

No. 827,447.

PATENTED JULY 31, 1906.

G. G. IBERG.
MEASURE FOR SHOES.
APPLICATION FILED MAR. 23, 1906.

2 SHEETS—SHEET 1.

Fig 1

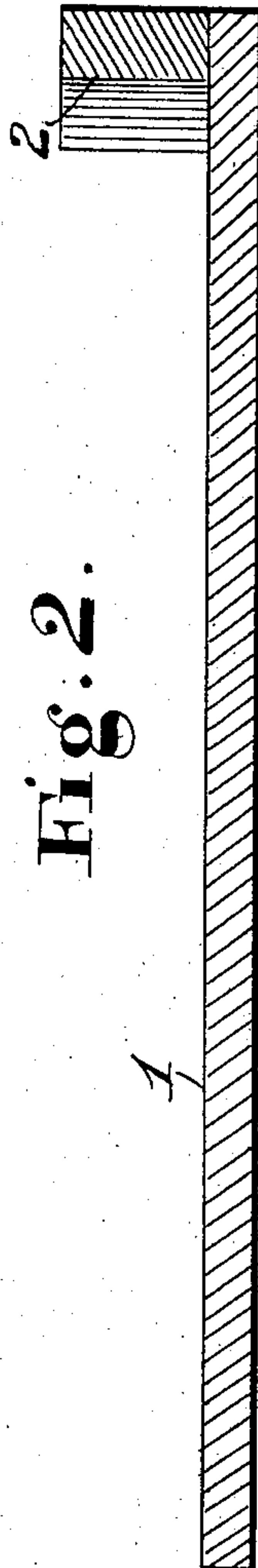
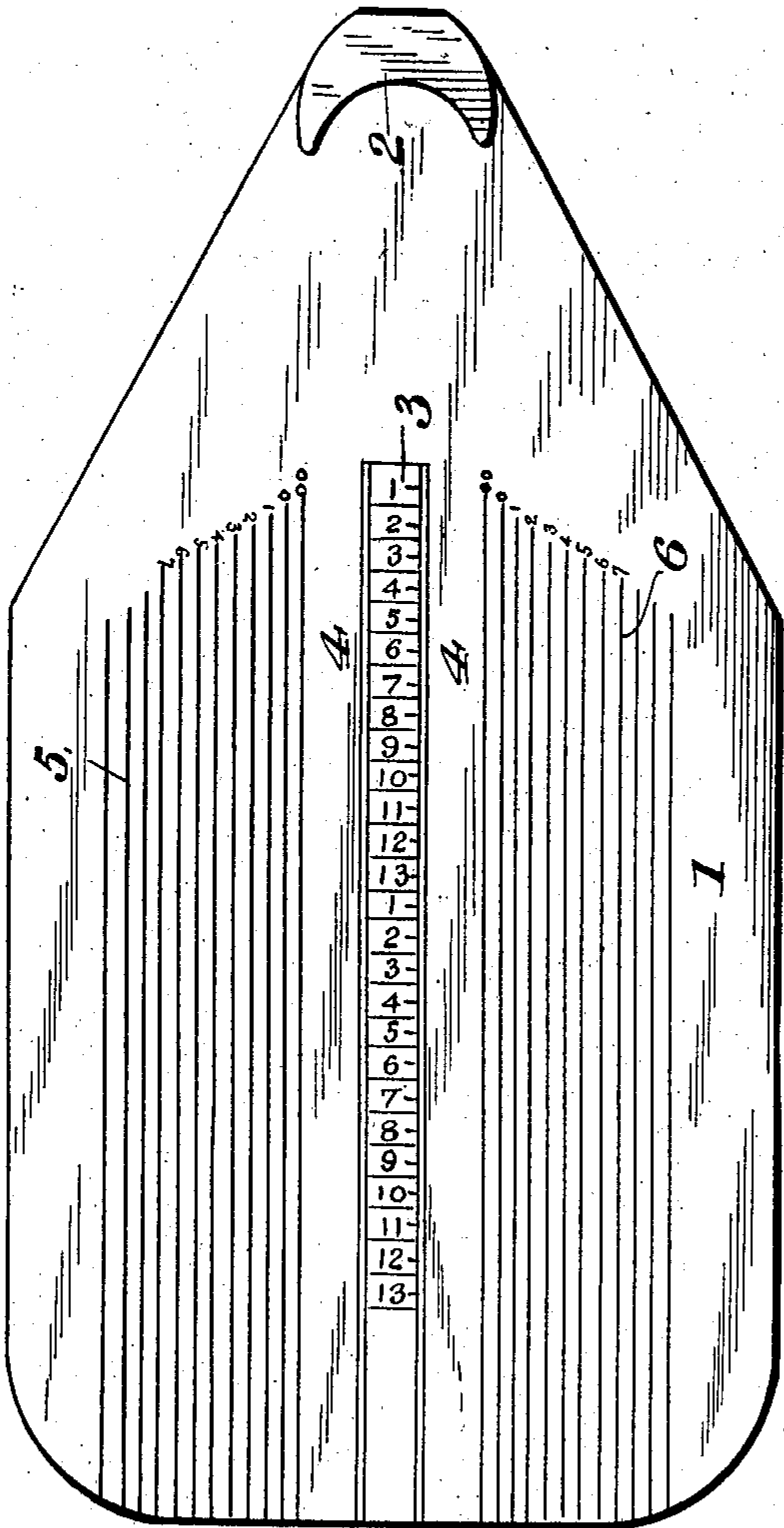


