No. 881,963. PATENTED MAR. 17, 1908.

W. D. SCOTT.

DISTRIBUTION FIXTURE.

APPLICATION FILED MAY 11, 1906. RENEWED OCT. 7, 1907.

Fig. 1.

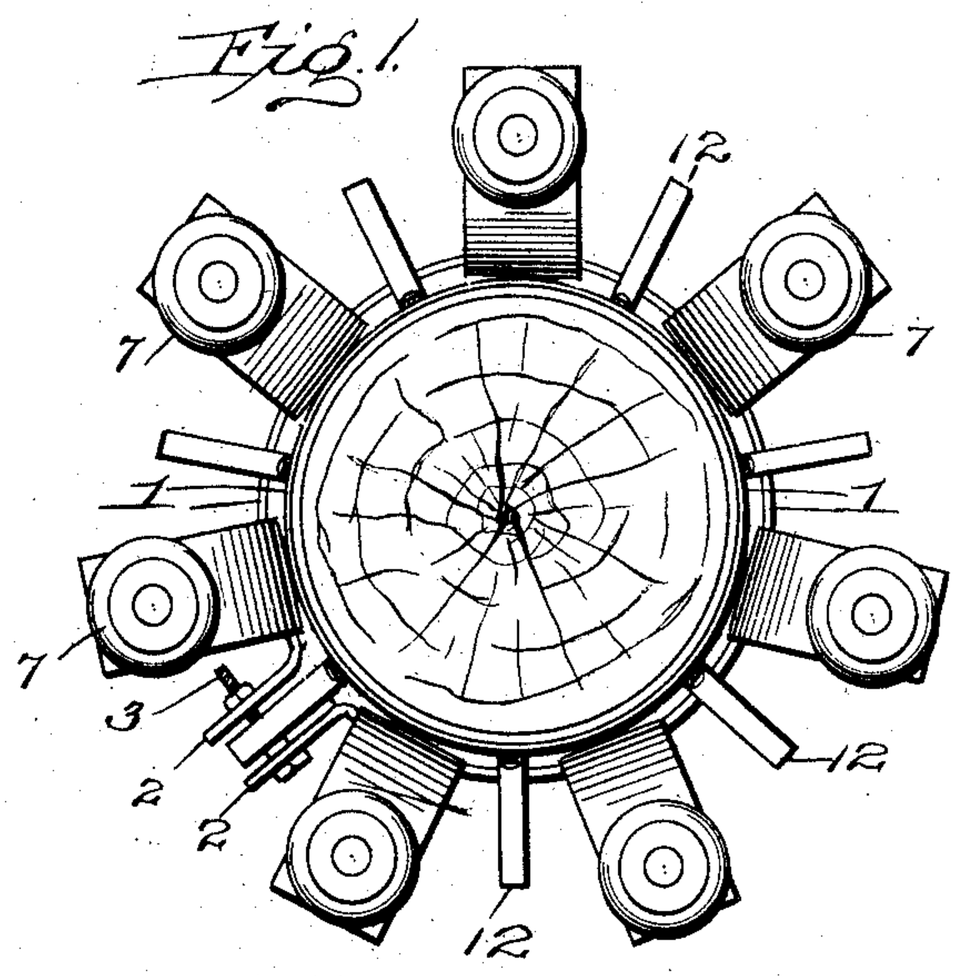
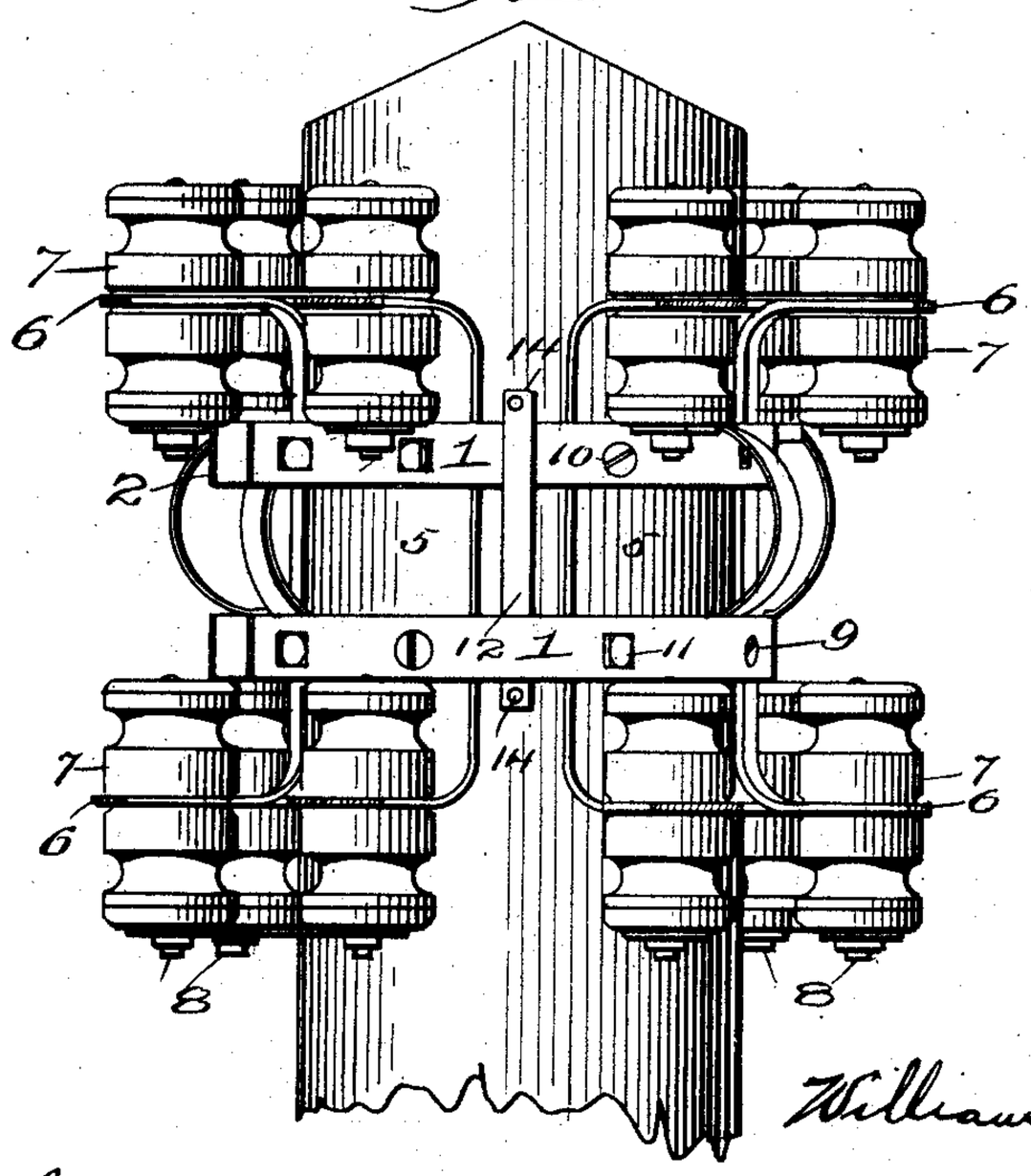


