D. LEVI.

CHRISTMAS TREE ORNAMENT.

APPLICATION FILED NOV. 2, 1916.

1,216,580. Patented Feb. 20, 1917.

Fig. 2.

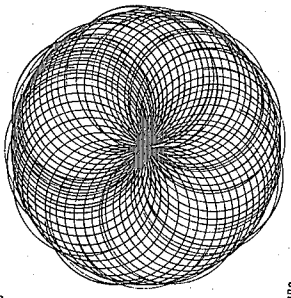


Fig. 1.

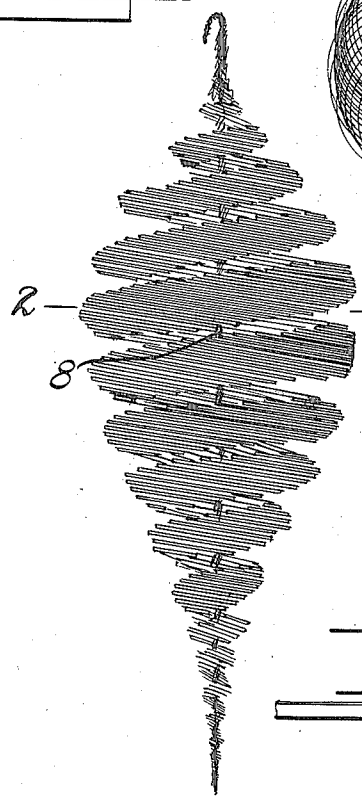


Fig. 3.

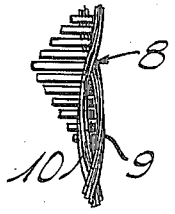


Fig. 4.

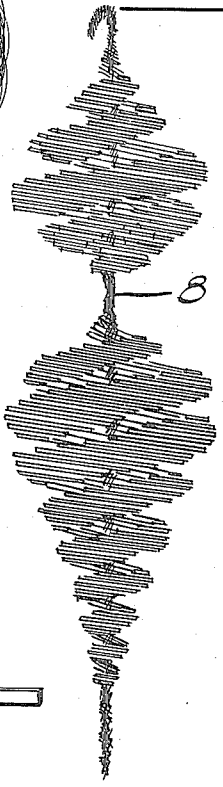


Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



Inventor

Daniel Levi

By his Attorney

Frank J. Kent

UNITED STATES PATENT OFFICE.

DANIEL LEVI, OF NEW YORK, N. Y.

CHRISTMAS-TREE ORNAMENT.

1,216,580. Specification of Letters Patent. Patented Feb. 20, 1917.

Application filed November 2, 1916. Serial No. 129,113.

To all whom it may concern:

Be it known that I, DANIEL LEVI, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Christmas-Tree Ornaments, of which the following is a specification.

This invention relates to Christmas tree ornaments or the like. Such ornaments have heretofore been made mostly of glass, which has the disadvantage that the articles are very fragile and have considerable weight. By my invention I aim to provide an ornament which may readily be made in any design, which will possess all of the light-reflecting and eye-pleasing qualities of the glass ornaments but which will be light in weight, substantially free from danger of breakage and which will be cheap to manufacture.

Other objects and aims of the invention, more or less broad than those stated above, together with the advantages inherent, will be in part obvious and in part specifically referred to in the course of the following description of the elements, combinations, arrangements of parts, and applications of principles constituting the invention; and the scope of protection contemplated will appear from the claims.

In the accompanying drawings, which are to be taken as a part of this specification, and in which I have shown a merely preferred form of embodiment of the invention, Figure 1 is an elevation of an ornament embodying my invention; Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1; Fig. 3 is a detail illustrating one way of connecting the coils to the axial supporting member of the arm; Fig. 4 is a view similar to Fig. 1 illustrating a modification; Fig. 5 is a detail of the flat light-reflecting wire or material of which the coils are made; Fig. 6 is a view illustrating a modification of Fig. 5; and Figs. 7 and 8 are plan and edge views respectively of still another modification.

Referring to the numerals on the drawings, there is shown at 8 a supporting member which is preferably made of a plurality of strands of wire or other suitable material indicated in Fig. 3 by the numerals 9 and 10. Disposed, in the forms shown in the drawings, symmetrically about this axial supporting member is a continuous strand of flat light-reflecting material, in a multitude of successive coils, progressing, from one to the next, lengthwise of the axis and also spirally around the axis. Each coil is connected to the supporting member 8 at a point in its circumference, preferably in the manner shown in Fig. 3, in which each coil is shown passing between the braided or twisted strands 9 and 10 of the supporting member. Obviously the angular position of the center of each coil with relation to the supporting member 8 will depend on the twist of the strands 9 and 10 at the particular point where they engage the coil. And the twist also holds the coil in position as against any movement relatively to the supporting member. Inasmuch as the ornament is to be suspended from the tree with its axis vertical, it is essential in order to secure the best light-reflecting qualities in the ornament, that the surfaces of the strand throughout the several coils shall be alined with the axis of the ornament, that is, that they shall be vertical when the axis is vertical. In order to produce a shaped article, such as is shown in Fig. 1, certain of the successive coils will be of progressively different diameter. Thus such an ornament as is shown in Fig. 1 may be produced, or such a multiple ornament as is shown in Fig. 4.

