W. CARRICO.

ARTIFICIAL FOOT.

APPLICATION FILED OCT. 25, 1916.

1,219,374. Patented Mar. 13, 1917.

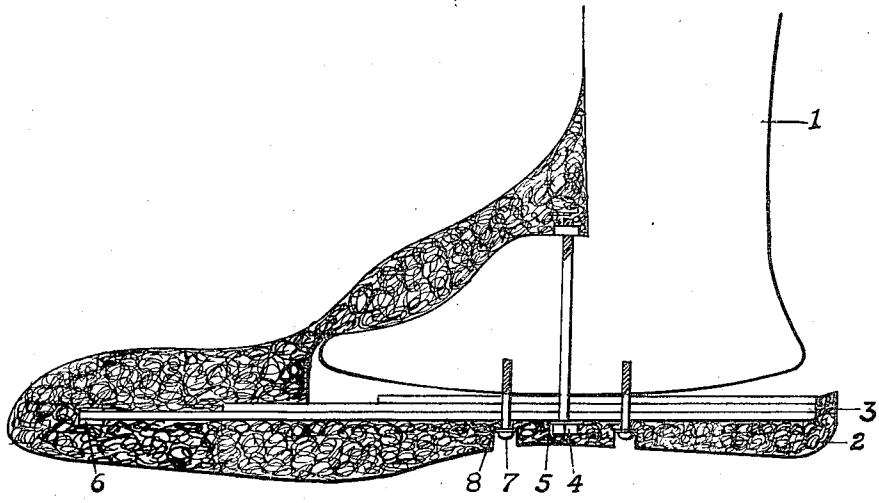

Fig. 1.

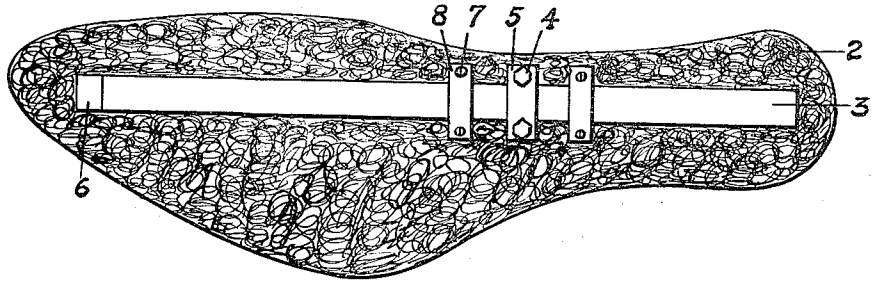

Fig. 2

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ARTIFICIAL FOOT.

1,219,374. Specification of Letters Patent. Patented Mar. 13, 1917.

Application filed October 25, 1916. Serial No. 127,621.

To all whom it may concern:

Be it known that I, WALTER CARRICO, a citizen of the United States, residing in Luxemburg, St. Louis county, State of Missouri, have invented a new and useful Artificial Foot, of which the following is a specification.

My invention relates to artificial feet. The object of my invention is to provide an artificial foot that will be comfortable to the wearer and to enable such afflicted persons to walk without canes or crutches. By the use of a wood upper part and a hard wool felt lower part or the foot itself, in which is embedded a metallic spring, the wearer finds the angle joint unnecessary. To prevent wearing out and for appearance the whole is so shaped that an ordinary shoe will fit over it snugly.

I attain these objects by the device illustrated in the accompanying drawing: in which—

Figure 1 is a side elevation showing the wool felt, wood upper part, and the metallic spring with proper fastening bolts. Fig. 2 is a bottom view showing the wool felt, metallic spring, and the method of fastening the metallic spring and wool felt.

In Fig. 1, 1 is the wood part; 2 the wool felt; 3 the metallic spring, which can consist of one or more leaves depending upon the party to use it, three leaves being shown; 4 an ordinary bolt with metal plate 5 passing under spring 3; 6 two metal plates one above and one below spring 3 to keep said spring 3 from wearing out the wool felt 2; 7 four small wood screws passing through metallic plate 8 and sunk into felt 2 to keep said felt 2 tight to wood 1. In Fig. 2 the figures refer to the same parts as Fig. 1 and also shows more clearly the method of fastening together. The wood is preferably made of willow because of its lightness. The wool felt is preferably of hard felt. The springs are preferably made of steel.

As a person walks forward wood part 1 presses down on 3 forcing the forward part of 3 up against 6 due to bolt 4 and to the fact that the lower part of 1 is a convex surface. In continuing the step forward 1 rocks around until the toe part compresses 3, causing the heel part of 1 to rise as a person's foot would when walking. The amount 3 would move up and down in heel and toe depends upon the weight of the party and whether the step is long or short. The number and strength of the leaves in spring 3 also depend upon this.

I claim:

1. As an improved article of manufacture, an artificial foot having a light, durable, and shape retaining upper part, convex on the bottom, directly to said bottom of which is fastened a flat metallic spring of one or more leaves substantially as shown and described.

2. An improved article of manufacture, an artificial foot having a wood upper part convex on the bottom, to said bottom of which is directly fastened a flat metallic spring of one or more leaves and said spring resting on hard wool felt substantially as shown and described.

WALTER CARRICO.