V. A. BREY

FOOTPRINTING OR IMPRESSION DEVICE

Filed June 30, 1923

INVENTOR
VICTOR A. BREY
BY HIS ATTORNEY

James F. Williamson
5 of Minnesota, have invented certain new and useful Improvements in Footprinting.

To all whom it may concern:

Be it known that I, Victor A. Brey, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Footprinting or Impression Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to foot imprinting devices by which an impression graph of the foot may be left on a sheet of paper having a graduated table thereon. Such a device is useful not only to fit the subject with the proper sized shoe but also to provide him with the proper appliances for correcting any abnormalities which may be observed from the study of the impression graph of the foot made on the graduated sheet. Such appliances are now commonly used, such as arch supporters, toe pads, heel pads, etc.

It is a main object of this invention to provide such a device of this kind preferably in the form of a booklet which will be light, compact and adapted to fit a proper sized envelope and be of special service in taking mail orders.

Other more specific objects of the invention will be made clear from the following description and specification:

To these ends my invention consists of novel devices and combinations of devices herein described and set forth in the claims.

The invention is illustrated in the accompanying drawings wherein like notations refer to similar parts throughout the several views and in which,

Fig. 1 is a plan view of the preferred form of my invention with the booklet in open position; one portion of the device being turned over to show the underside thereof.

Fig. 2 is a side elevation of my device with the heel tab upturned and the movable position of some parts being shown in dotted lines; and

Fig. 3 is a plan view of one of the graduated sheets detached with the impression of a human foot indicated by dotted lines.

In the preferred form of my invention a suitable folding cover 4 is provided having attached preferably to the right-hand inner side a stub tablet 5 of the perforated detachable sheet type. The detachable sheets indicated by the numeral 6 have tables thereon graduated to measure the size of a foot impression graph. The stub ends 7 left when the graduated sheets are detached are preferably ruled for identification matter to be written thereon. The tablet 5 may be attached to the cover in any suitable manner but is preferably secured thereto by wire staples 8 which also pass through the folded end of a swingable impression panel 9 securing the latter to the other named parts. This panel 9 overlies the top of said tablet 5 and is directly aligned therewith and comprises a frame 90 of cardboard or other thickened material having an elongated rectangular opening therein and a flexible transfer sheet 96 which may be of fabric or carbon paper construction and which is mounted on top of said frame and over the opening therein whereby it is held by the thickness of the same at a slight distance away from the top sheet of the tablet 5 when the panel is in operative position. As clearly shown in Fig. 2, the staples 8 bind all of said parts 5, 6 and 9 together. The carbon paper or transfer material used is a standard heavy carbon paper having its carbon side thinly coated with glycerine or other non-volatile oil to render the same moist and somewhat sticky. A folding heel tab 10 is fastened to the lower end of the frame 90 on the outer size thereof preferably extending integrally with the bottom thereof and which projects into the opening in said frame is adapted when upturned to act as a proper alignment for the heel of a foot impressed upon the panel. The tab 10 projects through the sheet 96 of transfer material, said sheet being slitted for this purpose.

The operation of my preferred form is probably obvious from the foregoing description but may be briefly summarized as follows:

A person receiving the impression booklet through the mail will open the folder, read the directions and turn up the heel tab 10 and then stand with the foot upon the impression panel 9. The carbon paper used is of a sticky nature and a graph is made on the graduated sheet by the pressure caused by the person's weight. This panel will then be swung to the dotted position shown in Fig. 2 and the graph sheet 6 may be then

Patented June 30, 1925.
torn from the booklet and the operation repeated for the other foot. The identification made may be then written on the stub 7 by the customer or may be put on later by the dealer and the booklet may be then inserted in an envelope and remailed to the dealer.

While the device above described is the preferred form of the invention, another form comprises merely graduated sheets as in Fig. 3 in tablet form or otherwise which are chemically treated to produce foot impressions when the foot is moistened and placed thereon. A sheet treated with a composition of fish glue and nitrate of silver is one that can be used, as disclosed in Patent 1,341,846, granted May 25th, 1920 to Glen A. Smiley. Such sheets or tablets may also be sent through the mail and will have the same usefulness as the above described booklet form.

From the above description it is apparent that the applicant has provided an extremely simple and highly efficient device for measuring the graphing the feet and one which may be advantageously used in taking mail orders. Irregularities and abnormalities in the feet such as fallen or high arches, bunions, etc., may be observed from the careful study of the impression graph returned to the dealer and proper appliances as well as properly fitting shoes may be supplied by the use and reference of this simple device.

It will, of course, be understood that various changes may be made in the form, details and arrangement of the parts without departing from the scope of the invention.

What is claimed is:

1. A device for obtaining an impression of a foot comprising a comparatively thin pad of sheets having graduated tables printed thereon and a top leaf formed as an open frame having a transfer sheet mounted thereon, said leaf also comprising a heel locating member whereby the foot can be placed upon said top leaf and pressed against the same to form an impression on the top sheet of said pad.

2. A device for obtaining an impression of a foot comprising a comparatively thin pad of sheets having graduated tables printed thereon, a top member of sheet material secured to one end of said pad and having an elongated opening therein extending longitudinally thereof, a sheet of transfer material mounted on the upper side of said top member, said member having a tab projecting from the bottom of said opening through said sheet of transfer material and adapted to form a heel gauge whereby the foot may be placed upon said sheet of transfer material and an impression made upon the top sheet of said pad, the sheets of said pad being detachable.

3. The structure set forth in claim 2, and a cover for said device secured along one edge of said pad and adapted to overlie said top member.

In testimony whereof I affix my signature.

VICTOR A. BREY.