

No. 858,976.

PATENTED JULY 2, 1907.

E. GUILMAN.

HEEL.

APPLICATION FILED MAY 9, 1906.

Fig. 1

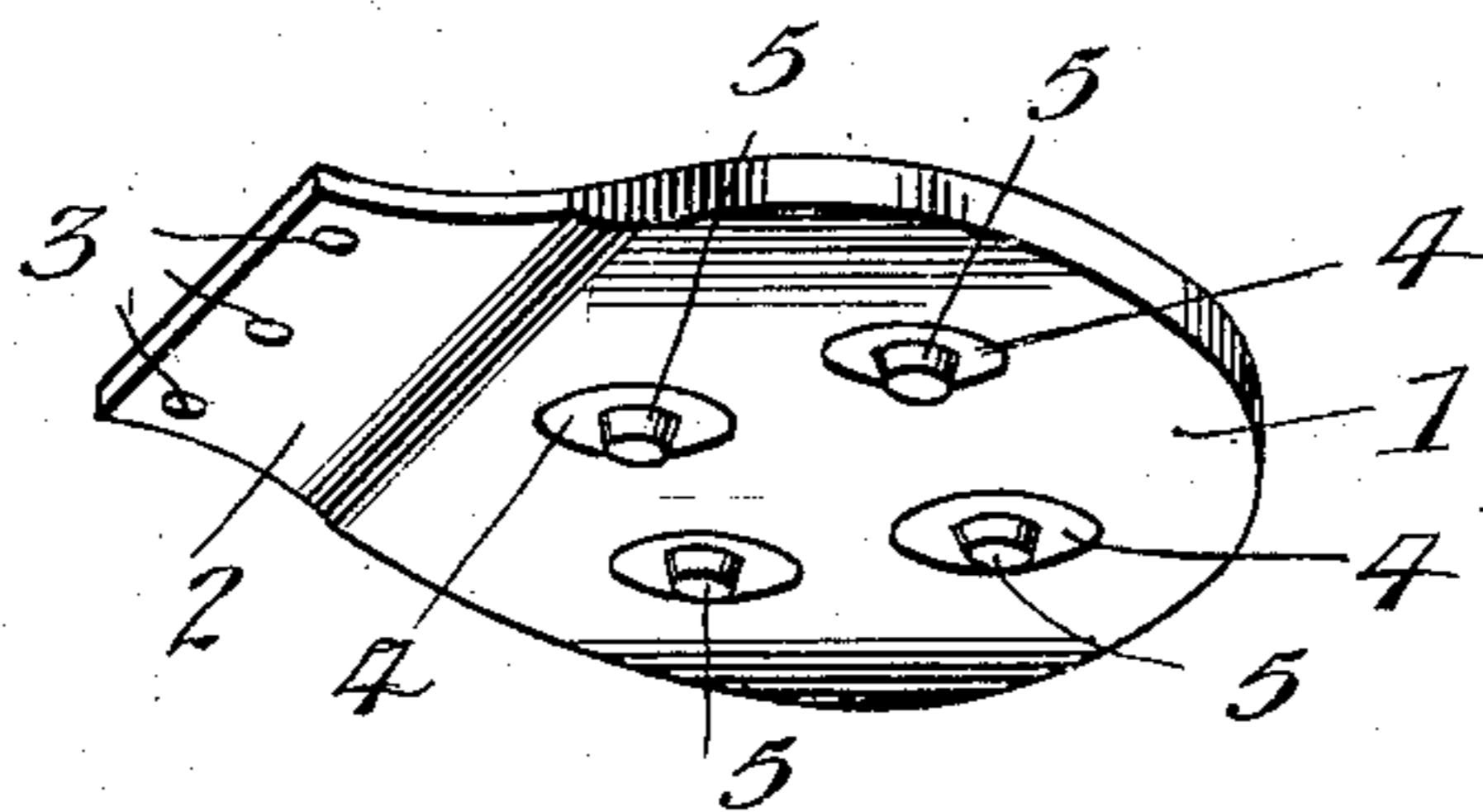


Fig. 2.

