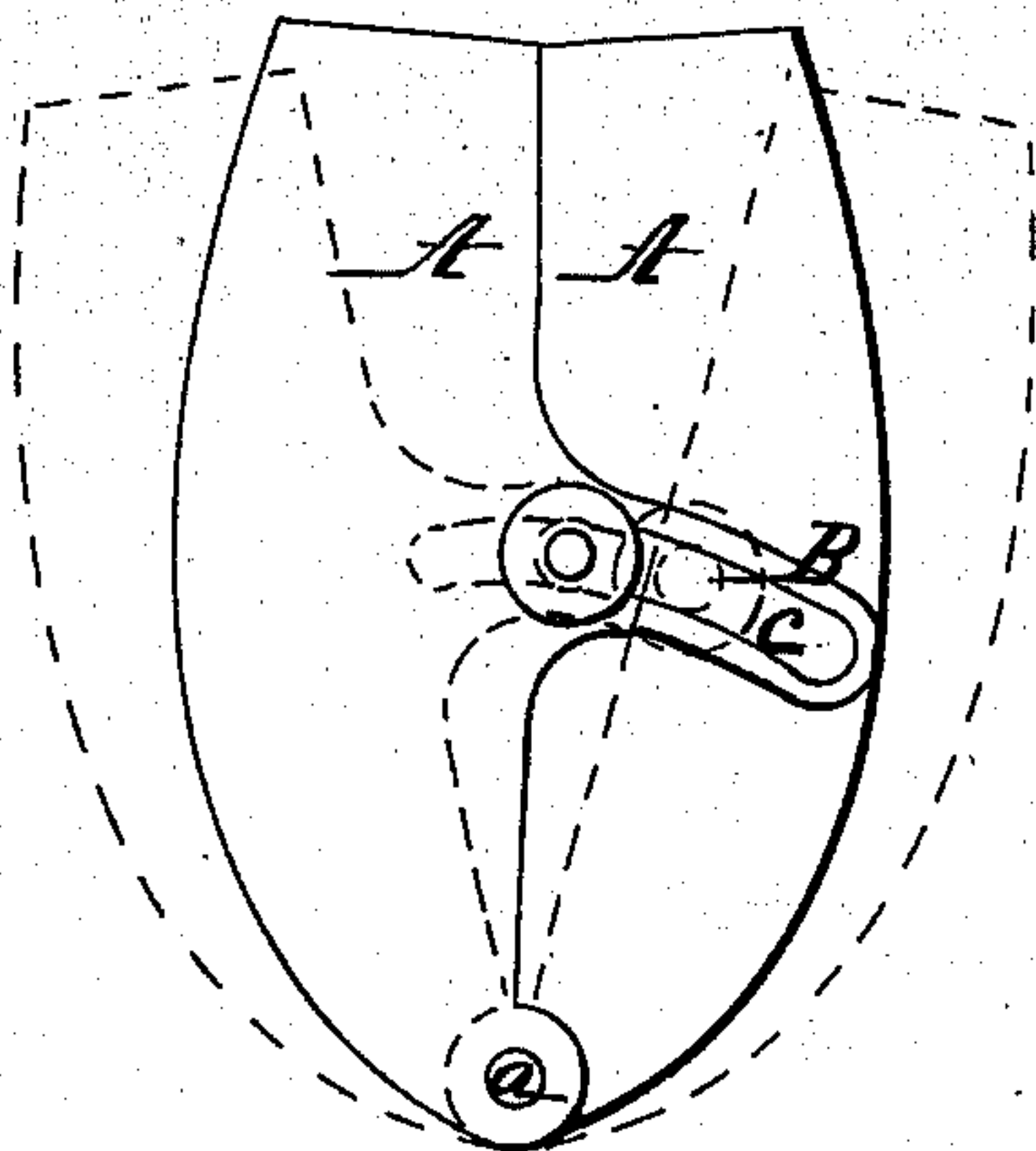


J. Brobst,
Heel Pattern,
Nº 80,904, Patented Aug. 11, 1868.



Witnesses:
H. S. Millson
A. Zollars

Inventor:
Jacob Brobst

United States Patent Office.

JACOB BROBST, OF FORT WAYNE, INDIANA.

Letters Patent No. 80,904, dated August 11, 1868.

IMPROVED METALLIC HEEL-PATTERN.

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, JACOB BROBST, of Fort Wayne, in the county of Allen, and State of Indiana, have invented certain new and useful Improvements in Adjustable Heel-Patterns; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, in which like letters refer to like parts in the different figures.

To enable others skilled in the arts to make and use my invention, I will proceed to describe its construction and operation.

The nature of my invention consists in constructing an adjustable metallic heel-pattern for marking boot-heels of all sizes and grades. This adjustment is accomplished instantaneously by the most simple and effective means.

A A' represent segmental sections of my gauge, which are hinged together, as seen in the drawings at *a*, which point represents the back of the heel at the centre. These segments may be curved in any desirable style to suit the demands of the trade. The inner edges of these segments are straight, and, when the apparatus is closed up to the smallest compass, their edges meet. A slotted arm, B, is attached to the edge of one of said sections A, which extends over and across section A'. Said slotted curved arm is connected with the hinge *a*, as seen in the drawings. C represents a stud, which is secured to the edge of segment A', and which works in slot *c* of curved arm B. Said stud is provided with a set-screw, for the purpose of adjusting and securing said segments in adjustment, as will be readily understood.

The operation is as follows:

The apparatus is set at the desired size, which may be gauged by a scale, properly numbered. It is then laid on in the proper position, and the form is marked off, as by solid patterns. At the same time, the point of an awl may be inserted through one of the small holes on each side of said heel, so as to slightly perforate the leather. A line, then drawn from these points, will give the front edge of the heel. Care must be taken to insert the awl through corresponding holes on each side, in order to bring the front edge of the heel at right angles to the line of the sole of the boot.

Among the advantages presented by this apparatus, may be enumerated, first, its great simplicity, effective operation, its cheapness, together with its utility. The mechanic who uses this apparatus is saved the time and trouble of selecting from a great number of patterns, of all sizes and grades of boots, in order to get one suitable for the work in hand.

What I claim as new, and desire to secure by Letters Patent, is—

1. Segments A A', hinged and operated in the manner and for the purposes described and set forth.
2. The combination of the hinged segments and curved slotted arm and stud, and set-screw, the same being constructed in the manner and for the purpose set forth.
3. Perforations *a a'* on the edge of sections A A', for the purpose of admitting the point of a sharp instrument, as described, and for the purposes set forth.

JACOB BROBST.

Witnesses:

H. F. WILLSON,
A. ZOLLARS.