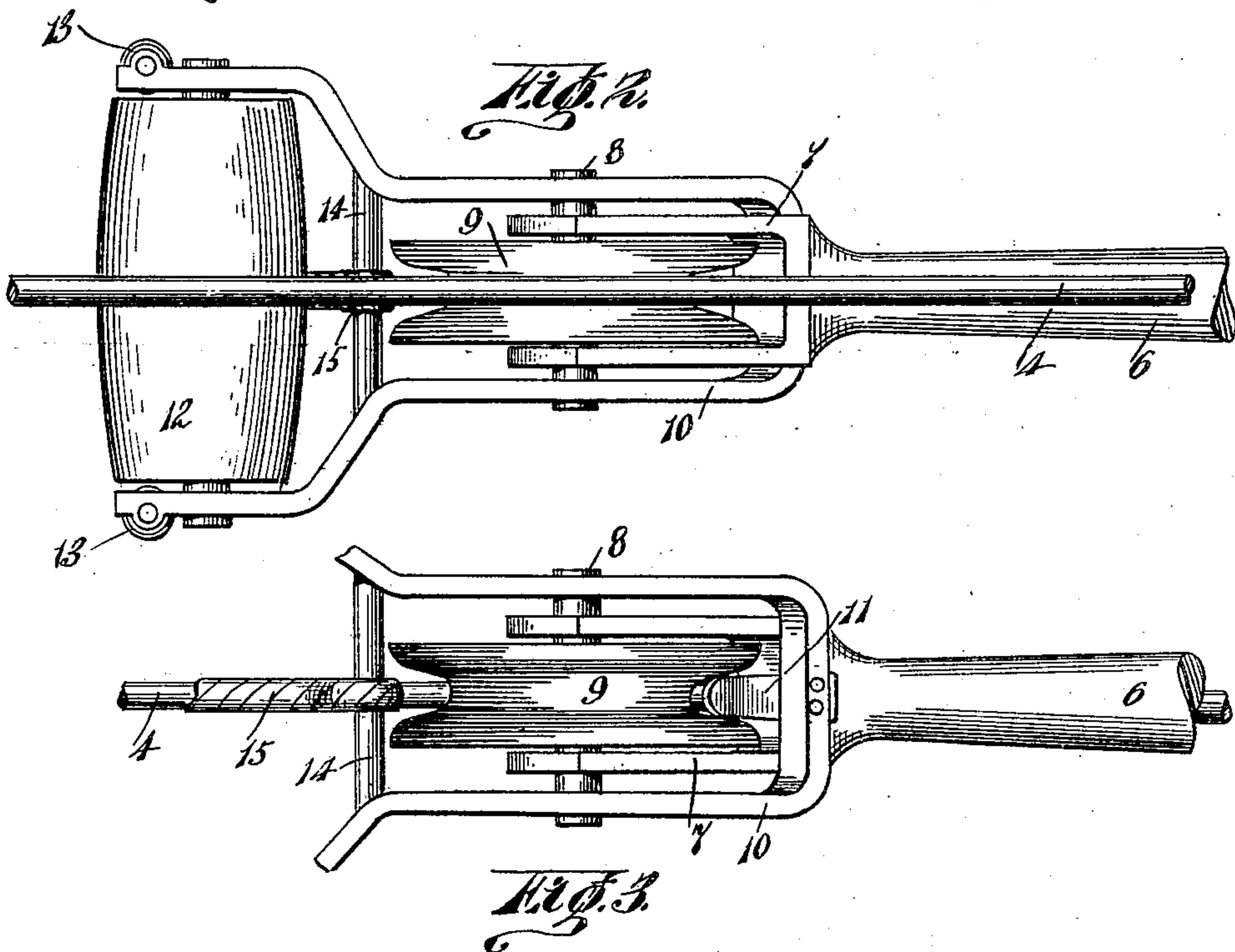
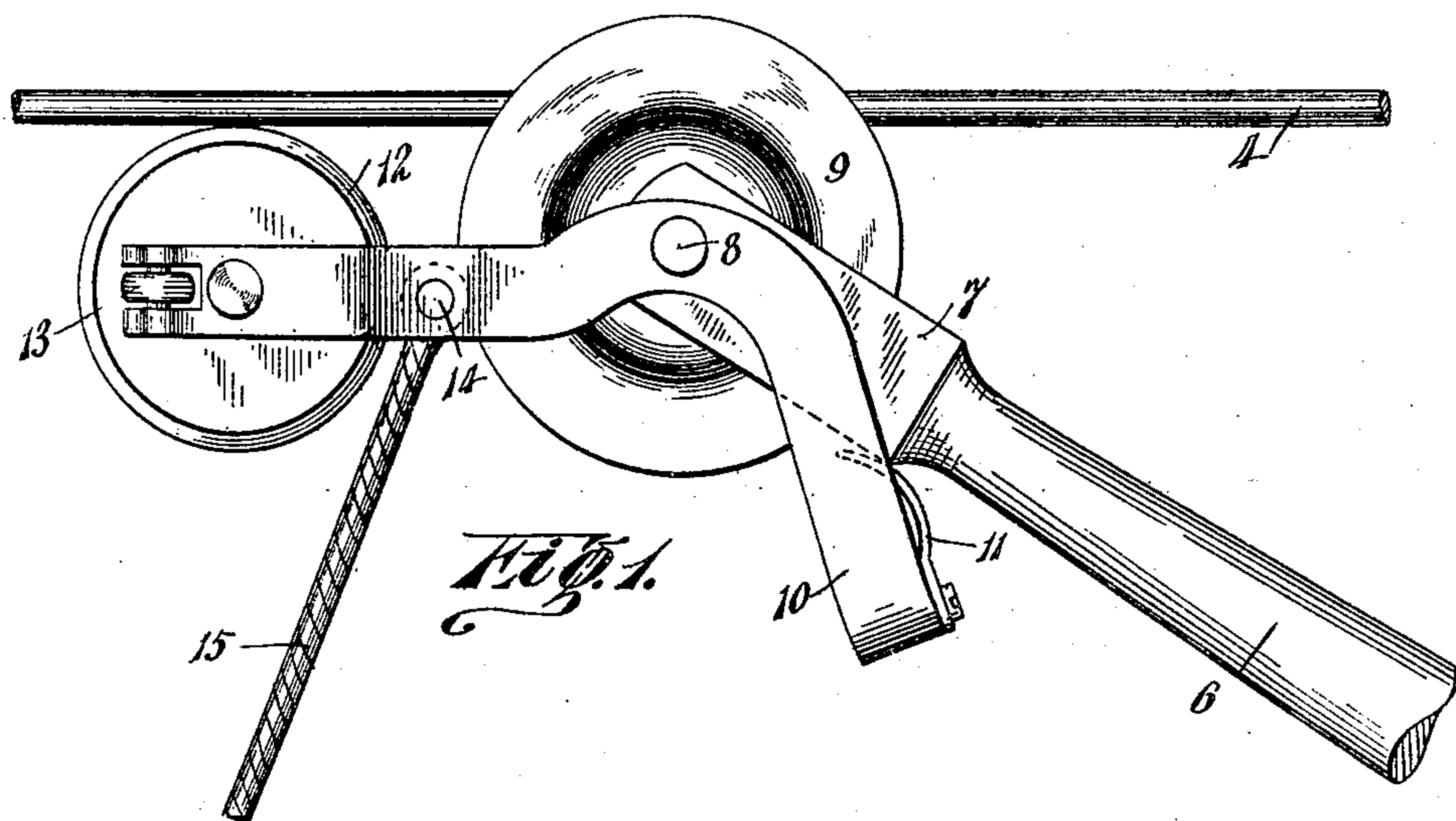


