(No Model.)

E. P. MORRIS.

SUSPENSION HANGER FOR ELECTRIC LAMPS.

No. 428,929. Patented May 27, 1890.

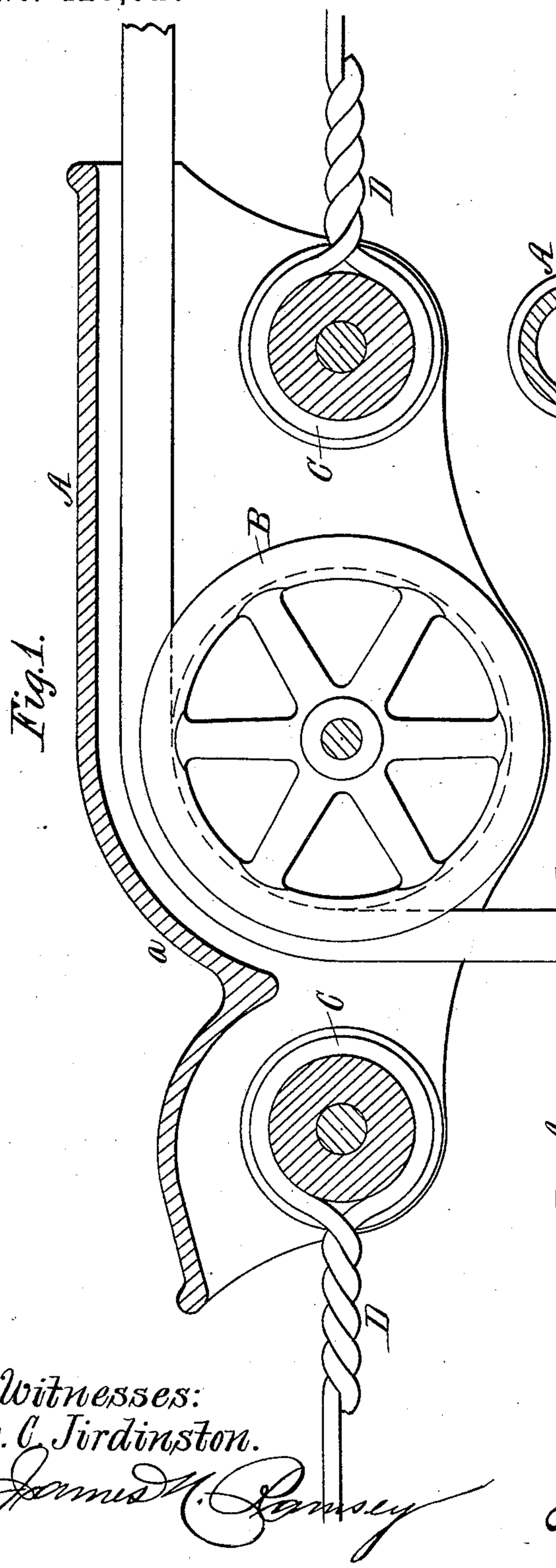

Fig. 1.

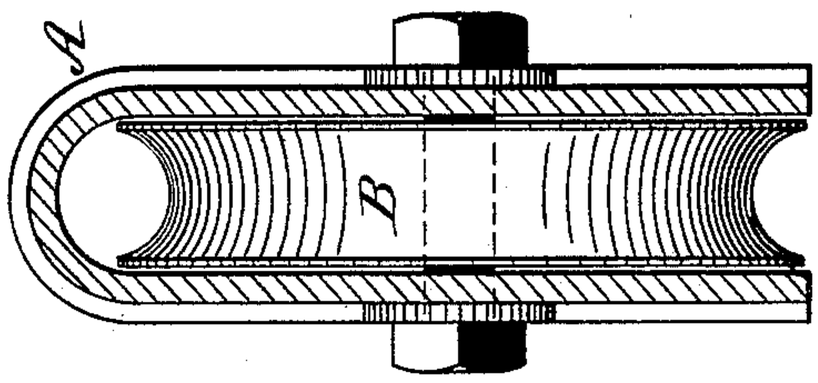

Fig. 2.

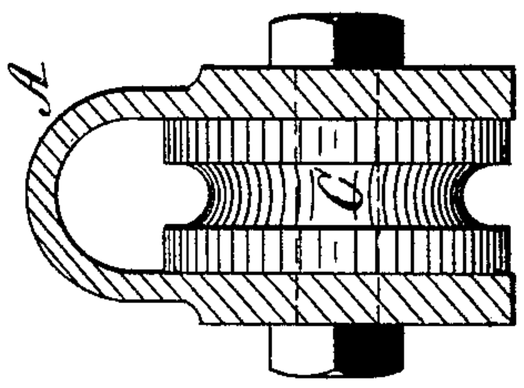

Fig. 3.

Witnesses:
W. C. Jirdinston.
James M. Ramsey

Inventor:
Elmer P. Morris
By Parkinson & Parkinson,
His attorneys

UNITED STATES PATENT OFFICE.

ELMER P. MORRIS, OF CINCINNATI, OHIO.

SUSPENSION-HANGER FOR ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 428,929, dated May 27, 1890.

Application filed November 27, 1889. Serial No. 331,758. (No model.)

To all whom it may concern:

Be it known that I, ELMER P. MORRIS, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Suspension-Hangers for Electric Lamps, of which the following is a specification.

My invention relates to that class of hangers which are adapted to be suspended by wires or their equivalents stretched across the street or other space to be lighted; and it consists in an improved construction of such hangers, whereby the pulleys are insulated and the danger from the electric current largely decreased.

In the drawings, Figure 1 is a longitudinal section of one of my improved suspension-hangers. Fig. 2 is a view of the suspension-pulley, and Fig. 3 a view of one of the insulating-spools by which the pulley and its case are suspended.

A is a metallic roof or case inclosing the pulley and insulating-spools.

B is a grooved pulley mounted in suitable bearings in the case.

C C are insulating-spools of any suitable insulating material, preferably grooved to receive the suspending wires D. The case A is bent downward at *a*, thereby forming a guide for the cord E, by which the lamp is suspended.

I claim—

1. In a suspension-hanger for electric lamps, the combination of a suspending pulley, insulating-spools, and a case inclosing the suspending pulley and the insulating-spools, substantially as and for the purpose specified.

2. The combination of the inclosing-case A, bent downward at *a*, the suspension-pulley B, and the insulating-spools C C, substantially as and for the purpose specified.

ELMER P. MORRIS.

Witnesses:
EMILE DROTZ,
JAMES N. RAMSEY.