Fig. 2.

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2 SHEETS—SHEET 2.

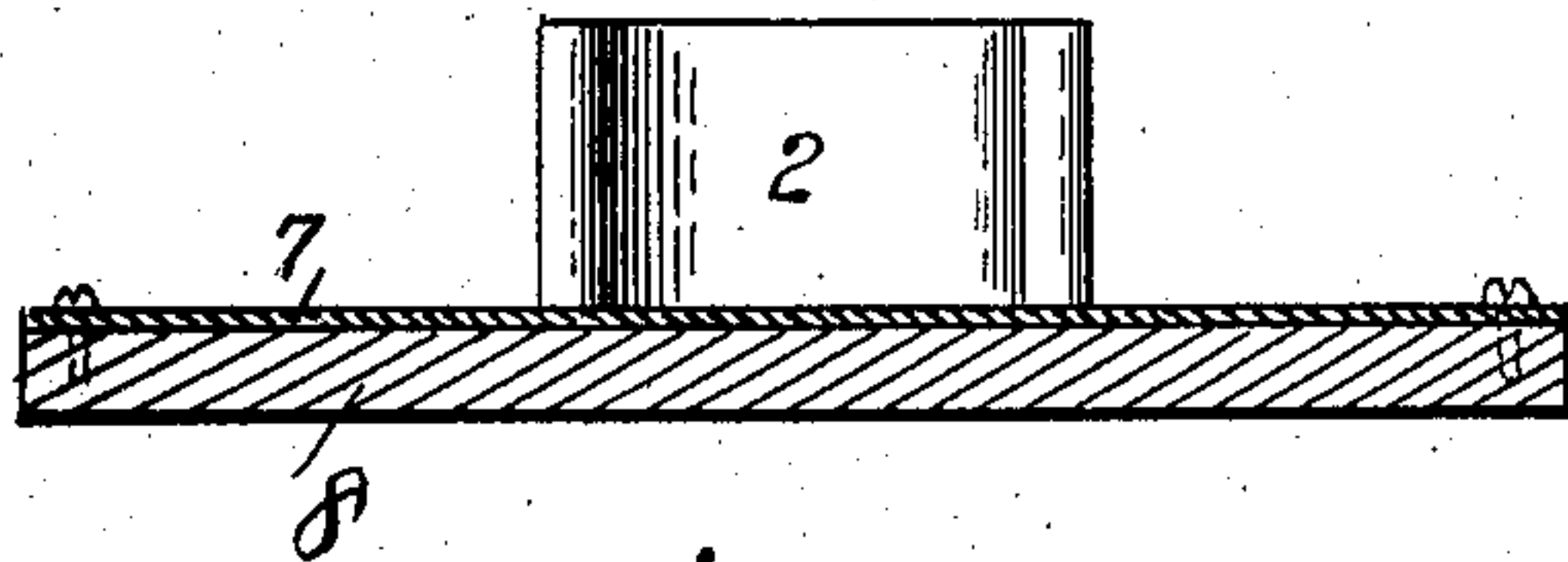


Fig. 5.

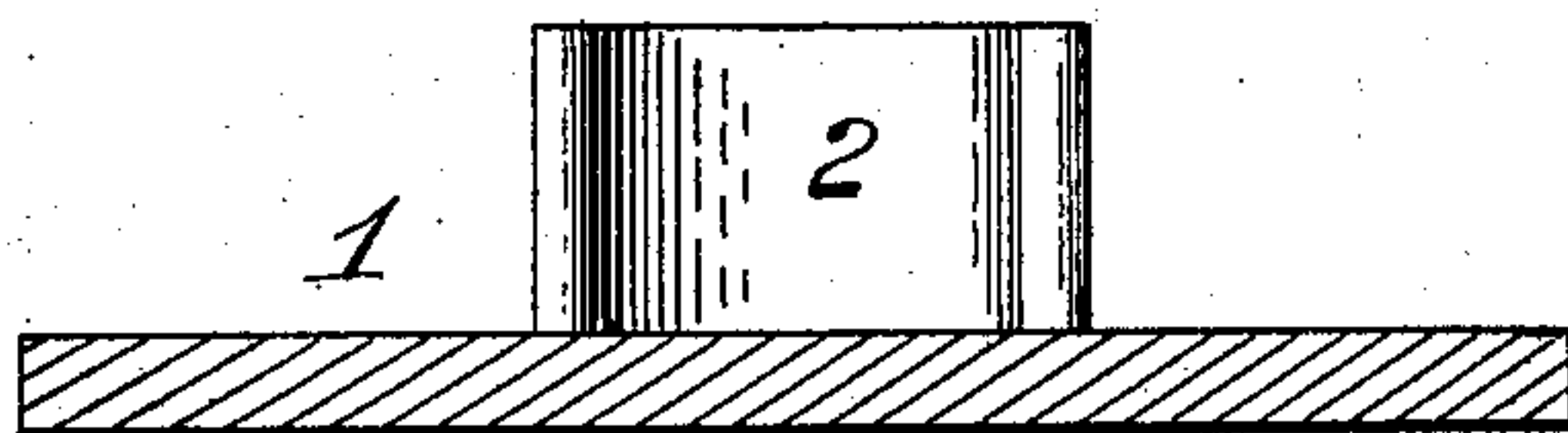


Fig. 4.

