This invention relates to the ornamentation of toys, such as dolls and the like, but more particularly to the articulating limbs of such toys, which are made from plastic material.

An object of the invention is to provide a method for fixing an ornament in articles made from plastic material while the article is being moulded.

Another object of the invention is to provide a metallic band having means, whereby it may be securely positioned into the plastic material while it is moulded and thus anchored after the plaster is dried or heated into the desired hardness. This ornamental band also has means for the mounting of jewels or similar ornaments.

With these objects in view, it will be understood, that the invention can be applied to any portion of the doll while moulding the plastic substance and it is securely fixed to the substance, by partly embedding the annular portion of the ornament in the substance before it is set. Furthermore in this invention, the ornament, such as a ring or bracelet is equipped with a device whereby a stone or similar ornaments may be attached thereto, after the substance has hardened.

In this invention the doll will have the appearance of having the fingers or wrists adorned by rings or bracelets into the mounting or setting of which may be glued or cemented jewels, ornaments or the like.

The invention is more fully described in the following specification and claims, reference being made to the accompanying drawings in which:

Fig. 1 represents a perspective view of a portion of a doll's arm embodying this invention.

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1 on an enlarged scale.

Fig. 3 is a plan view of the ring showing the stone removed and

Fig. 4 is a horizontal section on the line 4—4 of Fig. 2, showing the metallic band partly embedded into the plastic material.

In the drawings, the numeral 10 designates a doll's arm, but it will be understood that the invention could be applied to any other portion of the doll. Referring to Fig. 4 it will be seen, that the face portion of the annular member 11 is exposed somewhat beyond the periphery of the finger and has its back partly embedded in the plastic material 12, giving the annular member 11 the appearance of a ring.

The annular member of the finger ring 11 has at its upper portion a cup-shaped depression or cavity 13 formed in the said band, as indicated in Fig. 2. The lower portion of a same has projecting ends 14 bent inwardly, forming an integral part of the annular member 11. The ends of these projecting members 14 are slightly curved at 15 so as to prevent the annular member 11 from shifting in any direction. The depression 13 in the annular member 11 serves as a receptacle for a jewel, stone or similar ornaments 16 as indicated in Fig. 2. Said ornament is preferably fastened in the cavity 13 by means of glue, cement or other adhesives 17 thereby holding it firmly in place so as to surmount the ring.

It will be understood that in arranging a bracelet around the wrist, that one or more depressions 13 may be made in the annular member 11, for the reception of a plurality of jewels or ornaments 16, as indicated in Fig. 1. The annular member 11 of course will be secured or anchored into the arm, in the same manner as the ring, as before described.

The mould into which the arm is to be formed, is prepared as follows: At the predetermined place or places where it is desired to apply the ornamentation, a shallow groove is first routed out in the mould, so that just about half the thickness of the annular member 11 is embedded and wide enough, so that the member will fit snugly into the groove.

It will be understood that any number of the annular members can be inserted into the mould at the same time and positioned in the grooves. The mould is then filled with plastic material and allowed to dry by baking or firing. In the finished article, it will be seen that the lugs 14 as well as the cup-shaped depressions 13 will hold the annular
members 11 relative to the doll member to which it is fixed. It will also be seen that the annular member 11 is exposed somewhat outside the finger or wrist, giving the appearance of a ring or bracelet into which may be fastened the jewels or ornaments as before described.

We claim:

1. A doll made of a plastic substance comprising an annular member adapted to encircle a limb of a doll, said member having a portion thereof indented to form a cavity, said indented portion being embedded in the plastic substance, an ornament cemented in the cavity, said annular member having ends projecting into the plastic substance for immovably fastening the annular member to the limb of the doll.

2. A doll made of plastic substance comprising an annular member adapted to encircle a limb of a doll, said member having a portion thereof indented to form a cavity, said indented portion being embedded in the plastic substance, an ornament cemented in the cavity, said annular member having ends projecting into the plastic substance opposite the cavity, the terminals of the ends being bent outwardly for immovably fastening the annular member to the limb of the doll.

Signed at New York, in the county of New York and State of New York, this 28th day of February, A. D. 1928.

EMIL KIMMIG.

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