Dec. 2, 1930. E. I. DAUER 1,783,223

ORNAMENTAL DEVICE

Filed July 19. 1929

Fig. 1

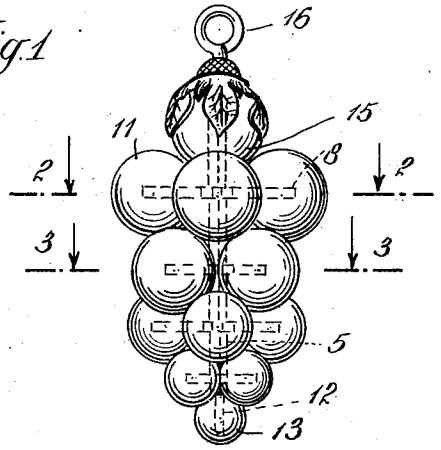


Fig. 4,

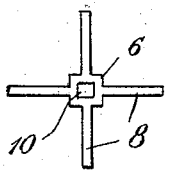


Fig. 2,

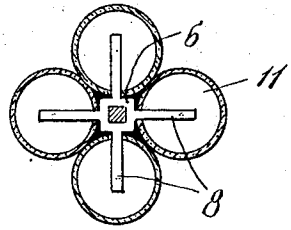


Fig. 5,

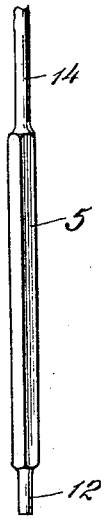


Fig. 4, a

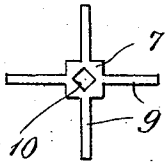
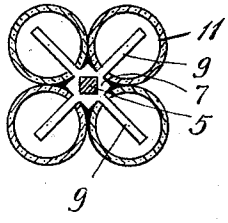


Fig. 3,



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UNITED STATES PATENT OFFICE

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ORNAMENTAL DEVICE

Application filed July 19, 1929. Serial No. 379,422.

This invention relates to ornamental devices applicable more particularly to jewelry such as pendants, earrings and the like, although it may be employed for general ornamental purposes.

Ornamental devices have been produced heretofore by mounting beads on arms of varying lengths and arranging the arms on a central support such as a rod or pin of circular cross-section. The arms are rotatable on the central support, and consequently the beads may be moved so that after being arranged the ornamental device may lose the desired configuration, thus destroying the design. Furthermore, the assembling of the structure involves handling a multiplicity of very small parts, and the cost of the ornament is correspondingly increased.

It is the object of the present invention to simplify ornamental devices, to provide a structure in which arms carrying beads or the like are arranged on a central support in non-rotatable relation thereto, and particularly to facilitate the assembling of such ornamental devices.

In accordance with the invention, I employ preferably a central support and a plurality of spiders, each having two or more arms. Generally four arms are provided. With such a structure, the beads or other ornaments may be mounted readily on the arms of the spiders, and the latter may be assembled upon the central support. The number of pieces to be handled is reduced materially, and the ornament is assembled with greater facility.

I prefer, moreover, to avoid rotation between the arms carrying the beads or other ornaments and the central support. Consequently I employ a central support, the cross-section of which is not circular, the arms carrying the beads or ornaments being provided likewise with co-operating openings so that the arms can be slidably mounted on the central support but cannot be rotated thereon. As will be readily understood, the cross-section of the central support may be triangular, square, hexagonal, octagonal, or it may be generally circular with one or more squared sides, or otherwise of such form as to preclude rotational movement of an arm having a corresponding opening on the support. To facilitate manufacture of the device, I prefer to employ a central support of square cross-section, ordinarily a wire drawn in that form. I also prefer to utilize a plurality of spiders each having four arms, and a square opening of such size as to permit the spider to slide readily on the central support.

It will be readily understood that if the axes of the openings in successive spiders correspond, the beads or other ornaments on the arms will lie directly under each other when the spiders are assembled on the central support. In some forms of ornaments this is undesirable, it being necessary to stagger the beads or ornaments in order to afford the desired conformation. For this purpose I provide spiders with openings having axes disposed at angles of 45° preferably with relation to each other. When a succession of spiders with the axes of the openings thus arranged are mounted upon a central shaft or support in non-rotatable relation thereto, the beads or other ornaments will appear in staggered relation. Obviously other angular relations between the axes of the openings may be utilized, depending upon the particular design which is being developed.

The invention will be better understood by reference to the following detailed description in connection with the accompanying drawing, in which—

Fig. 1 is an elevation of an ornament embodying the invention;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Fig. 3 is a section on the line 3—3 of Fig. 1;

Figs. 4 and 4ª are details in plan of the spiders, and

Fig. 5 is an elevation of the central support.

Referring to the drawing, I have illustrated a preferred form of the invention as applied to an ornament having the conformation of a conventional bunch of grapes. It consists of a central support 5 which is preferably square in cross-section, and a plurality of spiders 6 and 7 having arms 8 and 9 and a central opening 10 which is square to conform to the central support 5. The arms 8 and 9 carry beads 11 which are cemented or

otherwise secured thereto. The arms of the successive spiders are of varying lengths, and the axes of the openings 10 therein are arranged at angles of 45° so that when the spiders are mounted on the central support 5 the beads 11 are disposed in staggered relation to afford the conventional appearance of a bunch of grapes, as illustrated in the drawing. The lower end of the central support 5 is provided with a short extension 12 of circular cross-section adapted to receive a bead 13, and at the upper end a similar extension 14 is adapted to receive a bead 15 and to be bent into the form of an eye 16 whereby the ornament may be suspended.

It will be understood that in assembling the ornament the several spiders carrying the beads on their arms are arranged on the central support, the angular positions of the arms of the spiders being fixed by the relative relation of the axes of the openings therein. When all of the arms have been assembled on the central support, the beads 13 and 14 may be cemented in place. Thereafter, all of the parts are held rigidly in assembled relation, the ornament being complete. Since the spiders cannot turn on the central support 5, the beads remain fixed in the desired position.

It will be further understood that the preferred form of the device as illustrated and described is merely illustrative of various decorative effects which can be carried out in accordance with the invention, the essentials of which are the spider having two or more arms and a central opening to engage the support, the latter being preferably formed to prevent relative rotation between the spider and the support. Various changes may be made, therefore, in the details of construction and arrangement of the device, without departing from the invention or sacrificing any of the advantages thereof.

I claim:

A device of the character described comprising a support having a central portion of rectangular cross-section, extensions of reduced cross-section at both ends, one of which is longer than the other and is bent to form an eye, a plurality of spiders each having two or more arms and having rectangular openings to slidably engage the rectangular central portion of the support, the axes of the openings in the successive spiders being disposed at angles of 45°, self-spacing ornaments secured to the arms of the spiders whereby the ornaments are staggered on the support, and ornaments secured to the reduced extensions of the support.

In testimony whereof I affix my signature.

ERNEST I. DAUER.