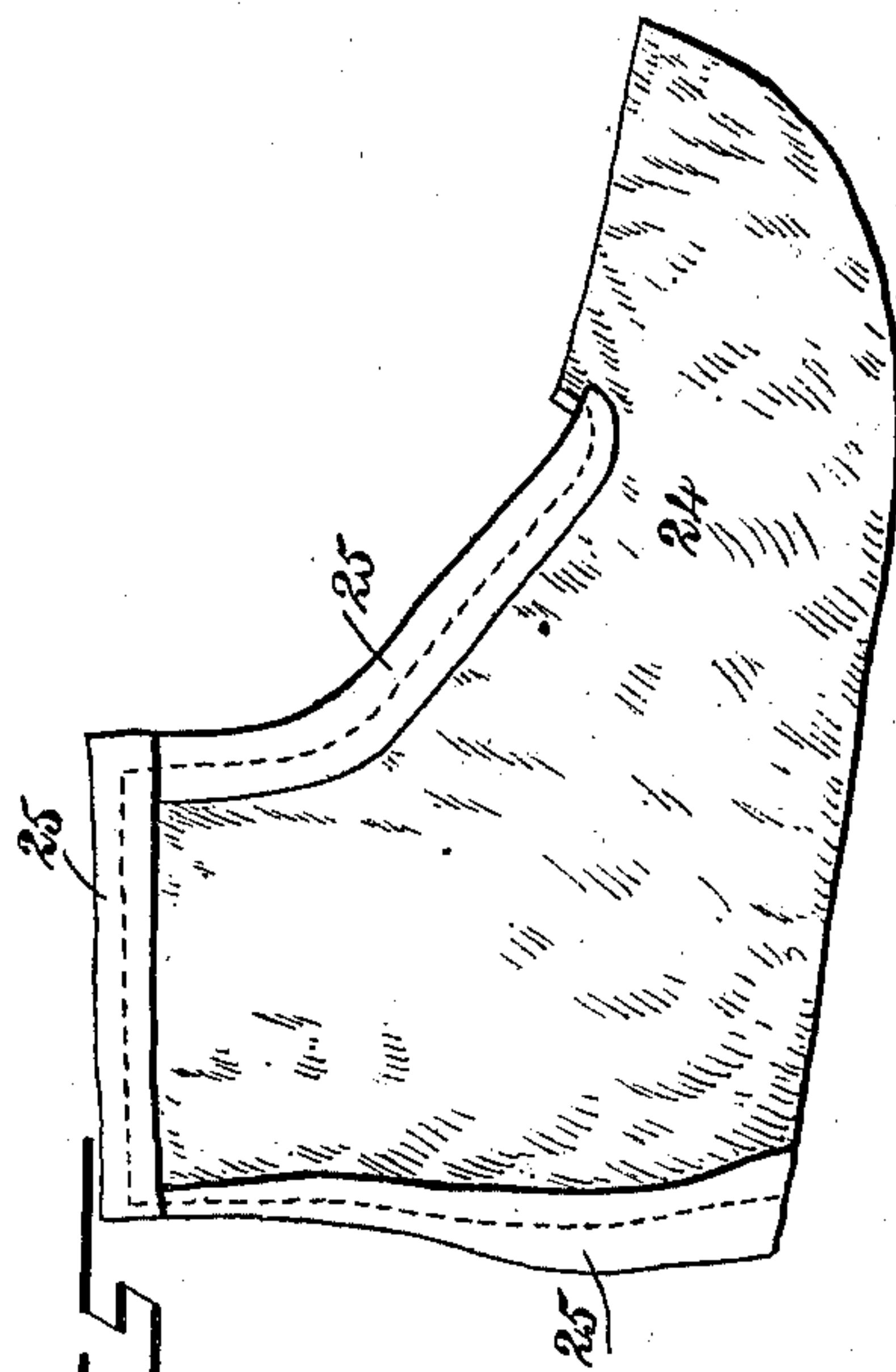
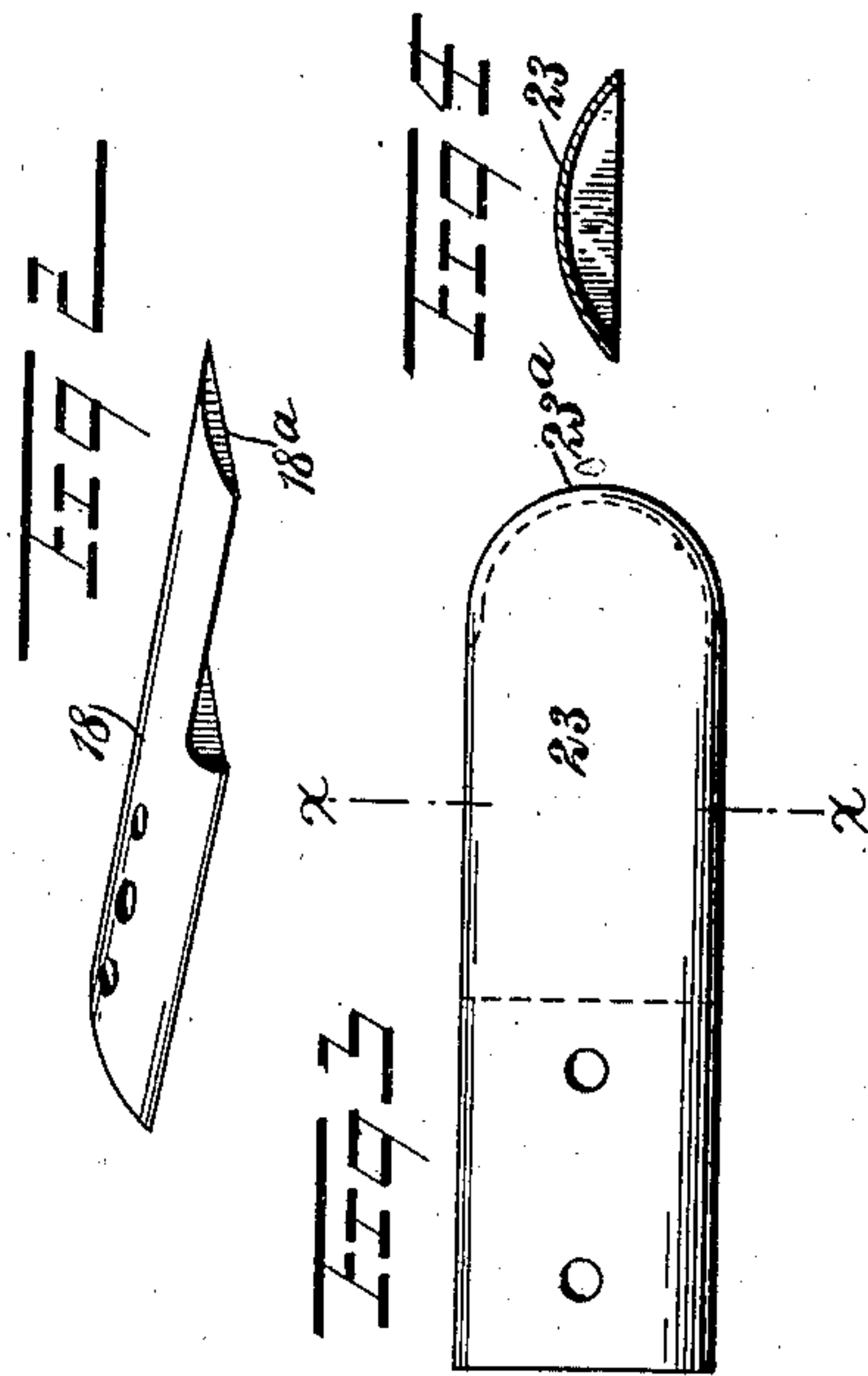
