

K. M. KAYE.
CLOTH TRANSFER SHEET.
APPLICATION FILED OCT. 23, 1907.

911,594.

Patented Feb. 9, 1909.

FIG. 1.

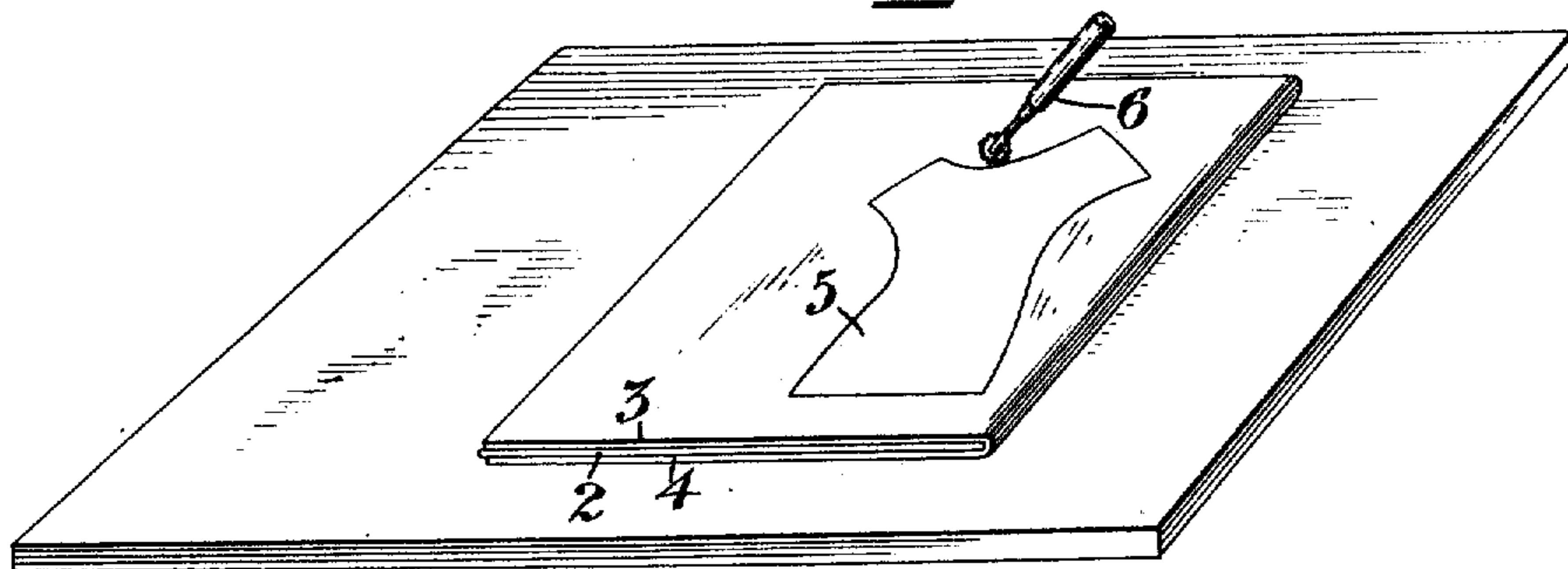


FIG. 2.