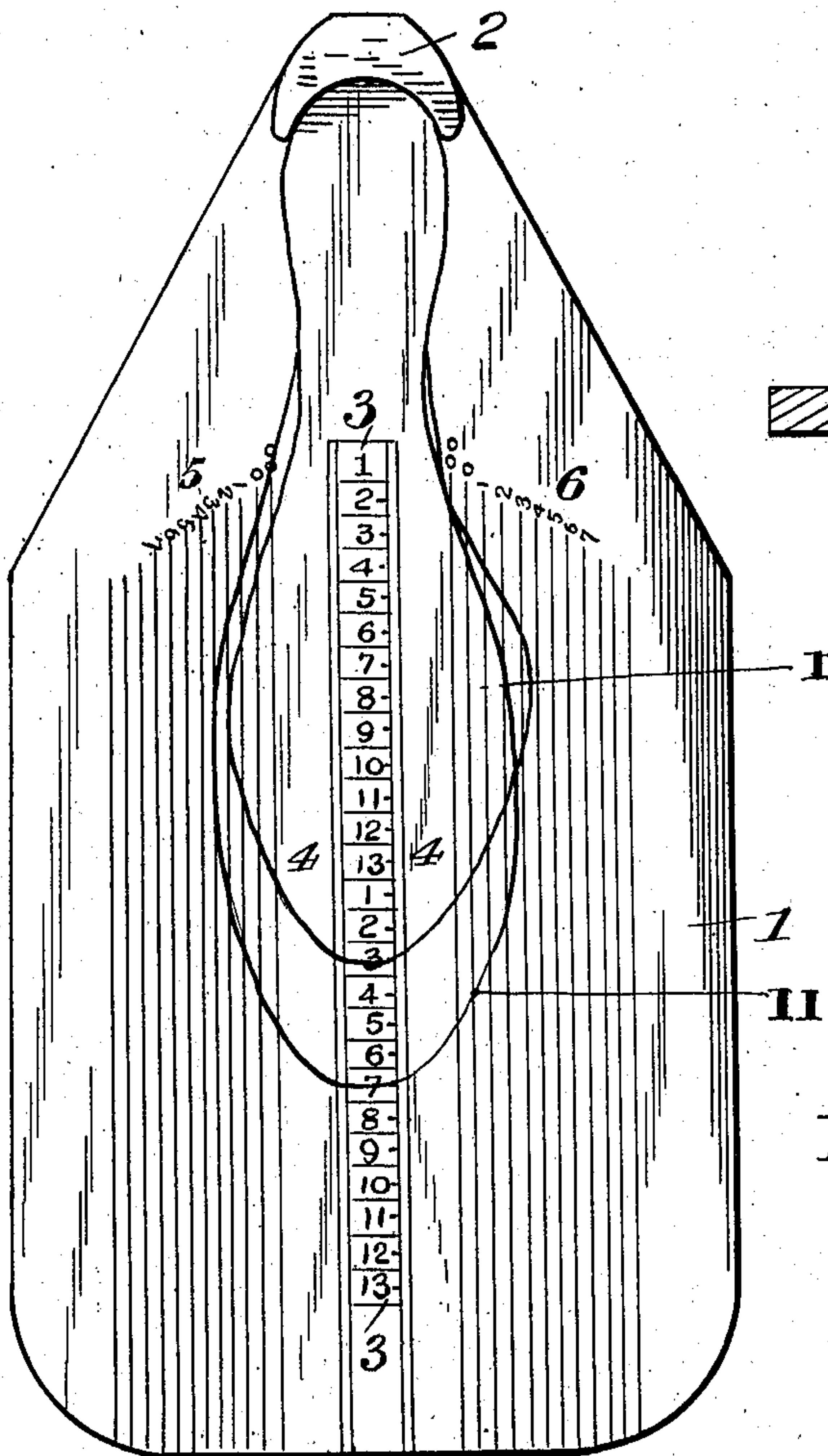


Fig. 3.

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UNITED STATES PATENT OFFICE.

GEORGE G. IBERG, OF ROCHESTER, MINNESOTA, ASSIGNOR OF ONE-HALF
TO GOTTLIEB J. IBERG, OF ROCHESTER, MINNESOTA.

MEASURE FOR SHOES.

No. 827,447.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed March 23, 1906. Serial No. 307,731.

To all whom it may concern:

Be it known that I, GEORGE G. IBERG, a citizen of the United States, residing at Rochester, in the county of Olmsted and State of Minnesota, have invented certain new and useful Improvements in Measures for Shoes, of which the following is a specification.

