

(No Model.)

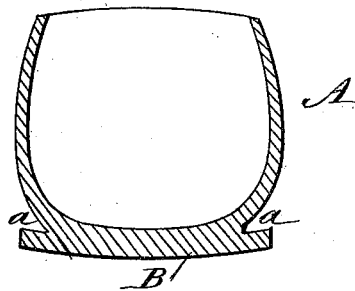
W. P. HYATT.

FELT FOOT WEAR.

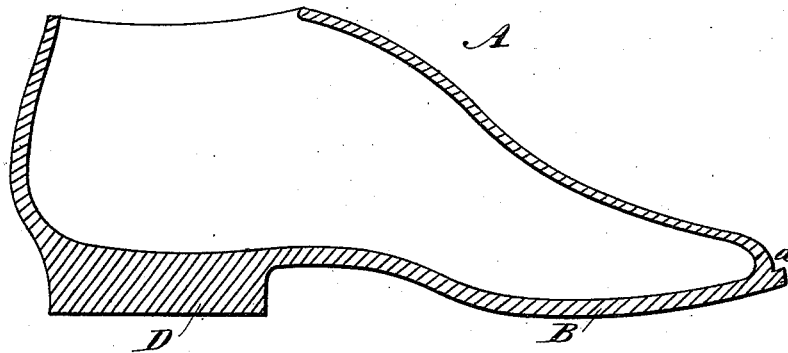
No. 347,110.

Patented Aug. 10, 1886.

*Fig. 1*



*Fig. 2*



WITNESSES:

*C. Neveux*  
*C. Sedgwick*

INVENTOR:

*W. P. Hyatt*

BY

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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

WALTER P. HYATT, OF MATTEAWAN, NEW YORK, ASSIGNOR TO THE NEW YORK FELTING COMPANY.

## FELT FOOT-WEAR.

SPECIFICATION forming part of Letters Patent No. 347,110, dated August 10, 1886.

Application filed July 11, 1885. Serial No. 171,400. (No model.)

*To all whom it may concern:*

Be it known that I, WALTER P. HYATT, of Matteawan, in the county of Dutchess and State of New York, have invented a certain new and useful Improvement in Felt Boots, Shoes, Slippers, &c., of which the following is a full, clear, and exact description.

The object of my invention is to provide new and improved felt boots, shoes, and slippers which are provided with soles or soles and heels firmly united by felting with the boots, shoes, &c., and made integral with the same, and which felt boots, shoes, &c., are comfortable, light, and durable, composed of wool, hair, fur, or other material possessing felting properties.

The invention consists in a felt article of foot-wear upon which a sole has been felted.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a cross-sectional elevation of a shoe of my improved construction. Fig. 2 is a longitudinal sectional elevation of the same.

The shoe A has a felt upper, which is made out of a bat or formed upon a cone, and which may be seamless. Against the underside of said upper I place a bat in a condition favorable for hardening, which bat forms the sole, or, if desired, the sole and heel in the resultant article. In the hardening the upper and sole are so relatively adjusted by means of clamps, cores, or sheets of non-felting material as to prevent the sole-bat from attaching to the upper except where desired. By this means the sole, when trimmed, shall present the effect of a distinctive sole, but be integral in the resultant article with the upper.

The shoe is hardened, and the sole B is firmly united by the hardening or felting process with the under side of the upper. The shoe and its sole are then pushed, and subsequently milled in the usual manner.

For the purpose of forming a heel integral with the remaining portion of the article of foot-

wear any one of three processes may be employed: First, a blank may be cut from a partially-hardened bat of wool and attached by felting to the sole, or to that portion of the upper passing under the foot in case the slipper has no sole proper; second, by increasing the thickness of the sole-bat at the heel, and then uniting by hardening; or, third, by allowing increased material at the heel end of the sole-bat, and then in the lasting or blocking form a hollow heel, which can subsequently be filled with some rigid material. In the first two methods the heel is necessarily of solid felt. In the third it may be of composite material.

The sole and heel are not sewed or glued to the upper, but united by the felting process only. The edges of the sole may project beyond the sides and front of the upper, or may be trimmed close to the upper. The soles can be made any desired thickness, as can also the heels.

The heel may be felted to the counter at the same time that the sole is felted to the shoe.

I am aware that a felt shoe having a thickened sole is not new; but

What I claim as new and of my invention is—

1. A seamless felt article of foot-wear provided with an integral felt sole and felt heel.

2. A felt article of foot-wear consisting of a felt upper and a clearly-defined projecting felt sole.

3. A felt article of foot-wear provided with a felt sole, the edges of which project beyond the line of junction of sole and upper.

4. A felt article of foot-wear provided with an integral heel, substantially as shown and described.

5. An article of foot-wear provided with an upper and a clearly-defined projecting sole and heel.

WALTER P. HYATT.

Witnesses:

OSCAR F. GUNZ,  
EDGAR TATE.