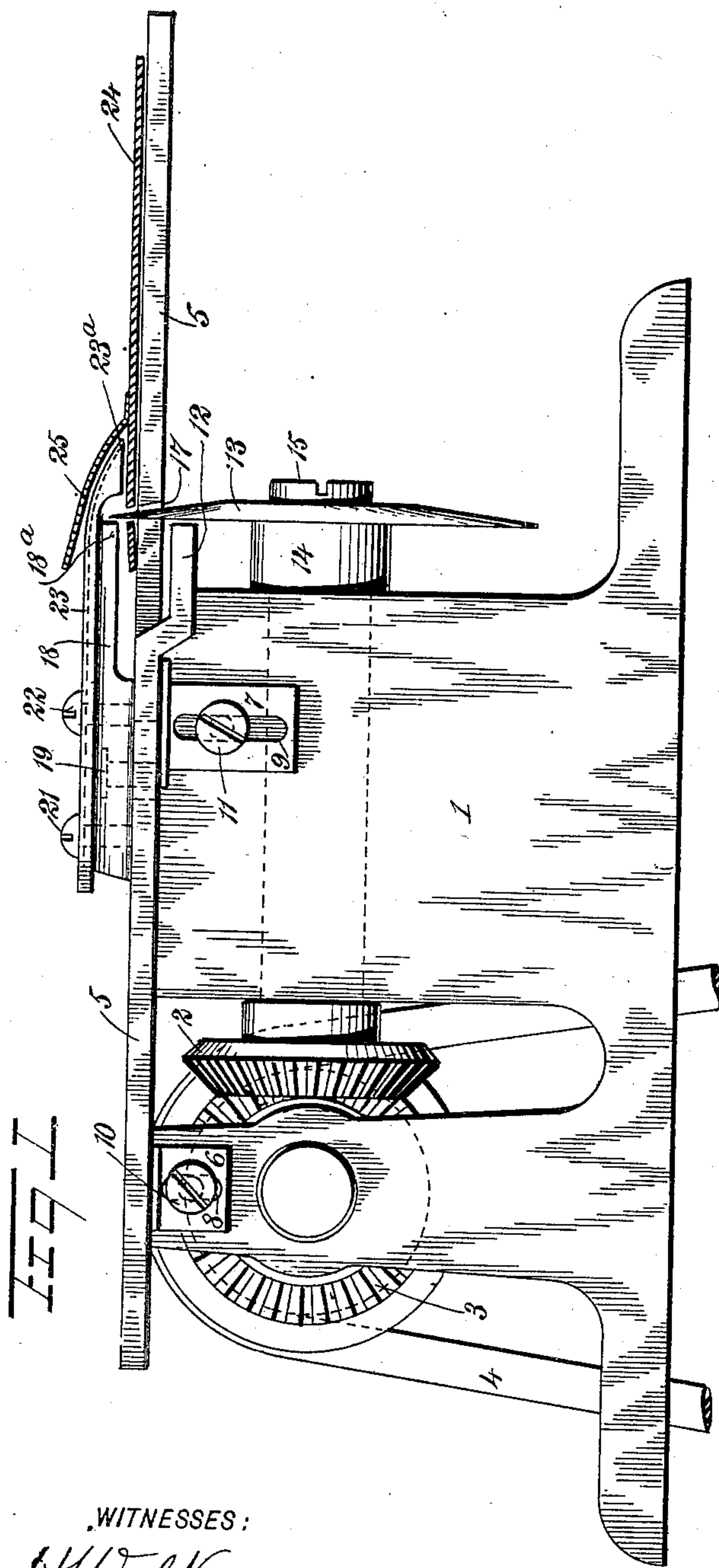