My invention relates to improvements in means or devices for ascertaining the correct fit of the shoe to the foot of the wearer. Its object is to provide for facilitating the fitting of shoes of the ready-made class or "store-shoes," and accordingly aiding the salesman in at once locating or securing the requisite sized or numbered shoe for the customer, and to effect these ends in a simple, easy, and ready manner.

Said invention consists of certain features substantially as hereinafter fully disclosed, and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a plan view thereof. Fig. 2 is a vertical section produced centrally through the device in the direction of its length. Fig. 3 is also a plan view of the invention, showing the penciled outlines or diagrams of different-sized feet produced thereon, each of which, presumably, it is designed to suitably fit with a shoe. Fig. 4 is a transverse section taken about centrally of the device. Fig. 5 is a modification thereof, showing the application to the upper surface of the base of a transparent sheet of material.

In carrying out my invention I provide a suitable base or piece 1, which may be of wood, aluminium, glass, or other suitable material, upon which to place the foot, preferably of the general outline disclosed in the plan view, and upon whose upper surface, at one end, (the tapered,) is suitably secured or fixed a short upright stop or rest 2, having its inner surface curved or concaved to conform to the heel. Also upon the upper surface of said base are produced in any suitable way certain indicia which are designed to have relation to different-sized shoes by the number thereof, as presently explained, and which indicia consist, primarily, of graduated spaces 3, laid off in inches and half-inches, arranged about in the longitudinal center of said base and of separate series or multiple of spaced-apart longitudinal lines 4, suitably

separated laterally each way from the afore-said data. The graduated or lined-off spaces 3 have, as indicated, marked or otherwise produced thereon two series of numerals or figures "1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13," the two series being arranged tandem fashion. The lines of each series have their initial ends preferably gradually receding from each other laterally toward the forward end of the base or board, and opposed to said ends of each of said series of lines are two series of numerals or indicia (designated as 5 and 6)—viz., "00, 0, 1, 2, 3, 4, 5, 6, 7." To each of said series of lines, beyond the outermost line, are supplied three additional lines, unnumbered or without designation. The distance from the heel rest or stop 2 to the numeral "1" of the graduations or rule (designated as 3) is four and one-eighth inches, that between the characters "00" and "00," arranged each way laterally of said rule or graduations 3, is one and seven-eighths inches, and that between each two of the numerous lines of the two series designated as 5 and 6 is three-sixteenths of an inch.

In the practical use of this device the customer or person places the foot upon the base 1, with the heel in contact with the rest or stop 2, when the salesman, with suitable marking material or pencil, produces the outline of the desired portion of the foot upon the upper surface of the base, confining the production of such outline to that part of said surface bearing said indicia. In ascertaining the shoe number or size, the foot having been removed from the base, the salesman notes laterally both ways the lines of said indicia nearest to or upon which the foot diagram or outline has thus been produced at the points indicating the greatest cross-section or width of said outline or diagram and makes a memorandum of the figures opposed to these lines. Adding the same together and dividing the result by two the exact width of the foot will be indicated. He (the salesman) next proceeds to add two to the figure or numeral of the graduations or rule 3 nearest to the point in the extreme length of the foot diagram or outline, reading the rule-graduations 3, with the heel-rest toward him.

As per example marked "I" in Fig. 1, which is for a lady's foot measurement, it will be seen that the extreme right of foot-diagram

crosses or is nearest to line "2" of one line series 5 and that the extreme left thereof crosses or is nearest to line "4" of the other line series 6. These line-numbers added together and the sum divided by two gives as a result three, which indicates the width required. The length is ascertained by reading upon the rule 3 and noting the graduations "3½" within said foot-diagram and adding thereto two, giving five and a half as such length. It will be understood that any shoe having the proper "swing" or tread to conform to the shape of the foot which measures five and a half in length and three in width (or C width) will furnish a correct fit for a foot of the indicated diagrammatic measurement.

