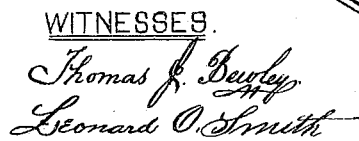


Patented Mar. 14, 1871.



Lawrence Myers
By his Attorney
Stephen Wick

United States Patent Office.

LAURENCE MYERS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 112,731, dated March 14, 1871.

IMPROVEMENT IN HOSE-TUNNELS FOR CITY RAILWAYS.

The Schedule referred to in these Letters Patent and making part of the same.

I, LAURENCE MYERS, of the city of Philadelphia and State of Pennsylvania, have invented an Improved Hose-Protector for Railroads, of which the following is a specification.

Nature and Object of the Invention.

My invention consists of a chamber, closed at the ends, and arranged below and extending beyond the rails of a track, and provided with detachable or movable covers, as fully described hereafter, so that hose can be passed across the line of the track without interfering with travel on the latter, or interrupting the continued flow of the water.

Description of the Accompanying Drawing.

Figure 1 is a plan view of part of a railroad-track, showing my improved hose-protector;

Figure 2 is a transverse section on the line 1 2, fig. 1;

Figure 3 is a perspective view of a box or case which may be used in carrying out my improvement; and

Figures 4, 5, and 6, perspective views of the covers of the box.

General Description.

A A are cross-ties, arranged in the usual manner, and supporting stringers B B, to which are secured the rails E.

A chamber or recess is formed below and beyond the rails; and in this recess, in the present instance, is fitted a box, D, the ends of which extend beyond the outer sides of the rails.

The ends of the stringers abut against the sides of the box-ribs *e e*, on which confine the stringers laterally;

and in the bottom of the box are openings for the passage of water and for the reception of spikes *a*, by which the box is secured to the cross-ties.

To the top of the box, between the rails, are fitted lids F, which, in the present instance, are detachable, although they may be secured permanently to or form a part of the box; and to the ends of the box which extend beyond the rails are fitted detachable lids G G.

By removing the lids G G access may be had to the interior of the box to pass through the same one or more lines of hose, which, being thus conducted beneath the track, will not interfere with travel on the same, while the cutting or injury to the hose is prevented, and the passage of water through the same continues without interruption.

The box may be of wood, clay, cast-iron, or any other suitable material, or, in some instances, may be dispensed with, the chamber extending below and beyond the rails, being covered between the rails, and provided, at the outer sides of the latter, with detachable or movable lids, in the same manner as the box.

Claim.

The within-described box D, with its recesses *f f*, ribs *e e*, and covers F G, as set forth.

In testimony that the above is my invention I have hereunto set my hand and affixed my seal this 4th day of August, 1870.

LAURENCE MYERS. [L. S.]

Witnesses:

STEPHEN USTICK,
THOMAS J. BEWLEY.