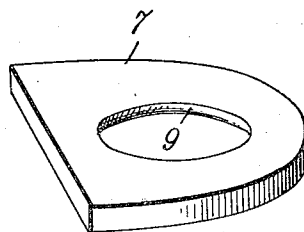
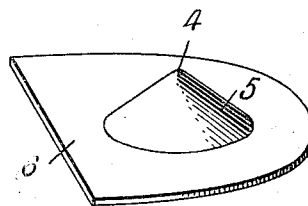
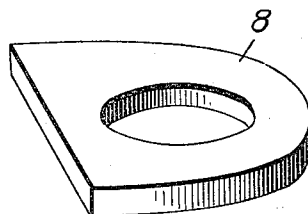
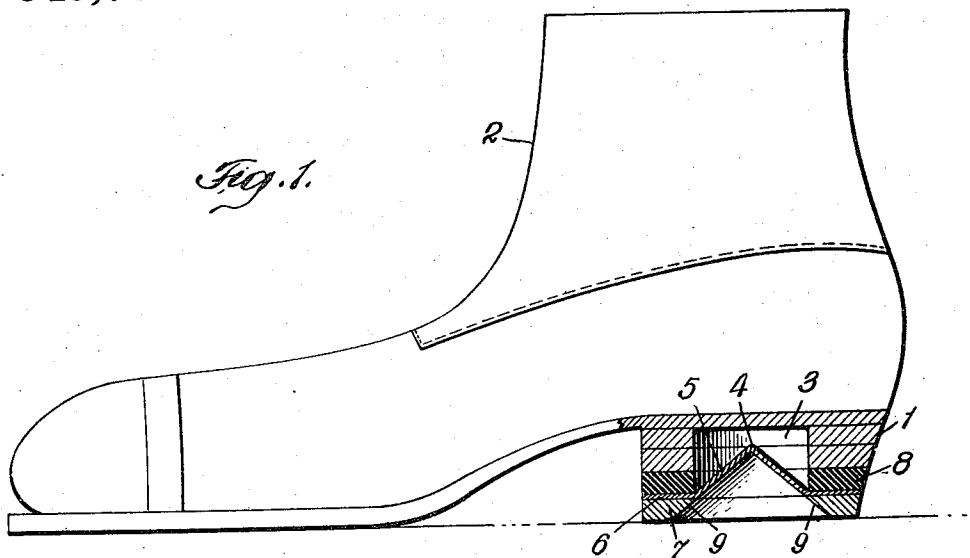


J. S. BUSKY.
PNEUMATIC HEEL FOR BOOTS AND SHOES.
APPLICATION FILED NOV. 24, 1909.

949,754.

Patented Feb. 22, 1910.



WITNESSES:

Julius W. Smith
G. V. Whymar

INVENTOR

John S. Busky

BY

M. J. Ciswell
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN S. BUSKY, OF NEW YORK, N. Y.

PNEUMATIC HEEL FOR BOOTS AND SHOES.

949,754.

Specification of Letters Patent.

Patented Feb. 22, 1910.

Application filed November 24, 1909. Serial No. 529,771.

To all whom it may concern:

Be it known that I, JOHN S. BUSKY, a citizen of the United States, residing at New York, county and State of New York, have
5 invented certain new and useful Improvements in Pneumatic Heels for Boots and Shoes, of which the following is a full, clear, and exact specification.

This invention relates to a pneumatic heel
10 for boots and shoes which is adapted to give wearer an elastic tread upon the ground avoiding all shocks caused by uneven ground and to prevent all danger of slipping on snow-covered or icy pavements.

15 The object of this invention is to provide a shoe-heel of simple and inexpensive construction that may be worn without discomfort and by the use of which uneven wearing or running over of the heels is
20 effectively prevented.

To these ends the invention consists of a heel for boots and shoes as an article of manufacture and of the combination of parts therein, as hereinafter described and
25 more particularly pointed out in the claims at the end of this specification and illustrated in the accompanying drawings, in which:

Figure 1 is a side view of a shoe with
30 the heel constructed according to the present invention in section. Fig. 2 is a detail view of a rubber heel-piece, Fig. 3 a detached view of a conical metal body, and Fig. 4
35 a detail view of the leather tread-piece of a heel as they are used in connection with the heel according to the present invention.

