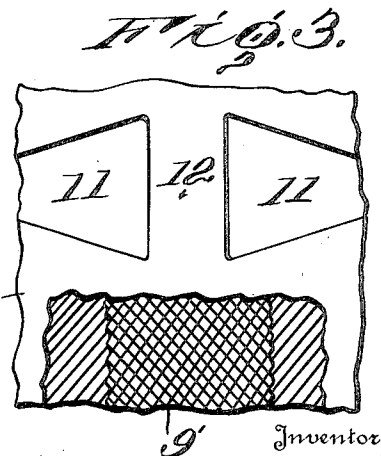
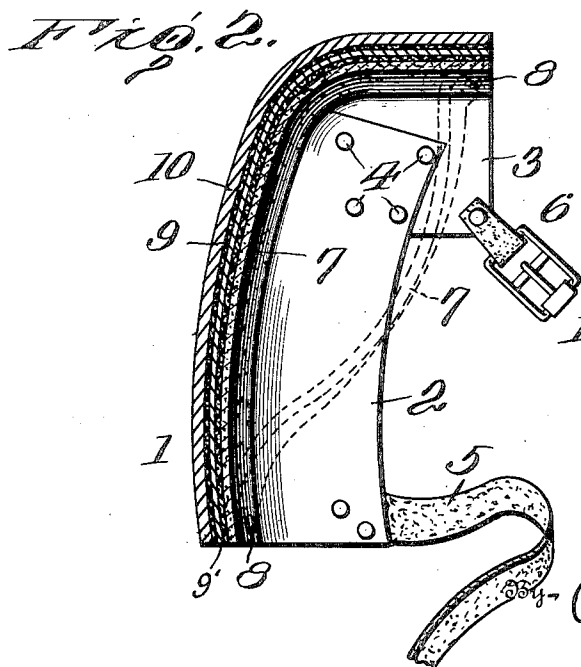
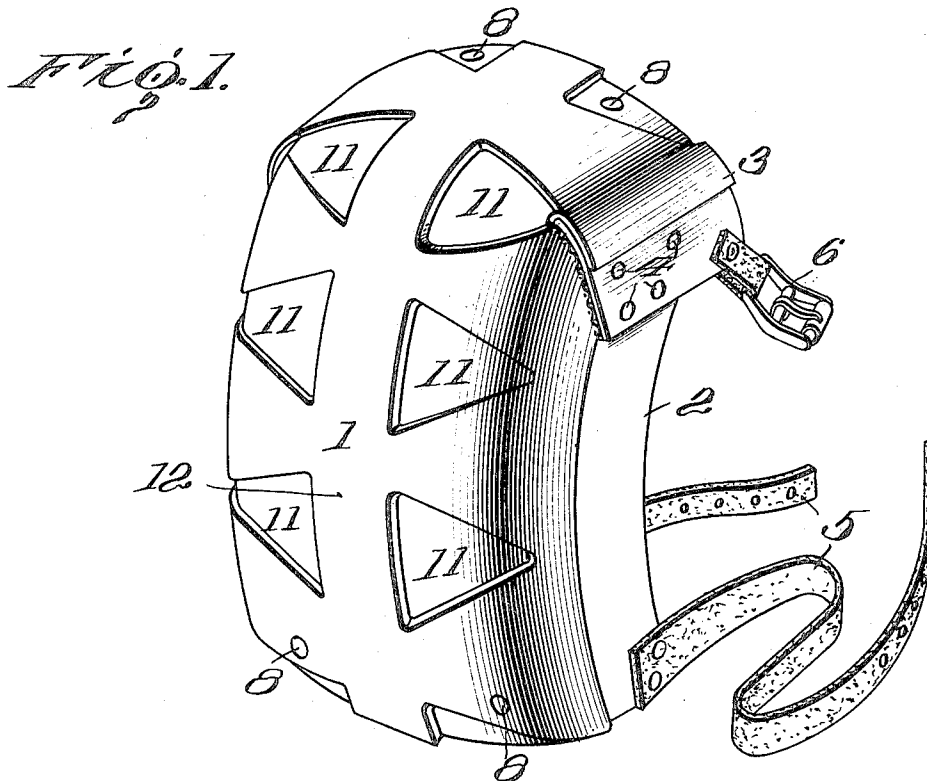


1,404,722.

Patented Jan. 24, 1922.



Inventor
John S. Swope
Sturtevant & Mason
Attorney

UNITED STATES PATENT OFFICE.

JOHN S. SWOPE, OF PARIS, TEXAS, ASSIGNOR OF FORTY-FIVE PER CENT TO JOHN A. SCARBOROUGH AND TWENTY PER CENT TO RICHARD W. WORTHAM, BOTH OF PARIS, TEXAS.

KNEE PROTECTOR.

1,404,722.

Specification of Letters Patent. Patented Jan. 24, 1922.

