W. A. WARNER.

ARTIFICIAL FLOWER.

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899,852. Patented Sept. 29, 1908.

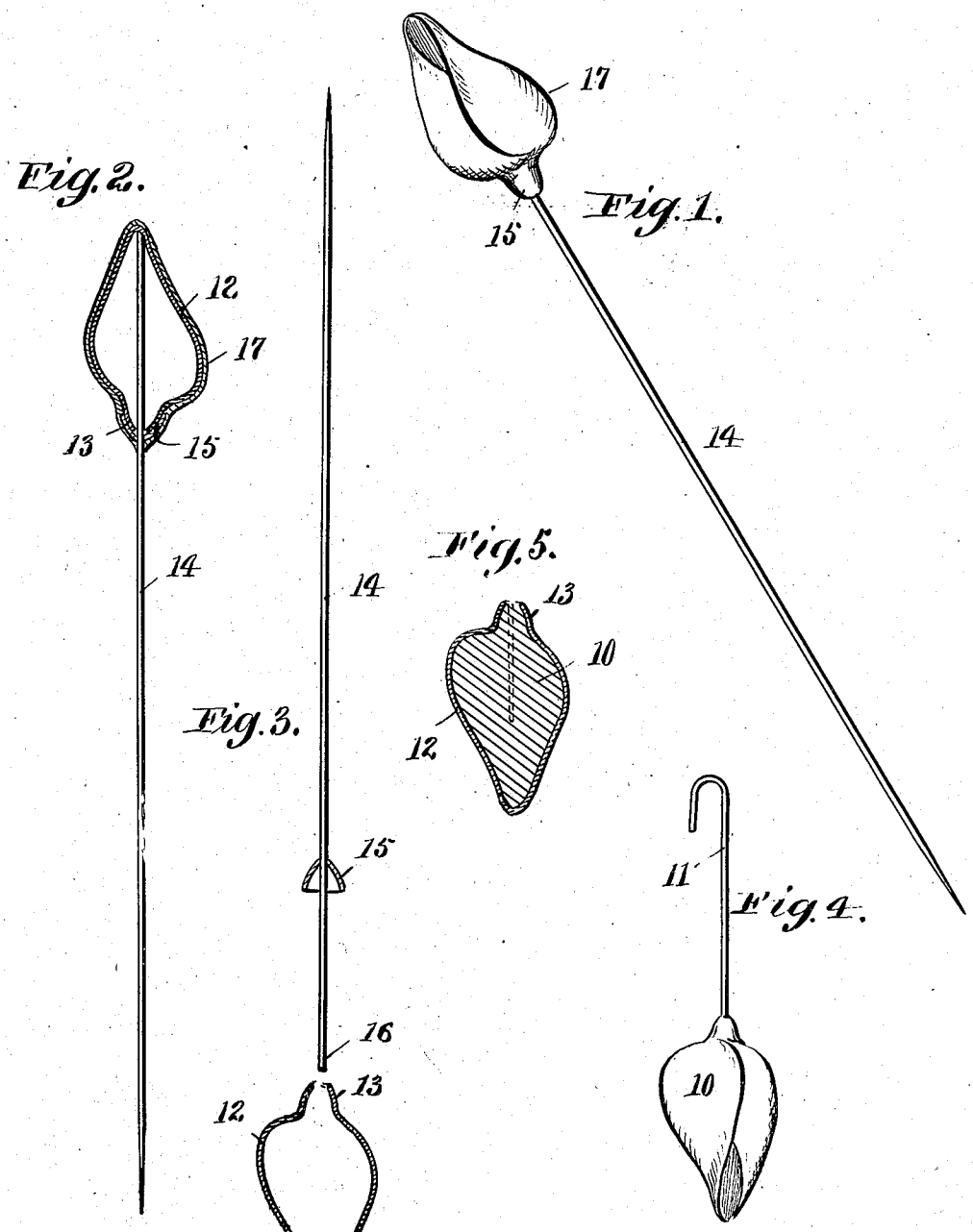


Fig. 1.

Fig. 2.

Fig. 3.

Fig. 5.

Fig. 4.

Witnesses

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ARTIFICIAL FLOWER.

No. 899,852. Specification of Letters Patent. Patented Sept. 29, 1908.

Application filed February 28, 1907. Serial No. 359,877.

To all whom it may concern:

Be it known that I, WILLIAM A. WARNER, a citizen of the United States, and resident of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Artificial Flowers, of which the following is a specification.

