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BLANK FOR EMBLEMS AND THE LIKE

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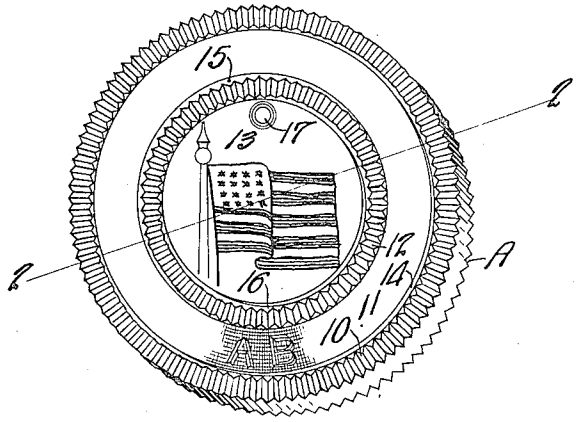


FIG. 1

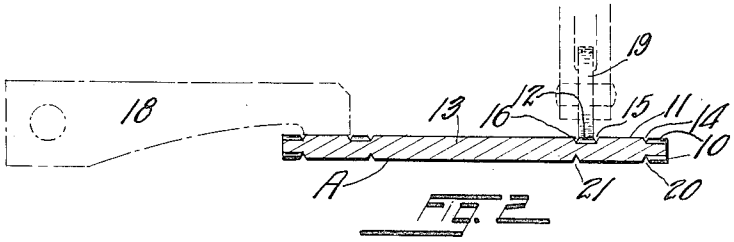


FIG. 2

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UNITED STATES PATENT OFFICE.

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BLANK FOR EMBLEMS AND THE LIKE.

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To all whom it may concern:

Be it known that I, GEORGE W. HEENE, a citizen of the United States, and resident of Cleveland, county of Cuyahoga, and State of Ohio, have invented a new and useful Improvement in Blanks for Emblems and the like, set forth in the annexed specification.

My invention relates to the structure and formation of blanks.

The object of my invention is a blank neatly formed, easy to manufacture, readily adapted for fixation or embossment thereon of lettering or pictures, or other representation, readily adapted to be engaged by the mechanism of a machine which accomplishes such fixation or embossment, and not easily distorted by such fixation or embossment.

A blank embodying the features of the present invention is shown in the accompanying drawing, but the blank so shown is not the only embodyment in which the present invention may be applied.

In the accompanying drawing, Fig. 1 is a general perspective view of a blank embodying the features of the present invention; Fig. 2 is a section on line 2—2 of Fig. 1 and also showing, in dot and dash lines, such portions of a machine which engage or operate on the blank.

In order to show the structure of the blank clearly, the drawing is executed on a scale larger than the actual size of the blank as usually made.

Similar reference characters refer to similar parts throughout the views.

In emblems or similar articles it is customary to manufacture the blanks and emboss thereon symbols or pictures or other representations of certain occasions and to provide a machine with which a name or other printing may be embossed on these blanks after they are manufactured.

In order that this machine may emboss such printing properly, the blank must be formed, in its first manufacture, so that the embossing type of the machine need not operate absolutely accurately when in operation.

It is noted that such machines, even if accurately made, are subject to wear and, above all, are subject to considerable change of temperature which causes expansion and contraction of the material of the parts of the machine and consequent dis-alignment. These machines are portable and are set up for operation in various places; for instance in the open air, at all seasons of the year, at fairs or similar outdoor affairs; or indoors at indoor bazaars or similar indoor affairs; these conditions under which this machine must operate cannot be eliminated; therefore it becomes necessary, or at least advantageous, to construct and form the blank in such a manner that any variation in the machine does not affect or mitigate the neatness of the emblem after the final embossing in the field is finished thereon.

It has been found that blanks, formed flat and without special provision, will warp or become otherwise deformed when this final field embossing is placed thereon.

The present invention aims to overcome these disadvantages by constructing and forming the blank in such a manner that the embossing dies do not encroach on any part of the blank other than the part intended and thereby preserve the appearance of the finished emblem, and by providing certain features thereon to prevent warping.

Such a blank is illustrated in the drawing as A and is, preferably, made of ductile material. Aluminum being preferred due to its lightness in weight.

