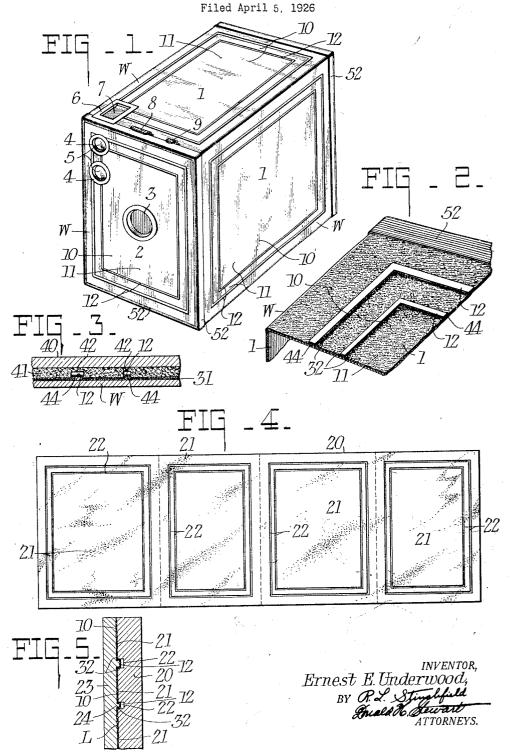
DECORATIVE COVERING FOR CAMERAS AND PROCESS FOR PRODUCING SAME



## UNITED STATES PATENT OFFICE.

ERNEST E. UNDERWOOD, OF ROCHESTER. NEW YORK, ASSIGNOR TO EASTMAN KODAK COMPANY, OF ROCHESTER, NEW YORK, A CORPORATION OF NEW YORK.

DECORATIVE COVERING FOR CAMERAS AND PROCESS FOR PRODUCING SAME.

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of decorative coverings for cameras. One object is to provide a camera covering with panels outlined by embossed, outstanding bands. Another object is to provide a pebbled, grained or roughened surface between the outlining bands. Another object is to provide a camera covering in which the outlining bands are permanently raised above the surface of the covering. Another object is to provide two distinctly different surfaces for the camera covering, one for the outlining bands and another for the remainder of the camera covering. Another 15 is to provide a process for producing the camera covering. Another object is to provide a process for applying the covering to the camera, and other objects will appear from the following specification, the novel 20 features being particularly pointed out in the claims at the end thereof.

It has been common practice to decorate camera coverings of leather and imitation leather by means of bands outlining panels etc. These outlining decorative markings have been impressed into the material with suitable tools such as a heated die. The lines thus formed constitute grooves in the material, and when a leather grained sur-face is used the die tends to squeeze out like reference characters denote like parts the grain, so that the markings present a

smooth depressed portion.

The effect of such marking depends entirely upon the thickness of the material. 35 For instance a good grade of leather covering for cameras consists of leather stock .040" to .050" thick. The markings are frequently impressed at least .030" into the material, thus effectually removing the grain 40 of the leather and providing a groove the increase the contrast of the markings, thus enhancing the effect of the design.

With artificial leather the paneling has 45 not been entirely satisfactory, because even very thick material is provided with a more or less resilient backing, so that it is not possible to obtain deep grooves, and without them the grain usually is apparent, thus reducing the desired contrast. Moreover, thick imitation leather is very costly. Thin material, such as is ordinarily supplied to the trade, may be obtained from openings 4 for the finder lenses 5. Two .010" to .015" thick. Such material, if side walls may have a frame 6 (only one

This invention relates to the production treated as above described for leather, yields 55 unsatisfactory results, since the lines can not be impressed so as to obliterate the surface graining, and the depth of such lines must be very slight, say .005", so that substantially no grooves result, and no shadows 60 result, so that by the known methods, relief effect of the panelling is not obtained.

> My invention is directed to overcoming these difficulties, and to the production of a decorative camera covering with thin ma- 65 terial, especially material such as .010" thick

imitation leather for cheap cameras.

My invention broadly consists in graining, embossing or roughening only that part of the material which is to appear in that con- 79 dition in the final article, and embossing or raising up in relief the outlining bands. In this way no change of surface is made in the embossed lines, the roughening extends right up to the edges of the embossed 75 lines; and, being raised, the lines stand out in relief, produce shadows and a much more striking appearance than can otherwise be obtained. I generally prefer to emboss the material relatively high. This gives the 80 effect of a heavy or thick covering even though very thin material is used.

throughout:

Fig. 1 is a perspective view of a camera decorated with a covering made in accordance with and illustrating one embodiment of my invention;

Fig. 2 is an enlarged fragmentary detail 90

of a portion of the camera covering;

Fig. 3 is a detail section of a portion of the covering applied to a camera;

Fig. 4 is a plan view of a typical decoratdepth of which will cause shadows which ing plate upon which the side covering for 95 the illustrated camera may be made; and

Fig. 5 is a fragmentary detail section through a portion of the plate shown in Fig. 4, with a cover in place being decorated.

In the embodiment illustrated in Fig. 1 100 a simple type of box camera is decorated with a covering made in accordance with my invention. This camera may comprise a box having walls designated broadly as W, such as side walls 1, and end walls 2. One end 105 2 1,613,365

in which the view may be composed. The in their raised position in which they define usual shutter operating levers 8 and 9 may

extend up through the side walls.

artificial leather the body 10 of which is grained or roughened in any desired pattern, and which is divided into decorative panels 11 by lines 12 which are raised up 10 or embossed. These lines are preferably smooth and are ungrained and produce a contrast with the roughened or grained body portion 10. Standing well above the grained material they produce the appear-15 ance of a thick covering.