The heel 1 of the customary boot or shoe
2 of any desired shape or form and of any suitable material is provided with a recess
40 or opening 3 in its middle part into which the top 4 of a flanged, hollow metal cone 5, open at its base, is extending, leaving a suitable space between said top and the upper wall of said recess. This body 5 of alumi-
45 num or any other suitable metal or material, is resting with the underside of its base flange 6 upon the tread-piece 7 of the heel to which it is fastened in the usual well known manner by nails, pitched thread etc.
50 Upon the upper side of the base-flange 6 is resting an elastic ring 8 of rubber or similar suitable material conveniently fastened thereto and to the customary heel-pieces of the boot or shoe. By this arrange-
55 ment the weight of the wearer resting upon the heel will create a pneumatic effect in

compressing the air in the recess surround-
ing the top of the metal cone, said recess
being closed at the bottom by the elastic
rubber ring 8. Thus the wearer of the shoe
60 will touch the ground with an elastic tread, greatly adding to his personal comfort, avoiding all shocks caused by uneven ground or by encountering obstacles in his path and preventing any harmful strain or shock to
65 his system.

The width of the central opening in the
leather tread-piece 7 corresponds exactly
with the width of the cone-base and its edges
9, being beveled, will easily permit snow or
70 ice accumulating on the heel to fall out thus avoiding all discomfort experienced by wet or half-frozen snow, ice etc. accumulating upon the tread-surface of the heel and effect-
75 ively preventing slipping and bodily injuries to the wearer caused thereby.

Changes may be made in the shapes and
proportions of the parts forming the im-
proved pneumatic heel without departing
from the scope of the present invention as
80 described and laid down in the claims, therefore I do not wish to be limited to the particular form of heel herein described and shown, but

What I do claim and desire to secure by
85 Letters Patent of the United States is—

1. As an article of manufacture a pneu-
matic heel for boots and shoes of the charac-
ter described, comprising a hollow, flanged
conical body open at its base, a recess
90 in the heel body adapted to receive the top of said cone, an air space surrounding said cone, an elastic heel-piece resting upon the flange of said cone and a tread-piece connected to its underside, substantially as de-
95 scribed and for the purposes set forth.

2. As an article of manufacture a pneu-
matic heel for boots and shoes of the charac-
ter described, comprising a hollow, flanged
conical metal body open at its base, a recess
100 in the heel body adapted to receive the top of said cone, an air space formed by said recess and surrounding the top of said cone, an elastic rubber heel-piece resting upon the flange of said cone closing said air space at
105 the bottom, and a leather tread-piece connected to its underside, substantially as described and for the purposes set forth.

3. As an article of manufacture a pneu-
matic heel for boots and shoes of the charac-
110 ter described comprising a hollow, flanged conical body open at its base, a recess in the

heel body adapted to receive the top of said cone, an air space surrounding said cone, an elastic heel piece resting upon the flange of said cone and a tread-piece connected to its underside, said tread-piece having an opening in its center corresponding in width to the opening at the base of the hollow cone and being provided with beveled edges, substantially as described and for the purposes set forth.

4. As an article of manufacture a pneumatic heel for boots and shoes of the character described, comprising a hollow, flanged conical metal body open at its base, a recess in the heel body adapted to receive the top of said cone, an air space formed by said

recess and surrounding the top of said cone, an elastic rubber heel-piece surrounding the mantle of said cone, closing said air space at the bottom, and a leather tread-piece connected to the underside of said cone-flange and having an opening in its center corresponding in width to the opening in the base of the hollow cone and being provided with beveled edges, substantially as described and for the purposes set forth.

This specification signed and witnessed this 22nd day of November A. D. 1909.

JOHN S. BUSKY.

Witnesses:

H. E. HAYNES,
HARRY SWEET.