

(No Model.)

J. G. GLADDING.
COMBINED TROUSERS AND BOOTS.

No. 411,433.

Patented Sept. 24, 1889.

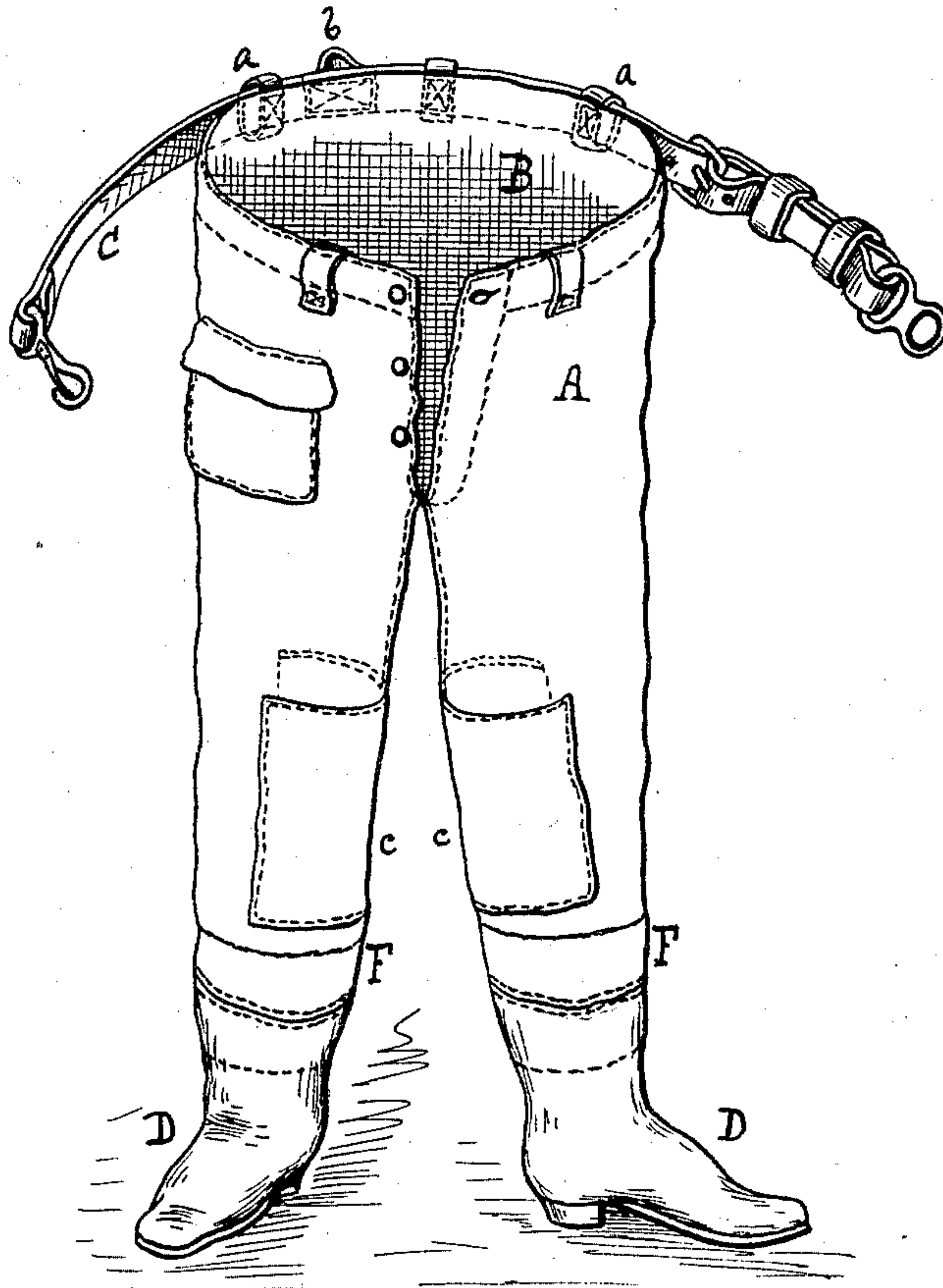


FIG. 1.

