H. PRACK.

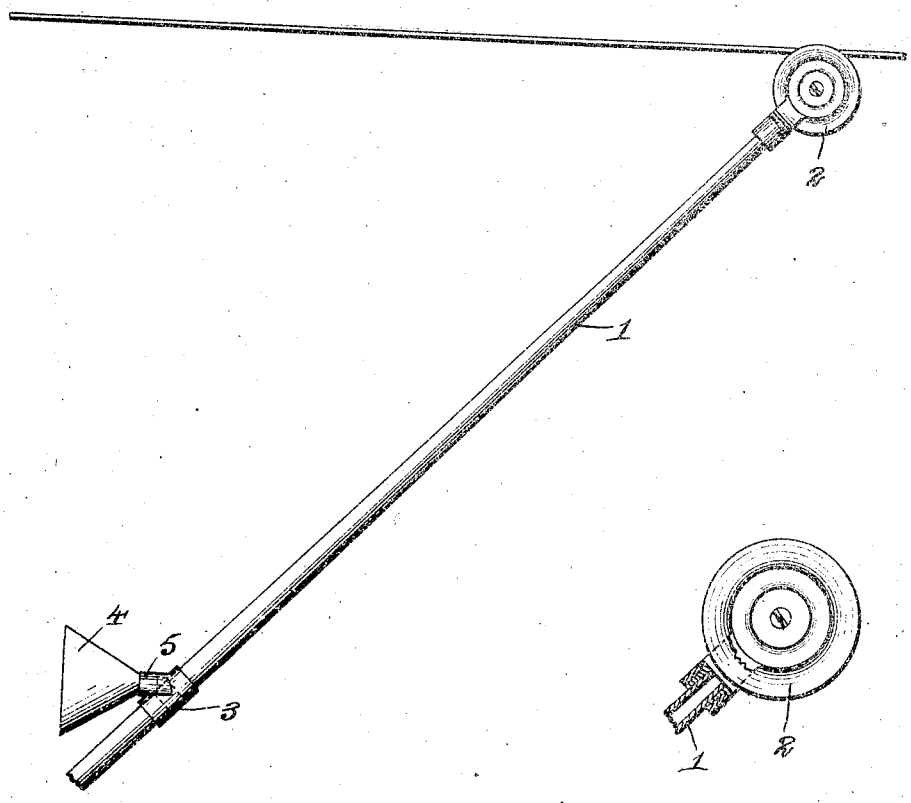
COOLING DEVICE FOR TROLLEY WHEELS.

APPLICATION FILED AUG. 26, 1911.

1,027,756.

Patented May 28, 1912.

Fig. 1.



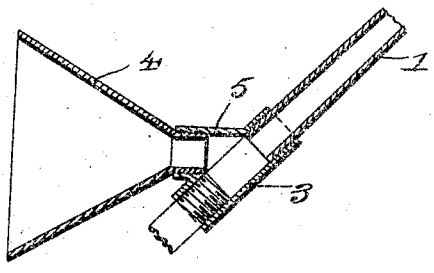


Fig. 2.

Witnesses:

A. A. Olson

B. G. Richards

Inventor:

Henry Prack

by Joshua R. H. Potts

his Attorney.

UNITED STATES PATENT OFFICE.

HENRY PRACK, OF OTTAWA, ILLINOIS.

COOLING DEVICE FOR TROLLEY-WHEELS.

1,027,756. Specification of Letters Patent. Patented May 28, 1912.

Application filed August 26, 1911. Serial No. 646,256.

To all whom it may concern:

Be it known that I, HENRY PRACK, a citizen of the United States, residing at Ottawa, county of Lasalle, and State of Illinois, have invented certain new and useful Improvements in Cooling Devices for Trolley-Wheels, of which the following is a specification.

My invention relates to improvements in cooling devices for trolley wheels, that is to devices designed for use in connection with trolley wheels to serve as a means of maintaining the latter cool when in operation.

The object of my invention is the production of a device of this character which will be of simple construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view, my invention consists in the cooler characterized as above mentioned and in certain details of construction and arrangements of parts, all as will be hereinafter more fully described and particularly pointed out in the appended claims.

My invention will be best understood by reference to the accompanying drawing forming a part of this specification and in which,

Figure 1 is a side elevation of a trolley pole and wheel to which is applied the cooling device embodying my invention, and, Fig. 2 is an enlarged, fragmentary sectional view of the construction shown in Fig. 1.

The preferred form of my construction as illustrated in the drawing comprises a trolley pole 1 which is formed in two parts, the upper part being tubular. Mounted at the upper end of the upper pole 1 is a trolley wheel 2 which may be of any ordinary or preferred design, said trolley wheel being so mounted however that the periphery thereof is disposed in direct alinement with the passage through the upper pole part and in close proximity with the upper extremity thereof. The pole parts are connected by means of a pipe coupling 3.

Arranged at the lower end of the pole 1 is a funnel member 4 so arranged that the expanded end thereof is directed forwardly. The rearward contracted end of said funnel is in threaded connection with a nipple 5 formed upon the coupling 3, the arrangement being such, as will be observed, that a direct communication is established between the lower end of the passage through the upper pole part and the rearward end of the funnel, and so that during the forward movement of the car upon which the device is arranged, a draft will be created through the funnel and the upper pole part, a current of air being directed thereby to impinge upon the periphery of the trolley wheel in order to maintain the latter in cool condition. By the provision of the funnel 4 it is evident that the force of the air current in the trolley pole is magnified and hence the efficacy thereof correspondingly increased.

A cooling device of the construction set forth is durable and economical, the arrangement thereof upon the trolley pole in no way affecting the free movement of the latter or the free operation of the trolley wheel mounted thereon. Further, the device is of high efficiency in use and may be manufactured at a very low cost.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, the same is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the precise details of construction set forth, but wish to avail myself of such variations or modifications as fall within the scope of the appended claims.

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

1. In a cooler for trolley wheels, the combination of a tubular pole; a trolley wheel mounted upon the upper end of said pole in direct alinement with the passage through said pole; and a forwardly opening funnel communicating at its contracted end with said passage, substantially as described.

2. In a cooler for trolley wheels, the combination of a tubular pole; a trolley wheel mounted on the upper end of said pole in direct alinement with the passage through said pole; and a forwardly opening funnel mounted upon said pole and having its rearward, contracted end communicating with said passage, substantially as described.

3. In a cooler for trolley wheels, the combination of a tubular pole; a trolley wheel mounted on the upper end of said pole in direct alinement with the passage through said pole; and a forwardly opening funnel mounted upon said pole and having its rearward, contracted end threaded into said

pole and in communication with said passage, substantially as described.

4. In a cooler for trolley wheels, the combination of a two-part pole, the upper part being tubular; a trolley wheel mounted upon the upper end of said pole in direct alinement with the passage through said upper pole part; a coupling connecting the adjacent ends of said pole parts; and a forwardly opening funnel having its rearward contracted end connected with said coupling in direct communication with the lower end of the passage through said upper pole part, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY PRACK.

Witnesses:
THERESA J. BUTLER,
NELLIE KELLY.