

(No Model.)

M. J. FERREN.
BOOT AND SHOE PATTERN.

No. 288,417.

Patented Nov. 13, 1883.

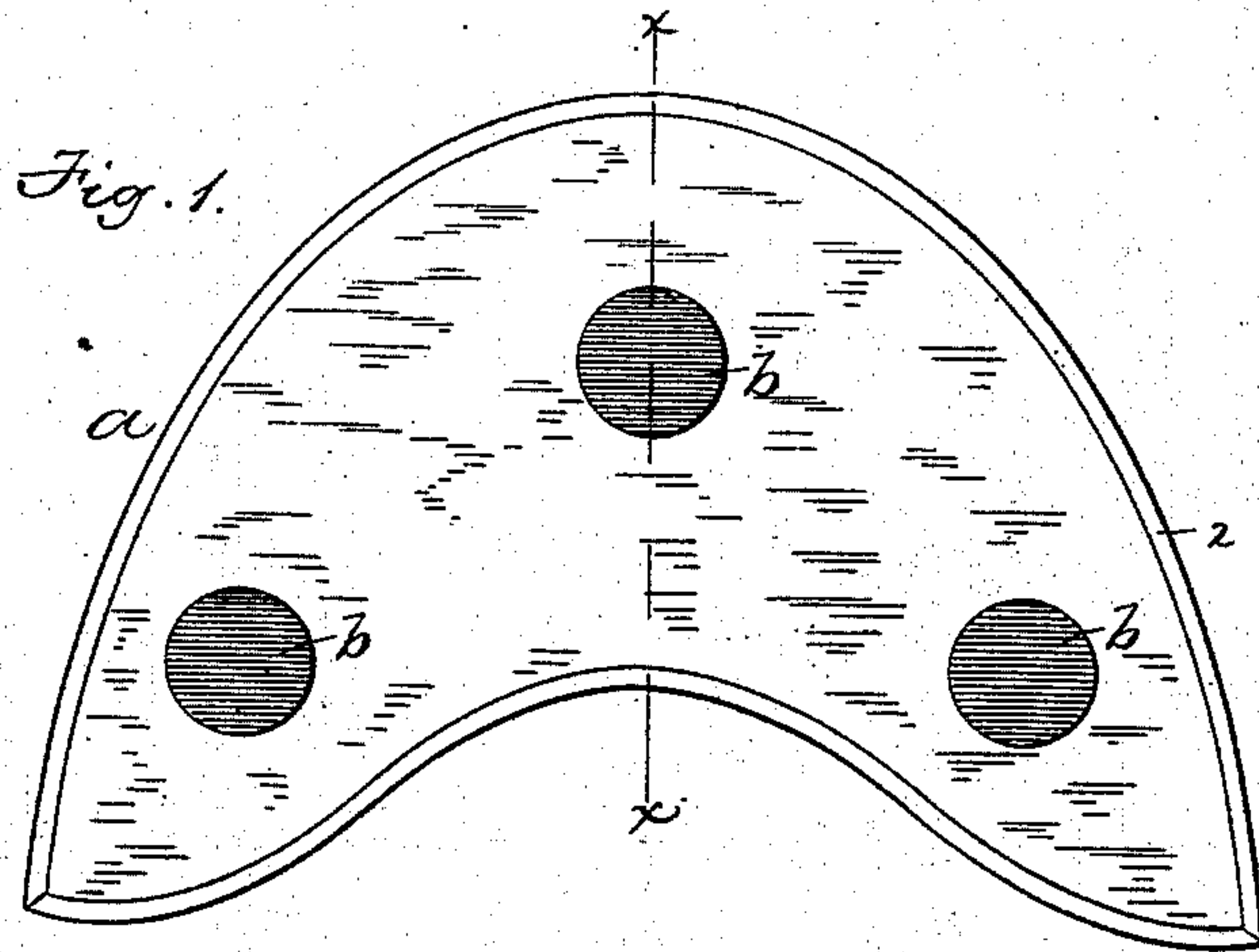
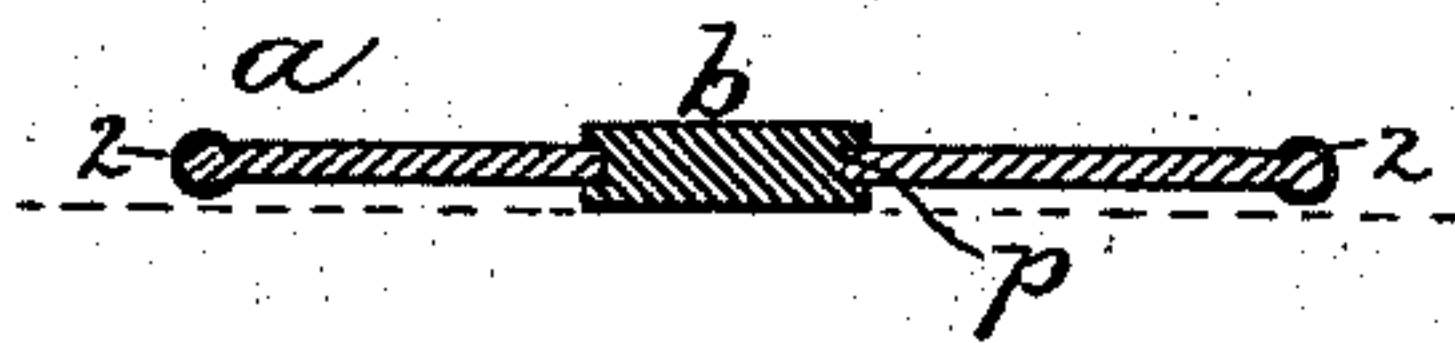


