F. P. MACKENZIE.

PROCESS FOR MARKING AND CUTTING GOODS FOR GARMENTS.

APPLICATION FILED JAN. 19, 1909.

943,947. Patented Dec. 21, 1909.

Fig. 1

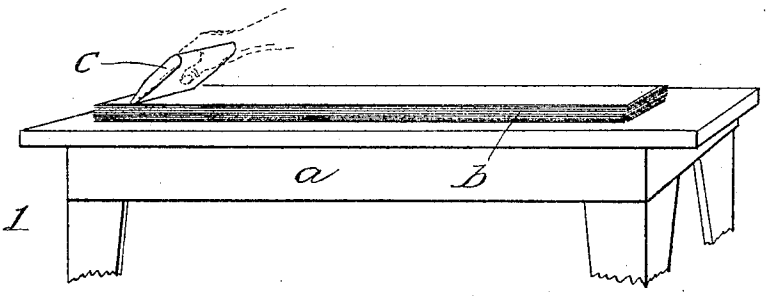


Fig. 2

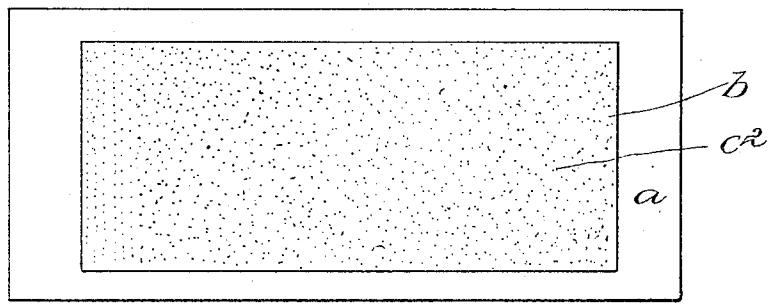


Fig. 3

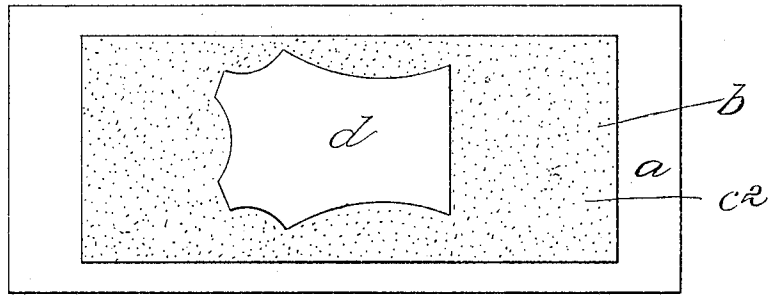
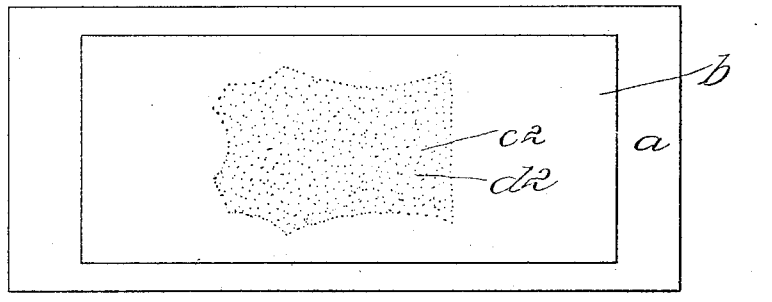


Fig. 4



WITNESSES

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PROCESS FOR MARKING AND CUTTING GOODS FOR GARMENTS.

943,947. Specification of Letters Patent. **Patented Dec. 21, 1909.**

Application filed January 19, 1909. Serial No. 473,104.

To all whom it may concern:

Be it known that I, FRANK P. MACKENZIE, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Processes for Marking and Cutting Goods for Garments, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to an improvement in the art or process of marking and cutting goods for garments, and it consists of an improvement in such art or process whereby the necessity of placing a pattern on the cloth and securing it thereto by pins or otherwise and then marking around the pattern, or cutting around the pattern is avoided.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a perspective view of a table showing a number of strips of cloth placed thereon, and showing one step in my improved process, and Figs. 2, 3 and 4 plan views showing different steps in the process.

In the drawing forming part of this specification, I have shown at *a* an ordinary table such as is usually employed by tailors in cutting garments, and in the practice of my invention I place thereon one or more strips of cloth *b* and take an ordinary piece or bar *c* of tailors' wax such as is usually employed by tailors for marking cloth or other fabrics for cutting or other purposes and pass the same over the cloth or fabric so as to leave thereon a thin layer of the wax as indicated at c^2. I then place on the cloth or fabric a pattern *d* as shown in Fig. 3, and then apply heat either by means of a suitable or specially constructed burner, or by means of a hot iron in such manner as to remove the thin layer of wax which is not covered by the pattern *d*, and this produces the result shown in Fig. 4 in which the form of the pattern is left on the cloth or fabric as indicated in said figure at d^2, and the cloth or fabric is then cut in the usual manner to produce the garment or garment pattern. In this operation the heat must be applied so that it will not melt or remove the wax beneath the pattern *d*, and if a hot iron is used for this purpose it must be used in such manner that the heat will not pass through the pattern *d* and melt or remove the thin layer of wax beneath it. In order to produce this result the pattern *d* may be made of asbestos paper or other suitable material, but as hereinbefore stated a suitably constructed burner may be passed around the pattern *d* and over the cloth or fabric adjacent thereto so as to remove the wax around the pattern *d* without injuring the cloth or fabric.

In Fig. 1 of the accompanying drawing I have indicated the piece or bar *c* of wax as being moved over the cloth or fabric by hand, but my invention is not limited to any particular method of accomplishing this result, and the said result may be accomplished by a suitably constructed machine if desired.

By means of my improved process I avoid the necessity of placing the pattern *d* on the cloth or fabric and securing it thereto and then marking around the said pattern, and the garment or garment pattern may be cut out by hand in the usual manner from a single sheet or strip of goods, or a number of said sheets or strips may be placed together and the said garment or garment pattern may be cut by machinery.

In following the old process it is very difficult to keep the edges of the pattern *d* in proper position and follow the same with a piece of chalk, and this takes much time, but with my improved process this difficulty is avoided, as the form of the pattern is indicated on the goods by the wax *c* as shown in Fig. 4 and the lines thereof may be easily followed.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is;—

1. The herein described process of marking and cutting goods for garments, which consists in placing a thin layer of wax on the goods, then placing a paper or other pattern of the garment on the goods over the wax, then removing the wax around the paper or other pattern so as to leave a copy in wax of the said pattern on the goods, then removing said paper or other pattern and cutting out the garment or that part thereof represented by the pattern in wax.

2. The herein described process of marking and cutting goods for garments, which consists in placing a thin layer of wax on the surface of the goods, then placing a paper or other pattern of the goods over the

wax, then applying heat to remove the wax around said paper or other pattern, then removing the pattern so as to leave a copy thereof in wax on the goods, and then cutting out the garment or that part thereof represented by the pattern in wax.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 18th day of January 1909.

FRANK P. MACKENZIE.

Witnesses:
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