No. 819,044. PATENTED MAY 1, 1906.

J. DOBOS.

CAR FENDER.

APPLICATION FILED JAN. 23, 1906.

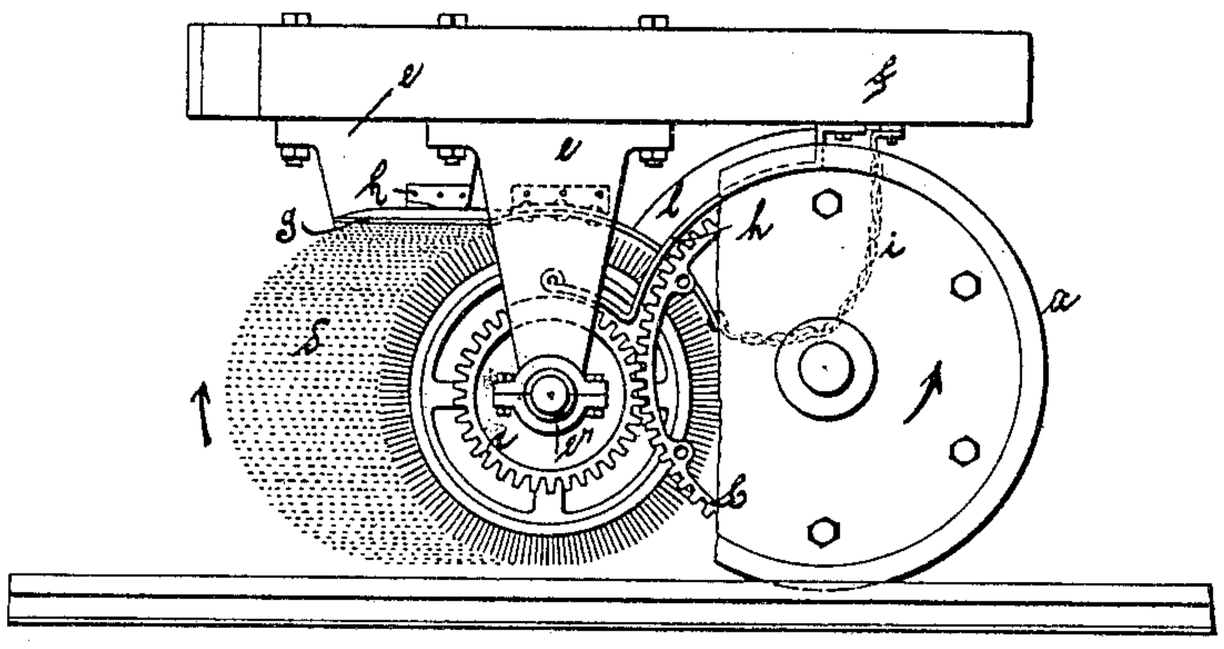

Fig. 1

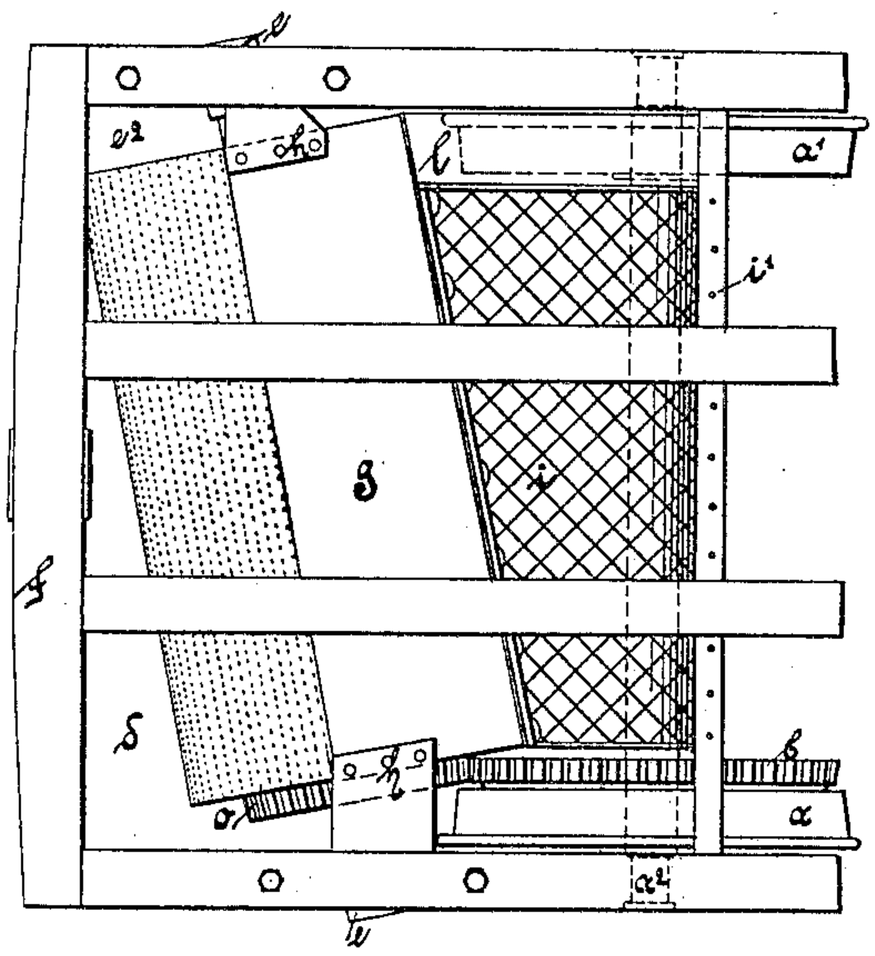

Fig. 2

WITNESSES:
F. W. Wright.
Beatrice Morris

INVENTOR
John Dobos
BY
Emmons R. Stowell
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN DOBOS, OF NEW YORK, N. Y.

CAR-FENDER.

No. 819,044. Specification of Letters Patent. Patented May 1, 1906.

Application filed January 23, 1906. Serial No. 297,409.

To all whom it may concern:

Be it known that I, JOHN DOBOS, a subject of the Emperor of Austria-Hungary, residing at 276 East Tenth street, New York city, in the State of New York, have invented certain new and useful Improvements in Car-Fenders, of which the following is a clear, full, and exact description.

This invention relates to street-car fenders and the like; and it has for its object to provide a simple, effective, and rotary-operated fender of the type in which a rotary brush or frame is carried in the fore part of the car beneath the frame and given rotation by suitable gearing connecting it with the car-axles or other moving part of the car.

My invention will be particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of part of a car-frame with my invention applied thereto, the car-wheel being shown partly broken away; and Fig. 2 is a plan view of Fig. 1.

As shown in the drawings, *f* represents the car-frame, *a a'* the car-wheels, which may be mounted in the usual manner beneath the frame upon an axle a^2. A gear *b*, preferably a miter-gear of a slight angle, is securely fastened to the axle or car-wheel, so as to turn with it. Forward of the axle a^2 upon the frame *f* I mount two depending brackets *e*, carrying at their lower ends pillow-block bearings *e'*, in which is mounted the oblique axle e^2, one of the bearings being advanced farther toward the front of the frame *f* than the other and the