The covering for the camera is made as follows: Suitable die-plates are provided, such as plate 20, which have a surface 21 grained or roughened as desired, and in 20 which grooves 22 are cut corresponding in width to the desired width of the panel outlining bands 12. This plate is set in a press and a heavy sheet of prepared fiber board 23, Fig. 5. is contacted with plate 20 under 25 heavy pressure, thus forming a punch 24. Plate 20 may be heated to a suitable temperature for the material employed, and the punch and die thus formed are ready for

A sheet of covering material such as thin artificial leather L is then taken and placed between the punch and die which are then subjected to pressure. This roughens or grains the body portion 10 and forces the 35 line portions into grooves 22. Since the original material preferably had a smooth glossy or shiny surface, these characteristics are preserved in the bands or lines 12.

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It is important to note that the graining 40 extends right up to the base 32 of the lines 12 and a sharp line between the two surfaces is thus formed, thus enhancing the looks of the panels. The lines 12 being ungrained have different light reflecting characteristics 45 from the grained body of the covering. The height of the embossings gives the appearance of a relatively thick covering material.

In order to preserve the embossed lines 12. I cover the camera in the following man-The back 30 of the covering is covered with a suitable adhesive 31, such as heated glue, and the covering is placed without pressure on the camera. As shown in Fig. 55 3 the camera wall W lies in a plane and the embossings 12 are spaced from this plane. After the covering is applied the camera is placed in a press 40 preferably covered with felt 41 having cut-outs 42 registering with the embossed lines 12, and as pressure ings, and allowing the adhesive to harden. is applied moving part 40 towards wall W.

being shown) in which is mounted a glass 7 bossings 12, thus holding them permanently the panels 11.

It will thus be seen that I have produced This camera may be decorated with a thin a decorative camera covering of cheap thin 70 material which is embossed in relatively high relief so that the paneling of the design stands out. The height of the lines is such that their smooth top and side walls present a pleasing contrast to the roughened 75

or grained body covering.

It is desirable to reduce the wear on the embossed lines 12. This may be done by raising the edges 52 of the end walls 2 higher than the embossings 12 so that when so the camera is laid on a plane surface, the embossings 12 will not touch the plane. This can be done for the sides 2 alone if desired, because a camera of the shape illustrated is rarely laid on end. If desired, 85 these protective edges may be entirely omitted, although I prefer to include them as shown.

Obviously changes may be made in the panel design, graining and size location of 90 the outlining bands without departing from my invention, and I contemplate as within the scope of my invention all such changes as may come within the terms of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Let-

ters Patent is:

1. A decorative covering for cameras including a camera wall, a sheet of covering 100 material having a roughened surface, embossing in the material having a smooth surface contrasting to the roughened surface of the covering, a layer of adhesive for holding the covering on the camera, and ribs of 105 adhesive for supporting the embossings.

2. A decorative covering for cameras including a camera wall, a sheet of grained covering material, ungrained embossed lines formed in the material, and a layer of ad- 110 hesive for attaching the covering to the camera wall including portions of the adhesive of greater thickness than the major portion thereof, said thickened portions supporting the ungrained embossed lines where- 115 by the latter are permanently supported in place.

3. The process of producing a decorative covering for cameras which includes applying a covering having embossed decorations 120 to a camera wall with an adhesive between the wall and covering, applying pressure to the covering between the embossed areas whereby the adhesive may fill the emboss-

4. The process of producing a decorative the adhesive is squeezed beneath embossing covering for cameras which includes coating 12 as shown at 44. In this position the ad- an embossed covering with adhesive, applyhesive hardens, so as to form ribs for sup- ing the coating to the camera wall, applyporting the side and top walls of the em- ing pressure to the covering between the em1,613,365

bossings whereby the adhesive may fill the material, embossed areas on the covering embossings and allowing the adhesive to

5. The process of producing a decorative 5 covering for cameras which includes embossing areas and altering the reflecting characteristics of the area of the covering lying between the embossed areas, securing the covering to a camera wall, and supporting 10 the embossed areas by thickened areas of

6. The process of producing a decorative covering for cameras consisting of first, embossing lines on a relatively thin smooth to material, and roughening the surface between the lines; second, coating the prepared material with an adhesive and applying the same to a camera; third, pressing the roughened surface between the lines upon the and camera causing adhesive to fill the embossed portions of the covering and permitting the

adhesive to harden.

7. The process of producing a decorative covering on cameras including embossing 25 portions of a sheet of covering material, applying an adhesive to the material, applying the adhesive coated material to a camera, and pressing the unembossed area of said material on the camera whereby the adhesive 30 fills and embossed areas, and the embossings are permanently supported by hardened adhesive.

8. An article of manufacture comprising a camera, having walls decorated with a covering attached to a wall of the camera by an adhesive, said covering consisting of sheet

material, the embossed areas and the sheet material having different light reflecting characteristics, and an adhesive for holding 40 the covering on the camera wall, said adhesive being relatively thick at the embossed areas, whereby these areas are supported thereby.

9. In a decorated camera, the combina- 45 tion with a camera having end and body walls, each lying in a plane, of certain of these walls projecting beyond the plane of the other walls, and a decorative covering of substantially flat material having emboss- 50 ings thereon raised above the flat surface of the covering and fastened to the plane walls, the projecting walls being of such height that the embossed areas of the covering are

protected thereby.

10. In a decorated camera, the combination with a camera having a wall lying substantially in a plane, at least two edges of the wall being raised above the plane and decorative covering of substantially flat material having embossings raised above the flat surface of the covering attached to the wall lying in the plane, the raised edges of the camera being at least as high above the wall lying in the plane as the embossings 65 are, whereby said embossings are protected against contact with a flat surface when the camera may be laid thereon by the raised wall portions.

Signed at Rochester, New York, this 31st 70

day of March, 1926.

ERNEST E. UNDERWOOD.