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T. MIGITA

LACING MEANS FOR BROGUES, LEGGINGS, AND THE LIKE

Filed Feb. 6, 1922

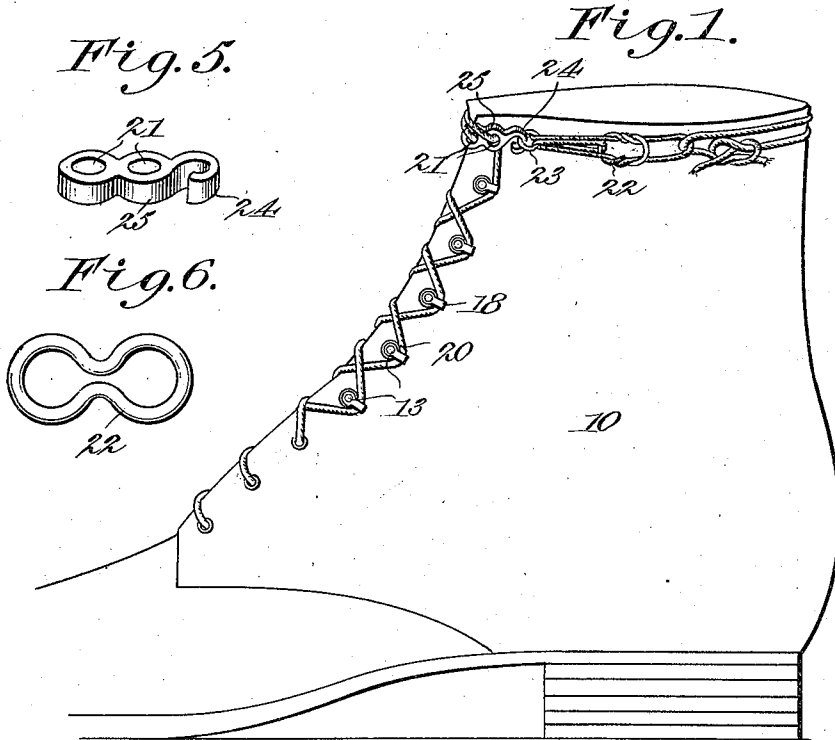


Fig. 5.

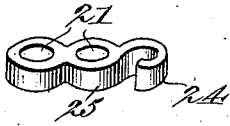


Fig. 6.

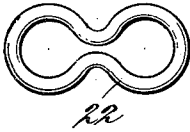


Fig. 2.

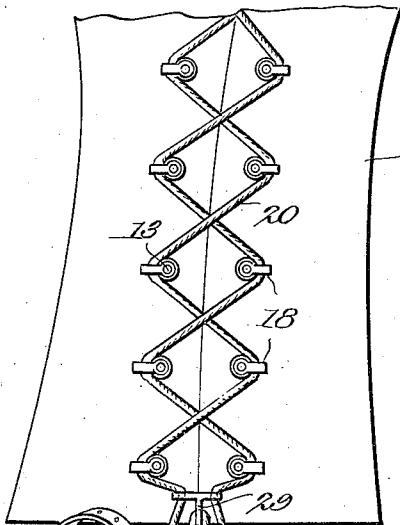


Fig. 3.

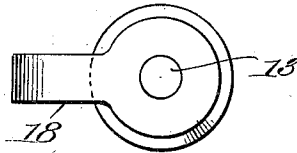
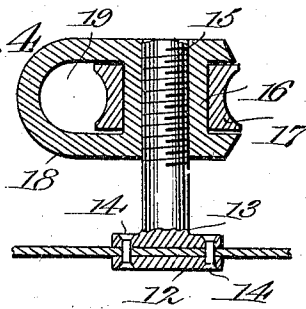


Fig. 4.



WITNESS: Fred W. Ely

Tosuke Migita  
INVENTOR  
BY Victor J. Evans  
ATTORNEY

# UNITED STATES PATENT OFFICE.

TOSUKE MIGITA, OF NEW YORK, N. Y.

LACING MEANS FOR BROGUES, LEGGINGS, AND THE LIKE.

Application filed February 6, 1922. Serial No. 534,521.

*To all whom it may concern:*

Be it known that TOSUKE MIGITA, a citizen of Japan, residing at New York city, in the county of New York and State of New York, has invented new and useful Improvements in Lacing Means for Brogues, Leggings, and the like, of which the following is a specification:

This invention relates to lacing means for brogues, leggings and the like, and the principal object is to produce a device of this nature which shall be simple of construction, cheap to manufacture, and highly efficient for the purpose for which it is designed.

Another object is to provide improved and simplified means for adjusting the length of the lace.

Another object is to provide an improved catch.

With these and other objects in view, the invention resides in certain novel construction and combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:—

Figure 1 is a side elevation of a portion of a shoe provided with my improved lacing means.

Figure 2 is a side elevation of a legging provided with the lacing means.

Figure 3 is an enlarged plan view of one of the lace holders.

Figure 4 is a vertical sectional view of the same.

Figure 5 is a detail view of the catch, and

Figure 6 is a detail view of the device for regulating the length of the lace.

Referring to the drawing in detail, 10 represents a shoe and 11 represents a legging and near the aperture of the same, where the hooks are usually placed there are a plurality of lace receiving devices each of which is constructed as follows. A head 12 and bolt 13 are riveted together as shown at 14 with the leather or fabric sandwiched between the two. Bolt 13 is provided with screw threads at 15 which receive a collar or sleeve 16 upon which is mounted a roller 17. Also secured to the bolt 13 is a curved member 18 between which and the roller 17 there is provided a circular way 19 which re-

ceives the lace of the shoe or other article, the lace being indicated at 20. The lace may be threaded through the various apertures 19 in any usual manner as shown in the drawing and at the top the two strands of the lace pass through apertures 21 and their ends are secured together by a knot or any other suitable means. Secured in the lace near the knot is a slide member 22 and at the loop of the lace there is placed a ring 23, the lace being threaded back and forth through the members 22 and 23 so that by sliding member 22 along the lace, the same will be shortened or lengthened to meet the demands of the situation. The ring 23 is adapted to hook over a hook element 24 on the member 25 which has the holes 21.

It will be seen that in this manner I have produced a simple and efficient lacing means which will facilitate the lacing of the shoe or other article and which will not readily wear the lace out as in the case of hooks.

With the legging I prefer to provide a strap 26 at one side of the legging which passes under the instep and is caught in a buckle 27 carrying a pair of rollers 28. A T-shaped member 29 has an aperture in each of its legs and the lace 20 is threaded through these apertures and about the rollers 28, in the manner shown in the drawing.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied without in any way departing from the spirit of my invention, and I therefore do not limit myself to the exact details of construction herein set forth nor to anything less than the whole of my invention limited only by the appended claims.

What is claimed as new is:—

1. In a shoe having a plurality of lace guiding elements, a member provided with a pair of apertures and a hook portion, a lace passing through said guiding elements and having the free ends passed through the apertures in said member, a ring connected with the free ends of said lace, and means connecting said lace with said hook portion for varying the length of said lace.

2. In a device of the class described, the combination with a shoe, a plurality of eyelets each comprising a stud, the head of which is secured to the shoe, a sleeve threaded on said stud, a roller carried by said

sleeve, a lace passed over said rollers, and means for adjusting the length of said lace.

3. In a device of the class described, the combination with lace guiding elements of a  
5 lace receiving and securing element comprising a single member formed with a plurality of apertures and with a hook, and

means secured on said lace for co-operation with said hook as and for the purpose set forth.

In testimony whereof I have affixed my signature.

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TOSUKE MIGITA.