This blank A has, on its front face, a row of serrations 10 along the outer surface; and also has the blank annular surface 11 adjacent to and inward of the serrations 10; and also has a second row of serrations 12 adjacent to and inward of the blank surface 11; and also has a circular blank surface 13 adjacent to and inward of the second row of serrations 12; and also has the V shaped groove 14 between the row of serrations 10 and the annular blank surface 11; and also has the V shaped groove 15 between the blank surface 11 and the second row of serrations 12; and also has the V shaped groove 16 between the second row of serrations 12 and the circular surface 13.

All of the serrations are of triangular formation and the high points thereof are slightly below the top of the surfaces 11 and 13.

The hole 17 is provided to permit of the suspension of the emblem.

On the back face it is preferred to provide serrations similar to the serrations 10 and disposed as the serrations 10 and also provide two V shaped grooves similar to and disposed as the grooves 14 and 16.

Due to the nature of the material of which

the blank is made and to the thickness thereof, it may be advantageous to provide the back face of the blank with serrations and grooves as shown on the front face or as indicated at 10 and 20 and 21 in Fig. 2.

The circular surface 13 may be embossed with a picture or other representation appropriate to a certain event or other representation as the American flag there indicated for instance.

After the blank is made up as set forth, it is placed into a machine adapted to emboss thereon either the name of the owner of the blank or other desired or selected lettering as the letters A—B shown for instance.

Such lettering is done by means of embossing types 18 mounted in the machine and selectively operated thereby.

It is noted that the V shaped grooves define this lettering to its proper place and, even if the type would strike a little ahead of or back of its proper place, no embossing will be formed on the adjacent surfaces.

The serrations may also be employed to feed and index the blank rotatively.

This is accomplished by the wheel 19 mounted on the machine in timed relation with the type mechanism and provided with teeth in its outer circumference adapted to engage these serrations, either the inner row as indicated in the drawing or in the outer row, so that a certain rotative movement of the wheel 19 produces a sufficient rotative movement of the blank to provide the necessary space for one letter.

It has been found that the serrations and grooves, as provided in the present invention, either precisely as shown, or in other combinations or dispositions, prevents warping of the blank when operated upon by the final embossing machine.

I am aware that modifications may be made in the structure as well as in the form of the blank and in the forms of the serrations and in the grooves as well as in the dispositions thereof; therefore without limiting myself to the precise construction and arrangement of the elements shown and described,

I claim:

1. A blank of the character described, comprising a circular flat body, a circular row of serrations embossed along the outer surface of the face of said body, a blank annular surface adjacent to and inward of said row of serrations, a circular depression adjacent to and inward of said annular surface, and a blank circular surface inside of said circular depression.

2. A blank of the character described having blank surface and a plurality of rows of serrations arranged to prevent distortion of said blank when said blank surface is subsequently embossed.

3. A blank of the character described, comprising a circular flat body, a circular row of serrations embossed along the outer surface of the face of said body, a blank annular surface adjacent to and inward of said row of serrations, a second circular row of serrations embossed on the face of said body adjacent to and inward of said blank annular surface and both of said rows of serrations arranged to prevent distortion of said blank when said blank surface is subsequently embossed.

4. A blank of the character described, comprising a circular flat body, a circular row of serrations embossed along the outer surface of the face of said body, a blank annular surface adjacent to and inward of said row of serrations, a second circular row of serrations embossed on the face of said body adjacent to and inward of said blank annular surface, a blank circular surface inside of said second row of serrations and both of said rows of serrations arranged to prevent distortion of said blank when said blank surfaces are subsequently embossed.

5. A blank of the character described comprising a flat body having a plurality of blank surfaces and a plurality of serrated surfaces defined by grooves, and the ends of the serrations of said serrated surfaces terminating into said grooves.

6. A blank of the character described, comprising a body, a circular row of serrations embossed along the outer surface of the face of said body, a blank annular surface adjacent to and inward of said row of serrations, a second row of serrations embossed on the face of said body adjacent to and inward of said annular surface, a blank circular surface inside of said second row of serrations, and the tops of said serrations below the tops of both of said surfaces.

GEORGE W. HEENE.