oblique axle being provided with a miter-gear *o*, adapted to mesh with the before-described gear *b* on the car-wheel axle. The axle e^2 carries a revolving brush or drum *d'*, which may be provided with a great number of relatively stiff bristles, and while above the drum and closely adjacent to its upper surface I secure a guard-plate *g*, fastened to brackets *h*, secured to the depending brackets *e*. Along the inner edge of the plate *g* I secure a flexible net-work guard *i*, which curves downwardly and upwardly, its upper end being secured to a transverse beam *i'*, fastened to the car-frame *f*.

In operation during the forward motion of the car the drum *d* will be rotated in a direction contrary to the advance of the car and pick up or brush aside any object with which it comes in contact. Should it pick an object up, the object will be carried upon its surface, thrown over the shield *g*, and caught in the network guard *i*. If the object picked up be merely dirt, small stones, or other small bodies, that will sift through the guard *i;* but if a substantial body, such as a child or small animal, be thrown over the guard-plate *g* it will be caught and held in the network guard free from harm.

I claim as my invention—

1. A street-car fender comprising a rotary brush obliquely set in the car-frame, a guard-plate above the brush and an open guard between the end of the first-named guard and the car-frame.

2. In a street-car fender, a miter-gear on the car-wheel shaft, an oblique shaft having a miter-gear meshing therewith, said oblique shaft carrying a drum with a brush-like surface, a guard-plate *g* mounted in brackets above the drum and having connected along its inner edge a flexible open-work guard *i*, the upper end of which guard is secured across the under side of the side frame.

Signed at New York city this 6th day of January, 1906.

JOHN DOBOS.

Witnesses:
ERNEST GINTZEL,
CONSTANTIN NEGOLSCEY.