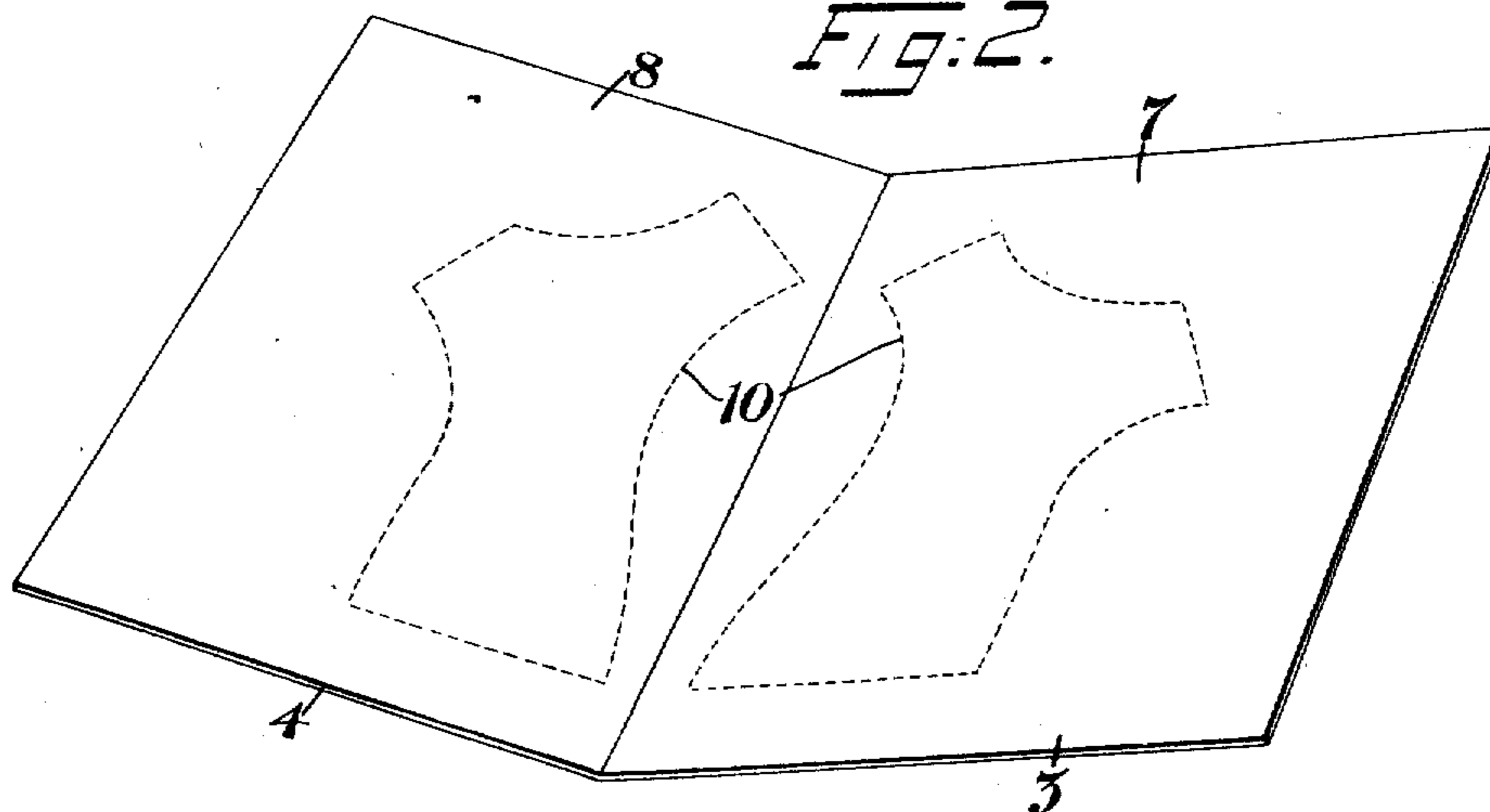
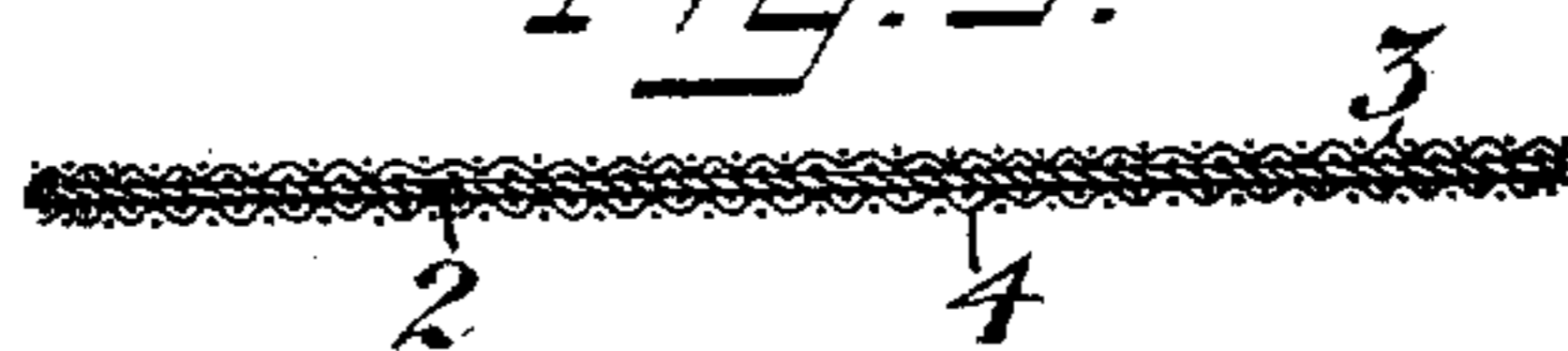


FIG. 3.



Witnesses

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CLOTH-TRANSFER SHEET.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, KATHRYN M. KAYE, a citizen of the United States, residing in New York, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Cloth-Transfer Sheets, of which the following is a specification.

The present invention relates to cloth transfer sheets, the object of the invention being to provide an improved transfer sheet which may be used between layers of cloth or other similar fabric without injury thereto, and by means of which the pattern or design when marked off from the pattern on the upper layer of cloth will be transferred by means of this improved sheet to the underside of the upper layer and the upper side of the lower layer of cloth, or other material between which the transfer sheet is laid, whereby at the same marking or tracing the upper and under layers will be accurately marked, thereby to provide right and left portions at the same time.

In the drawings accompanying and forming part of this specification, figure 1 illustrates a piece of cloth folded with this improved transfer sheet therebetween and a pattern laid on the top layer of cloth in readiness to be traced or marked off; Fig. 2 illustrates the cloth opened up, showing the right and left portions of the pattern traced thereon; and Fig. 3 is a sectional view of a fold of cloth with this improved transfer sheet therebetween.

Similar characters of reference indicate corresponding parts throughout the figures of the drawing.

