

(No Model.)

H. P. DAVIS.

SUPPORTING MEANS FOR ELECTRIC RAILWAY SUPPLY CONDUCTORS.

No. 580,380.

Patented Apr. 13, 1897.

Fig. 1.

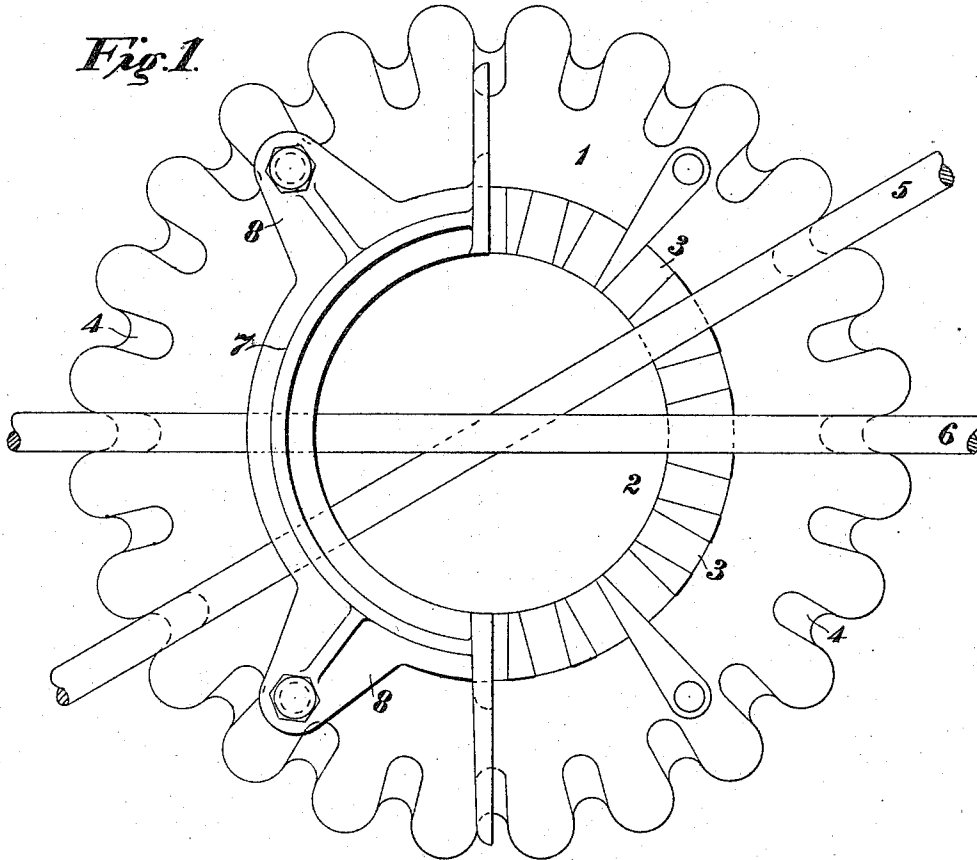


Fig. 2.

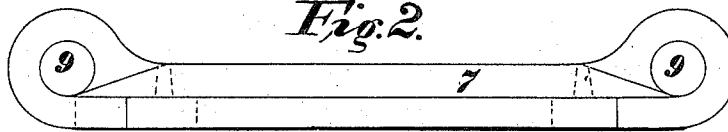
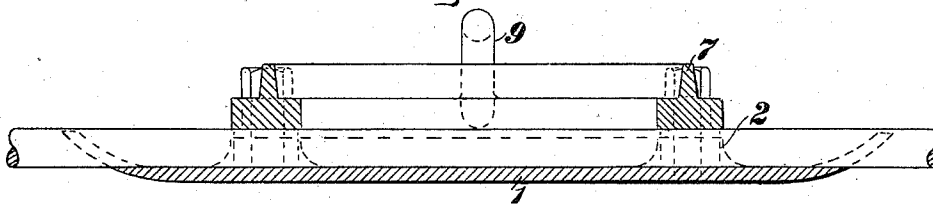


Fig. 3.



WITNESSES:

Ethan D. Dodd
Herbert C. Tener

INVENTOR.

Harry P. Davis
BY *H. E. Carr*
ATTORNEY.

UNITED STATES PATENT OFFICE.

HARRY P. DAVIS, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO THE WESTINGHOUSE ELECTRIC AND MANUFACTURING COMPANY, OF SAME PLACE.

SUPPORTING MEANS FOR ELECTRIC-RAILWAY SUPPLY-CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 580,380, dated April 13, 1897.

Application filed June 10, 1896. Serial No. 595,003. (No model.)

To all whom it may concern:

Be it known that I, HARRY P. DAVIS, a citizen of the United States, residing in Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Supporting Means for Electric-Railway Supply-Conductors, (Case No. 706,) of which the following is a specification.

My invention relates to supporting means for electric-railway overhead conductors; and it has for one of its objects to provide a simple device for use at crossings and turnouts which may be readily adjustable, so as to maintain and firmly support two or more conductors at any angle to each other.

My invention is primarily intended for use in connection with railway systems employing laterally-extending sliding or rolling contact devices which have little or no lateral motion with reference to the vehicles carrying them, but it is not in all respects limited to such specific use.

In the accompanying drawings, Figure 1 is a plan view of my crossover device, one-half of the cap-plate being removed. Fig. 2 is a side elevation of the cap-plate, and Fig. 3 is a section through the entire device.

Reference being now had to the details of construction illustrated in the drawings, 1 is a disk or plate provided with an annular rib or projection 2 and with an upwardly-turned edge. The rib 2 is provided with radial grooves 3 and the edge of the disk with corresponding grooves 4, so arranged that two of the edge grooves and two of the rib-grooves shall be in the same straight line, and that, preferably, a diameter of the disk. These grooves are preferably of such shape and dimensions as to receive a supply-conductor. Two of such conductors are indicated at 5 and 6. A cap-plate or ring 7 is employed for holding the conductors in place in the grooves of the supporting-disk, this plate or ring being provided with lugs 8, by means of which it is bolted to the disk. The plate or ring 7 is also provided at diametrically opposite sides with perforated ears 9, to which are connected the span or pull-off wires for supporting the device from the poles at the side of the track, as is

usual in railway construction. Either the entire ring 7 or the ears 9 may be made of or coated with insulating material, or, if preferred, the pull-off wires may be attached to the ears by means of suitable insulating devices.

It will be readily understood from the foregoing description and the illustrations that two or more conductors which cross or diverge from each other at the intersection of streets may be supported and held in position by means of the grooved disk and cap-plate, as above described, and that the number and location of the grooves are such that the device is adapted to all crossings and turnouts whatever may be the angle between the crossing or branching conductors.

I desire it to be understood that while I have shown and described a specific form of apparatus, such form may be varied within considerable limits without departing from the spirit and scope of my invention.

I claim as my invention—

1. A support for crossover and branching conductors for electric railways comprising a plate provided with a plurality of radial grooves, a cap-plate and means for clamping the conductors between the said plates.

2. The combination with a plurality of crossover or branching supply-wires for electric railways, of a support therefor consisting of two separable parts between which said wires are located, and means for clamping the wires between the said parts at any desired angle to each other.

3. A support for electric-railway conductors comprising a plate or disk provided with a series of radial grooves for the reception of the conductors, a cap-plate or ring provided with perforated lugs or ears and means for clamping the conductors between the said plates.

In testimony whereof I have hereunto subscribed my name this 9th day of June, A. D. 1896.

HARRY P. DAVIS.

Witnesses:

WESLEY G. CARR,
HUBERT C. TENER.