

H. E. FRY.
ADJUSTABLE HEEL FOR FOOTWEAR.
APPLICATION FILED APR. 20, 1911.

1,020,138.

Patented Mar. 12, 1912.

Fig. 1.

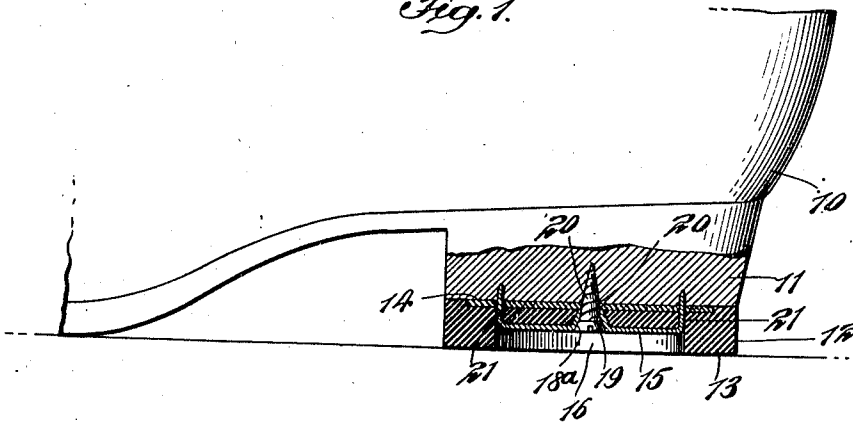


Fig. 2.

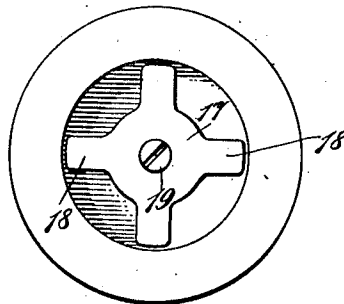
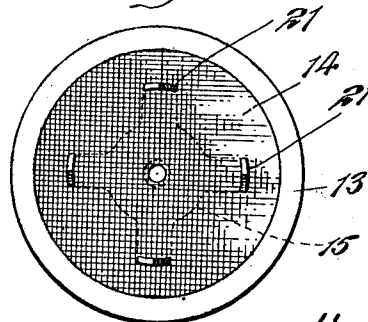


Fig. 3.



WITNESSES:
Julius Krutz
L. L. Mayer

INVENTOR
Harry E. Fry
BY
Oriswell C. Ginnell
ATTORNEY

UNITED STATES PATENT OFFICE.

HARRY E. FRY, OF NEW YORK, N. Y.

ADJUSTABLE HEEL FOR FOOTWEAR.

1,020,138.

Specification of Letters Patent.

Patented Mar. 12, 1912.

Application filed April 20, 1911. Serial No. 622,321.

To all whom it may concern:

Be it known that I, HARRY E. FRY, a citizen of the United States, and a resident of New York, county and State of New York, have invented certain new and useful Improvements in Adjustable Heels for Footwear, of which the following is a full, clear, and exact description.

This invention relates more particularly to adjustable heels or devices which may be readily applied to shoes or boots and which may be held against movement when once adjusted.

One of the principal objects of the invention is to provide a simple and efficient device of rubber or other material which may be held to the heel of a shoe or similar article in such a way that it may be adjusted to allow the device to be moved just the distance wanted or required as it wears, and at the same time provide simple means whereby the device may be permanently held in its adjusted position in order to insure a firm footing, thus overcoming many of the objections to devices of this kind as ordinarily constructed.

Another object of the invention is to provide a simple and efficient fastening device for the heel or device by which the device may be rotated or shifted any desired distance in case of wear and by said means tightened and held against further movement until it is again adjusted.

A further object of the invention is to provide a simple device which is so constructed that the device and the fastening means will not pull apart, and to provide a device which may be readily applied by the purchaser.

With these and other objects in view, the invention will be hereinafter more particularly described with reference to the accompanying drawings, which form a part of this specification, and will then be pointed out in the claims at the end of the description.

In the drawings, Figure 1 is a fragmentary elevation, partly in section, of a shoe showing one form of my invention applied thereto. Fig. 2 is an inverted detail plan view of the heel or device detached from the shoe; and Fig. 3 is a plan view looking at the reverse side to Fig. 1, showing the means for holding the heel to permit adjustment, and at the same time hold the heel against movement after being once adjusted.

While I shall show and describe the invention as applied to a shoe, it will be understood that the invention can be applied to other forms of foot wear and that the term shoe where used is intended to be broad enough to include such articles.

The shoe 10 is provided with the usual heel 11 of any desired height, and adapted to be fastened to the heel 11 is a detachable heel or device 12. This device 12 may be circular or of any other desired form and may be made of rubber or other suitable material. As shown the device has the body portion 13 and vulcanized or otherwise formed as a part thereof is a fabric 14 which is embedded within the device, said fabric serving better to hold the parts together and to prevent the fastening means from pulling out or readily separating as might otherwise be the case.

A fastening device 15 of metal is adapted to be arranged within a recess 16 on the wearing face of the device. The wearing face of the heel may be roughened or otherwise made to prevent slipping. The fastening device 15 has a body portion 17 from which project arms 18 and central of said device is a depressed portion 18^a forming an aperture and a seat for the head 19 of a screw 20. The screw 20 is adapted to engage the heel 11 of the shoe and serves as a pivot whereby the heel or device 12 may be moved or adjusted the required distance in case of wear. Each of the arms 18 has an angular part 21 which is suitably sharpened and is adapted to be forced through the body of the device 12 and to enter the heel 11 of the shoe when the said device 12 is held in its proper position and the screw 20 is forced home. The number of arms and the number of fastening parts 21 may vary and the purpose of these parts is to permit the heel to be quickly adjusted by releasing the screw so that the wear will occur just where it is wanted and to the extent it is wanted, and that the heel when thus held will insure a firm footing which is not the case with heels constructed to rotate or move freely upon a pivot as has been proposed.

From the foregoing, it will be seen that a simple and efficient device is provided as a detachable heel which may be readily attached to the heel of a shoe or other article; that simple and efficient fastening means is provided for the device whereby said de-

vice may be readily adjusted and held against rotation in such adjusted position; and that said device is simple in construction and may be readily applied to the shoe or other article by the purchaser.

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

10 1. A heel, a detachable wearing portion, with sharpened parts projecting through said wearing portion and entering the heel and a screw passing through the element and serving as a means for adjustably holding
15 the wearing portion to the heel.

20 2. A heel, a rubber wearing portion, provided with a fabric portion, a fastening element having a body provided with a depressed part forming a central opening and arms projecting through said wearing portion and entering the heel and a screw passing through the central opening and serving as a means for adjustably holding the

wearing portion to the heel and as a pivot to permit adjustment thereof.

25 3. An adjustable heel having its body formed of rubber with a fabric portion forming a part thereof and having a substantially central recess on the wearing face thereof, a fastening element having a body
30 portion provided with a central depressed part and with arms having angularly formed ends adapted to pass through the body of the heel and to enter the heel of the article to which the adjustable heel is fastened,
35 and a screw seated in the depressed central portion of the fastening element and adapted to engage the heel of the article to which the adjustable heel is secured and to serve
40 as a pivot for said adjustable heel.

This specification signed and witnessed this 19th day of April A. D. 1911.

HARRY E. FRY.

Witnesses:

W. A. TOWNER, Jr.,
L. I. MAYER.