In place of having a multitude of successive single coils progressing lengthwise of the supporting member, there may be a plurality of sets of coils, and the progress of these sets of coils lengthwise of the supporting member, will be from one set of coils to the next set, and the coils of each set will be parallel to each other, and with their surfaces alined with the supporting member, and preferably with their centers in a line parallel to the supporting member. Thus where I speak in the claims of a multitude or plurality of coils, I mean to include a multitude or plurality of sets of coils. Such sets of coils, also, may progress spirally about the supporting member. It will be understood that although I have shown the supporting member central or axial, and the coils symmetrically disposed, such symmetry is not always essential.

At one end the axial supporting member of the ornament preferably protrudes to form an attaching portion, and to this at-

taching portion a sustaining cord or the like may be attached, or the attaching portion itself may be bent into the form of a hook or the like as indicated at 12.

The flat strand of which the coils are made is shown in Figs. 5, 6, 7 and 8, Fig. 5 showing the plain flat strand, which may be the ordinary familiar tinsel having a silvered surface or color, or otherwise ornamented as desired. In Fig. 6 the strand is shown as having a twist and if such a strand is used in the making of the coils of the ornament, each coil will reflect light from a great many angles. In Figs. 7 and 8 the strand is shown as of zig zag form, and when this form is used the surfaces will be vertical or in alinement with the axial supporting member of the ornament.

It is to be understood that the material of which the coils are made has sufficient self-sustaining qualities so that it will assume the coil shape into which it is formed, and so that if the coil is distorted accidentally it will resume the coil shape as soon as pressure is removed. At the same time it is resilient enough so that it will not break and will of course have the necessary tensile strength so that it may be manipulated in the manufacture of the ornament.

Inasmuch as many changes could be made in the above construction, and many apparently widely different embodiments of my invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the language used in the following claims is intended to cover all the generic and specific features of the invention herein described and all statements of the scope of the invention which, as a matter of language, might be said to fall therebetween.

I claim:

1. An ornament of the kind described, comprising a supporting member or axis and a strand of flat light-reflecting material disposed along said supporting member in a multitude of successive coils, progressing, from one to the next, lengthwise of the supporting member, each coil connected to the supporting member at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the supporting member.

2. An ornament of the kind described, comprising a supporting member or axis and a strand of flat light-reflecting material disposed about said supporting member in a multitude of successive coils, progressing, from one to the next, lengthwise of the supporting member and also spirally around the same, each coil connected to the supporting member at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the supporting member.

3. An ornament of the kind described, comprising a supporting member or axis and a strand of flat light-reflecting material disposed along said supporting member in a multitude of successive coils, progressing, from one to the next, lengthwise of the supporting member, each coil connected to the supporting member at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the supporting member, the supporting member extending beyond the coils and having an attaching portion whereby it may be suspended.

4. An ornament of the kind described, comprising a supporting member and a strand of flat light-reflecting material disposed about said supporting member in a multitude of successive coils, progressing, from one to the next, lengthwise of the supporting member, each coil connected to the supporting member at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the supporting member of the ornament.

5. An ornament of the kind described, comprising a central supporting member or axis and a strand of flat light-reflecting material disposed symmetrically about said central axis in a multitude of successive coils, progressing, from one to the next, lengthwise of the central axis and also spirally around the same, each coil connected to the axis at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the central axis of the ornament, certain of the successive coils being of progressively different diameter.

6. An ornament of the kind described, comprising a central supporting member or axis and a strand of flat light-reflecting material disposed symmetrically about said central axis in a multitude of successive coils, progressing, from one to the next, lengthwise of the central axis and also spirally around the same, each coil connected to the axis at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the central axis of the ornament, said central supporting member comprising a plurality of strands twisted together and between which said coils pass and are held.

7. An ornament of the kind described, comprising a central supporting member or axis and a strand of flat light-reflecting material disposed symmetrically about said central axis in a multitude of successive coils, progressing, from one to the next, lengthwise of the central axis and also spirally around the same, each coil connected

to the axis at a point in its circumference, said strand of light-reflecting material being twisted.

8. An ornament of the kind described, comprising a central supporting member or axis and a strand of flat light-reflecting material disposed symmetrically about said central axis in a multitude of successive coils, progressing, from one to the next, lengthwise of the central axis and also spirally around the same, each coil connected to the axis at a point in its circumference, the surfaces of the strand of each coil being substantially alined with the central axis of the ornament, said strand of light-reflecting material being of zig zag form.

9. An article of the kind described, comprising an elongated supporting member, and a plurality of coils of flat light-reflecting material supported along and around said supporting member, each in close proximity to its neighbor, each coil being connected to the supporting member at a point in its circumference, and the surfaces of the coils being alined with the supporting member.

10. An article of the kind described, comprising an elongated supporting member, and a plurality of coils of flat light-reflecting material supported along and around said supporting member, each in close proximity to its neighbor, each coil being connected to the supporting member at a point in its circumference, and the surfaces of the coils being alined with the supporting member, said supporting member having an attaching portion.

In testimony whereof I affix my signature.

DANIEL LEVI.