

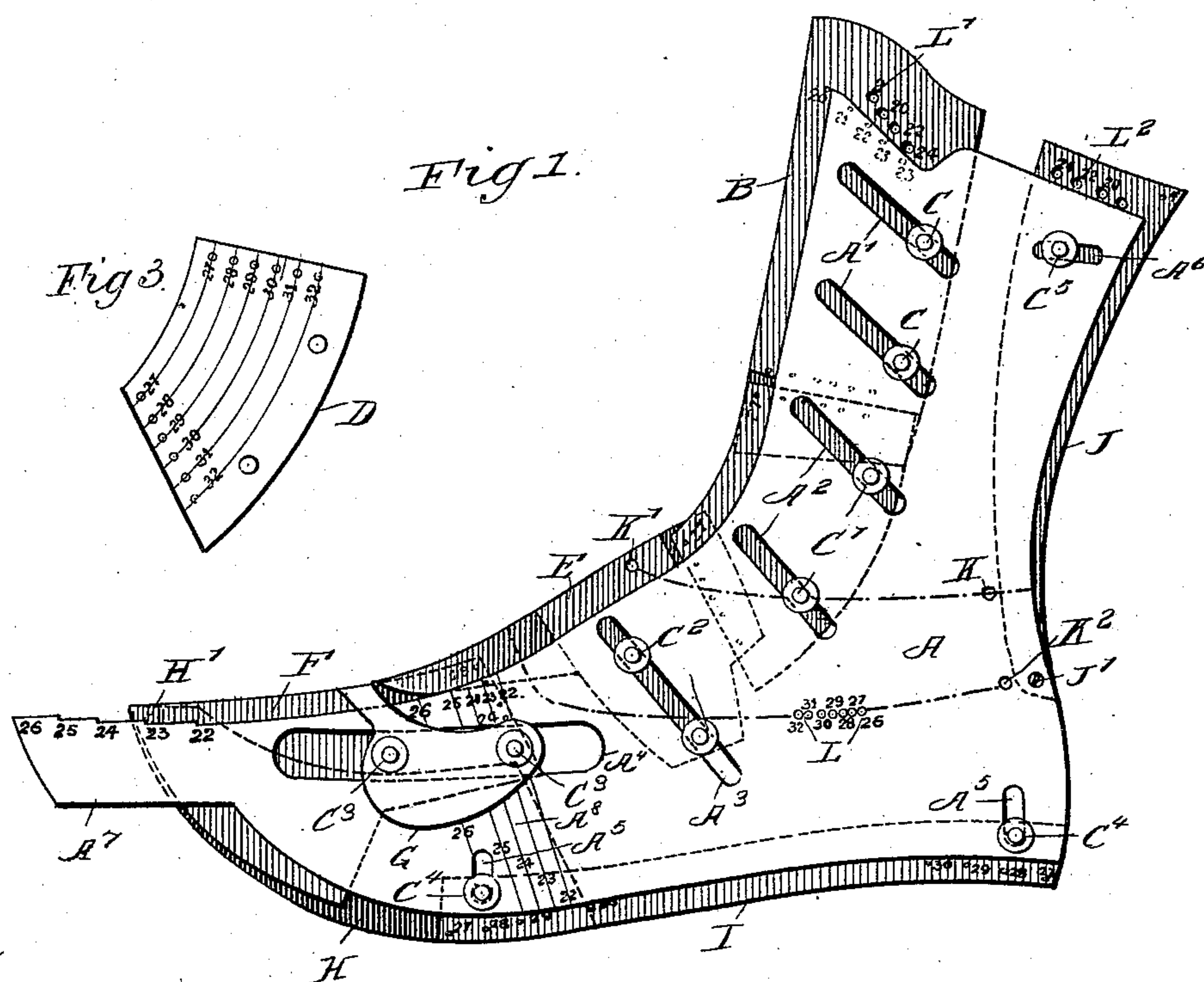
(No Model.)

2 Sheets—Sheet 1.

A. EHRENREICH.
ADJUSTABLE FOOT GEAR PATTERN.

No. 534,210.

Patented Feb. 12, 1895.