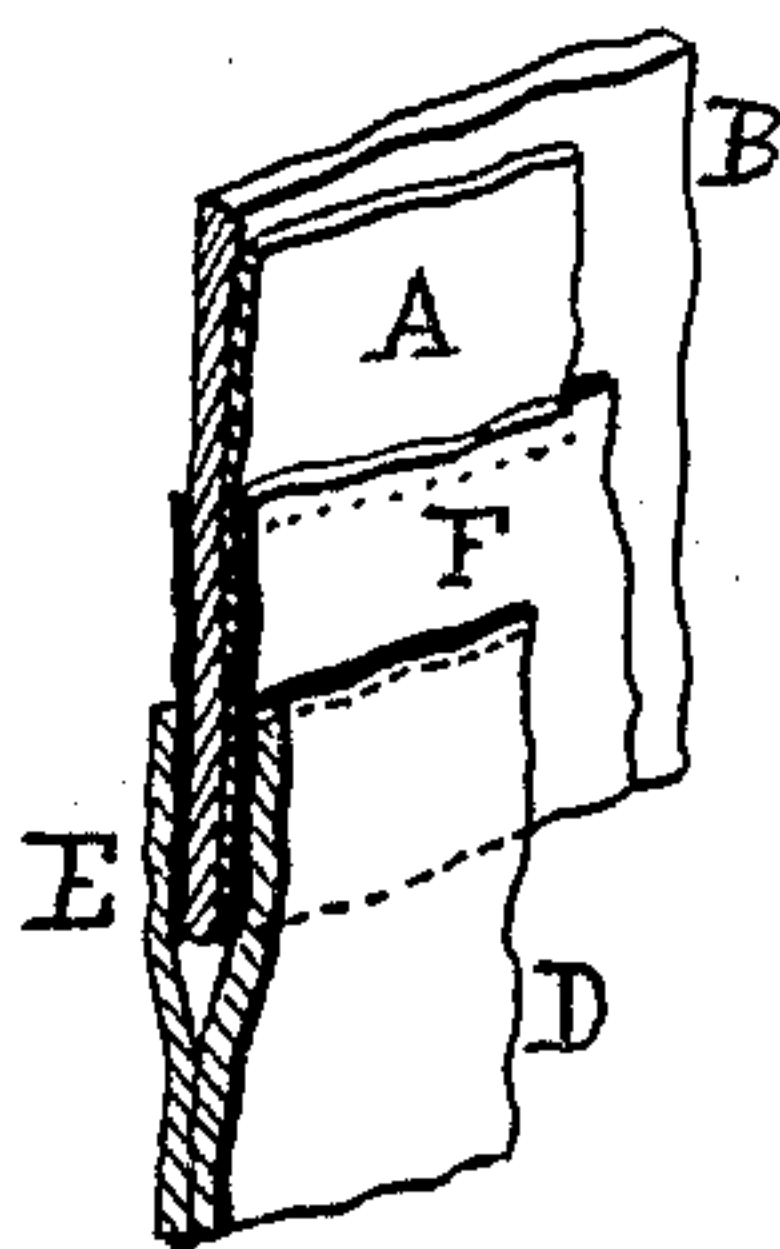


FIG. 2.

WITNESSES.

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COMBINED TROUSERS AND BOOTS.

SPECIFICATION forming part of Letters Patent No. 411,433, dated September 24, 1889.

Application filed November 19, 1888. Serial No. 291,241. (No model.)

To all whom it may concern:

Be it known that I, JESSE G. GLADDING, of the town and county of Bristol, in the State of Rhode Island, have invented a certain new and useful Improvement in Combined Trousers and Boots; and I declare the following to be a specification thereof, reference being had to the accompanying drawings.

Like letters indicate like parts.

Figure 1 is a perspective view of my invention. Fig. 2 is a detail view.

My invention is a combination garment consisting of trousers and boots. It is especially designed for use by firemen, but is also useful for crews of coast life-saving stations, fishermen, sailors, and others requiring a water-proof garment.

My invention consists of a pair of trousers having its exterior made of oiled cloth and its lining made of woolen, stitched together and united to a pair of rubber boots, the whole constructed and combined as herein-after fully specified, and particularly pointed out in the claim.

In the drawings, A represents the exterior portion of a pair of trousers made of oiled cloth. The lining B is made of flannel or other woolen cloth. A belt C, having the usual clasps, is held by loops *a* to the waist-band of the garment. The belt may have a holder *b* for a hose-wrench, if desired.

The boots D are made of rubber in the usual manner, and have a lining E of woolen material. The boot-legs are preferably made shorter than usual. The trousers-legs are united with the boot-legs, so as to form practically a continuous surface, as shown in Fig. 2.

A piece of "mackintosh" cloth, so-called, (which is a material made with two exterior surfaces of cotton cloth with an intermediate layer of rubber, all matted together to form a single fabric,) is stitched to the bottom of the trousers-leg, which seam is made water-proof by cement or otherwise. The mackintosh cloth may be a single layer on the outside of the leg, or it may extend over the bottom of the leg, as shown in Fig. 2. The trousers-leg and this piece or strip of mackintosh cloth (marked F in the drawing) are inserted

between the rubber portion of the boot D and the lining E thereof, and the boots and trousers are there united by cement.

In service in the fire-departments of cities and towns it is customary for the fireman, when aroused at night by an alarm of fire, to get from his bed-room upstairs to the engine-room below by sliding down a pole instead of descending by the stairway. This is for the purpose of saving time. In doing this he embraces the pole and bends his legs around it to prevent a too rapid or forcible descent. The friction of the trousers-legs so caused is apt to wear through the cloth. I therefore provide my improved garment with a reinforcing piece or patch *c*, as shown in Fig. 1, extending from about the middle front of each leg half-way around to the middle rear portion, and thus strengthen and protect the garment from such wear.

In practice some time is lost by the fireman in pulling on his boots one at a time and tucking his trousers-legs into the boot-legs. By having the boots and trousers in one combination garment they are all put on at once and in much less time.

When the fireman is dressed in the usual manner his trousers-legs are tucked in the boot-legs, and in consequence the water is liable to flow from his garments into the boots. If, to avoid this, he wears leggins, he has to put on these additional garments and has to carry this additional weight.

By making my improved garment with an oiled cloth outside and a woolen lining inside I furnish practically two garments in one, the woolen being warm and comfortable to the flesh, like a common pair of trousers, and the exterior being as serviceable as leggins or a common oil-cloth garment. I thus provide the equivalent of four or five pieces of wearing-apparel—that is, an equivalent of a pair of woolen trousers, of an oil-cloth overalls or pair of leggins, and a pair of rubber boots—with this advantage, that they are all put on at one operation.

A garment constructed as described is as serviceable as an india-rubber suit and is much less costly. Moreover, it can be readily mended or patched, while a rubber garment

if torn or burned is rendered unfit for further use.

I claim as a useful and novel invention and desire to secure by Letters Patent—

5 The improved garment herein described, consisting of trousers made of two fabrics, the outer material being oiled cloth and the inner material being woolen cloth and united by seams, the bottom of each trousers-leg hav-
10 ing secured thereto a layer of mackintosh

cloth, in combination with lined rubber boots the lining and outer material of which are separated at the tops thereof, the trousers being united to the boots by inserting and cementing them between their outer material 15 and lining, as set forth.

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Witnesses:

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