

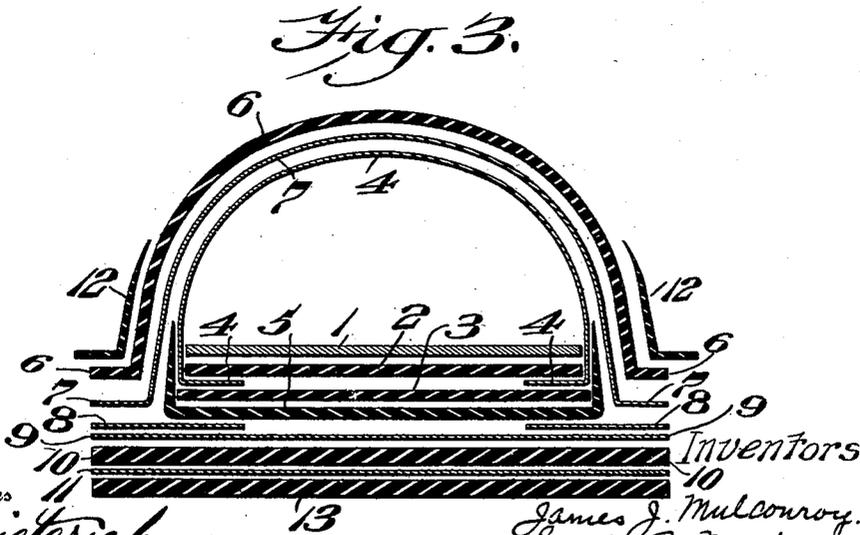
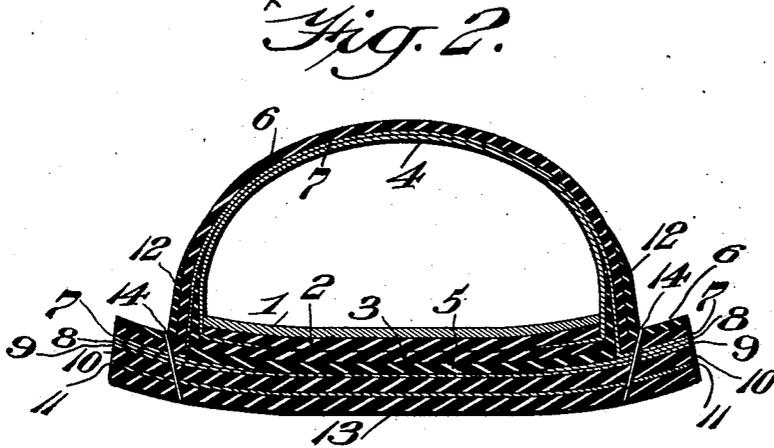
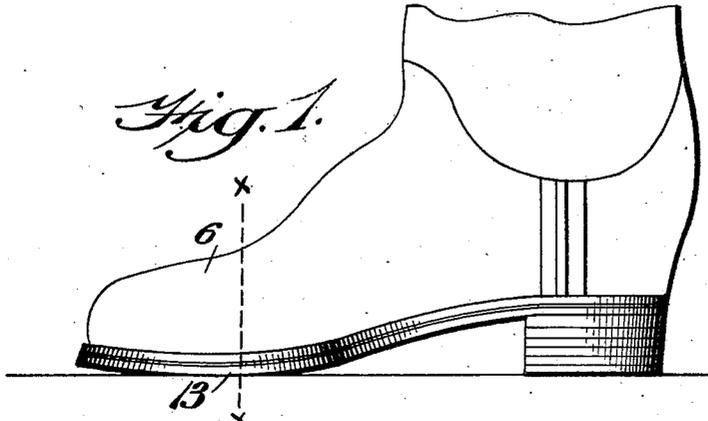
J. J. MULCONROY & E. S. MORRIS.

BOOT OR SHOE.

APPLICATION FILED APR. 17, 1909.

992,515.

Patented May 16, 1911.



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UNITED STATES PATENT OFFICE.

JAMES J. MULCONROY AND EDWIN S. MORRIS, OF PHILADELPHIA, PENNSYLVANIA.

BOOT OR SHOE.

992,515.

Specification of Letters Patent. Patented May 16, 1911.

Application filed April 17, 1909. Serial No. 490,656.

To all whom it may concern:

Be it known that we, JAMES J. MULCONROY and EDWIN S. MORRIS, both citizens of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement Applying to Boots or Shoes, of which the following is a specification.

