May 13, 1930. M. E. BENDELARI 1,758,186

METHOD OF PRODUCING RAISED DESIGNS ON THE SURFACE OF ARTICLES MADE FROM LEATHER OR THE LIKE

Filed May 1, 1929 2 Sheets-Sheet 1

Fig. 1.

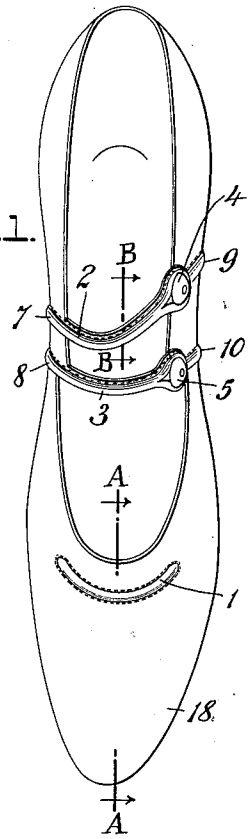


Fig. 2.

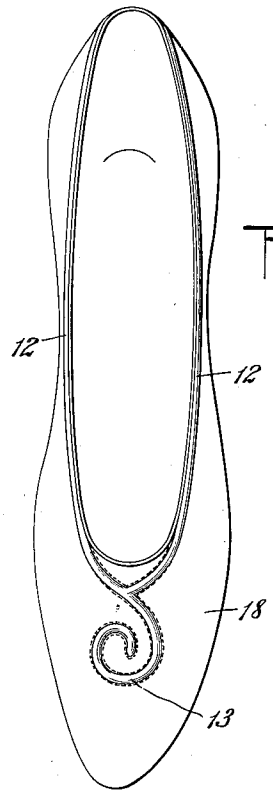
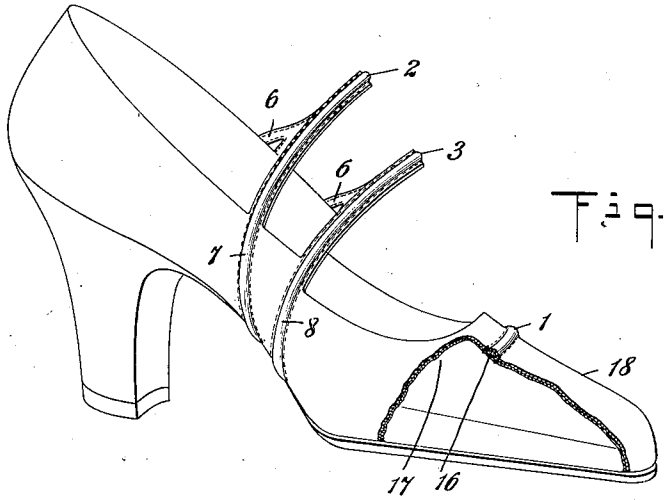


Fig. 3.



INVENTOR
Mary E. Bendelari
BY
Darby & Darby
her ATTORNEYS

May 13, 1930. M. E. BENDELARI 1,758,186

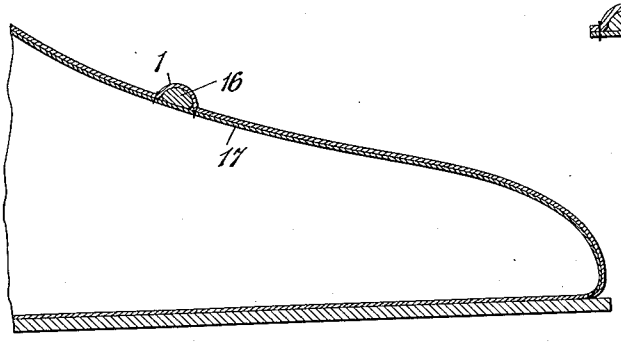
METHOD OF PRODUCING RAISED DESIGNS ON THE SURFACE OF ARTICLES MADE FROM LEATHER OR THE LIKE

Filed May 1, 1929 2 Sheets-Sheet 2

Fig. 5.



Fig. 4.