No. 886,645.

PATENTED MAY 5, 1908.

J. E. SAUCIER.
TROLLEY GUARD.

APPLICATION FILED JUNE 30, 1908.



Witnesses:

Eugene M. Slincy.
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UNITED STATES PATENT OFFICE.

JEAN E. SAUCIER, OF MONTREAL, QUEBEC, CANADA.

TROLLEY-GUARD.

No. 886,645.

Specification of Letters Patent.

Patented May 5, 1908.

Application filed June 30, 1906. Serial No. 324,131.

To all whom it may concern:

Be it known that I, JEAN E. SAUCIER, a subject of the King of Great Britain, residing at the city and district of Montreal, in the Province of Quebec, Canada, have invented certain new and useful Improvements in Trolley-Guards; and I do hereby declare that the following is a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to trolley guards and finders, and the object of my invention is to provide means for maintaining the trolley wheel in contact with the trolley wire during variations in its travel over the same; and, my invention consists of the construction, combination and arrangement of parts, as herein illustrated, described and claimed.

In the accompanying drawings, forming part of this application, I have illustrated one form of embodiment of my invention, in which drawings similar reference characters designate corresponding parts, and in which:

Figure 1 is a side elevation of the upper portion of a trolley pole, showing my trolley guard in position; Fig. 2 is a top plan of the same; Fig. 3 is a bottom plan of the same.

Referring to the drawings, 1 designates an ordinary form of overhead trolley supporting plate. Secured on either side or both sides of the plate 1 are depending flanges or guards 2, having their ends diverging and coincident with the line of direction of the trolley wires secured to the plate 1. The plate 1 is adapted to be supported by span wires 3 in the ordinary way.

A common form of trolley pole 6, provided with a bifurcated upper end 7, an axle 8, and a trolley wheel 9, has pivoted thereto on the axle 8 a yoke 10. Secured to the lower end of the yoke 10 is a spring 11, adapted to bear on the upper end of the trolley pole 6.

Carried by the upper end of the yoke 10, is a roller 12, adapted to bear on the wire 4

and to guide the trolley wheel 9 to the wire and to remain in contact with the wire as the trolley travels thereon, thereby making a double contact between the wire 4 and the pole 6.

Carried by the free ends of the yoke 10 are rollers 13 adapted to bear against the flanges of the usual overhead switch plates.

Carried by the yoke 10 is a bar 14, to which the ordinary rope 15 may be attached.

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

1. A trolley guide and finder comprising, in combination, a trolley pole, a yoke pivotally mounted on the upper end of said pole, said yoke comprising two divergent arms, a portion disposed at an angle to said arms and adapted to lie beneath the aforesaid trolley pole, a spring seated in said portion and adapted to bear against the under face of said pole to maintain the opposite end of said yoke elevated, and a contact and guide roller mounted in said opposite end.

2. A trolley guide and finder comprising, in combination, a trolley pole, a yoke pivotally mounted on the upper end of said pole, said yoke comprising two divergent arms, a portion disposed at an angle to said arms and adapted to lie beneath the aforesaid trolley pole, a spring seated in said portion and adapted to bear against the under face of said pole to maintain the aforesaid end of said yoke elevated, a contact and guide roller mounted in said opposite end, and a bar connecting the aforesaid divergent arms at a point between the end of the trolley pole and said guide and contact roller, to which the usual operating rope may be attached.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

JEAN E. SAUCIER.

Witnesses:

C. C. COUSINS,
E. M. SLINNEY.