It is highly desirable in the manufacture of garments that the rights and lefts of the pattern fit accurately together and also that wherever a design or other ornamentation is to be marked off on one portion of the garment the duplication of this, wherever such duplication is used, shall be as accurately traced off on the other portion of the garment and in the same location. But in practice this result is not always obtained, since, for instance, if an ornamentation is being marked off from a pattern on one portion of the garment and it is desired to duplicate this on another portion this duplication does not always come in the same location and is not always accurately marked, owing to slippage of the pattern or other causes; and furthermore, it is not always possible to trace

with accuracy, and it follows that the ornamentation at one side of a garment frequently differs in outline from that on the other side.

In order to avoid such disadvantages I have provided an improved cloth transfer sheet, which may be laid between the layers of cloth so that when the pattern or other ornamentation or design is traced by means of a suitable marker or tracer on the upper layer of cloth by following the outlines of the pattern this transfer sheet will transfer to the surfaces of both the top and under layers the pattern, so that when opened up the right and left of such pattern are obtained at one operation and both conforming accurately to each other in every detail.

This improved transfer sheet 2 is made up of a suitable cloth having the proper number of threads to the inch, or the desired mesh, and in practice I have found that linen or cotton cloth gives the best results. This material is treated by dipping it into or otherwise impregnating or applying to it a suitable mixture. This mixture may be applied by running the sheets through a vat containing it and between rollers to compress the mixture into the cloth. The mixture to which the cloth is subjected and which becomes absorbed thereby is made up of a suitable body of soapstone or chalk, or whiting, or clay, or lime or white lead, or other analogous material mixed to the proper consistency with water and a mineral or vegetable oil, such for instance as linseed oil, which mixture is compressed into the cloth in any suitable manner, and when so compressed therein the cloth is in condition, on drying, to readily transmit any design or pattern marked out to both surfaces of the cloth or other material between which it may be interposed, but without injury to the material on which the pattern is transferred. Moreover, the markings so transferred by this improved transfer sheet can be readily brushed off when desired, the marks lasting a sufficient time, however, to be used as guides for cutting or sewing.

Some of the mixtures which I have found to give good results when applied to the transfer sheet is a mixture of bees' wax, turpentine and powdered soapstone; or clay, white lead, linseed oil and oil of tar, or the oil of tar may in some cases be omitted.

When it is desired to trace or mark off a design or pattern on white or other light colored goods, the mixture may be pro-

vided with some suitable coloring ingredient, such as Prussian blue.

In the use of this improved transfer sheet the same is inserted between the layers of cloth 3 and 4, one sheet between each two layers, and obviously a number of layers, by duplicating the sheets, may have the pattern traced thereon at the same time. The pattern or design 5 is laid on the upper surface of the upper layer of cloth 3, and by the use of a suitable marker or tracer 6 the same is marked off, the pressure of which marker through the upper layer of cloth acts upon the transfer sheet in such manner as to transfer to the under surface 7 of the upper layer 3 and the top surface 8 of the lower layer 4 the desired reproduction 10 of the pattern, after which the same may be cut or sewed along the marked off portions.

From the foregoing it will be seen that this improved transfer cloth is in the nature of a duplex transfer sheet, in that it will impart impressions from both sides thereof at the same time.

In some forms of this improved transfer cloth I find it desirable to add to the mixture hereinbefore referred to a certain proportion of wax in a melted condition, which is mixed with turpentine for the purpose of keeping the wax melted, and these ingredients are then added to the other mixture and the whole applied in the manner hereinbefore set forth. The wax assists in preventing the other ingredients from rubbing off on the cloth.

I claim as my invention:

1. A duplex transfer sheet for marking on cloth comprising a single thickness of cloth impregnated with a fluid mixture comprising a pigment, water and oil, of a character which will permit the sheet to have direct contact with the cloth to be marked without injuring or besmearing such cloth and which will impart impressions from both sides thereof at the same time.

2. A duplex transfer sheet for marking on cloth comprising a single thickness of cloth impregnated with a fluid mixture compressed therein and capable of being closely engaged on both sides by the cloth to be marked without injuring or besmearing the fabric to be marked, and effective to impart impressions from both sides thereof at the same time.

3. A transfer sheet for marking on cloth comprising cloth impregnated with a fluid mixture compressed therein.

4. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising a pigment, water and oil.

5. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising powder, water, oil and a suitable coloring matter.

6. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising a vegetable oil and a powder.

7. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising soapstone and linseed oil.

8. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising soapstone, linseed oil and oil of tar.

9. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising powder, water, oil and wax.

10. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising powder, water, oil, wax and a suitable coloring matter.

11. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising soapstone, linseed oil and wax.

12. A transfer sheet for marking on cloth, comprising cloth impregnated with a fluid mixture compressed therein and comprising soapstone, linseed oil, wax and turpentine.

13. A transfer sheet for marking on cloth comprising cloth impregnated with a mixture comprising a pigment, water and oil, compressed therein and capable of being closely engaged on both sides by the cloth to be marked without besmearing or injuring the fabric to be marked and of imparting impressions from both sides thereof at the same time.

KATHRYN M. KAYE.

Witnesses;

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