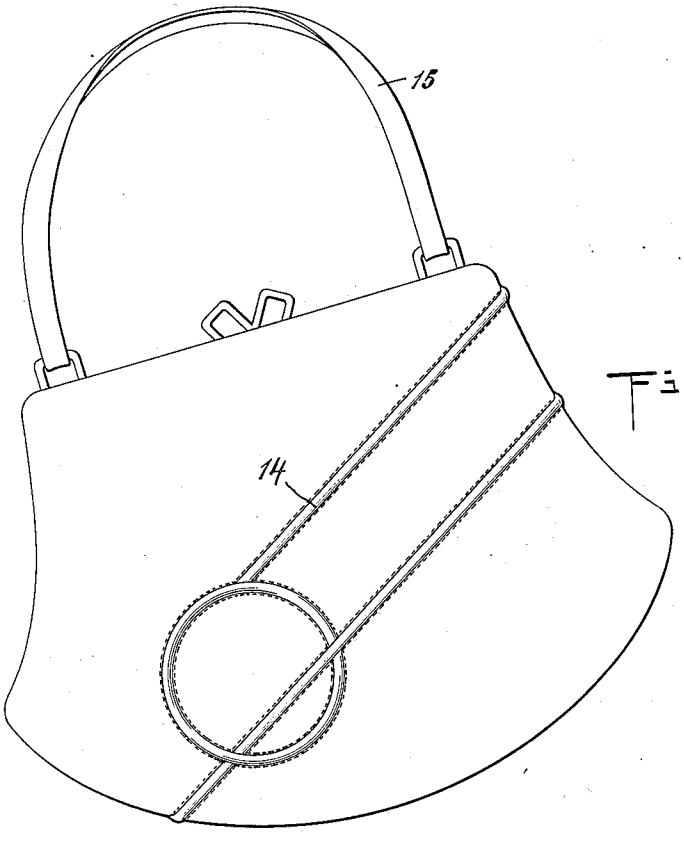


Fig. 6.

Mary E. Bendelari INVENTOR

BY Darby & Darby her ATTORNEYS

Patented May 13, 1930

1,758,186

UNITED STATES PATENT OFFICE

MARY E. BENDELARI, OF NEW YORK, N. Y., ASSIGNOR TO SANDALARI, INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK

METHOD OF PRODUCING RAISED DESIGNS ON THE SURFACE OF ARTICLES MADE FROM LEATHER OR THE LIKE

Application filed May 1, 1929. Serial No. 359,484.

My invention relates to an improved method of producing raised designs on the surface of articles made from leather or like material.

The object of the invention is to provide a method whereby such raised designs may be produced by stretching portions of the material comprising the outside surface of such articles over a cording which is shaped into the desired design and then stitching the stretched outside material to a suitable lining along the edges of the design produced by the cording.

A further object of the invention is to provide a method of producing raised designs in leather articles in the above manner and at the same time strengthening the structure of the article at the points where the said design is produced.

Further objects of the invention will appear more fully hereinafter.

The invention will be readily understood from the following description taken in connection with the accompanying drawing, in which

Fig. 1 is a plan view of a ladies shoe showing raised configurations on the surface of the toe and side portions thereof which are examples of designs which may be produced by the method of my invention. This view further shows strap portions of the shoe which are also formed in accordance with the method of my invention.

Fig. 2 is a plan view of a similar shoe showing another example of a design which may be produced on the surface of the shoe by the method of my invention.

Fig. 3 is a perspective view in elevation of the shoe shown in Fig. 1, having a part of the toe portion thereof broken away.

Fig. 4 is an enlarged detail sectional view taken on the line A—A, Fig. 1, looking in the direction of the arrows.

Fig. 5 is an enlarged detail sectional view taken on the line, B—B, Fig. 1, of the strap portion of the shoe.

Fig. 6 is a side elevational view of a ladies' pocket book showing an example of a raised design which may be produced on the side surface thereof by the method of my invention.

For the purposes of illustration only, I have shown raised designs produced by the method of my invention applied to shoes and pocket books, but it is to be understood that the invention is not limited to the production of such design on the surface of the articles of this particular nature as the method can also be practiced in producing similar designs on the surface of any other article made of leather or similar material.

In connection with a shoe such as illustrated in Figs. 1, 2 and 3, it is well known that in the manufacture of such an article, the outside upper portion of the shoe is made of a soft, pliable piece of leather, which is cut to the desired shape and which has sewed to it or otherwise secured a suitable lining of leather or other material. The outside leather of the upper and its lining are then sewed to or secured in any well known manner to a sole.

In carrying out my improved method of creating raised designs on the outside surface of the upper part of a shoe during the manufacture of the upper, I place between the outside leather and the lining before these two parts are fastened together, a piece of cord which is of a desired thickness and length to produce the desired design. I then arrange the piece of cording between the outside leather and the lining, in the shape of the design desired and stretch the outside piece of leather over the cording, so that a raised surface is produced at the point where the cording is placed. I then stitch the outside leather to the lining around the entire outline of the raised surface produced by the cording and close to and on both sides of said cording. The stitching of the outside leather to the lining in this manner stretches

the leather over the cording and produces a raised or molded design on the surface of the upper part of the shoe.

