Jan. 1, 1929.

D. E. ALLEN

1,696,934

BASES FOR LAMP POSTS AND TROLLEY WIRE POLES

Filed Dec. 20, 1927

Fig. 1.

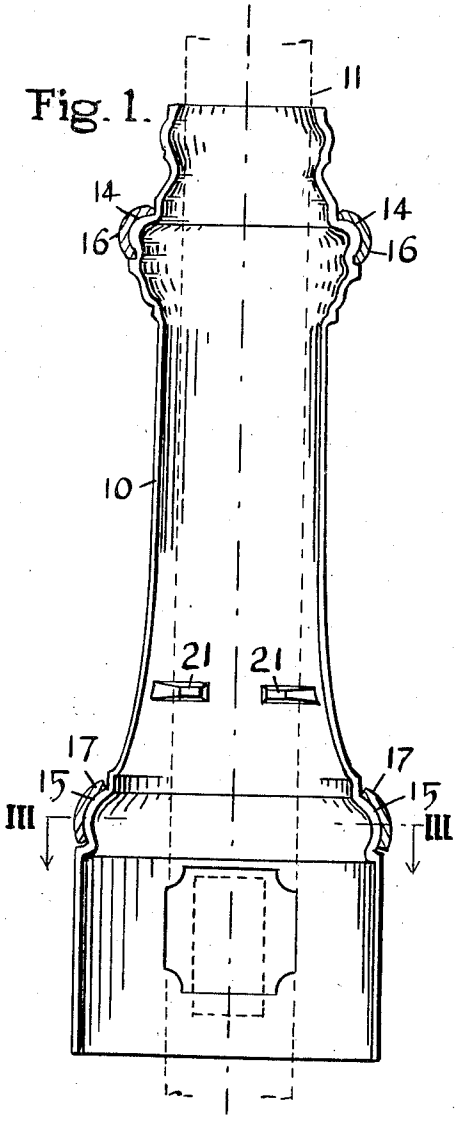


Fig. 2.

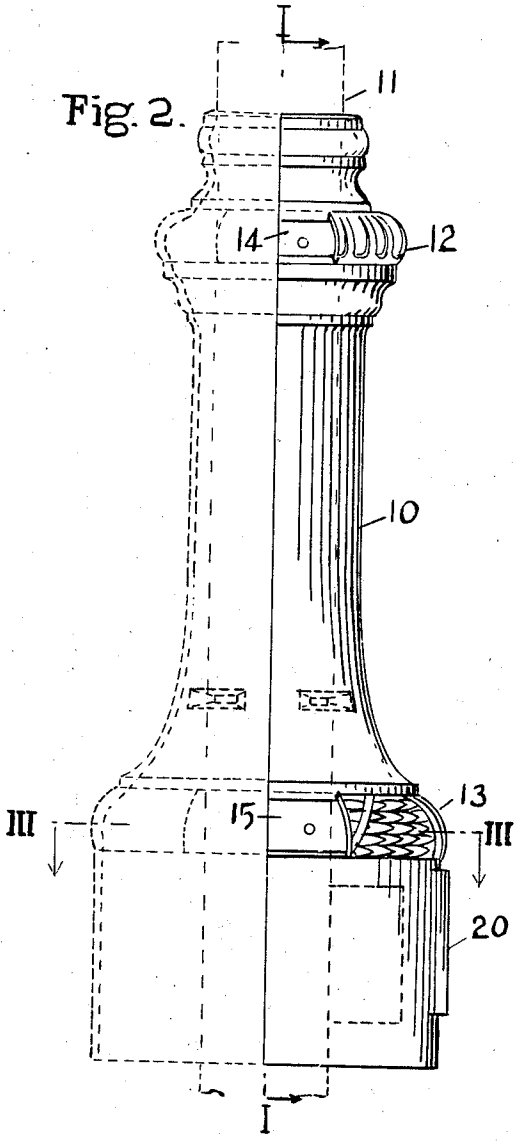


Fig. 3.

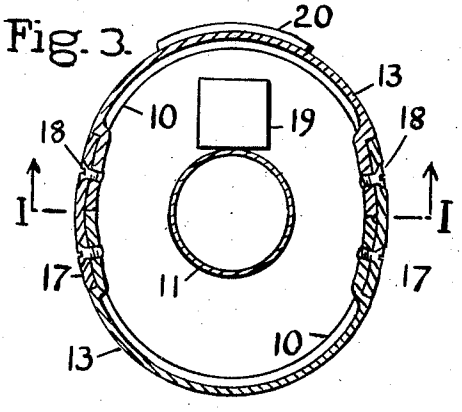
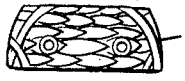


Fig. 4.



