

(No Model.)

W. H. GREGG.
VEHICLE FENDER.

No. 585,862.

Patented July 6, 1897.

Fig. I.

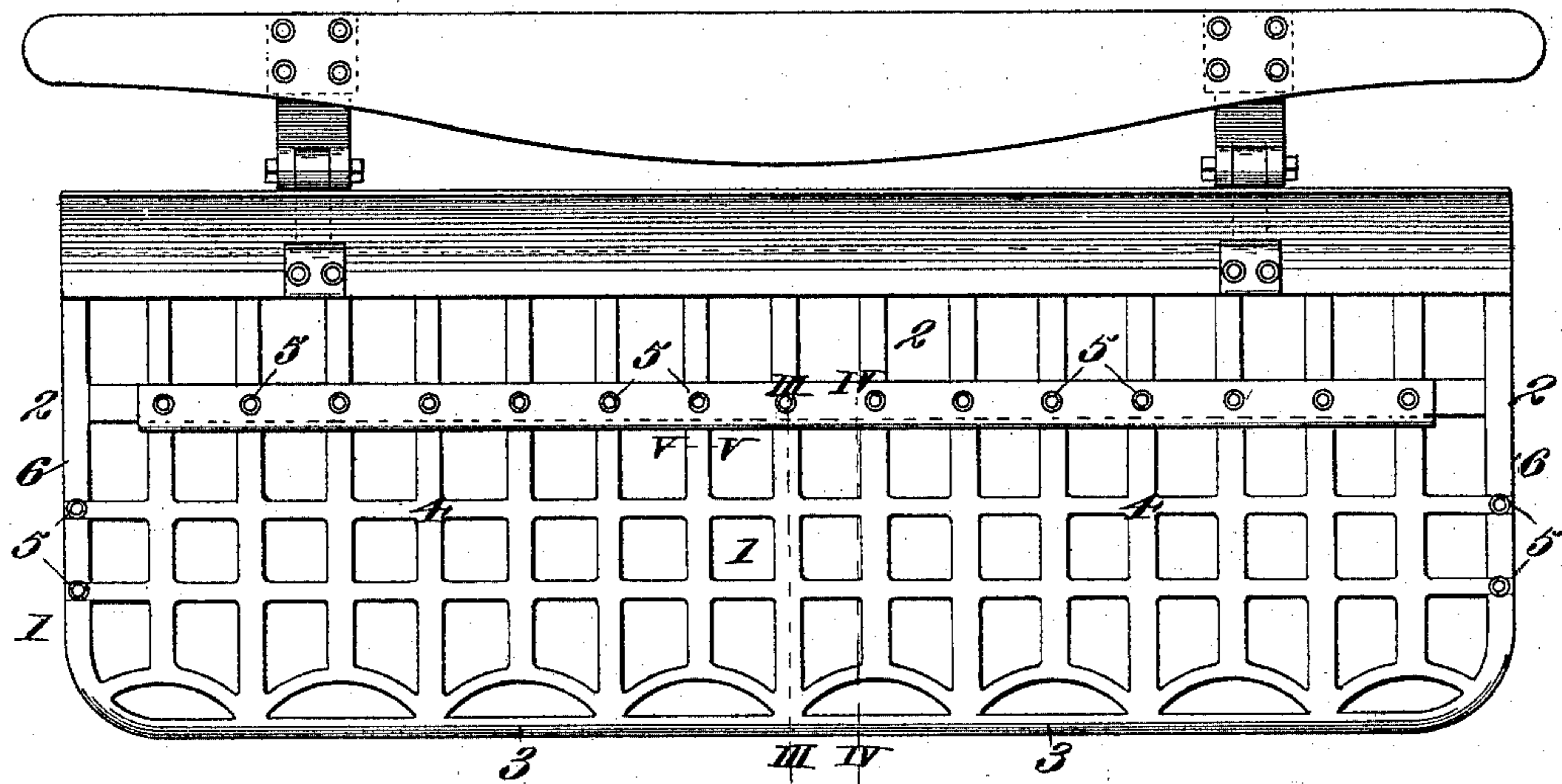
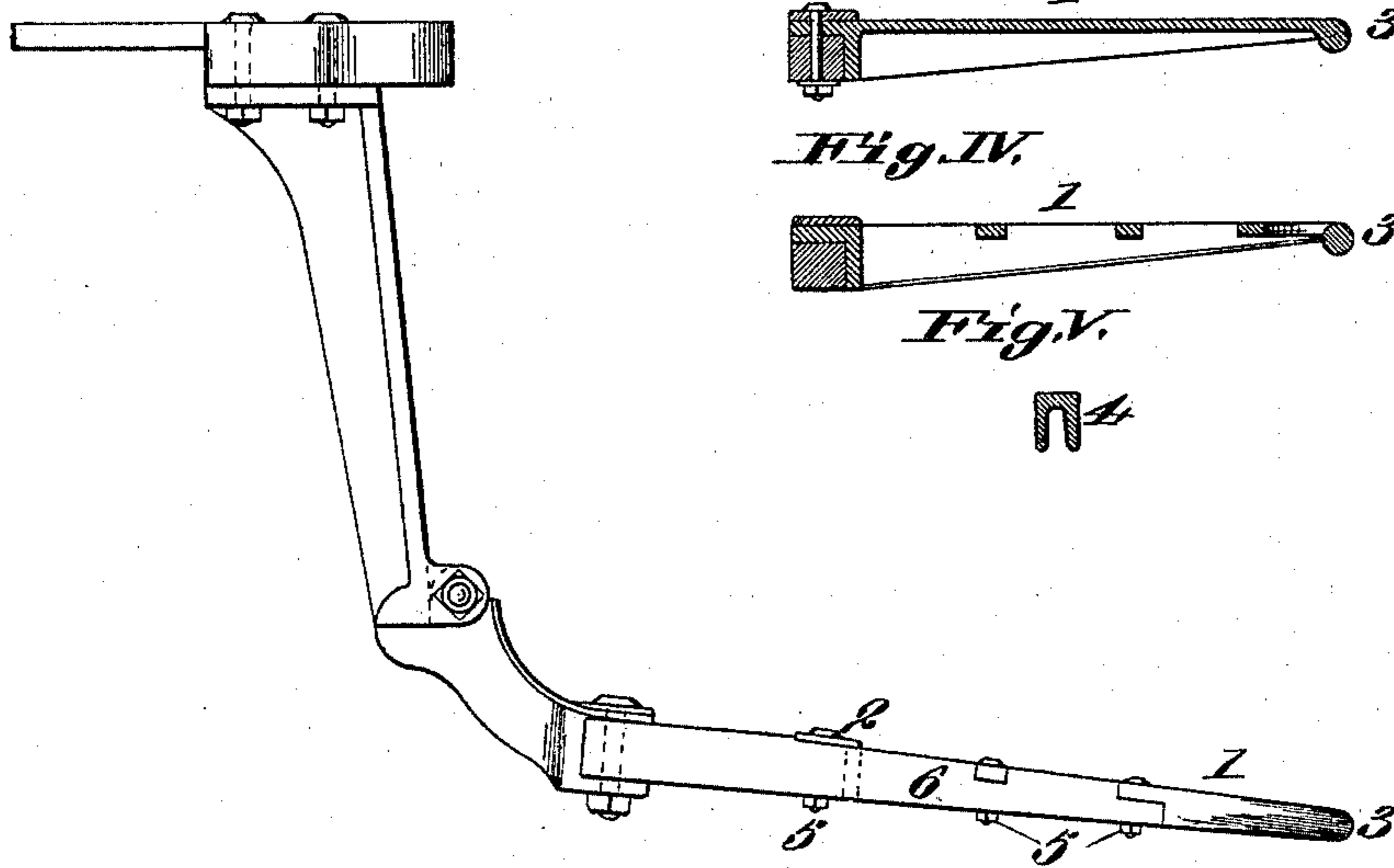