Fig. 2



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DISTRIBUTION-FIXTURE.

No. 881,963. Specification of Letters Patent. Patented March 17, 1908.

Application filed May 11, 1906, Serial No. 316,332. Renewed October 7, 1907. Serial No. 396,325.

To all whom it may concern:

Be it known that I, WILLIAM D. SCOTT, a citizen of the United States of America, and a resident of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Distribution-Fixtures, of which the following is a specification.

My invention has for its object to provide means for supporting overhead lines from distribution points, and while in the accompanying drawings I have shown it as applied to a telegraph or analogous pole, it will be understood that it is applicable for use in connection with other forms of supports, its object being to provide a construction by which a plurality of insulators may be carried in a circle and from which lines may be distributed, the device to be of such a character as to permit its use with supports varying in diameter so that it may be readily applied and removed from such supports, and for this purpose it consists in the construction, arrangement, and combination of the several parts of which it is composed, as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings in which corresponding parts are designated by corresponding marks of reference—Figure 1 is a side elevation of a fixture constructed in accordance with this invention. Fig. 2 is a plan view of the same.

The fixture consists essentially of two supporting collars 1, 1, each being split and provided with ears 2, 2, at such split portion, through which ears are passed clamping bolts 3, by which the collars may be tightened upon the support 4, shown in the drawing as a telegraph pole. These collars are spaced some distance apart, and between them and the support, at intervals around the same are located supporting strips 5, the upper and lower ends 6 of which project radially from the support. An insulator 7 is carried above and below each end 6 of the supporting strips, being fastened thereto by insulator bolts 8. Each supporting strip is secured to one of the collars 1, by a bolt 9, the bolts of adjacent strips being alternately through the two collars, while each strip and one of the collars are also secured to the post by a drive screw 10, these screws in adjacent strips being alternately passed through the two collars, so that each strip is secured to one collar by the bolt 9, and to the other collar and the support by the drive screw 10, the arrangement being such that the attachment of the adjacent strips to the post and collars alternate around the post at the level of each collar. At the drive screws 10, the collars are perforated as at 11, to permit the insertion of drive screws and to permit them to be driven home. It will thus be seen that the collars and supporting strips may be assembled free from the post and may be securely locked in place on the post by means of the drive screws 10. The clamping bolts in connection with the split collars form an adjustment of the latter to accommodate posts of different diameters and to permit the collars to fit snugly thereon, while the drive screws securely lock the whole support from displacement on the post.

It is obvious that wires may be secured to the insulators in any desired manner, and that as the insulators are arranged radially around the support, wires may be led from the support in any desired direction without interference or crossing each other.

As a convenient means of holding a cable adjacent to the insulators, I may, as shown in the drawing use semi-elliptical bands 12, with straight ends 13. The lower ends of such bands may be inserted beneath the lower collar 1, between each adjacent pair of strips 5, and the upper end as well as the lower end secured to the support 4, by means of screws 14, as shown. It will be noted, that as the collars are spaced away from the support by the thickness of the strips 5, this insertion of the bands beneath the lower collar may be readily made and that the weight of conductors contained within such bands is thereby carried directly by the collars themselves.

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

1. In a distributing fixture, the combination with a plurality of adjustable collars, of supporting strips carried by the said collars, and projecting above and below the same, and insulators carried by the projecting parts of said strips, substantially as described.

2. In a distributing fixture, the combination with a supporting collar, of supporting strips attached thereto, insulators carried by the supporting strips and fastenings extending through the supporting collar and strips adapted to secure the fixture in place, substantially as described.

3. In a distributing fixture, the combination of a plurality of supporting collars, supporting strips, means for fastening the collars and strips together, fastenings extending through the collars, and strips adapted to secure the fixture in place, and insulators carried by the supporting strips, substantially as described.

4. In a distributing fixture, the combination with a circular series of insulators and a series of supports forming a circular conduit adjacent to such insulators, substantially as described.

5. In a distributing fixture, the combination of two series of insulators each arranged radially around a center and in different vertical planes, and a circular conduit arranged around the same center but in a plane intermediate of the two series of insulators, substantially as described.

6. In a distributing fixture, the combination with two split collars, clamping bolts adapted to contract said collars, supporting strips fastened to the collars and separating the same, having above and below the said collars radially projecting ends, collars carried by the projecting ends of the strips, and fastenings extending through the strips and collars for securing the fixture in place, substantially as described.

7. In a distributing fixture, the combination with a plurality of collars, supporting strips secured thereto and supporting the same, the said strips having radially projecting ends above and below the collars, insulators carried by the ends of the supporting strips, and bands arranged adjacent to the collars and between the upper and lower series of insulators, forming a circular conduit adjacent thereto, substantially as described.

Signed at Buffalo, New York this 23 day of April 1906.

WILLIAM D. SCOTT.

Witnesses:
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