As per example marked "II," which is for a man's foot measurement, it will be noted that the extreme right of foot diagram or outline crosses or is nearest to line "3" of the line series 5 and that the extreme left of said foot-diagram crosses or is nearest to line "3" of the line series 6. The adding of these figures "3," "3" together and dividing the sum thereof by two gives as a result three, which is the required width. Noting the extreme length registered by said diagram upon the rule 3, which is six and a half, and adding two thereto, the result is eight and a half, which is the length required. Thus any shoe of proper swing or tread and of a size eight and a half in length and three (or C) in width will fit the foot of which the diagram or outline has just been described with grace and comfort. In figuring widths the numbers are based upon the following bases as equivalents for letters used in shoe manufacture, namely:

AA: A: B: C: D: E: EE:
0 : 1: 2: 3: 4: 5: 6:

Exceptions to this rule are as follows: In measuring for a child's-shoe length add only one and a half to the figures of length of the rule. For ladies' and men's shoes it would not be safe to add less than two. In measuring for the width when the result of the two numbers added together and divided by two gives a fraction drop the fraction and supply an additional half to the length measurement.

In the modification as suggested by Fig. 5 it will be noted that a sheet of transparent material 7, as celluloid or other like substance, is superposed and suitably secured upon a base 8, and which transparent material has indicia of the like character exactly as that above described or disclosed, pressed or cut or molded thereinto into its under side or painted thereon upon its under side, and by means of which it is apparent that the same end as aforesaid may be carried out thereby.

I claim—

1. A device of the character described, having marked thereon in its longitudinal center, about, a series of graduations in

inches and fractions for taking the length measurement of the foot and laterally of the same parallel longitudinal lines, designated by numbers bearing a certain relation to and arranged relatively remote from said graduations and in connection with which may be produced the foot-outline and its lateral measurement.

2. A device of the character described, having certain graduations in inches and fractions for taking the length measurement of the foot occupying the longitudinal center, about thereof, a heel rest or stop in alignment therewith and spaced off therefrom, and series of numbered lines arranged laterally each way and relatively remote from said graduations and in connection with which may be produced the foot-line and its lateral measurement.

3. A device of the character described, having graduations of inches and fractions arranged in the longitudinal center thereof about, and having laterally of these, each way, series of numbered lines, and a sheet of material covering said indicia and adapted to permit of viewing said indicia therethrough and of the tracing thereon a diagram or outline into which may be read said indicia.

4. A device of the character described, having thereon in its longitudinal center, about, a series of graduations having as their unit inches, and having laterally of these, each way, series of numbered lines spaced off therefrom and from each other, a heel rest or stop suitably removed from the aforesaid indicia, and a transparent sheet covering said indicia and adapted to permit the producing of a diagram or outline thereon which may be read in connection with said indicia.

5. A device of the character described, comprising a flat-surfaced board or base having arranged, in its longitudinal center about, series of graduations whose unit is inches, and having marked thereon numbers from 1 to 13 inclusive in duplicate, and having laterally, each way from said graduations, series of spaced-apart parallel lines each series being removed a certain distance from said graduations, and each series having opposed thereto the numbers or characters "00, 0, 1, 2, 3, 4, 5, 6, 7," said board or base having fixed thereto at one end a heel rest or stop and applied thereto a transparent sheet effective for the production thereon of a diagram or outline readable in connection with said indicia, said indicia being read with said stop or rest toward the user of the device.

6. A device of the character described, comprising a base having produced thereon in its longitudinal center, about, a series of graduations in inches and fractions thereof for taking the length measurement of the foot and laterally of said graduations series of parallel longitudinal lines designated by numbers bearing a certain relation to and ar-

5 ranged relatively remote from said graduations and in connection with which may be produced the lateral foot measurement, said base having a surface adapted to permit of tracing or producing an outline or diagram thereon in connection with which may be read said indicia.

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

GEORGE G. IBERG.

Witnesses:

GEO. J. ALLEN,
FRONIA KOELSCH.