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A. DOLIA

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FORMER FOR ARTIFICIAL FLOWERS

Filed Jan. 3, 1930

Fig: 1.

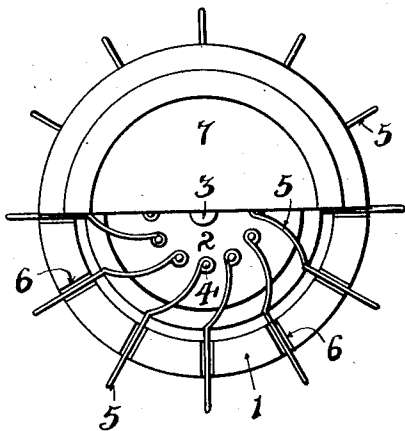


Fig: 3.

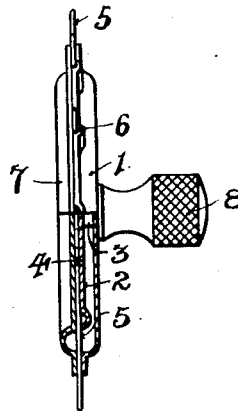


Fig: 2.

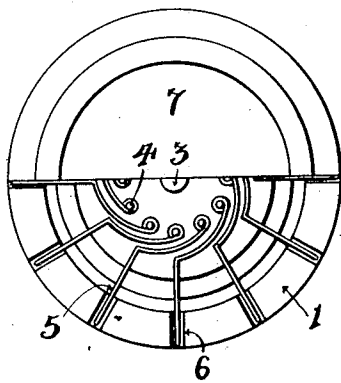
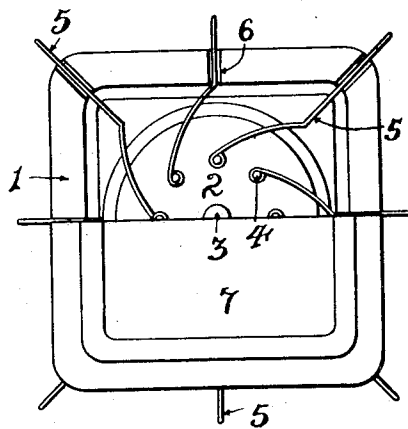


Fig: 4.



Inventor:-  
Antonio Dolia  
By His Attorney:-  
J. J. Council

# UNITED STATES PATENT OFFICE

ANTONIO DOLIA, OF CRESCENZAGO, ITALY

FORMER FOR ARTIFICIAL FLOWERS

Application filed January 3, 1930, Serial No. 418,390, and in Italy January 3, 1929.

The invention relates to artificial flowers—hereinafter referred to as flowers—and the manufacture of same, the flowers being of that type which are manufactured from textile threads, such as woollen thread, silk thread and the like or a combination of any different types of threads.

More specifically the invention relates to a former for flowers in which the petals are regular or uniform as to shape and arrangement around the stem as a centre.

According to the invention for the manufacture of such a flower there is provided a plurality of elements over which the petal forming threads may be passed, with means for withdrawing such elements simultaneously from the completed petals.

The drawings annexed hereto illustrate a convenient and practical form of the device—the best known to me at present—for effecting the manufacture of the flowers. In these drawings:—

Figure 1 is a half-sectional elevation of the device; Figure 2 is a similar view to that of Figure 1 but with parts in a moved position in relation to the position thereof in Figure 1; Figure 3 is a half-sectional side elevation of the device of Figure 1; and Figure 4 is a view similar to that of Figure 1; but showing a rectangular device instead of the circular one shown in Figure 1.

The dished plate indicated at 1 in the figures forms one half of a casing on which is pivoted a smaller disc 2 on a pivot pin 3, secured in the plate.

The disc 2 is pierced with holes 4 to receive the ends, bent at right angles, of a plurality of wires 5 of brass or other metal, conveniently bent and each terminating in a straight length which in position is radial of the circle of which pivot 3 is the centre. In the edge of the plate 1 are formed the grooves 6 which slidably receive the straight portions of the wires 5.

Upon the plate 1 is fitted a further dished plate 7 of the same shape and form, the two together forming a casing having a plain edge, the method of securing the casing parts not interfering with movement of the disc 2 or of the wires 3.

The operation is as follows:—

According to the angular position of the disc 2 in relation to the plate 1 and its grooves 6 in which the wires 5 are held, the said wires are either projected radially from the casing as a whole; or they are drawn within it. These two positions of the wires are shown in Figures 1 and 2 respectively. Angular movement of the disc 2 at will may be effected suitably by securing to the pivot pin 3, which passes through the plate 1 for the purpose, a milled or like knob 8.

To form the flowers by this device, the apparatus is set as shown in Figure 1, and the threads employed are wound regularly around the projecting wires 5, crossing the threads at the front to the centre of the device and in this position they are secured to each other by means of other threads or in any other convenient way. Turning of the disc on completion of the operation varies its position and withdraws the wires 5 within the casing, the formed flower being thus free for removal to leave the device free for further manufacture.

The operation of the device of Figure 4 is as just described, the resultant flower being as a whole of rectangular form instead of circular.

I claim:—

1. In a former for artificial flowers, a plurality of wires over which petal-forming threads may be wound, a central holder radially of which the wires may slide, the holder being hollow and containing within it means for effecting such radial sliding of the wires.

2. In a former for artificial flowers, a plu-

5 rality of wires over which petal-forming threads may be wound, a central holder for the wires, a disc pivoted centrally of the holder and to which disc the wires are attached, and means for guiding the said wires radially of the holder as the disc is rotated.

10 3. In a former for artificial flowers, a plurality of wires over which petal-forming threads may be wound, a central holder for the wires, means for moving the said wires radially to withdraw them simultaneously into the holder, and radial guides within such holder for the wires.

15 In testimony whereof I have hereunto set my hand.

ANTONIO DOLIA.

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