M. V. RUSH.

FOOT MEASURING DEVICE.

APPLICATION FILED APR. 16, 1914.

1,137,233. Patented Apr. 27, 1915.

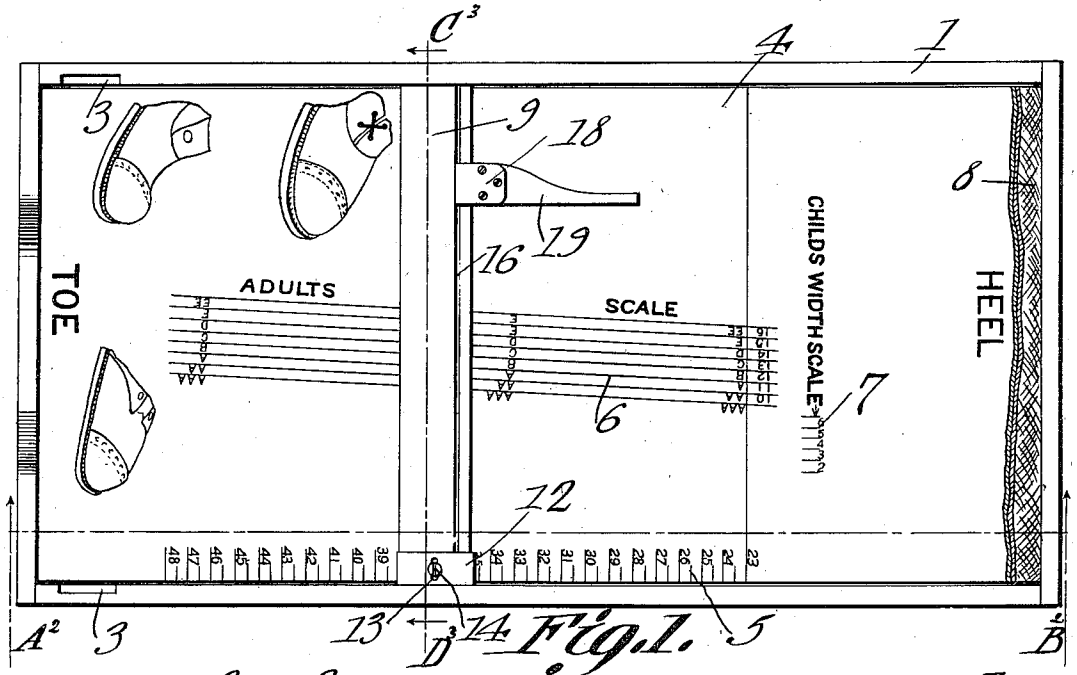


Fig. 1.

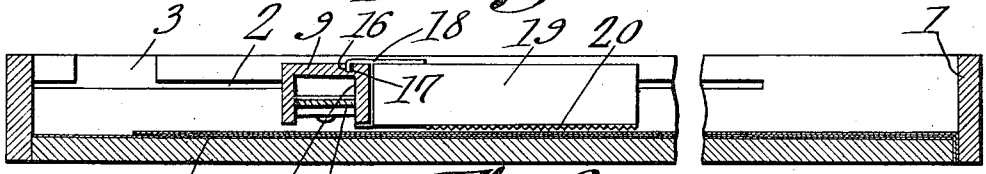


Fig. 2.

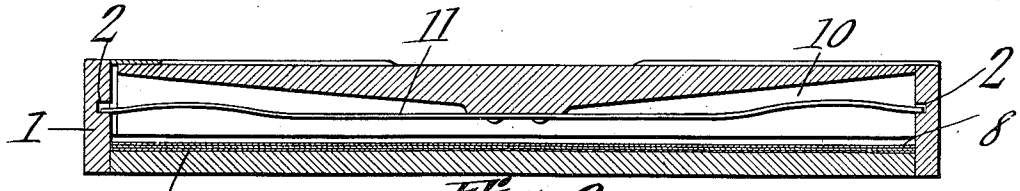


Fig. 3.