No. 707,906.

Patented Aug. 26, 1902.

C. B. CORWIN.
SHOE LINING TRIMMER.
(Application filed Mar. 6, 1902.)

(No Model.)



WITNESSES:

H. Walker
Walton Harrison

INVENTOR
Charlton Bayse Corwin
BY *Munn & Co*
ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLTON BAYSE CORWIN, OF JEFFERSON CITY, MISSOURI.

SHOE-LINING TRIMMER.

SPECIFICATION forming part of Letters Patent No. 707,906, dated August 26, 1902.

Application filed March 6, 1902. Serial No. 96,908. (No model.)

To all whom it may concern:

Be it known that I, CHARLTON BAYSE CORWIN, a citizen of the United States, residing at Jefferson City, in the county of Cole and State of Missouri, have invented certain new and useful Improvements in Shoe-Lining Trimmers, of which the following is a full, clear, and exact description.

My invention is a shoe-lining trimmer, and is intended to do certain work relating to the trimming of linings of shoes, said work having been heretofore done by hand.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a machine embodying my invention. Fig. 2 is a perspective view of the cutting-block. Fig. 3 is a plan view of the gage. Fig. 4 is a section of the same upon the line xx in Fig. 3. Fig. 5 is a plan view of the unfinished shoe from which the linings are to be trimmed.

Upon a frame 1 is mounted a pair of bevel-gears 2 3, the same being actuated by means of the belt 4, leading from any suitable source of power. A table 5 is mounted upon the frame and is adjustably secured thereto by means of the brackets 6 7, which are provided with slots 8 9, said slots being engaged by the adjusting-screws 10 11. A tongue 12 is cut in the table and is depressed, as shown in Fig. 1. A revoluble disk-shaped cutter 13 is mounted upon the shaft 14 and secured thereto by a knife-screw 15. The table 5 is separated from the revoluble cutter 13 by a small space 17. A cutting-block 18 is loosely fitted upon the table 5 and is adjustable relatively thereto by means of a screw 19 and is also adjustable relatively to the revoluble disk 13. At 18^a the cutting-block 18 is provided with an angular edge which closely approaches the edge of the cutter 13 and which is adjustable relatively thereto by adjusting the cutting-block. If desired, the cutting-block can be adjusted that its cutting edge has loose contact with the revoluble cutter, so that the edge of said cutter passes against the edge 18^a of said cutter-block with a motion analogous to that of a pair of scissors-blades. The cutting-block 18 is mutilated by undercutting the same in rear of the angular edge 18^a there-