WITNESSES:

Paul J. Foster
Thos. J. Foster

INVENTOR

A. Ehrenreich
BY *Munn & Co*
ATTORNEYS.

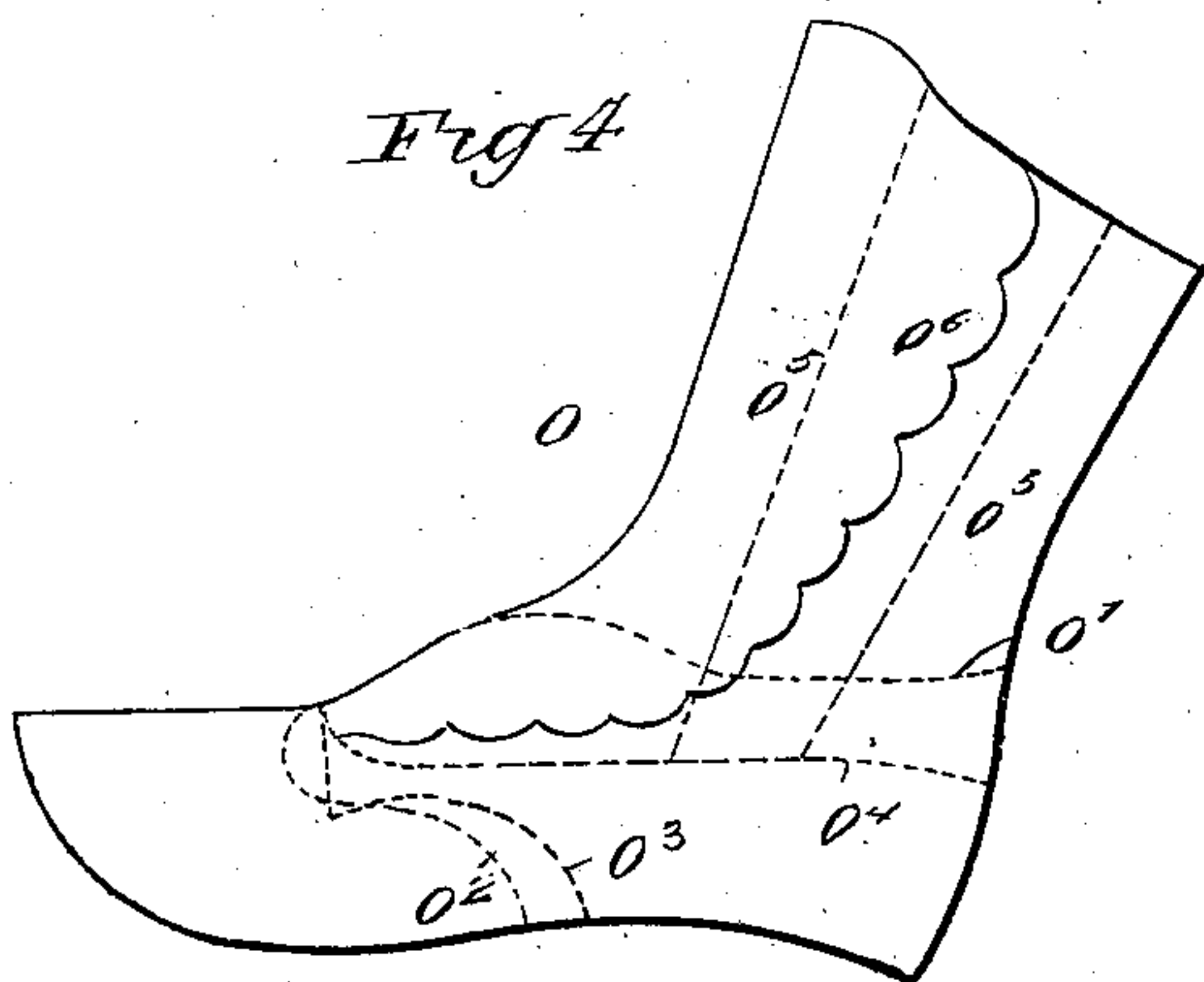
