W. M. CAVANAUGH.

LEATHER FABRIC.

APPLICATION FILED OCT. 23, 1914.

1,239,880. Patented Sept. 11, 1917.

Fig. 1

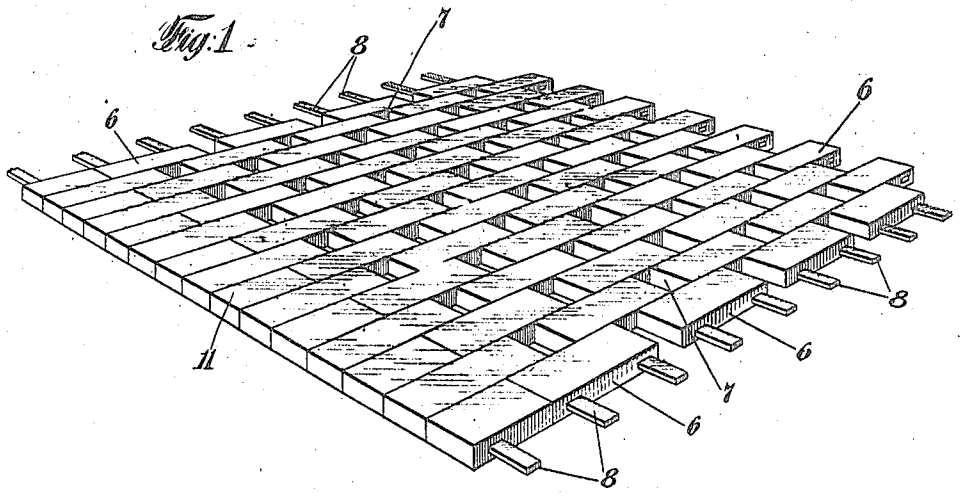


Fig. 2

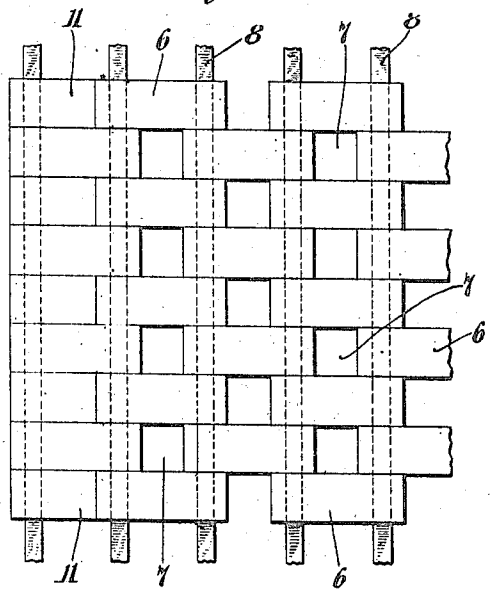


Fig. 4

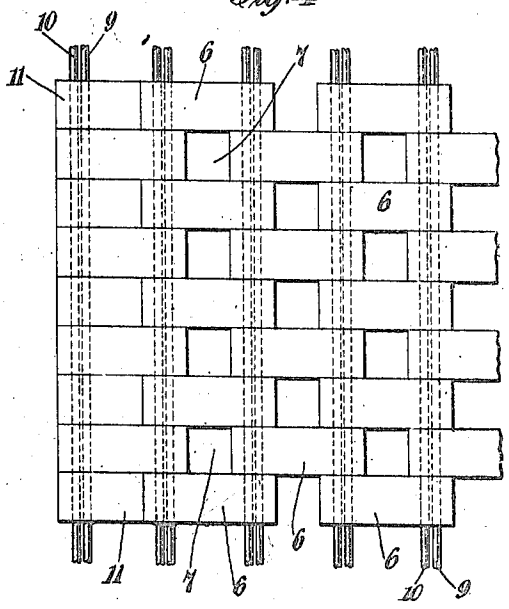


Fig. 3

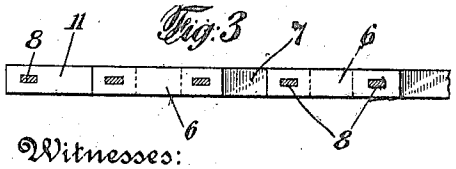
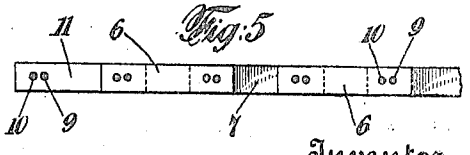


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM M. CAVANAUGH, OF ROSEBANK, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS, TO LEATHER PRODUCTS COMPANY, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

LEATHER FABRIC.

1,239,880. Specification of Letters Patent. Patented Sept. 11, 1917.

Application filed October 23, 1914. Serial No. 868,188.

To all whom it may concern:

Be it known that I, WILLIAM M. CAVANAUGH, a citizen of the United States, and a resident of Rosebank, county of Richmond, and State of New York, have invented certain new and useful Improvements in Leather Fabrics, of which the following is a specification.