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

MYRON J. FERREN, OF STONEHAM, MASSACHUSETTS.

BOOT AND SHOE PATTERN.

SPECIFICATION forming part of Letters Patent No. 288,417, dated November 13, 1883.

Application filed September 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, MYRON J. FERREN, of Stoneham, in the county of Middlesex and State of Massachusetts, have invented certain
5 Improvements in Boot and Shoe Patterns, of which the following is a specification.

This invention relates to patterns used in cutting out parts of boot and shoe uppers. Such patterns are usually made of leather-
10 board, pasteboard, or other like material, and provided with a sheet-metal binding around their edges. When in use, the pattern is pressed down by one hand of the operator against a piece of leather on a cutting board or table,
15 while he moves the cutting-knife along the edges of the pattern with the other hand. The materials of which the pattern is made render it liable to slip on the leather in consequence of the pressure of the knife against
20 its edge, or from other causes. When the pattern slips slightly and the cutter continues to cut without readjusting the pattern, the piece of leather is improperly formed, and is in many cases rendered useless.

25 My invention consists in a boot or shoe pattern provided with frictional pads or bearing-surfaces adapted to rest on the leather being cut and prevent the pattern from slipping accidentally during the cutting operation, as I
30 will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a plan view of a pattern provided with my improvement. Fig. 2 represents a section on
35 line *x x*, Fig. 1.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents a pattern of the usual general construction, the same being composed of a piece of leather-board or
40 other like material, and provided with a metallic binding, 2.

In carrying out my invention I provide the body of the pattern with one or more perforations, *p*, and place in said perforations
45 blocks or pads *b*, of yielding rubber or other suitably frictional material. Said blocks project outwardly beyond the sides of the pat-

tern, and constitute frictional bearing-surfaces adapted to rest on the leather to be cut, and
50 by their friction prevent the pattern from slipping thereon when the knife is bearing against the edge of the pattern. I prefer to make each block or pad *b* with a circumferential groove to receive the margin of the per-
55 foration in the pattern, as shown in Fig. 2, the portions of the periphery at opposite sides of the groove forming flanges bearing against the sides of the pattern and preventing the block
60 or pad from dropping out from the perforation. If desired, however, each pad or block may be held in place in its perforation by its effort to expand after being placed in the perforation in a compressed condition.

I do not limit myself to the use of rubber
65 as a frictional material, as any other material which has sufficient friction to accomplish the desired result may be used without departing from the spirit of my invention. For example, a pad or pads of chamois-leather may be
70 secured to the pattern in any suitable manner. I prefer rubber, however, applied in the manner above set forth, as the best method of carrying my invention into effect of which I am
75 aware. It is obvious that one or more pads or blocks may be employed.

I claim—

1. As an article of manufacture, a boot or shoe pattern provided with one or more frictional pads or bearing-surfaces adapted to
80 rest on the material to be cut and prevent the pattern from slipping thereon, as set forth.

2. A boot or shoe pattern provided with one or more perforations and with blocks of yielding rubber inserted in said perforations,
85 and projecting outwardly beyond the sides of the pattern, so as to form frictional bearing-surfaces, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two
90 scribing witnesses, this 26th day of September, 1883.

MYRON J. FERREN.

Witnesses:

C. F. BROWN,
A. L. WHITE.