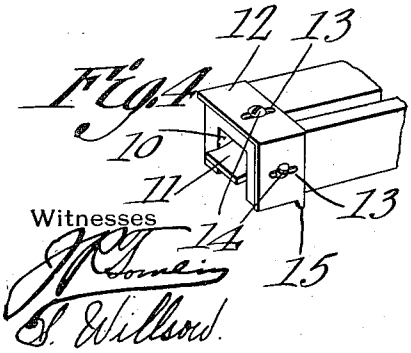


Fig. 4.

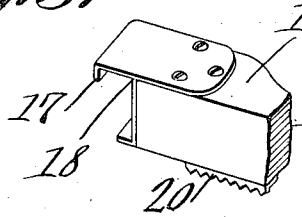


Fig. 5.

Witnesses

J. Connell

E. Willsord.

M. V. Rush

Inventor

by C. A. Snow & Co.

Attorneys

UNITED STATES PATENT OFFICE.

MARTIN V. RUSH, OF ANDERSON, INDIANA.

FOOT-MEASURING DEVICE.

1,137,233. Specification of Letters Patent. Patented Apr. 27, 1915.

Application filed April 16, 1914. Serial No. 832,353.

To all whom it may concern:

Be it known that I, MARTIN V. RUSH, a citizen of the United States, residing at Anderson, in the county of Madison and State of Indiana, have invented a new and useful Foot-Measuring Device, of which the following is a specification.

This invention relates to foot measuring devices whereby the size of the foot of a customer can be accurately determined and recorded upon a chart provided for that purpose, it being possible, by retaining the chart, to ascertain readily and at all times the size of shoe worn by a customer so that it thus becomes unnecessary to present a measurement each time a purchase is made.

A further object is to provide a foot measuring device which is simple and compact in construction and can be readily manipulated.

A further object is to provide a chart for use in connection with the device and which chart can be used as an advertising sheet on which various styles of shoes can be shown, thus enabling the customer to make a selection of the style of shoe to be worn without actually inspecting the shoes.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is a plan view of the device, the carbon or marking sheet being broken away. Fig. 2 is a central vertical longitudinal section through the device, said section being taken on the line A^2—B^2 Fig. 1. Fig. 3 is a section on line C^3—D^3 Fig. 1. Fig. 4 is a perspective view of one end portion of the cross bar. Fig. 5 is a perspective view of one end portion of the slidable block.

Referring to the figures by characters of reference, 1 designates a box having longitudinal grooves 2 in the inner faces of the sides thereof, each of these grooves being provided, adjacent one end of the box, with an extension 3 extending to the top edge of the box. The bottom of the box constitutes a support for a chart 4 of paper or the like and this chart is provided, along one longitudinal edge, with a series of graduations 5 suitably designated to indicate length sizes. Lines 6 are printed or otherwise indicated on the chart and are provided with suitable characters for designating width sizes. An additional series of graduations shown at 7 and provided with suitable designating characters, is utilized for indicating the width of children's shoes. One end of the chart has the word "Heel" printed or otherwise indicated thereon while the word "Toe" appears upon the other end portion of the chart. Furthermore adjacent one end portion of the chart can be printed the pictures of shoes or portions thereof and showing different styles which may be selected by the customer. This chart 4 is removably mounted in the box and secured to one end of the box is a marking sheet 8 preferably consisting of fabric having a coating of carbon upon the lower face thereof. When the fabric is stretched over the chart 4, the carbon upon the marking sheet will lie next to the chart. The said marking sheet can be easily withdrawn from the box so as to give ready access to the chart.

