No. 614,491. Patented Nov. 22, 1898.

W. F. McFARLAND.

PROTECTOR FOR TROUSERS.

(Application filed Mar. 2, 1898.)

(No Model.)

Fig. 1.

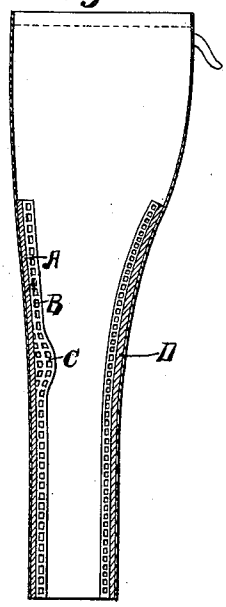


Fig. 2.

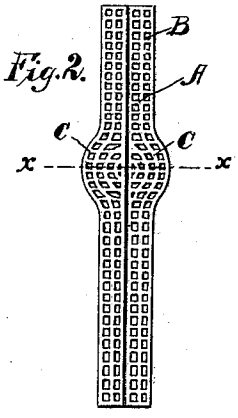


Fig. 3.



Witnesses:

L. D. Heinrichs

S. S. Williamson

Inventor

Willis F. McFarland

by G. W. C. Hazelton Jr.

Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIS F. McFARLAND, OF LYNN, MASSACHUSETTS.

PROTECTOR FOR TROUSERS.

SPECIFICATION forming part of Letters Patent No. 614,491, dated November 22, 1898.

Application filed March 2, 1898. Serial No. 672,289. (No model.)

To all whom it may concern:

Be it known that I, WILLIS F. McFARLAND, a citizen of the United States, residing at Lynn, county of Essex, State of Massachusetts, have invented a new and useful Improvement in Protectors for Trousers, of which the following is a specification.

My invention relates to a new and useful improvement in protectors for trousers, and has for its object to provide a simple, cheap, and effective means by which a pair of trousers will be prevented from setting and becoming misshaped by use, thereby avoiding the necessity of pressing, stretching, or otherwise treating the same for replacing the original creases therein.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a section of a pair of trousers, showing the application of my improvement thereto; Fig. 2, a view of the protector adapted for the front of the trousers-leg, and Fig. 3 a section at the line x x thereof.

In carrying out my invention as here embodied I mold or otherwise shape a protector A from rubber or like material, having a series of openings or holes B therein, so as to both ventilate and lighten the device, and in the protector which is intended for the front of the trousers-legs I prefer to provide an enlargement C near the center thereof. Such a protector is made in angular shape in cross-section, as clearly shown in Fig. 3, the vertex thereof being intended to lie within the crease of the trousers-legs and hold the same against distortion.

A protector D is provided for the rear creases of the trousers-legs and is made in the same manner as that just described in connection with the protector A, except in the exact shape thereof, since each protector is formed so as to be especially applicable to the location it is to occupy.

In practice these protectors may be covered upon one or both sides with a suitable fabric, such as thin cloth, and they may be applied to the trousers by gum tissue, such as gutta-percha, by simply placing them in position and subjecting the trousers at this point to sufficient heat to soften said tissue, thus securely holding the protectors in place, as is well understood in this art. By this arrangement persons of ordinary skill are enabled to secure the protectors in place, and when they are once so secured it is obvious that the trousers cannot become distorted and that the creases originally placed therein will be retained indefinitely, and also there will be a tendency to protect the legs of the wearer from moisture which would otherwise be absorbed by the fabric of the trousers, and also to protect the lower edges from becoming worn by abrasion upon the shoes.

One of the principal advantages of my improvement is its exceeding simplicity and the convenience with which it may be secured in place and also the fact that it may be made in any length to suit various trousers, or it may be so manufactured that its length may be shortened by cutting away, so as to adapt it to the work in hand.

Having thus fully described my invention, what I claim as new and useful is—

A trousers-protector, consisting of a strip of perforated rubber V shape in cross-section, said strip being enlarged centrally to conform to the knee of the wearer, as and for the purpose described.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

WILLIS F. McFARLAND.

Witnesses:

CLARENCE E. CLARK,

FRED B. HORTON.