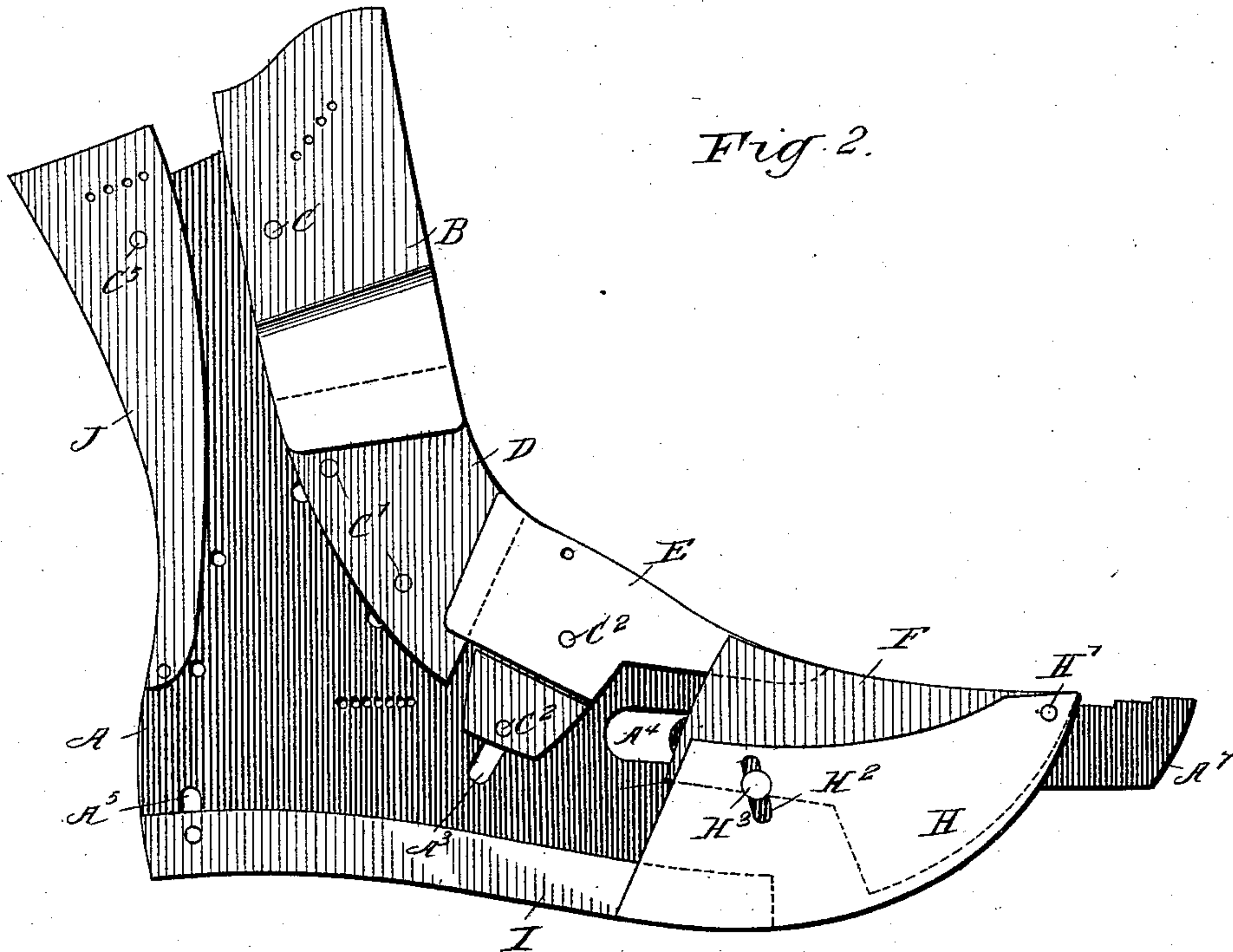
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ADJUSTABLE FOOT GEAR PATTERN.