A cross bar 9 is interposed between the sides of the box 1 and is provided, in its bottom face, with a longitudinal channel 10 which increases in depth from its center to its ends. Secured within the channel 10 at the middle or shallow portion thereof is a spring strip 11 the ends of which project beyond the ends of the bar 9 and are adapted to slide within the grooves 2. This spring serves to hold the bar 9 normally elevated out of contact with the marking sheet 8. An angular plate 12 is mounted upon one end portion of the bar 9 and has transverse slots 13 for the reception of fastening screws 14. This plate 12 can be adjusted longitudinally of the bar 9 so as to increase the length of the bar 9 should it not fit close enough to the sides of the box 1. The said plate 12 has a depending stud 15 adapted, when the bar 9 is moved back and forth within the box, to travel along the series of graduations 5. Formed within the upper face of the bar 9 and extending from one end to the other thereof is a groove 16 and this groove is

adapted to receive a lip 17 extending downwardly from an angular bracket 18. This bracket is adapted to straddle the adjacent side of the bar 9 and to extend a short distance thereunder. A block 19 is secured to the bracket and has one side thereof extended at right angles from the bar 9. Depending from said side is a series of teeth 20 normally supported out of contact with the marking sheet 8. By pushing the bar 9 against the toe end of the box 1, the same can be lifted out of the box for the reason that the ends of the spring 11 can slide upwardly through the groove extensions 3.

When it is desired to take the measurement of a foot, a chart such as shown at 4 is placed upon the bottom of the box and is then covered with the marking sheet 8. The foot of the customer is then placed in the box, the heel being placed against the end of the box designated by the word "Heel" on the chart, while the side of the foot is placed against that side of the box along which the graduations 5 are located. Bar 9 is then adjusted within the box until it comes against the toe after which the block 19 is adjusted laterally until it comes against the side of the foot. Bar 9 is then pressed downwardly and the stud 15 and the teeth 20 will bear simultaneously upon the marking sheet 8, thus forcing the carbon surface of the sheet against the chart. As soon as the bar 9 is relieved of pressure, the spring 11 will be raised to its initial position after which the said bar can be moved back to one end of the box, the marking sheet 8 lifted off of the chart, and the chart removed. On this chart will be found a dot adjacent one of the graduations 5 and which is produced by the stud 15 while a row of dots will be formed along the chart adjacent the scale 6, this row of dots being produced by the teeth 20.

This chart will accurately indicate the size of the foot and by checking the preferred style of shoe to be worn, the chart can be preserved for future reference so that a customer can thus order by mail whenever desiring to purchase shoes.

It is to be understood of course that a number of charts 4 can be placed within the box, the same being disposed one upon the other.

What is claimed is:—

1. A foot marking device including a foot receiving box, a chart therein, a marking sheet adapted to extend over the chart, yieldingly supported means adjustable within the box and against the foot, adjustable means supported by and extending at an angle from the first named means and movable against the foot, one of said means being adapted to indicate width and the other one of said means being adapted to indicate length, and projecting portions carried by the respective means, said means being simultaneously depressible to force the projecting portions against the marking sheet.

2. A foot measuring device including a foot receiving box having guide grooves in the sides thereof, a cross bar, a spring extending from the bar and into each of the grooves to yieldably support the bar, a block slidable longitudinally of the bar and adjustable against one side of a foot in the box, said bar being adjustable against one end of the foot, and means carried by the bar and block for pressing the marking sheet against the chart during the depression of the bar.

3. A foot marking device including a foot receiving box, a chart therein, a marking sheet adapted to extend over the chart, there being longitudinal grooves in the sides of the box, a bar, yieldable supporting means extending beyond the ends of the bar and slidable within the grooves, said bar and means being detachably connected to the box, an extension device adjustably mounted upon one end portion of the bar, a marking device carried thereby, a block slidable longitudinally of the bar and adjustable against one side of the foot in the box, and a plurality of marking devices depending from the block, all of said marking devices being adapted simultaneously to press the marking device upon the chart during the depression of the bar.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

MARTIN V. RUSH.

Witnesses:
JACK BRUNT, Jr.,
AMY L. FAIRLESS.