Application filed September 17, 1920. Serial No. 411,004.

To all whom it may concern:

Be it known that I, JOHN S. SWOPE, a citizen of the United States, residing at Paris, in the county of Lamar, State of

5 Texas, have invented certain new and useful Improvements in Knee Protectors, of which the following is a description, reference being had to the accompanying drawing, and to the figures of reference marked thereon.

10 The invention relates to new and useful improvements in knee protectors, and more particularly to a knee protector which is adapted to be used for the picking of cotton or the like.

15 An object of the invention is to provide a knee protector wherein the body portion is formed of an inner layer of fabric and an outer layer of rubber, thereby forming a flexible pad which is durable and water-

20 proof. A further object of the invention is to provide a knee protector of the above character wherein puncture-proof material is embedded in the body portion of the protector so as to prevent said protector from

25 being punctured or cut by sharp stones or the like. A still further object of the invention is to provide a knee protector of the above character which is provided with projections on its under face for strengthening and preventing the same from slipping on

30 the wet ground. These and other objects will in part be obvious and will in part be hereinafter more fully disclosed.

In the drawings, which show by way of illustration one embodiment of the invention:—

40 Figure 1 is a perspective view of my improved knee protector;

Fig. 2 is a longitudinal sectional view centrally through the same;

45 Fig. 3 is a bottom view of the protector with a part of the rubber surface broken away to show the puncture-proof material.

My improved pad consists of an angular body portion or casing shaped to fit the bended knee. Said body portion or casing

50 is preferably formed of an inner layer of fabric and an outer layer of rubber. This makes a very flexible protector which is waterproof and which is durable. I also preferably embed in the body portion between the rubber and the fabric a layer

of puncture-proof material so as to prevent the sharp stones or the like from puncturing the pad. I also preferably provide the outer surface of the protector with projections, thus forming a non-skid surface

60 which will prevent the wearer from slipping on the wet ground. Referring more in detail to the drawings, my improved knee protector consists of a body portion or casing 1 having sides 2—2,

65 which sides are cut as at 3 at right angles to the edge of the body portion so that the side parts may be overlapped and riveted by means of rivets 4—4. As clearly shown in the drawings, the casing is formed substantially U-shaped in cross section and is

70 curved longitudinally as clearly illustrated in Figures 1 and 2. This natural curvature of the casing which is due to the fact that it is made from a section of an automobile

75 tire, either new, but preferably old or worn, permits that portion of the casing which contacts with the ground when worn, to fit more closely and snugly to the shins of the wearer. The protector is secured to the leg

80 by means of straps 5—5 and buckles 6—6. Located within the body portion is a pad 7 which is secured by rivets 8—8 located at the ends of the pad only to the body portion so that this pad may be readily moved

85 to the dotted line position shown in Fig. 2 to clean out any dirt or small stones which may have worked into the protector and beneath the pad. The body portion is formed of fabric 9 and an outer layer of rubber 10.

90 Between the two layers is a puncture-proof material 9' which may be of any suitable character but which as here shown is formed of cords woven back and forth diagonally of the length of the protector. The outer

95 surface of the pad is formed with recesses 11—11 which in effect produce projections 12—12 extending longitudinally of the pad and laterally of the pad, which projections form a non-skid surface to prevent the

100 wearer from slipping on the wet ground. The puncture-proof material prevents sharp stones and the like from getting through the pad and thus greatly increases the life of the pad. The outer rubber surface prevents moisture from penetrating the protector.

105 It is obvious that minor changes in the details of construction and the arrangement of parts may be made without departing

110

from the spirit of the invention as set forth in the appended claims.

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

5 1. A knee protector comprising a solid casing, built up of layers of fabric and rubber, said casing being formed substantially U-shaped in cross section throughout its length and curved longitudinally, leg
10 cushioning means arranged within said casing, and means for securing said casing to the leg of the wearer.

2. A knee protector comprising a solid casing of substantial thickness built up of
15 layers of fabric and rubber, there being an exterior layer of rubber, said casing being formed substantially U-shaped in cross section throughout its length and curved longitudinally, leg cushioning means arranged
20 within said casing, and means for securing said casing to the leg of the wearer.

3. A knee protector comprising a solid

casing of substantial thickness, built up of layers of fabric, rubber and puncture-proof material, there being an exterior layer of
25 rubber, said casing being formed substantially U-shaped in cross section throughout its length, and curved longitudinally, leg cushioning means arranged within said casing, and means for securing said casing to
30 the leg of the wearer.

4. A knee protector comprising a solid casing built up of layers of fabric and rubber with an exterior layer of rubber formed with integral anti-skid projections, said casing
35 being formed substantially U-shaped in cross section throughout its length and curved longitudinally, leg cushioning means arranged within said casing, and means for securing said casing to the leg of the wearer.
40

In testimony whereof, I affix my signature.

JOHN S. SWOPE.