Fig. 5.



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UNITED STATES PATENT OFFICE.

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BASE FOR LAMP-POSTS AND TROLLEY-WIRE POLES.

Application filed December 20, 1927. Serial No. 241,415.

This invention relates particularly to a base for imparting a finish to tubular iron poles such as are erected along streets for the support of trolley wires, and for carrying street lamps, and for such joint use, but the base is applicable to poles and pipes for other uses, as for example, for flag-poles.

The object of this invention is to provide a base which will impart an ornamental character to the pole and which can be readily put in place after the pole has been erected. A further object, when the pole is used for the support of electric lamps, is to provide protected space for the relays and switches by which the lamp is turned on and off. A further object, is to provide a base with surface ornamentation which will readily admit of molding.

In the accompanying sheet of drawings which forms a part of this description,

Figure 1 is a vertical section through a pole-base according to this invention on the line I—I of Figs. 2 and 3, which is the plane of separation, the pole being indicated in dotted line.

Fig. 2 is an elevation of one of the parts of the pole-base the other part and the pole being indicated in dotted line.

Fig. 3 is a horizontal section through the lower torus of the base on the line III—III of Figs. 1 and 2.

Fig. 4 is an elevation of a connecting strap which forms an element of the upper torus.

Fig. 5 is an elevation of a connecting strap which forms an element of the lower torus.

The pole-base comprises two like parts 10, 10 each forming half of the base and meeting along a longitudinal plane through the axis, and the parts together forming a shell for enclosing the portion of a pole 11 which is adjacent to the ground. It is preferably of ornamental configuration and includes near its upper end a torus 12 and near its lower end a torus 13. The upper torus has recesses 14, 14 and the lower torus has recesses 15, 15, both sets of recesses being adjacent to the meeting edges of the parts and the bottom of each being convex and substantially parallel to a continuation of the face of the torus. Fitting into the recesses in the upper torus and extending from one part to the other are straps 16, 16, and similarly fitting into the recesses of the lower torus are straps 17, 17. The straps are concave on their inner sides and convex on their outer sides, and are bound to the recesses by screws 18, 18, and fit the recesses so that the parts are held against longitudinal displacement although only one screw holds each end of a strap to the part.

The upper part of the base is circular and the lower part of the base is elliptical in preference to being circular so that space is afforded on one side for a box 19 for relays to control the lighting circuits, and undue encroachment on the street is avoided. An opening is provided in the base opposite the box which is closed by a cover 20.

The upper end of the base fits the pole and the tips of lugs 21, 21 engage the pole and hold the base concentric with the pole at a lower point.

The upper torus and also the lower torus both have strong relief ornamentation which does not interfere with the drawing of the pattern from the sand in molding because they are only carried around through an arc of 120 degrees instead of through a full half circle so that undercuts in the ornamentation are avoided. The restriction of this arc is by the recesses for which cores are set in molding. The straps carry the same designs and complete each torus.

Since the pole is customarily set in concrete before the base is put in place, it would be necessary, if the base was in one piece, to hoist and lower it over the top of the pole. With this split construction, the parts of the base are brought together around the pole from the ground or sidewalk. The wire connections to the relay box may be made either before or after the base is set in place. There is space for additional apparatus, if needed on the side of the pole opposite the relay box. The invention is not limited to the provision of one opening and cover.

I claim,

1. An ornamental pole-base for surrounding a pole in longitudinally separable parts having a torus as an element of its design, the torus having recesses adjacent to the meeting edges of the parts, exterior straps forming segments of the torus for binding the parts together, and means for securing the ends of the straps in the recesses.

2. An ornamental pole-base for surrounding a pole in two parts longitudinally separable along a plane through its axis having a torus as an element of its design, the torus having recesses adjacent to the meeting edges of the parts, exterior straps forming segments of the torus for binding the parts to-

gether, and means for securing the ends of the straps in the recesses.

3. An ornamental pole-base for surrounding a pole in two parts longitudinally separable along a plane through its axis having a torus near its upper end and a torus near its lower end as elements of its design, each torus having recesses adjacent to the meeting edges of the parts, exterior straps forming segments of each torus for binding the parts together, and means for securing the ends of the straps in the recesses.

4. An ornamental pole base for surrounding a pole in longitudinally separable parts having a torus as an element of its design, the torus having recesses with convex bottoms adjacent to the meeting edges of the parts, exterior concavo-convex straps fitting into the recesses and forming segments of the torus for binding the parts together, and means for securing the ends of the straps in the recesses.

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