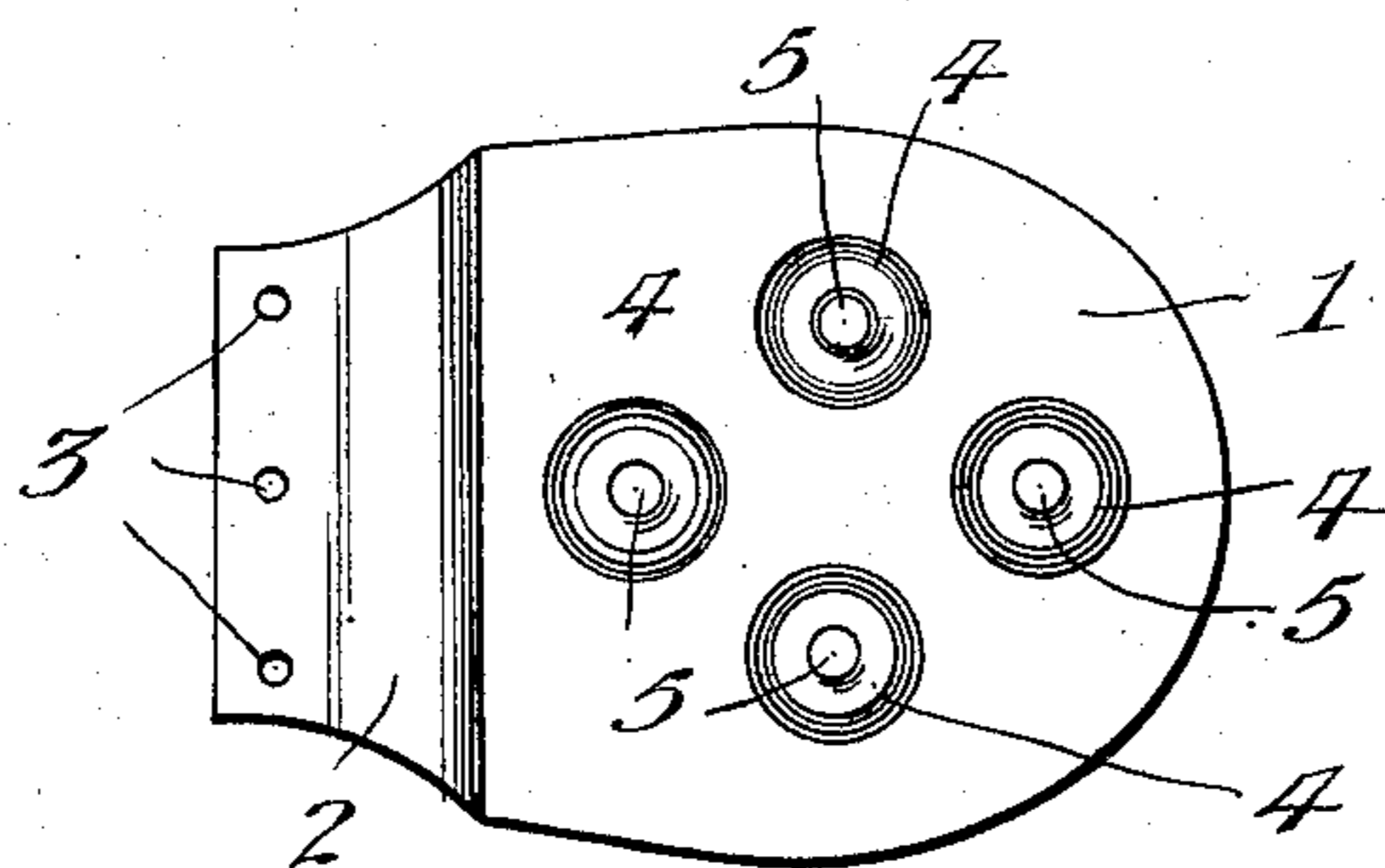
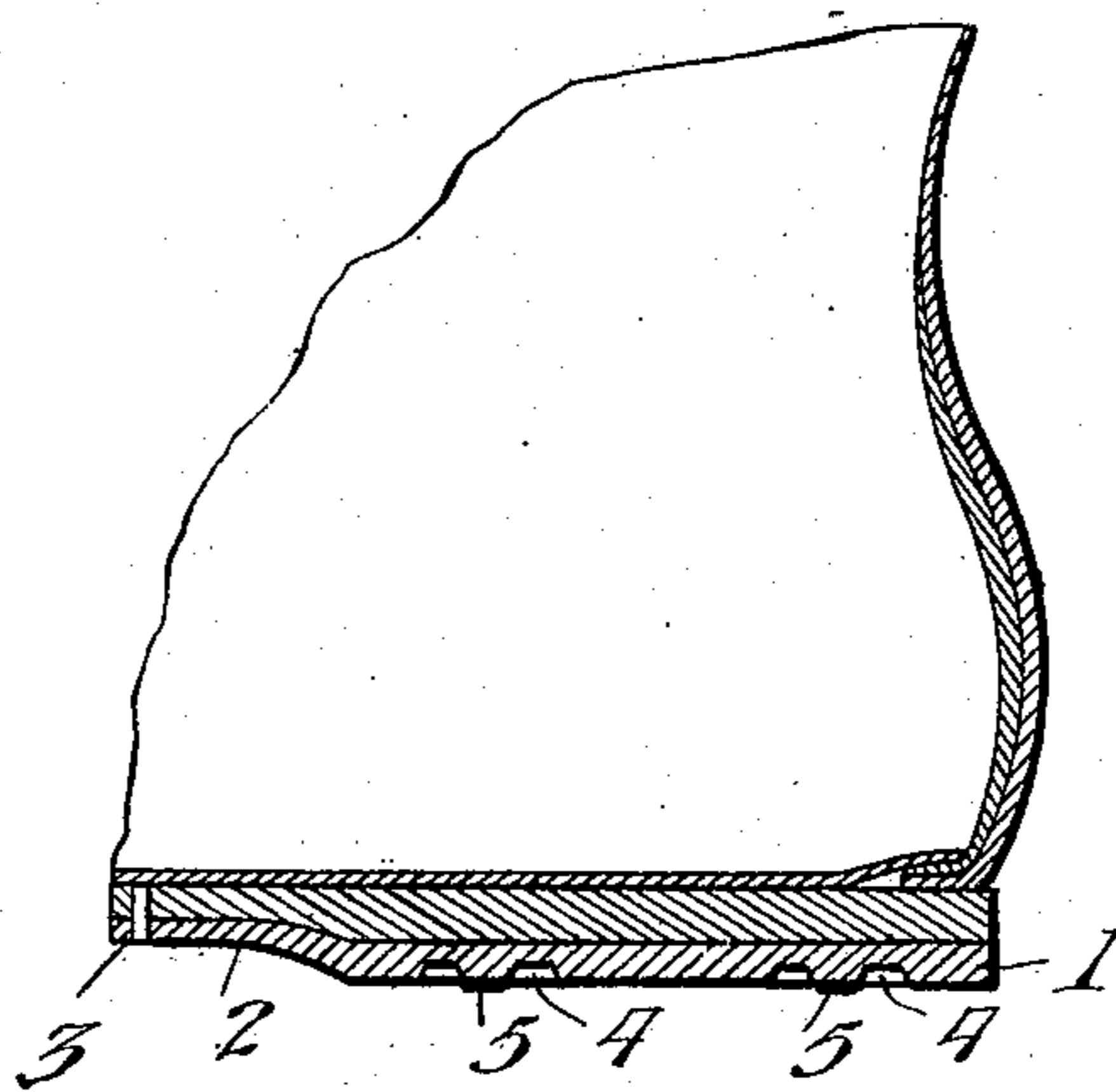