Our invention relates to a new improvement in rubber boots or shoes, applying particularly to the style boot or shoe, for which Patent No. 895,284 of August 4th, 1908 has already been granted us, and consists of a suitable sole having an extension or welt, a suitable filling sole, an upper, means for connecting these parts and a guard strip or protector connected with the upper and with the welt sole.

It further consists of an upper, formed of rubber and canvas, an insole, middle sole, pure rubber covering, a welt sole, of canvas sheet and strips of various kinds, a guard strip, a wearing sole and means for holding on the same.

It further consists in novel details of construction of rubber, canvas and leather formed in a new and improved combination as will be hereinafter set forth.

It further consists of other novel features of construction all as will be hereinafter fully set forth.

Figure 1 represents a side elevation of the boot or shoe. Fig. 2 represents a sectional view on the line $x-x$ of Fig. 1, it being understood that the construction is the same at the heel and at other parts of the foot as at the part designated. Fig. 3 represents a sectional view of the parts in detached position for the sake of clearness.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, we have found in the manufacture of the boot as designated in our patent aforesaid, that it is not in all instances necessary to stitch the layer of canvas to the vamp lining and then fold the edges inwardly, in order to secure the proper juncture and hold the out-turned vamp lining in its proper position; but that the same purpose is served by placing a canvas strip or a canvas sheet, or both, in suitable position and securing them together. It is understood by all, that are versed in the art of rubber boot manufacture, that all canvas parts are saturated with cement or cal-

ender coated, so that they will adhere to each other when placed in the vulcanizer. In addition it has been found that the hardest wear on the boot is around its edge near the sole, as in walking this is the part that is subjected to the hard knocks by coming in contact with frozen snow, ice, stones, snags, concrete, etc.

Our improvements are designed to overcome these defects, and in the drawings we have shown a construction for carrying out our improvement, but it will be evident that the arrangement of the parts may be varied and various changes may be made which will come within the scope of our invention and we do not therefore desire to be limited in every instance to the exact construction herein shown and described but desire to make such changes as may be necessary.

1 designates an insole, 2 and 3 strips of rubber and 4 a lining for the vamp or upper, the edges of which are bent inwardly between the strips of rubber 2 and 3 and will be firmly held therebetween, when the parts are suitably vulcanized or secured together.

5 designates a sheet of pure rubber that covers the whole bottom of the foot portion and laps up the sides over the edges of the insole and filling sole 2 and 3. This sheet acts as a waterproof seal to prevent moisture or water from getting inside the boot.

The upper or vamp in the present instance is formed of canvas and rubber vulcanized together and is here represented by the boot lining 4, vamp lining 7 and the outer rubber cover 6. At the heel portion the vamp lining is known as the counter. It will be understood from the drawing that the parts 6 and 7 are outwardly turned at the sole, as indicated, instead of being turned in as in the ordinary construction.

8 designates a strip of canvas extending beneath a part of the sheet 5 of pure rubber and beneath, the out-turned portion of the upper 6, which serves to secure the out-turned portion in its proper position.

9 designates a canvas sheet which covers the whole bottom surface of the boot and is in some instances placed beneath the canvas strip 8 and the strip 5 of pure rubber. However, in some instances, we may wish to dispense with this strip 8 and then the canvas sheet 9 will perform the same office alone, in which event the canvas sheet 9 is placed adjacent to the out-turned portions

strengthening strip, said canvas strip, welt sole and wearing sole to secure the wearing sole in position.

8. In a rubber boot or shoe having an
5 upper, a filling sole, a sheet of pure rubber covering the surface of said filling sole, a welt sole formed of canvas and rubber, a layer of canvas placed between said sheet of pure rubber and said welt sole, a wearing
10 sole, and a strengthening strip composed of rubber and fabric connected with the upper and extending outwardly over said layer of canvas.

9. A rubber boot or shoe comprising a
15 leather insole, a middle sole of canvas and rubber, a filling sole of canvas and rubber, a pure rubber sheet covering the filling sole and extending above the edges of the filling sole the middle sole and the insole, between
20 the boot lining and the out-turned vamp

lining, an upper of canvas and rubber in one piece with edges turned out over the welt sole, a layer of canvas vulcanized to the out-turned vamp lining and the rubber covered
25 filling sole, a welt sole vulcanized to the aforesaid layer of canvas, a protective strip placed around the lower edge of the boot with one edge extending up the side of the boot and the other edge being bent outwardly over the out-turned upper, a wearing
30 sole, and stitches passing through the out-turned protective strip, the out-turned upper, the welt sole and the outer edge of the wearing sole.

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