If a crescent design such as is illustrated at 1 in Figs. 2 and 3 is desired to be created on the surface of the toe portion a piece of cording 16 of the proper length and thickness is inserted between the outside leather 18 and the inside lining 17 and arranged in a crescent shape. The outside leather 18 is then stretched tightly over the cording and is stitched to the lining around the edges of the raised portion created by the cording. This stitching produces the desired raised crescent design on the outside surface of the shoe and the inner lining is not distorted or raised by the cording and will present a smooth, flat surface to the foot of the wearer.

In the same manner if it is desired to produce a raised design on the surface of a shoe, of the character illustrated in Fig. 2, the cording is cut so that it will be of a length to extend around the edge of the opening of the upper as at 12 and also down to the toe portion to form the design 13. The cording is then arranged or placed between the outer leather 18 and the lining in the shape of the desired design and the parts are stitched together around the edges of the raised portion created by the cording in the same manner as described above, and the raised or molded design indicated in Fig. 2 on the surface of the shoe is thus created.

It will be observed that in the raised design created by my method in the case of the shoe shown in Fig. 2 of the portion 12 of the raised or molded effect created by the cording 16, is along the edge of the opening of the upper portion of the shoe and in addition to enhancing the appearance of the shoe along this edge, the cording also serves to reinforce or strengthen this part of the shoe and to prevent the shoe from losing its shape at the opening.

Also in Figs. 1 and 3, the shoe is shown with leather straps 2 and 3 which are formed from the same pieces of leather and lining from which the upper of the shoe is cut. In forming the straps 2 and 3, pieces of cording 16 are inserted between the outside leather 18 and the lining 17 of the upper portion of the shoe at the points 7 and 8 and said cording is extended so that it will be of the same length as the leather and lining of the straps and so it can also be shaped to form the eyelets 6.

The upper leather 18 is then stretched over the cording along the portions 7 and 8 and along the length of the straps 2 and 3 and is stitched to the lining in the same manner as above described, so that a raised or molded design is produced at the points 7 and 8 on the side of the shoe and the straps are formed with a molded upper part and a flat under portion. The other side of the shoe at the same location may be provided with raised or molded portions 9 and 10 to correspond to the molded portions at 7 and 8, and which are produced in the same manner. It will be seen that by the employment of my method in producing raised or molded effects in the shoe as shown in Figs. 1 and 3, the raised portions at 7, 8, 9 and 10 by reason of the stiffening effect of the cording in the shoe at these points produces a strengthening or supporting of the shoe at the instep thereof which is highly desirable. Also the straps 2 and 3 are not only made more pleasing in appearance but are made of unusual strength because of the reinforcement thereof by reason of the cording which is sewed between the outside leather and the lining.

In Fig. 6 which is illustrative of a raised design for a pocket book which may be produced by my improved method, the same procedure is carried out in producing said design. A piece of corded material is placed between the outside leather and a suitable lining and arranged into the design illustrated at 14 and the outside leather is stretched over the cording and stitched to the lining around the raised design caused by the cording under the outside leather. In an article of this character the handle 15 may also be made in accordance with the method of my invention by cutting two pieces of leather to the shape and length of the handle and inserting a piece of cording between the two pieces of leather and stitching the upper leather to the lower around the edges of the cording.

It will be obvious that there are many ways my improved method may be employed to produce raised or molded effects on the surface of leather articles and also to produce strengthening or supporting parts to the article itself in carrying out the desired design and I do not wish to be understood as limiting my invention to the method of producing the designs and strengthening parts illustrated in the drawings.

Having thus described my invention what I claim and desire to secure by Letters Patent is:

1. The herein described method of producing raised designs on shoe uppers having an inner and outer ply with the outer ply being of stretchable material which consists in arranging a piece of cording in a predetermined design between the outer and inner ply of the shoe, and stretching the outer ply over the cording as so arranged in a predetermined manner and then stitching the outer ply, while in such a stretched condition, to the inner ply around the edges of the design created by the cording.

2. The herein described method of producing raised designs on shoe uppers made of leather or like material and having inner and outer plies, the outer ply being of stretchable character which consists in arranging a

piece of cording in a predetermined design between the outer ply of the upper and the inner ply thereof at a point where it is desirable to strengthen or form a support for said upper, and stretching the outer ply over the cording as so arranged and then stitching the outer ply, while in such stretched condition, to the inner ply around the edges of the design created by the cording.

In testimony whereof I have hereunto set my hand on this 19th day of April A. D., 1929.

MARY E. BENDELARI.