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WITNESSES:

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Paul J. Hostet
Thos. J. Hostet, Jr.

INVENTOR

A. Ehrenreich

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UNITED STATES PATENT OFFICE.

ADOLF EHRENREICH, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
ADOLF METZNER, OF SAME PLACE.

ADJUSTABLE FOOT-GEAR PATTERN.

SPECIFICATION forming part of Letters Patent No. 534,210, dated February 12, 1895.

Application filed September 7, 1894. Serial No. 522,318. (No model.)

To all whom it may concern:

Be it known that I, ADOLF EHRENREICH, a subject of the King of Hungary, at present residing in New York, in the county of New York and State of New York, have invented a new and Improved Adjustable Foot-Gear Pattern, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved foot gear pattern which is comparatively simple and durable in construction, arranged to facilitate the cutting of the material for forming shoes, and readily adjustable for any size and style of shoe or other foot gear.

The invention consists principally of a main or foundation plate forming the outlines of the shoe patterns, and slides held adjustable on the said main plate and adapted to give outlines for various parts of the pattern.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

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

Figure 1 is a front view of the improvement. Fig. 2 is a rear view of the same. Fig. 3 is a front view of one of the slides. Fig. 4 is a front view of the pattern obtained.

The improved pattern is provided with a main or foundation plate A, having the outlines of a shoe pattern, as indicated in Fig. 1, and on the said main plate is held adjustably the front shank slide B, by means of bolts C, engaging angular slots A' formed in the plate A. The lower end of the slide B slightly overlaps the slide D having a curved front edge and provided with bolts C', fitted to slide in slots A² parallel to the slots A'. The lower end of this slide D is overlapped by the slide E, likewise hung on bolts C², both fitted to slide in angular slot A³ formed in the plate A. The front edge of this slide E serves to draw the instep of the shoe, and next to this line is the toe slide F provided with bolts C³, engaging the vamp plate G, held on top of the plate A, the said bolts extending through the slot A⁴ formed in the plate A,

so that the slide F is on the rear of the plate A, while the vamp plate G is on the front thereof, as is plainly shown in the drawings. The slot A⁴ extends longitudinally, so as to extend the toe plate F longitudinally, and the said slot is sufficiently wide to permit an up and down movement of the bolt C³, to extend the slide F in a like direction.

It will be seen that by adjusting the slides B, D, E, and F, the front top, the instep and the toe portion are readily formed, as the several slides overlap one another to form a continuous drawing line.

On the front end of the toe slide F is held a pivot H' on which is mounted to swing the slide H, which, in connection with the slide I, is adapted to form the bottom line for the pattern to be cut. The slide H extends on the rear face of the slide F and is provided with a segmental slot H² engaged by a rearwardly extending bolt H³, held in the slot F. See Fig. 2. By this arrangement the slide H has a limited movement but can be swung upward or downward on the slide F to form the front portion of the lower edge. The slide I is held on bolts C⁴ engaging vertically disposed slots A⁵ formed in the plate A, so that the slide can be moved up or down in conformity with the position of the slide H and according to the size of the shoe.

On the plate A, at the heel edge, is arranged a pivot J', on which is hung an upwardly extending slide J, carrying a bolt C⁵, engaging a segmental slot A⁶ in the plate A, to fasten the said slide to the plate after the latter is adjusted, it being understood that the outer edge of this slide is designed to give the back top line of the shoe.

The front edge of the plate A is formed with an extension A⁷, having a series of step-like graduations to indicate the length of the shoe, the said graduations being read in connection with the slide F. The several slides B, D, E and F, as well as the slide H, are provided with graduations indicating the various portions of the shoe and extending parallel to the edges of the foundation plate, so that the operator can readily set the said slides according to any desired size of shoe. See Fig. 3. In the plate A is formed an aperture K, and a similar aperture K' is formed in the slide

E, to indicate the top edge of a half shoe, or Oxford tie.

In order to indicate the cut for elastics in the sides of the shoe, I provide the plate A with apertures L, adapted to correspond with the size of the shoe, and similar apertures L' and L² are formed in the upper ends of the slides B and J, so that lines drawn from the said apertures L' and L² to the apertures L will indicate the cut and size of the elastic for a certain sized shoe. The plate A is also provided with graduations A³, to indicate lines for various styles of vamp.

By reference to Fig. 4 it will be seen that the material O cut by the pattern not only gives the outlines of the boot or shoe, but also gives the top edge O' for a half shoe, different styles of vamp lines O² and O³, the upper line O⁴, as well as the lines O⁵ for the elastic, together with the scalloped button flap O⁶.

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

1. A foot gear pattern, comprising a foundation plate, overlapping slides held adjustably on the said foundation plate and adapted to form the front edge of the back top, the instep and the toe portion of the shoe, a bottom slide held adjustably on the main plate and a slide pivoted on the toe slide with its lower edge adapted to register with the edge of said bottom slide, substantially as described.

2. A foot gear pattern, comprising a foundation plate, overlapping slides held adjustably on the said foundation plate and adapted

to form the front edge of the back top, the instep and the toe portion of the shoe, a bottom slide held adjustably on the main plate, a slide pivoted on the toe slide with its lower edge adapted to register with the edge of the bottom slide and a rear shank slide pivoted on the main plate, substantially as described.

3. In an adjustable pattern for shoes and the like, the combination of a foundation plate having a projecting toe portion, provided with step-like graduations of a toe slide adjustably mounted on said foundation plate with its extremity adapted to be moved along said graduated toe portion thereof and means for locking said slide in position when set, substantially as set forth.

4. In an adjustable pattern for shoes and the like, the combination of a foundation plate, having a projecting toe-portion provided with a slot extending at an acute angle to the upper side of said toe-portion, and a toe-slide having projections engaging said slot, substantially as set forth.

5. In an adjustable pattern for shoes and the like, the combination of a foundation-plate having its edges shaped to conform to the shape of the shoe to be cut, and a series of slides movably mounted on the foundation-plate and each provided with series of graduations extending parallel to the edge of the foundation-plate, substantially as set forth.

ADOLF EHRENREICH.

Witnesses:

THEO. G. HOSTER,
C. SEDGWICK.