Fig. 3.



Inventor

Eusebe Guilman

Witnesses

Phil. E. Barnes
Nathaniel Allen

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

EUSEBE GUILMAN, OF BIDDEFORD, MAINE.

HEEL.

No. 858,976.

Specification of Letters Patent.

Patented July 2, 1907.

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To all whom it may concern:

Be it known that I, EUSEBE GUILMAN, a citizen of the United States of America, residing at Biddeford, in the county of York and State of Maine, have invented
5 new and useful Improvements in Heels, of which the following is a specification.

This invention relates to heels for shoes and the like, the object of the invention being to provide what may be termed an attachable heel adapted to be applied to
10 any heelless shoe and when applied to give a firm frictional grasp of the heel upon the surface being walked upon, the improved heel also giving ease in walking and elasticity of the step, besides being noiseless and adapted to increase the life and durability of the shoe
15 or like article to which it is applied.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement, as herein
20 fully described, illustrated and claimed.

In the accompanying drawings—Figure 1 is a perspective view of an attachable heel constructed in accordance with the present invention, looking toward the underside of the same; Fig. 2 is a bottom plan view
25 of the heel; and Fig. 3 is a sectional view of a portion of a shoe, with the improved heel applied thereto.

Like reference numerals designate corresponding parts in all figures of the drawings.

The improved heel contemplated in this invention
30 comprises a body portion 1 of the same size and shape as the bottom lift of a heel or the heel portion of a heelless shoe. The attachable heel as a whole is preferably formed of good serviceable virgin rubber, and the body portion 1 thereof may be of any suitable thickness to give the desired wear and elasticity. Extending forward from the front portion of the body 1 is a relatively thin tab or extension 2 which is adapted to be secured directly to the shank of the sole of the shoe, as shown in Fig. 3, which may be done by driving
40 fasteners through a plurality of openings 3 in said tab or extension into the shank of the sole, the body por-

tion of the attachable heel being preferably secured in place by cement, or its equivalent, although, if desired, said body portion may be secured to the sole by the fasteners located at the points 3.

The bottom surface of the heel is countersunk at a plurality of points, as shown at 4, said countersinks being preferably annular with beveled or inclined edges, thus facilitating the formation of the heel by molding. In thus forming the heel, teats or projections 5 are left
50 centrally within the countersinks 4, and project beyond the cavities and also beyond the tread of the heel by means of which they serve to increase the adhesive action of the heel against and upon slippery or wet surfaces, and also permit of the suction cavities to obtain
55 a firmer hold on the surface being walked upon.

The attachable heel hereinabove described is particularly adapted for children's spring or heelless shoes, rendering walking easier and giving elasticity to the step, besides being easier on the nerves and reducing the noise of walking to a minimum, this being an especially valuable feature for school children. In addition to this, the wear of the shoes is materially increased.

Heels constructed in accordance with the present invention may, of course, be made of any size and of any thickness.

Having thus described the invention, what is claimed as new, is:—

A heel tread piece constructed of resilient material having a forward projecting extension bent to conform to the configuration of the shank portion of the shoe sole so as to contact therewith, the tread piece being provided with a plurality of annular dished shaped suction cavities having central projections therein which extend downwardly beyond said cavities and said tread piece, said extension
70 piece having a plurality of openings adapted to receive fastening means therein for securing the extension to the shank of the shoe, substantially as specified.

In testimony whereof, I affix my signature in presence of two witnesses.

EUSEBE GUILMAN.

Witnesses:

ANNABEL A. ROGERS,
JAMES G. C. SMITH.