F. J. GLEASON.

HEEL FASTENER.

APPLICATION FILED OCT. 20, 1919.

1,369,922. Patented Mar. 1, 1921.

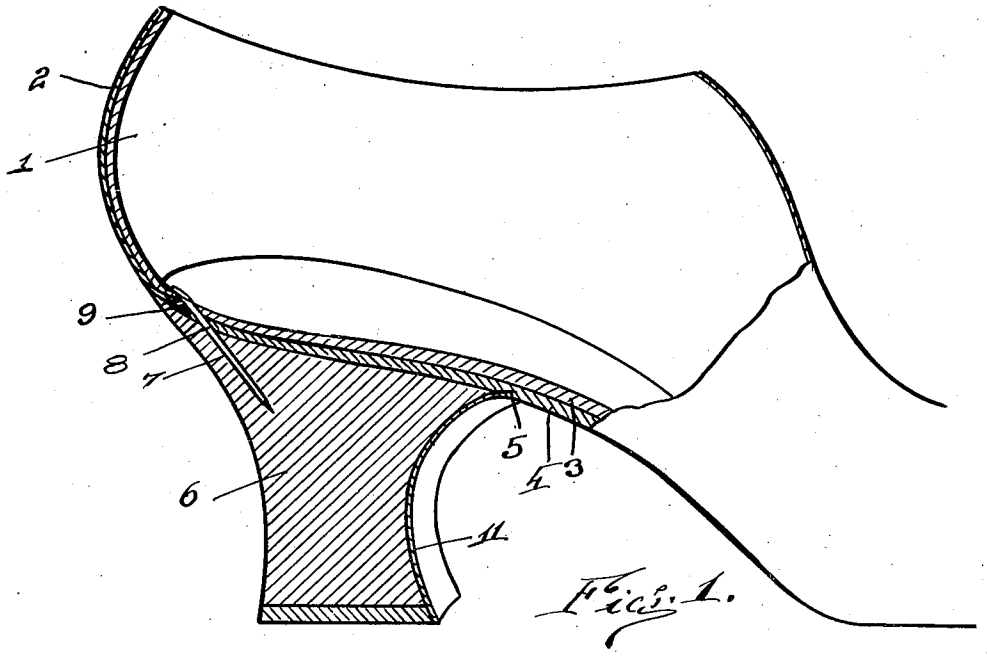

Fig. 1.

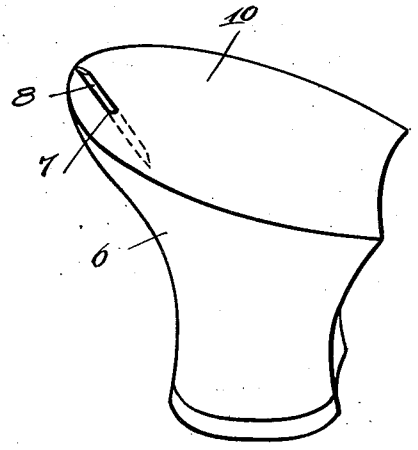

Fig. 2.

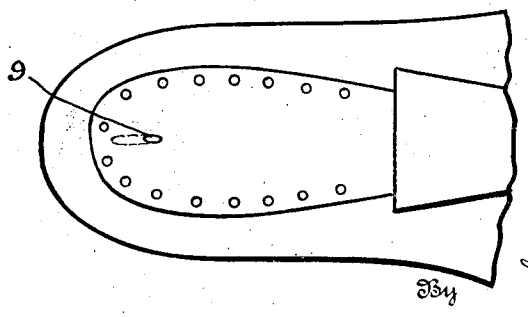

Fig. 3.

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UNITED STATES PATENT OFFICE.

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HEEL-FASTENER.

1,369,922. Specification of Letters Patent. Patented Mar. 1, 1921.

Application filed October 20, 1919. Serial No. 332,076.

To all whom it may concern:

Be it known that I, FRANK J. GLEASON, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Heel-Fasteners, of which the following is a specification.

The object of this invention is to provide a new and improved form of heel fastener, more especially for wooden heels.

This and other objects of the invention will be fully illustrated in the drawings, described in the specification and pointed out in the claims at the end thereof.

In the drawings:

Figure 1 is a longitudinal section of the shoe showing the heel connected to the body of the shoe with the fastener in position.

Fig. 2 is a perspective view of the heel with the fastener inserted therein.

Fig. 3 is a bottom plan view of the rear portion of the shoe showing the seat for the heel.

In the drawings, like reference numerals indicate like parts.

In the drawings, reference numeral 1 indicates the shoe having the upper 2, the insole 3 and the outsole 4. This outsole is split as indicated at 5, the upper portion being attached to the insole and the lower portion being turned down so that it can be attached to and used to cover the throat of the heel. The heel 6 is made of wood and the upper part thereof is shaped to fit in the seat of the shoe. In the rear of the heel is drilled an inclined hole 7 in which may be driven a metal nail or pin or fastening device 8, which slopes rearwardly and upwardly. The insole and outsole are perforated with an awl as indicated at 9 and the heel is then set in position in the seat provided therefor with the fastening means 8 projecting through the hole 9. The fastening device is so placed at the rear of the heel and soles so that the top of it will be at the back end of the soles and so that it will have the best leverage in holding the heel in position. The heel is otherwise fastened in position by gluing the seat to the top 10 of the heel, the parts having been previously coated with glue or cement for this purpose. The turned-down portion 11 of the outsole is then glued to the throat of the heel and nails are driven through the soles into the top of the heel. The top of the fastening device 8 may be bent down to conceal it and remove it from contact with the heel of the person who is wearing the shoe. The sides and bottom of the heel 6 may then be finished otherwise in any suitable manner.

In this manner, a simple, yet very strong and effective, fastening device is provided for heels, more especially the wooden heels of ladies' shoes.

I claim:

1. A heel fastener comprising a straight pin pointed at both ends, said pin passing through the insole, outsole and heel, said pin being inclined upwardly and rearwardly and being located at the back of the heel, said pin being located close to the rear of the heel and upper and mechanically fastening the rear end of the heel to the rear of the insole.

2. A heel fastener comprising a pin passing through the insole, outsole and heel, said pin being inclined upwardly and rearwardly and being located at the back of the heel, said pin being substantially straight and pointed at both ends.

In testimony whereof I affix my signature.

FRANK J. GLEASON.