My invention relates to an improved leather fabric. The main object of my invention is to provide an improved fabric in which small pieces of leather and poor leather, which commonly go to waste, may be utilized in the making of a fabric suitable for chair seats, chair backs, baskets and many other purposes. A further object is to produce a fabric composed of small pieces of leather, having considerable elasticity or springiness, and one which will efficiently hold its shape. Further objects, features and advantages will more clearly appear from the detailed description given below, taken in connection with the accompanying sheet of drawings, which forms a part of this specification.

In the drawing, Figure 1 is a perspective view of a portion of a fabric embodying my invention in its preferred form. Fig. 2 is a plan view of a portion of the fabric. Fig. 3 is a transverse section thereof. Fig. 4 is a plan view of a portion of fabric illustrating a modified form and Fig. 5 is a transverse section of the arrangement of Fig. 4.

Referring to Figs. 1, 2 and 3,—6, 6 represent small elongated pieces of leather which may be obtained from very small pieces of scrap or poor leather, or imperfect pieces of leather, which would otherwise go to waste so that the grain of the leather runs parallel with the faces of the pieces of leather shown in Figs. 2 and 4. The pieces of leather 6 are arranged in staggered relation, being preferably spaced from one another at their ends to form spaces or apertures through the fabric, between their ends, as shown at 7. The pieces of leather 6 are secured together by means of flat flexible metal strips 8, passing transversely through holes in the ends of the elongated pieces of leather 6 and therefore parallel with and under the grain of the leather, the strips 8 being substantially parallel with one another, so that each strip passes first through one end of one piece of leather and then through the opposite end of the adjoining piece of leather, &c. By using flat strips of metal, the strips tend to prevent relative movement in any direction of one piece of leather relative to the other pieces on the same strip, whereby the fabric is given a springy effect. At the edges certain of the end pieces at 11 may be made to closely abut the interior pieces 6, if desired, without providing intermediate spaces or apertures 7 at these points.

In the modification shown in Figs. 4 and 5, instead of using flat metal strips 8, two wire strips 9 and 10 are passed through holes in the leather pieces 6 in substantially the same manner as the flat strips 8. The two wires 9 and 10, like the flat strips 8, tend to prevent relative movement of the pieces of leather 6 with respect to one another.

From the above it will be seen that I have provided an especially simple and efficient fabric, in which waste pieces of leather may be utilized to form chair seats, chair backs, baskets, and many other useful articles, and which is pleasing in appearance as well as cheap and efficient in manufacture and use.

Although I have described my invention with respect to certain preferred embodiments thereof and in great detail, nevertheless, I do not desire to limit it to such details, except as clearly specified in the appended claims, since many changes and modifications may be made without departing from the spirit and scope of my invention in its broader aspects.

Having fully and clearly described my improvements, what I desire to secure by Letters Patent is:—

1. A fabric composed of small pieces of leather arranged in staggered relation and secured together by metal strips passing therethrough.

2. A fabric comprising small elongated pieces of leather arranged in staggered relation and secured together by flexible metal strips passing therethrough.

3. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein.

4. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein, and so disposed with respect to one another as to provide spaces or apertures in the fabric between the ends of the leather pieces.

5. A fabric composed of small elongated pieces of leather arranged in staggered relation and spaced from one another at their ends and secured together by flexible metal strips passing therethrough.

6. A fabric composed of small elongated pieces of leather arranged in staggered relation and spaced from one another at their ends and secured together by flexible metal strips passing transversely through the ends of the leather pieces.

7. A fabric composed of small elongated pieces of leather arranged in staggered relation and spaced from one another at their ends and secured together by flexible metal strips passing transversely through the ends of the leather pieces, each strip passing first through one end of one piece and then through the opposite end of the adjacent piece.

8. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein, each strip passing first through one end of one piece and then through the opposite end of the adjacent piece.

9. A fabric composed of small elongated pieces of leather arranged in staggered relation and spaced from one another at their ends and secured together by flexible metal strips passing transversely through the ends of the leather pieces, each strip passing first through one end of one piece and then through the opposite end of the adjacent piece, said strips tending to prevent relative movement in any direction of one piece of leather relative to other pieces on the same strip to give the fabric a springy effect.

10. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein, said strips tending to prevent relative movement in any direction of one piece of leather relative to other pieces on the same strip to give the fabric a springy effect.

11. A fabric comprising small elongated pieces of leather arranged in staggered relation and secured together by flexible metal strips passing therethrough, each strip passing first through one end of one piece and then through the opposite end of the adjacent piece.

12. A fabric comprising small elongated pieces of leather arranged in staggered relation and secured together by flexible metal strips passing therethrough, said strips being flattened so as to tend to prevent relative movement of the pieces with respect to one another.

13. A fabric comprising small elongated pieces of leather arranged in staggered relation and spaced from one another at their ends, and secured together by flexible metal strips passing therethrough.

14. A fabric comprising small pieces of leather secured together by substantially parallel metal strips passing through holes therein, the strips being connected together by the pieces of leather.

15. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein in a plane substantially parallel with the grain of the leather.

16. A fabric comprising small pieces of leather secured together by metal strips passing through holes therein under the grain of the leather.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

WILLIAM M. CAVANAUGH.

Witnesses:
GORHAM CROSBY,
EDWIN SEGER.