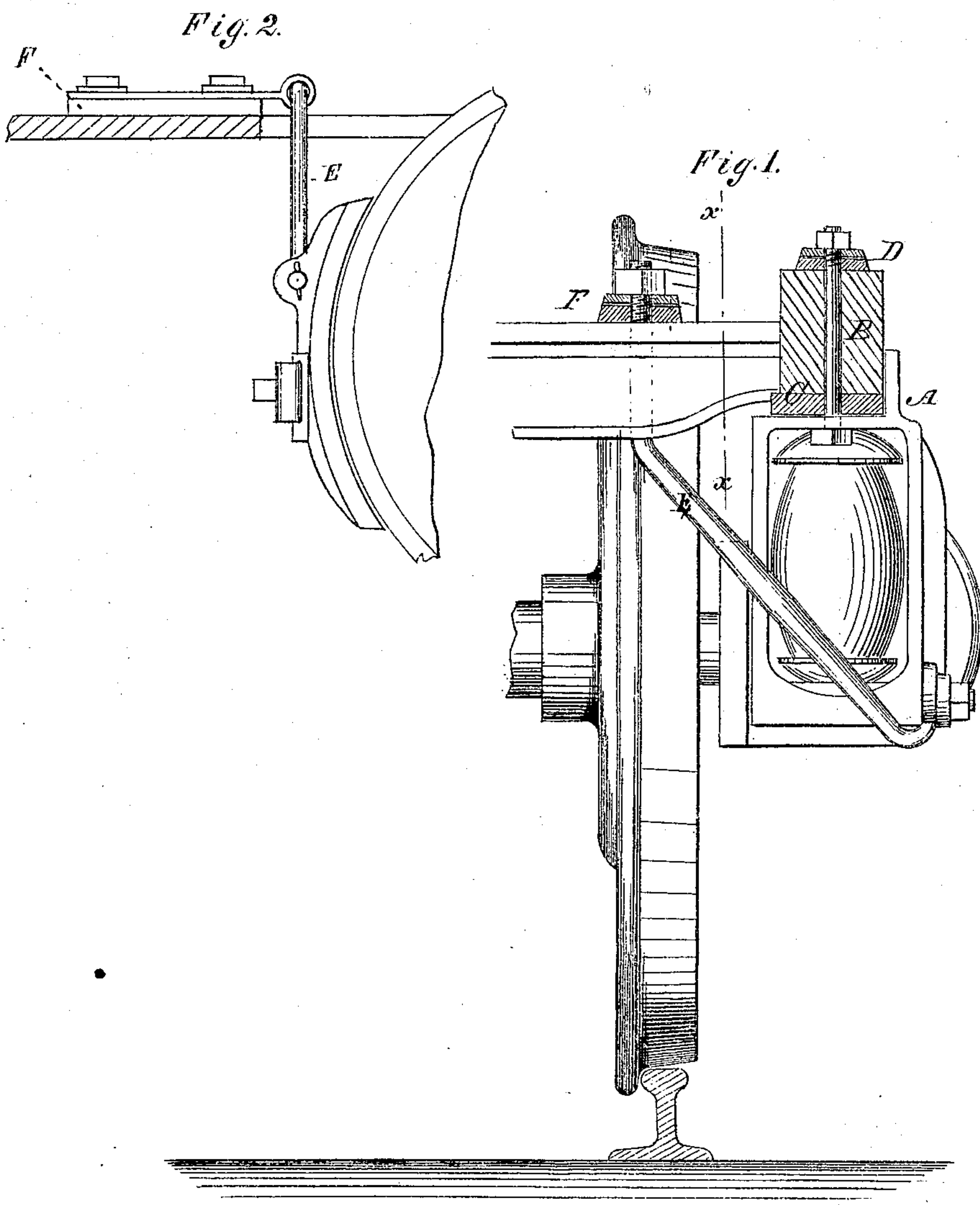


JOHN STEPHENSON.

Improvement in Street-Cars.

No. 127,526.

Patented June 4, 1872.



Witnesses:

Chas. Nida
Alex F. Roberts

Inventor:

J. Stephenson
Mumf
Attorneys.

PER

UNITED STATES PATENT OFFICE.

JOHN STEPHENSON, OF NEW YORK, N. Y.

IMPROVEMENT IN STREET-CARS.

Specification forming part of Letters Patent No. 127,526, dated June 4, 1872.

Specification describing a new and useful Improvement in Street-Car Insulators, invented by JOHN STEPHENSON, of the city, county, and State of New York.

The object of this invention is to so construct street-rail cars as to avoid the noise and tremor occasioned by the application of the brakes and running-gear; and it consists in insulating the body of the car from the running-gear by the interposition of India rubber or other elastic material in the manner hereinafter described.

Figure 1 of the drawing represents a side view of the running-gear, showing the manner of applying the insulator. Fig. 2 is a transverse section through the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

I construct a car-body of any desirable form, and, when attaching the pedestals, I place India rubber or other elastic material or non-conducting substance between the pedestal A and the sill B, as seen at C; also between the head of the pedestal-bolt and sill, as seen at D; also between the nut-washer of the pedestal-stay E and the car-floor, as seen at F; also between the floor of the car and the wrist

which holds the clog-link; also between the said wrist and the bolt-heads or washers under the nuts which secure said wrists, and under the heads and nuts of bolts at all points where they are used to form connections between the running-gear and body of the car.

The metallic connection between the running-gear and the body of the car is thus severed, and the noise and discomfort experienced by passengers therefrom is much reduced. The noise of the wheels and the clattering of the axle-boxes in the pedestals, and the jar and tremor occasioned by the application of the brakes are always offensive and occasion discomfort, which by my system of insulating are in a great measure avoided.

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

The insulator interposed at all or any of the places described, and for the purposes named, substantially as set forth.

JOHN STEPHENSON.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.