To all whom it may concern:

Be it known that I, Marcus Saul, a citizen of the United States, and a resident of New York, county and State of New York, have invented certain new and useful Improvements in Bunion and Corn Protectors, of which the following is a full, clear, and exact specification.

This invention relates to a class of devices or protectors adapted more particularly to be employed for relieving affected parts of the feet or body of a person.

My invention has for its object primarily to provide a protector or shield designed to be applied over bunions, corns, callouses, growths, or enlargements especially upon a person's foot and which enables the affected parts to be relieved of pain and in some cases partially cured by effectually preventing all pressure or irritation thereafter when wearing footwear.

Another object of the invention is to provide a ventilated form of protector or shield which is preferably made of vulcanized rubber or other suitable material adapted to retain the natural moisture of the body which results in inducing the skin to remain soft and thereby assist the absorption of the swelling.

Still another object of the invention is to provide a protector in which are formed a plurality of cushions of varying thicknesses employed in a manner to relieve the affected parts by receiving the pressure direct from the footwear.

A further object of the invention is to provide a protector or shield which may be made in various sizes and forms so as to be susceptible of being used upon different parts of the foot.

A practical embodiment of the invention is represented in the accompanying drawing forming a part of this specification in which similar characters of reference indicate corresponding parts in all the views, the said invention being more fully described hereinafter and then pointed out in the appended claims.

In the drawing, Figure 1 is a top plan of one form of protector embodying my invention. Fig. 2 is an inverted plan thereof. Fig. 3 is a section taken on the line II—II of Fig. 1, and Fig. 4 is a section taken on the line III—III of Fig. 3.

The protector or shield 10 has a body 11 which may be substantially oval or elliptic in shape, and in proximity to the center thereof is a passage 11a. For the purpose of illustrating the advantages of the device it is shown in the drawing as adapted to be applied over a bunion or other enlargement of a person's foot though it is evident that by varying the shape of said device it may be applied with equal advantage upon corns, callusses, etc. The protector is preferably made of rubber or other resilient material which will serve to retain the natural moisture of the skin when applied upon an affected part.

The body 11 has a top surface 12 which tapers or is formed on an incline, as at 13 and 14, toward its lengthwise ends, and said top surface is curved transversely of said body. Upon the body 11 and at the passage 11a thereof is an integrally formed cap or hollow hump 15 whereby a cavity 16 is provided upon the underside of the body and which communicates with said passage for reception of the bunion or enlargement when the protector is applied thereupon. The undersurface 17 of the body 11 is concaved and the wall of said body is of varying thicknesses whereby forward and rear cushions 18 and 19 and side cushions 20 and 21 are provided at the base of the cavity 16.

In order to relieve the pressure or irritation produced by rubbing of the footwear upon the affected parts of a person's foot the use of the protector the rear cushion 19 is of greater thickness than the forward cushion 18 while the side cushions 20 and 21 are of less thickness than the forward cushion 18.

All of the cushions 18, 19, 20, 21 have tapering surfaces upon the underside of the body 11 so as to form said body with very thin outer edges.

To provide proper ventilation when the protector is applied upon an affected part, in order to induce circulation of the blood, in the cushion 18 of the undersurface 17 of the body 11, is a groove 22, and in the cushion 19 of said undersurface is a second groove 23. In each of the grooves 22 and 23 and through the body 11 may be openings or vents 24, and through said body in proximity to the grooves may be formed one or more openings or vents, as 25.

In the foregoing description I have embodied the preferred form of my invention, but I do not wish to be understood as limiting myself thereto, as I am aware that modifications may be made therein without de-
parting from the principle or sacrificing any of the advantages of this invention, therefore I reserve to myself the right to make such changes as fairly fall within the scope thereof.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A protector of the character described, comprising an oval concave body having a passage therethrough, a cap integrally formed upon the top surface of the body at the passage thereof, and two cushions, one formed upon the underside of the body at the base of the cap and the second cushion formed upon the underside of said body at the opposite part of the base of said cap, each of said cushions having a groove formed therein.

2. A protector of the character described, comprising an oval concave body having a passage therethrough, a cap integrally formed upon the top surface of the body at the passage thereof, and two cushions of different thicknesses one formed upon the underside of the body at the base of the cap and the second cushion formed upon the underside of said body at the opposite part of the base of said cap, each of said cushions having a groove formed therein and each provided with a plurality of vents therethrough.

3. A protector of the character described, comprising an oval concave body having a passage therethrough and having its top surface formed on an incline toward its lengthwise ends, a cap integrally formed upon the top surface of the body at the passage thereof, and two cushions, one formed upon the underside of the body at the base of the cap and the second cushion formed upon the underside of said body at the opposite part of the base of said cap, each of said cushions having a groove formed therein and each provided with a plurality of vents therethrough.

4. A protector of the character described, comprising an oval concave body having a passage therethrough, said body having its top surface tapered toward its lengthwise ends and being curved transversely thereof, a cap integrally formed upon the top surface of the body at its passage, a plurality of tapered cushions of different thicknesses integrally formed upon the underside of the body at the base of the cap, two of said cushions having a groove provided therein, and said body having a plurality of openings therethrough.

5. A protector of the character described, comprising an oval concave body upon which is formed a hollow hump whereby a cavity is provided in proximity to the center thereof, said body having its top surface tapered toward its lengthwise ends and being curved transversely thereof, and a plurality of tapered cushions of different thicknesses formed upon the underside of the body at the juncture of the hollow hump with the body, each of said cushions having a groove formed therein and having an opening therethrough.

This specification signed and witnessed this 9th day of June A. D. 1911.

MARCUS SAUL.

Witnesses:

WM. BERNARD,

BENJAMIN H. STERN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,

Washington, D. C."