My invention relates to artificial buds and flowers and especially to the formation of such flowers from metal for ornamental and decorative purposes.

It is the purpose of my invention to provide means whereby original and ornamental designs of buds and flowers may be produced from metal and secured to stems which may be pointed to form pins or may otherwise be utilized; to provide for the production of such flowers in an inexpensive, durable and practical manner, and so as to insure an exact reproduction of the natural specimen; to produce such flowers of combined metals as for instance, copper with a gold or silver plating and attach them to stems for use as hat or scarf pin heads to form individual heads of clusters; and further to so construct said metal flowers as to permit of their convenient assemblage to form wreathes or bunches for other ornamental purposes.

With the above objects in view I have devised a novel construction and method of producing the same, illustrated upon the accompanying sheet of drawing forming a part of this specification, upon which similar characters of reference denote like or corresponding parts throughout the several figures and of which,

Figure 1, shows a side elevation of a metal flower constructed in accordance with my invention and illustrating its use as a hat pin head. Fig. 2, a central vertical longitudinal section through the same. Fig. 3, is a disconnected sectional elevation of the several parts forming the base of my metal flower. Fig. 4, is a detailed side elevation of a form, as for instance a natural flower, around which my artificial flower may be formed the same being suspended by a wire. Fig. 5, is a sectional elevation of said flower form with a metal casing inclosing the same.

The flowers as before stated are formed of metal, and are preferably hollow to insure lightness, and the basin shell or form is obtained by electro deposition which in practice is formed upon a natural vegetable growth as for instance, a flower of the particular character that the completed article of manufacture is designed to imitate. In this way I am enabled to obtain in metal exact reproductions of flowers from nature, each individual article being an original design so to speak, and dissimilar in detail at least from others of the same class.

The method therefore which I elect to pursue in the production of my novel flower is to first insert into the stem or calyx portion of a flower 10, a suspending wire 11, then coat the flower with shellac or varnish and make the same conductive with a light covering of plumbago, silver or other metallic substances. The article is then suspended in a plating tank where a deposit of metal, as for instance copper, is formed upon the flower to produce the basic shell designated as 12. This obviously forms a uniform shell around the entire flower and in strict conformity to the surface thereof, including the formation of an extended calyx portion 13 of flared cup formation. The wire is next removed and the end of the calyx portion 13 is opened sufficiently to permit of the destruction and removal of the enclosed vegetable matter which is taken out by means of a suitable instrument.

14 represents the stem or pin which is connected to the said calyx portion of shell and in order to strengthen said connection I provide a suitable metal cap 15 which may be attached to the pin at a suitable distance from the upper end 16 as for instance by means of soldering. The said end 16 of the pin is inserted through the opening of the calyx and shoved up into the head so as to bring the cup 15 upon and surrounding the calyx portion of the shell where it is soldered or otherwise secured. The cap may be soldered to the calyx portion as produced with the shell, or its edge can be soldered direct to the shell to form a calyx. The entire article as constructed is next submitted to a further electro plating process which in this instance would be with a deposit of precious metal 17, as for instance gold or silver in a way to thoroughly cover the entire shell, cup and stem to produce a uniform attractive finish throughout.

By forming and assembling the several parts in the manner outlined a very attractive and durable article is produced, and in a comparatively inexpensive manner consistent with the possibilities of the varying

designs which may be obtained and as before stated none of which are duplicates of the other.

In the formation of a very small flower as for instance those used for scarf or stick pin heads, it is not so necessary that the vegetable matter should be removed from the original shell but in the production of larger flowers I find it desirable though slightly more expensive.

Having thus described my invention what I claim and desire to secure by Letters Patent is:—

1. An artificial flower comprising an electrically deposited metal shell in the form of a flower and having a reduced calyx portion, a cap to engage the said calyx portion of the shell, a stem attached to the cap, and a metal plating covering the shell cap and pin.

2. An artificial flower comprising a metal shell representing a flower and having a reduced calyx portion with a hole therethrough, a stem inserted through said hole to engage the shell, and a metal cap covering the connection of stem and reduced calyx portion to strengthen the parts.

3. An artificial flower comprising a metal shell having a wire attached to its base by a flared cup, and a metal plating for said shell and cup.

Signed at Bridgeport in the county of Fairfield and State of Connecticut this 27th day of February A. D., 1907.

WILLIAM A. WARNER.

Witnesses:
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