of, as will be seen by reference to Figs. 1 and 2, and this undercut portion of the block leaves a space between the free overhanging end of said block and the table, into which space is adapted to enter the cuttings which are severed from the shoe-lining by the operation of the rotary cutter. A gage 23, having a substantially spoon-shaped end 23^a, as shown more particularly in Figs. 1 and 3, is loosely fitted upon the cutter-block 18 and is adjustable thereon by means of the adjusting-screws 21 22. The shoe-lining is shown at 24, and the facing is shown at 25 in Figs. 1 and 5.

The operation of my device is as follows: The parts being arranged as indicated in Fig. 1, the unfinished shoe is laid upon the table, the facing being loosely placed over the gage 23. The shoe is then fed in a direction laterally with reference to the position of the revoluble cutter and the cutter severs the superfluous cloth from the shoe-lining, as indicated in Fig. 1. The facing 25 merely glides over the rotund surface of the gage 23. It will be noted that the table 5 is adjustable relatively to the frame and the general position of the knife, that the cutter-block 18 is longitudinally adjustable relatively to the table and to the edge of the revoluble cutter, and that the gage 23 is longitudinally adjustable relatively to the cutter-block 18, to the table 5, and to the revoluble cutter 13. By means of these adjustments almost any desired position can be given to the several parts and the revoluble cutter may be used in a multitude of relations. The work is preferably fed in the same direction that the cutter travels, so that the cutter acts to some extent as a feed.

I find that by the above arrangement excellent cutting can be done with a comparatively dull cutter, provided the same be given a suitable speed. The revoluble cutter is easily detached for the purpose of grinding and is easily replaced by another revoluble cutter.

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

1. A shoe-lining trimmer, comprising a frame, a table, a revoluble cutter mounted on the frame, a cutting-block mounted on the table and having an undercut overhanging

end forming a space between itself and the table, and a gage adjustably secured upon said cutting-block, and extending beyond the overhanging end thereof.

- 5 2. A shoe - lining trimmer, comprising a frame, a table, a revoluble cutter mounted on the frame and a cutting-block and a gage both mounted on the frame adjacent to said revoluble cutter and adjustable relatively thereto, said cutting-block having an undercut
10 overhanging end forming a space between itself and the table, and said gage extending beyond said overhanging end of the cutting-block.
- 15 3. A shoe - lining trimmer, comprising a frame, a table, a revoluble cutter mounted on said frame, means for adjusting said table relatively to said cutter, a cutting - block mounted on said table and provided with an
20 overhanging end forming a space between itself and the table, said end of the cutting-block terminating in an angular edge which is in opposing relation to the face of the cutter, and means whereby said block may be
25 adjusted relatively to said revoluble cutter to vary the distance between the angular edge of the block and the face of the cutter.
- 30 4. A shoe - lining trimmer, comprising a frame, a revoluble cutter mounted thereon, a table, a cutting-block adjustably secured to said table, said cutting-block being provided with an overhanging end forming a space between itself and the table, and said end terminating in an angular edge, means whereby
35 said cutting-block may be adjusted relatively to the face of said cutter, and a gage projecting over the overhanging end of the cutting-block and beyond the angular edge thereof.

5. A shoe - lining trimmer, comprising a table, a revoluble cutter mounted adjacent thereto, a cutting-block to be secured upon
40 said table, said cutting-block being provided with an angular edge, and a gage provided with a substantially spoon-shaped end to be secured upon said cutting-block, the arrangement being such that said gage overhangs said
45 cutter and is adjustable relatively thereto.

6. A shoe - lining trimmer, comprising a table, a revoluble cutter mounted adjacent thereto, a cutting-block to be secured upon
50 said table, said cutting-block being provided with an angular edge, a gage mounted upon said cutting-block and provided with a downwardly-projecting end overhanging the edge of said cutter, and means for adjusting the
55 height of the table relatively to the operating edge of said cutter.

7. A shoe - lining trimmer, comprising a table, a revoluble cutter mounted adjacent thereto, a cutting-block provided with an angular surface and also provided with a mutilation adjacent to said surface, and means
60 for adjustably securing said cutting-block upon said table, the arrangement being such that said cutting-block may be so adjusted as to present said angular edge immediately adjacent to said revoluble cutter by leaving a
65 vacant space between said angular surface and said table.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLTON BAYSE CORWIN.

Witnesses:

LOUIS FOHRMAN,
JOHN MCCARTHY.