G. M. ALLERTON.

Gloves.

No. 211,614. Patented Jan. 28, 1879.

Fig. 1.

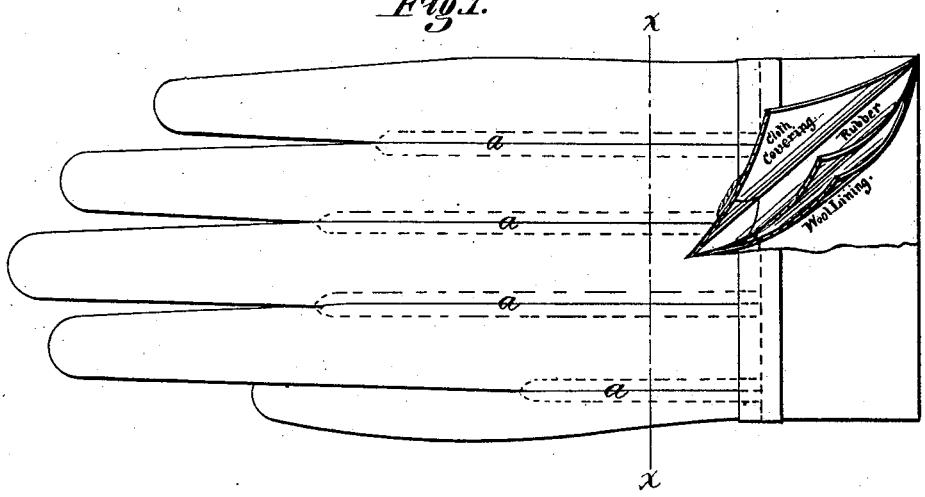


Fig. 2.

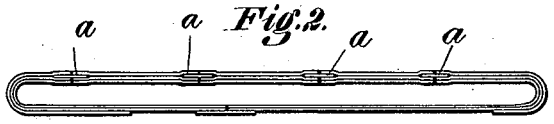
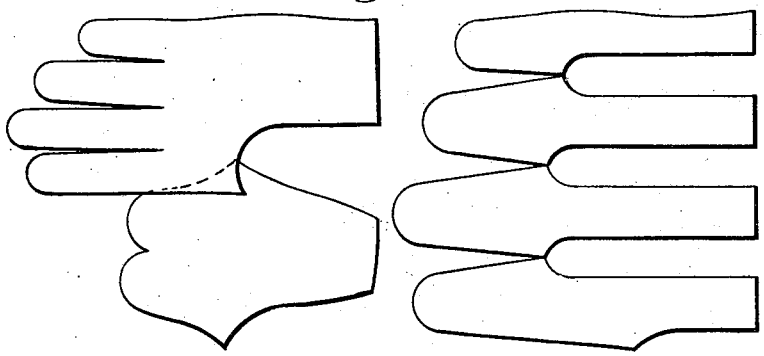


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE M. ALLERTON, OF NAUGATUCK, CONNECTICUT.

IMPROVEMENT IN GLOVES.

Specification forming part of Letters Patent No. **211,614**, dated January 28, 1879; application filed July 12, 1878.

To all whom it may concern:

Be it known that I, GEORGE M. ALLERTON, of Naugatuck, in the county of New Haven and State of Connecticut, have invented certain Improvements in Gloves, of which the following is a specification:

The object of this invention is to produce a glove which shall combine the qualities of being warm and water-proof, and also, if desired, of having the appearance of a cloth, fur, or other glove; and to this end the invention consists in building a rubber glove upon a woolen basis or lining, and then, if desired, covering the rubber with cloth, fur, leather, or other light material, applied to the outside, and in other details, hereinafter described.

Referring to the accompanying drawings, Figure 1 represents a back view of a glove made on my plan, a portion being broken away, in order to show the manner in which the different layers are arranged; Fig. 2, a cross-section of the same; Fig. 3, a plan view, showing the form of the parts previous to their being united.

Water-proof gloves composed of rubber have for many years been known in the market; but a serious objection to such gloves has been found in the fact that they afford little or no protection to the wearer against cold.

As heretofore made, the gloves were sometimes constructed without any lining whatever, and in other cases provided with a lining or basis of thin cotton-gauze, designed to support the rubber and hold the glove in shape, the gauze being quite thin, and being permeated and filled by the rubber in such manner that the latter virtually comes in contact with the hand of the wearer.

In constructing my improved glove, I provide a series of woolen pieces or sections, as represented in Fig. 3, suitable for the formation of the glove, these pieces being cut in any ordinary or usual form, such as employed in the construction of gloves from flannel or other heavy woolen material, of such character as to afford the hand of the wearer protection against cold. I next provide a series of rubber sections or pieces, corresponding in form and size with the woolen pieces. These rubber sections are provided, if desired, with cement on both sides, and have one side applied and permanently secured to the woolen sections by the cement or by the adhesiveness of the rubber. This operation produces sections composed on the inside of wool, and on the outside of the rubber, which has its outer surface provided with the cement, as before mentioned. The compound sections thus formed are arranged in the proper relation to each other to form a glove, and united by means of narrow rubber strips *a*, applied over the seams or joints, as shown in Figs. 1 and 2. The strips thus applied hold the parts or sections securely together, and thus produce a complete glove, having a rubber exterior and a warm woolen lining.

If desired, the gloves may be used in this condition; but for the better class of gloves another set of pieces or sections, cut from wool, fur, leather, or other ornamental material, are applied to the outside of the glove to form a covering for the rubber, or of any desired portion of the same, the outside cover being secured by means of the cement applied to the outside of the rubber, as before stated.

When the covering is of cloth or like material, the glove may be given additional strength and finish by the application of an exterior strip, cemented upon the seams or joints.

It will, of course, be understood that the rubber receives the cement upon its outer surface only when an exterior cover is to be applied, the cement being omitted when the covering is not used.

By the foregoing method of construction I am enabled to produce a glove which is extremely warm, perfectly water-tight, and which has a pleasing and neat appearance, and this without rendering them either stiff or heavy.

Having thus described the invention, what I claim is—

1. The glove composed of compound pieces or sections, united by means of strips *a*, applied as shown, each piece or section consisting of an inner surface of wool and an outer surface of rubber.

2. In a rubber glove, the combination of body-pieces composed of rubber and woolen fabric, outside covering-pieces of wool, fur, or like material, and intermediate fastening-strips *a*, applied in the manner shown.

GEO. M. ALLERTON.

Witnesses:
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