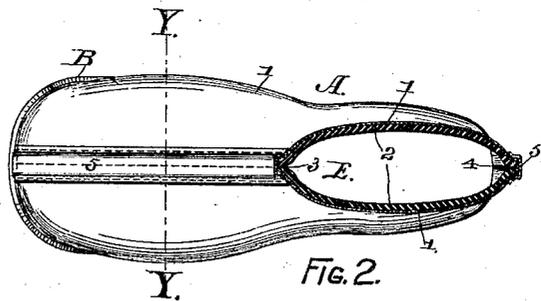
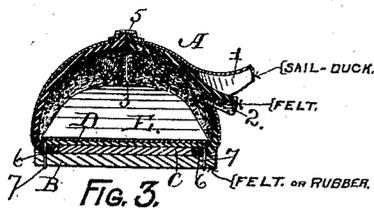
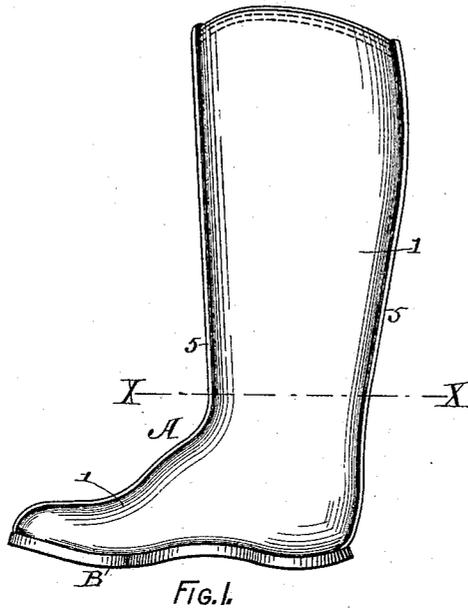


(No Model.)

W. McKIE.
BOOT.

No. 395,664.

Patented Jan. 1, 1889.



Witnesses:
Halter M. Brown
S. B. Brewer

by

Inventor:
WILLIAM McKIE,
William H. Low,
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM MCKIE, OF ALBANY, NEW YORK, ASSIGNOR OF ONE-HALF TO FRANCIS C. HUYCK AND CHANCEY E. ARGERSINGER, BOTH OF SAME PLACE.

BOOT.

SPECIFICATION forming part of Letters Patent No. 395,664, dated January 1, 1889.

Application filed October 23, 1888. Serial No. 288,918. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MCKIE, of the city and county of Albany, in the State of New York, have invented new and useful Improvements in Composite Boots, of which the following is a specification.

The object of my invention is to remedy a common and well-known defect in composite boots of the class which are made for lumbermen and other operatives whose occupation requires them to perform their work out-of-doors in cold weather, which defect consists in the liability of the body of the boot becoming cracked and broken after a brief use thereof, whereby the boots are rendered worthless as a protection to the feet against the snow and slush in which the work has to be generally performed; and to attain this object my invention consists of a composite boot whose leg and upper is composed of an outer body of sail-duck, which is both flexible and practically impervious to water, and a lining of felt or woven material, and whose sole is composed of felt or of india-rubber, as may be preferred.

In the accompanying drawings, which are herein referred to and form a part of this specification, Figure 1 is a side elevation of a boot in which my invention is embodied. Fig. 2 is an enlarged horizontal section at the line X X of Fig. 1; and Fig. 3 is a vertical section at the line Y Y of Fig. 2, showing the outer and inner layers torn and turned outwardly for the purpose of clearly defining the arrangement of the different layers of the material used therein.

As represented in the drawings, A designates the leg and upper of my boot, the same being composed of an outer body, 1, of sail-duck, and an inner lining, 2, of felt or woven fabric, there being two pieces of each, which are cut to a uniform size and shape from flat sheets of the material above named. All of said pieces are secured together in the relative positions just stated by means of a single seam, 3, at the front of the boot and a single seam, 4, at the back of the boot, and, for the purpose of affording greater strength and endurance to wear, each of said seams is provided with a stay-piece, 5, which is preferably made of sail-duck, and is secured by

stitching over said seams. The lower end of the pieces which form the leg and upper is turned inwardly to form an inturned flange, 6, which extends continuously around the lower part of the foot of the boot for the purpose of securing the sole B thereto. Between the edges of the opposite flanges 6 a flexible filling, C, of leather or other suitable material, is inserted to fill the space between the flanges to a level surface with both faces of said flanges. An inner sole, D, is arranged to entirely cover over said flanges and filling, and thereby a smooth and unbroken surface is provided to receive the foot of the wearer.

The sole B is made of felt or, when preferred, of india-rubber, and it is first attached to the boot by cementing it to the flanges 6 and filling C, and is then secured in place by a line of stitching, 7, which, by passing through the several parts, firmly fastens together the sole B, flanges 6, and inner sole, D.

An insole, E, of leather or other flexible material, is preferably inserted in the foot of the boot to entirely cover the inner sole, D; but said insole may be omitted without material detriment to the wearing qualities of the boots.

These boots are preferably worn with india-rubber overshoes during wet weather; but during dry cold weather they may be worn with perfect safety and entire comfort without said overshoes.

Heretofore composite boots have been made with their legs and uppers composed of felt or woven fabric on their outer surface, and after a brief use the felt or woven fabric would become cracked and broken about the ankle to such a degree as to render the boots worthless. In my improvement the outer body, being composed of sail-duck, possesses the essential qualities of great strength, flexibility, and imperviousness to water.

I claim as my invention—

As an improved article of manufacture, a composite boot which consists of a leg and upper composed of an outer body of sail-duck and an inner lining of felt or woven fabric, a sole of felt or india-rubber, and a sole-filling of leather or other flexible material, the outer body and lining of said leg and upper being composed of two pieces of each of the said materials cut to a uniform size and shape, se-

cured together by a single seam at the front and rear, and turned inwardly to form a continuous flange around the lower edge, said front and rear seams being covered by stay-
5 pieces of sail-duck, said sole-filling forming a flush surface with the upper and lower faces of said inturned flange, and said sole being cemented to the foot of the boot and then se-

cured by a line of stitching which involves said sole, flange, and inner sole, as and for the purpose herein specified. 10

WILLIAM MCKIE.

Witnesses:

WM. H. LOW,
S. B. BREWER.