May 30, 1933. R. G. WILLIAMS 1,911,334

POLE FIXTURE FOR ELECTRICAL CONDUCTORS

Filed Aug. 12, 1931

Fig. 1.

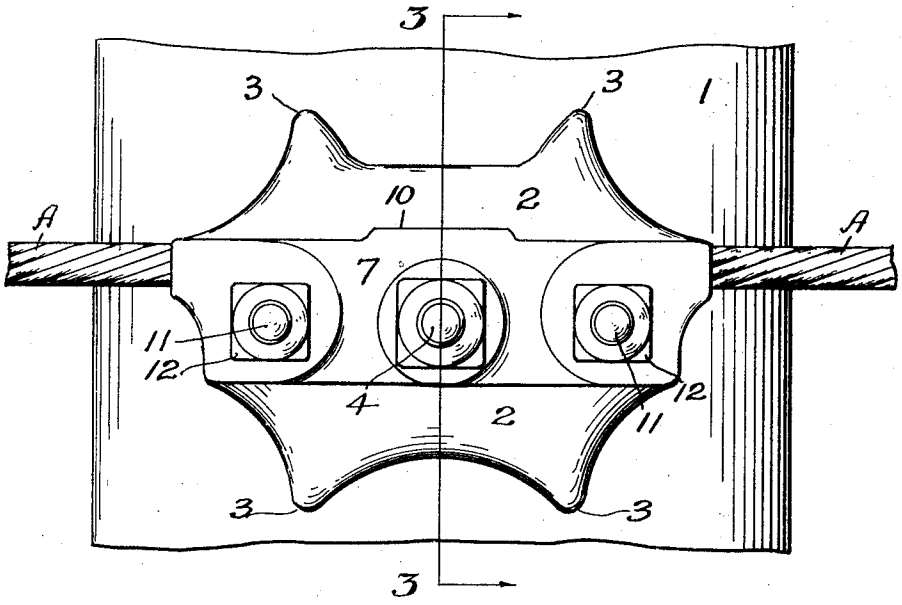


Fig. 2.

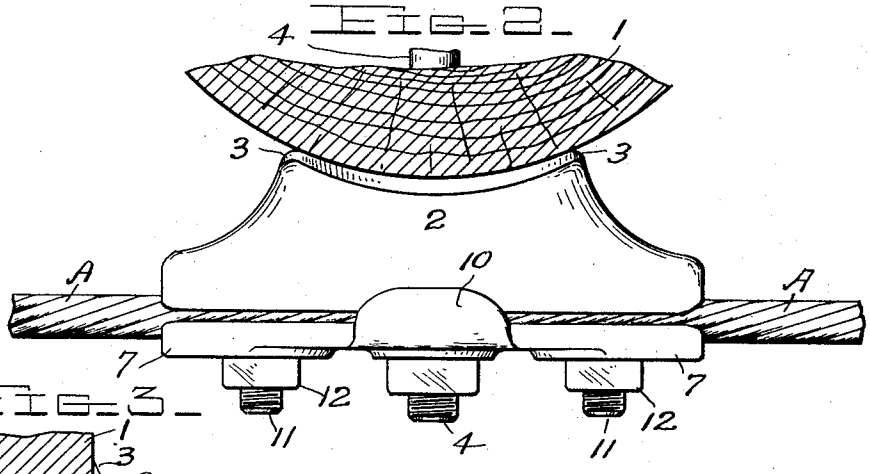
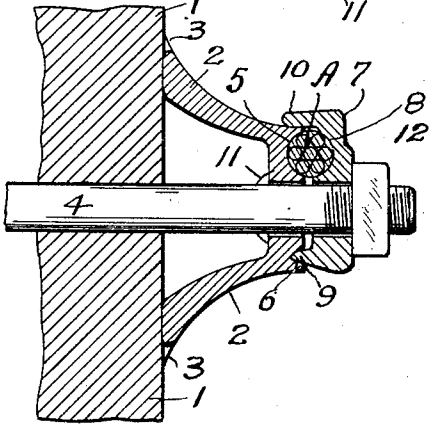


Fig. 3.



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UNITED STATES PATENT OFFICE

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POLE FIXTURE FOR ELECTRICAL CONDUCTORS

Application filed August 12, 1931. Serial No. 556,705.

My invention relates to pole fixtures for electrical conductors and has for its object to improve and simplify the construction shown in my Letters Patent No. 1,754,924, issued April 15, 1930.

In the accompanying drawing,

Figure 1 is a front elevation showing the fixture as it appears when installed on a pole—

Figure 2 is a top view with the pole in section of the installment shown at Figure 1, and

Figure 3 is a section at the line 3—3 of Figure 1.

Similar numerals of reference will be used to denote like parts in the several figures of the drawing.

1 is the pole and 2 is the base portion of the fixture whose rear is hollow and diverges both vertically and laterally and is provided with feet 3 at the top and bottom which are spaced apart and are curved to fit the pole, so that the fixture has four points of contact with the pole.

The fixture has a bolt 4 passed through its center and through the pole, which bolt is secured in the usual manner by a nut at the rear of the pole, not shown in the drawing.

In the front face of this fixture at the top portion is a circular groove 5 which extends horizontally throughout the length of the fixture and in the bottom portion of the latter is a V-shaped channel 6 which is parallel with said groove.

7 is a clamping member which has a groove 8 in its upper inner face that is complementary to the groove 5, and has a V-shaped rib 9 in its lower inner face that is parallel with the groove 8.

The upper edge of the member 7 has a centrally disposed lip 10 that extends inwardly.

In applying the device for use, the fixture 2 is first secured to the pole; the cable or conductor is then placed within the groove 5 and the member 7 then applied so that its groove 8 contains the cable or conductor A while the lip 10 overlaps the base fixture and the rib 9 engages within the channel 6, so that it will be seen that the cable or conductor is uniformly embraced without any danger of the strands thereof being cut or mashed by the clamping members. Bolts 11 are then passed through the ends of the base fixture and member 7 and these parts firmly clamped together by nuts 12 driven on the ends of the bolts.

It will thus be readily seen that the base fixture is firmly contacted with the pole by means of the spaced diverging feet 3, thus doing away with any vertical extensions from said fixture and the securing thereof to the pole while the lip 10 and rib 9 hold the clamping member so that it cannot possibly skew and thereby cause the cable or conductor to be cut or mashed when the nuts 12 are driven.

It has been ascertained that the lip 10 is necessary in addition to the bottom channel and V-shaped engaging part, and, moreover this lip affords a seat, in the event that an insulating protection bar is employed.

What is claimed is:—

A pole fixture for electric conductors composed of a hollow body having a vertically disposed front wall and top and bottom walls which diverge from the front wall and have free side edges which are curved to seat against a pole or the like, a pair of spaced pole engaging feet projecting upwardly and downwardly from the free side edges of the respective top and bottom walls, said front wall having an upper longitudinally extending conductor-receiving groove in its front face and a lower shallow groove parallel to the upper groove, a clamping plate having a groove complementary to the first groove and having a lip extended outwardly from its upper side and lapping the top wall of the body and further having a V-like rib which extends into the lower groove, and a bolt extending through the clamping member and through the front wall of the body and disposed centrally of the length of the lip and in the space between said grooves.

In testimony whereof I affix my signature hereto.

ROLLAND G. WILLIAMS.