May 11, 1937. H. JAECKEL 2,080,317

JEWEL SETTING

Filed July 2, 1936

Fig. 1.

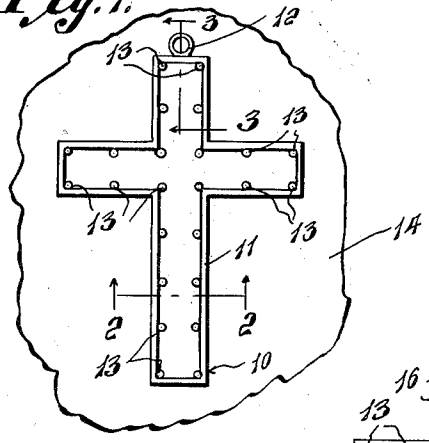


Fig. 2.

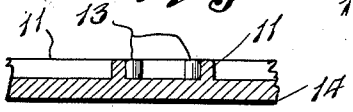


Fig. 3.

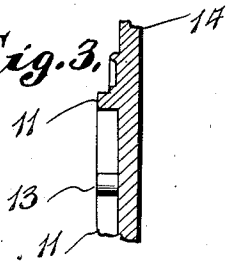


Fig. 4.

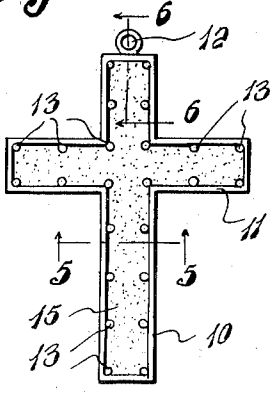


Fig. 5.

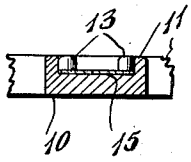


Fig. 6.

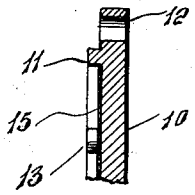


Fig. 7.

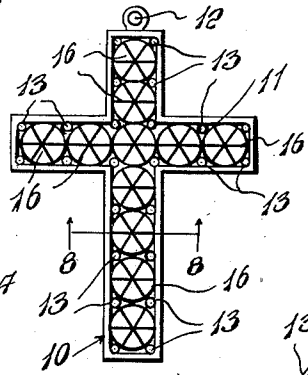


Fig. 8.

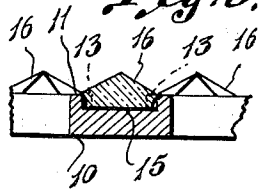


Fig. 9.

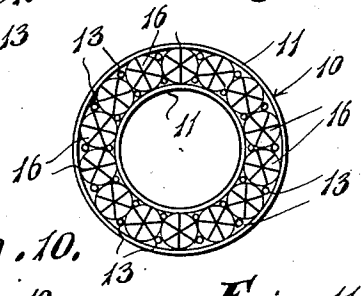


Fig. 10.

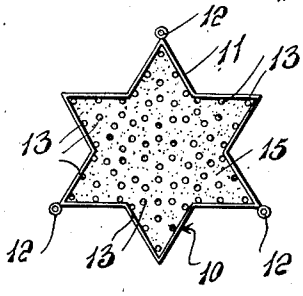
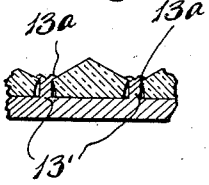


Fig. 11.



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Patented May 11, 1937 2,080,317

UNITED STATES PATENT OFFICE

2,080,317

JEWEL SETTING

Henry Jaeckel, North Attleboro, Mass.

Application July 2, 1936, Serial No. 88,659

1 Claim. (Cl. 63—28)

This invention relates to a method of jewel setting and to the article or mounting produced thereby.

It is particularly aimed to provide a novel structure whereby jewels may be mounted in clusters, preferably with the jewels or stones touching each other and with the mounting having integral lugs serving to position the jewels according to the selected design and also adapted to be higher than the border of the mounting or otherwise arranged so as to enhance the appearance of the setting, such lugs or pins, if desired, serving as fastening means for the stones or gems.

The more specific objects and advantages will become apparent from a consideration of the description following taken in connection with accompanying drawing illustrating an operative embodiment.

In said drawing:—

Figure 1 is a view showing an article or mounting in original form;

Figure 2 is a cross sectional view taken on the line 2—2 of Figure 1;

Figure 3 is a vertical sectional view taken on the line 3—3 of Figure 1;

Figure 4 is a view similar to Figure 1 but showing glue or other binding agent in place preparatory to mounting the gems or stones;

Figure 5 is a cross sectional view taken on the line 5—5 of Figure 4;

Figure 6 is a vertical sectional view taken on the line 6—6 of Figure 4;

Figure 7 is a front elevation of the completed article in one suggested design;

Figure 8 is a cross sectional view taken on the line 8—8 of Figure 7;

Figure 9 is a front elevation of a second form of article;

Figure 10 is a front elevation of another form of mounting for an article, and

Figure 11 is a cross sectional view through a modifie dform.

Referring specifically to the drawing wherein like reference characters designate like or similar parts, a mounting is shown as at 10. For purposes of illustration, this mounting is cruciform but it is obvious that it may be made in any form desired since the invention is not limited to the particular design or form.

The mounting is made in a single piece, usually by stamping from sheet metal as shown in Figure 1, although it may be cast if preferred. Such stamping of the metal provides the mounting of cruciform shape with a continuous border wall at 11 and preferably with an eyelet 12 whereby it may be connected to a chain or the like.

In addition, a multiplicity of pins or lugs 13 are produced at right angles to the main plane of the article and which lugs or pins 13 preferably are higher or extend outwardly beyond the said border wall 11. The stamping shown in Figure 1, contains a surplusage or web of material as at 14 which is cut off in any suitable manner at the margin of the cross or other article 10.

With the mounting in its trimmed condition, glue or other adhesive or binding material as at 15 is applied to that surface of the article from which the pins 13 rise, and gems or stones as suggested at 16, are arranged in the mounting intermediate four of the projections 13, which will adhere to the mounting because of the binding material 15. If desired, the binding material may be applied to each individual gem before the gems are set in the mounting. It will be noted, that the gems engage the adjacent four projections, lugs or pins 13, and that the latter preferably extend above the border wall 11 and above the plane from which the exposed surfaces of the gems are tapered or cut. As a result, a very pleasing and ornamental design is produced.

As explained, the form, design or configuration of the article itself constitutes no part of my invention and that the invention is not to be so limited. For instance, another form or design is shown in Figure 9 and the same reference numerals as used in connection with the preceding figures have been applied thereto.

Still another form of the invention, namely a six pointed star is suggested in Figure 10. This form bears the same reference numerals as the preceding form but shows that the pins 13 may be arranged different distances apart in case different gems are used.

Instead of relying upon a binder 15, the lugs or pins 13 at their upper ends may be upset or bent over the gems as shown in Figure 11, the pins here being designated 13′ and their upset portions designated 13^a. Otherwise, the structure is the same as in the preceding forms.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

I claim as my invention:—

In combination, a mounting comprising a plate, gems having flat bottoms in contact with and adhered to said plate, and pins integral with the plate providing spacing and retaining elements engaged by the gems, adjacent gems engaging each other, said pins being upset against the gems to secure them to the mounting, a continuous border integral with the mounting disposed about the gems and contacting the adjacent gems, said pins being higher than the border.

HENRY JAECKEL.