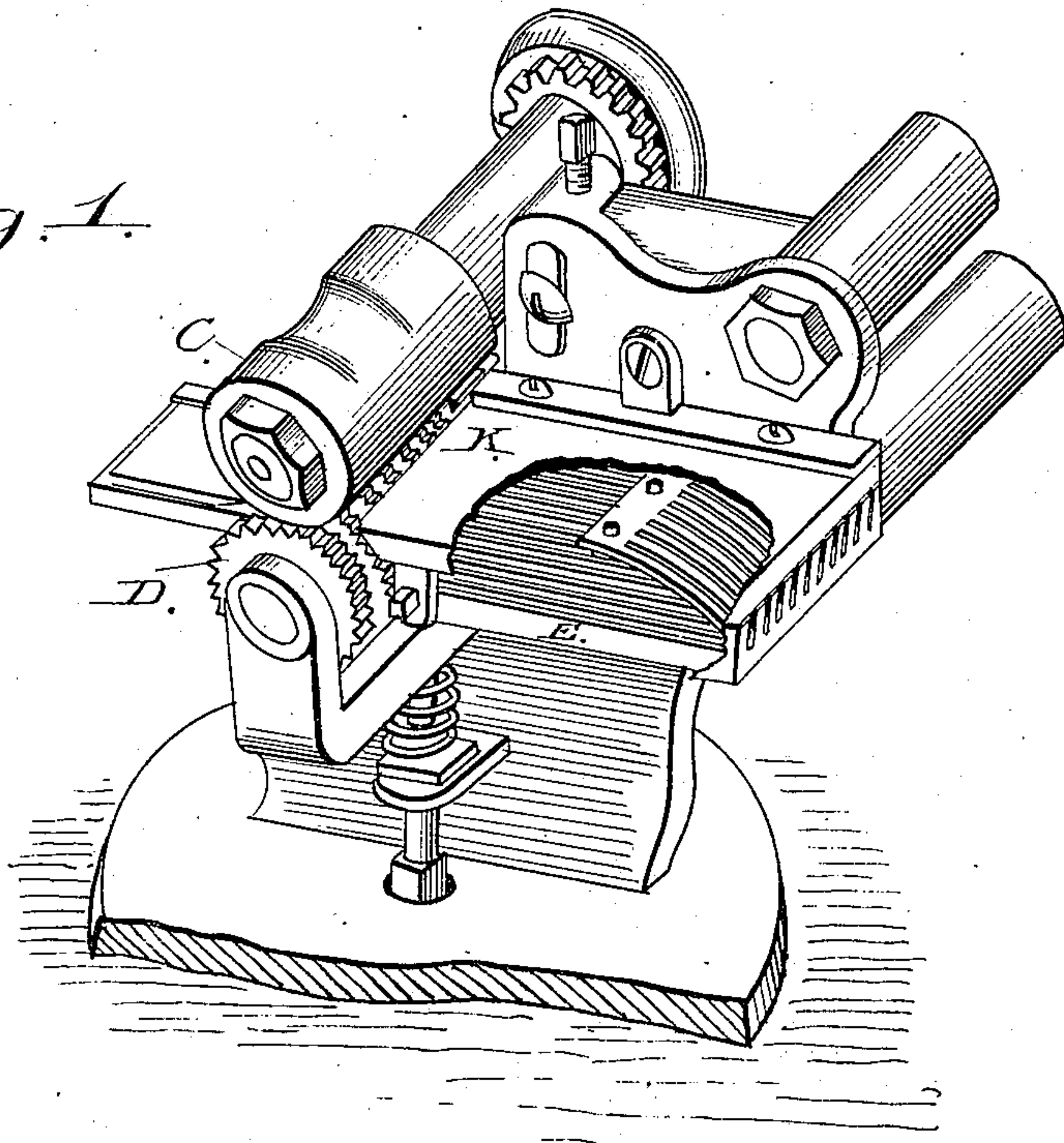
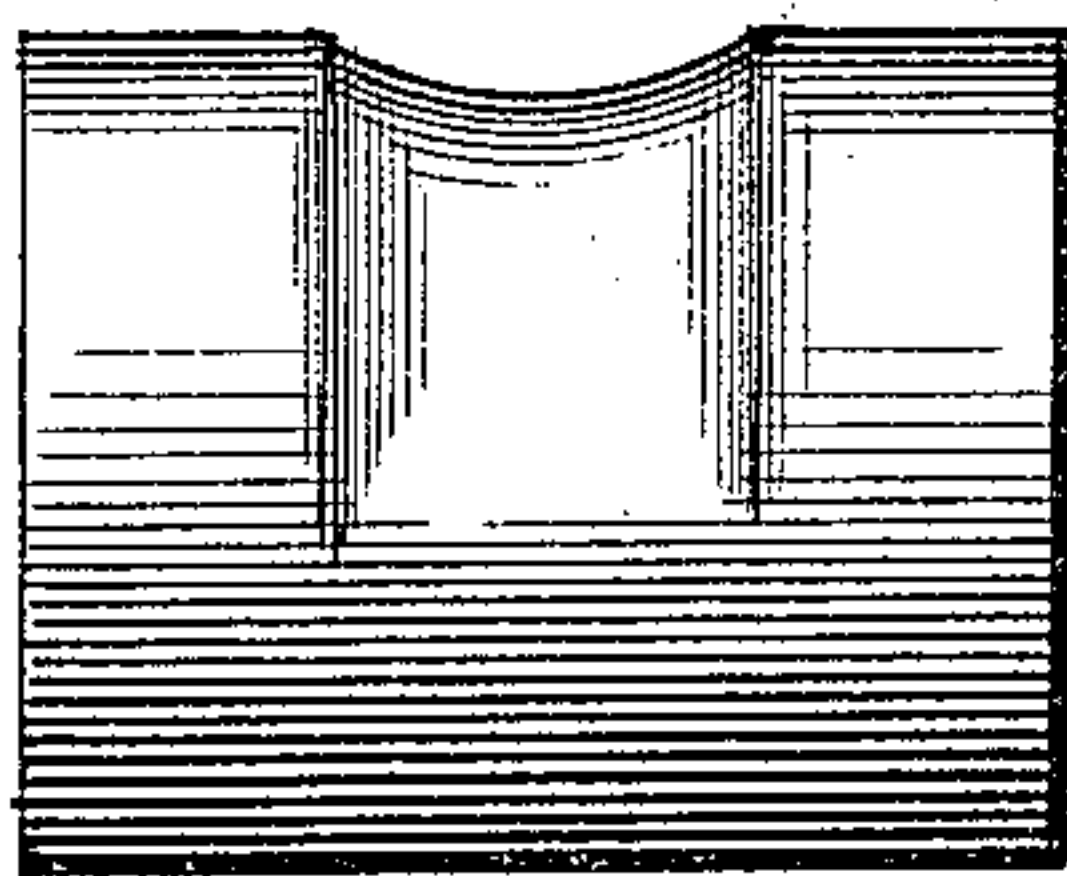