Fig. II.



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VEHICLE-FENDER.

SPECIFICATION forming part of Letters Patent No. 585,862, dated July 6, 1897.

Application filed January 11, 1897. Serial No. 618,778. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. GREGG, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Vehicle-Fenders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to an improved fender for railway-cars and other machinery-propelled vehicles, and it is well adapted for use on street-cars.

My invention particularly relates to a fender a substantial part of which is made of solid rubber, so that when a person is struck by or falls upon the fender there is but little danger of his being injured, as the fender will yield to the impact.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a top or plan view of my improved fender. Fig. II is a side view. Fig. III is an enlarged transverse section taken on line III III, Fig. I. Fig. IV is a similar view taken on line IV IV, Fig. I. Fig. V is an enlarged transverse section taken on line V V, Fig. I.

Referring to the drawings, 1 represents the outer part or section of the fender. The inner part of the fender I prefer to make of wood or metal, though it may be made of other material, and may, if desired, be made of rubber. The outer part or section of the fender is made of solid rubber. I prefer to make the border 3 of natural or virgin rubber and the filling 4 of vulcanized rubber. This outer section of the fender forms a durable, inexpensive, and yielding fender part, that will not injure a person that may be struck by or fall upon it.

I have shown the filling 4 in the form of lattice-work and the transverse bars of this lattice-work are preferably U-shaped in cross-section, as seen in Fig. V, so as to give strength and rigidity as well as lightness.

The outer section of the fender I have shown secured to the minor section by bolts 5 and I have shown the end bars 6 of the minor section extended to near the front of the outer

section to give support to the rubber outer section.

In the use of the term "rubber" I mean to include gutta-percha and like substances.

It will thus be seen that I provide a fender in which the striking and the holding or receiving portions are made of rubber or equivalent yielding material.

I claim as my invention—

1. As a new article of manufacture, a car-fender the body of the holding or receiving portion of which is made of solid rubber, substantially as set forth.

2. As a new article of manufacture, a car-fender having an outer section, the body of which including the striking and the holding or receiving portions is formed of solid rubber, substantially as set forth.

3. As a new article of manufacture, a car-fender the outer section of the body of which, including the striking and the holding or receiving portions, is made of solid rubber, and the inner section of wood or iron, substantially as set forth.

4. As a new article of manufacture, a car-fender the outer section of which is composed of a rim of natural or virgin rubber, and a lattice-work filling of vulcanized rubber, the transverse bars of which are U-shaped in transverse section, substantially as set forth.

5. As a new article of manufacture, a car-fender the outer section of the body of which, including the striking and the holding or receiving portions, is composed of solid rubber and the inner section of wood or iron, the end bars of the latter being extended to support the outer section, substantially as set forth.

6. As a new article of manufacture, a car-fender the outer portion of which is composed of a rim of rubber and a lattice-work filling of rubber, substantially as set forth.

7. As a new article of manufacture, a car-fender having an inner portion of unyielding material and an outer portion composed of a rim of rubber, and a lattice-work filling of rubber, substantially as set forth.

WM. H. GREGG.

In presence of—

GEO. H. KNIGHT,
E. S. KNIGHT.