Fig. 2.



Attest;

*J. W. Fowler
Daniel Clark.*

Inventor;

*Elijah M. Dickinson
Per Atty's
A. H. Ernst & Co.*

UNITED STATES PATENT OFFICE.

ELIJAH MARSH DICKINSON, OF FITCHBURG, MASSACHUSETTS.

ART OF CUTTING HEEL-RANDS FROM COUNTER-BLANKS.

SPECIFICATION forming part of Letters Patent No. 316,130, dated April 21, 1885.

Application filed February 27, 1885. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH M. DICKINSON, of Fitchburg, in the county of Worcester and State of Massachusetts, have invented certain
5 new and useful Improvements in the Art of Manufacturing Heel-Rands from Counter-Blanks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of
10 this specification, in which—

Figure 1 is a perspective view of a leather-skiving machine with a portion of the feeding-table broken away to show the mechanism arranged underneath it. Fig. 2 is a top or
15 plan view of the impression-roll.

My invention relates to the skiving of shoe-counters; and it consists in skiving the counter-blank and separating the heel-rands at the same operation, a mechanism well adapted for
20 carrying out my invention being Patent No. 220,286, issued to Merritt M. Holton, October 7, 1879, with a change in the form of the depression in one of the rolls.

It is well understood in the trade that heel-rands may be obtained from foot or shoe counters—one at each operation of the machine—and that they constitute a valuable article of commerce if cut with sufficient regularity to be utilized in the manufacture of shoes. To
30 accomplish this end it has heretofore been the practice to skive, first, the one side of the counter-blank by some suitable machinery, and then, by reversing the blank, to pass it a second time through the machine in order to
35 skive the other side and separate the rand. My improved method of doing this work is to skive both sides of the blank and separate two rands at one and the same time by a single operation of the machine, thus doing the work
40 in one-half the time and necessarily cheapening the rands in the market.

To enable others to understand and use my invention, I will now proceed to describe the exact manner in which I have carried it out.

45 A machine well adapted to carry out my improved method of skiving counters is that

which is fully described and illustrated in Patent No. 220,286, before mentioned, with the exception of the impression-roll, which I change, as shown in Fig. 2, making the sides
50 of the depression *b* nearly parallel with each other, instead of oval, as in the said patent, the depression corresponding with the width of the counter-blank to be skived and of a length equal to or greater than counter-blanks,
55 whereby I am enabled, not only to skive the counter and to cut the rands from both sides of the blank at one and the same operation of the machine, but to cut them regularly the full length of the blank, which is essentially
60 necessary in order to constitute the rands an article of any value in a commercial point of view. After the rands have been thus separated from the counter-blank, the latter may be skived at its ends in any well-known way.
65 The counter-blank is placed upon the table K, so that the forward end thereof rests against the spring-stop. (Not shown.) The rolls are then revolved, and as the impression in rolls C comes round to said stop it is thrown away
70 from the rolls, so that the counter-blank is carried forward between the rolls C D (and the blank to be skived is forced into the depression in the roll C by the spring-arms E) and against the knife, which skives the counter-stiffener, and skives off both rands at the
75 same time.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—
80

The improvement in the art of manufacturing heel-rands from a counter-stiffener blank which consists in holding the blank under pressure and then skiving off portions from the opposite edges suitable for the rands at a
85 single operation, substantially as set forth, whereby the rands and the stiffener are left with properly-beveled edges.

ELIJAH MARSH DICKINSON.

Witnesses:

C. P. DICKINSON,
C. W. BENNETT.