

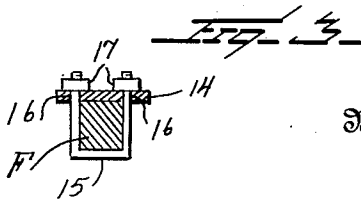
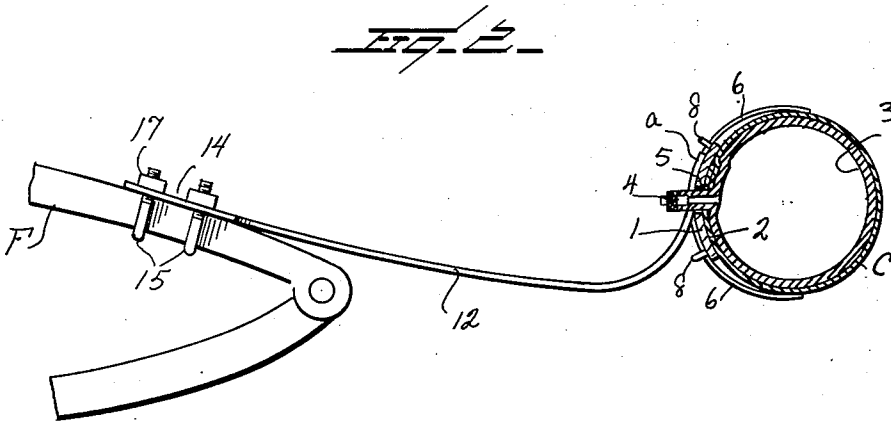
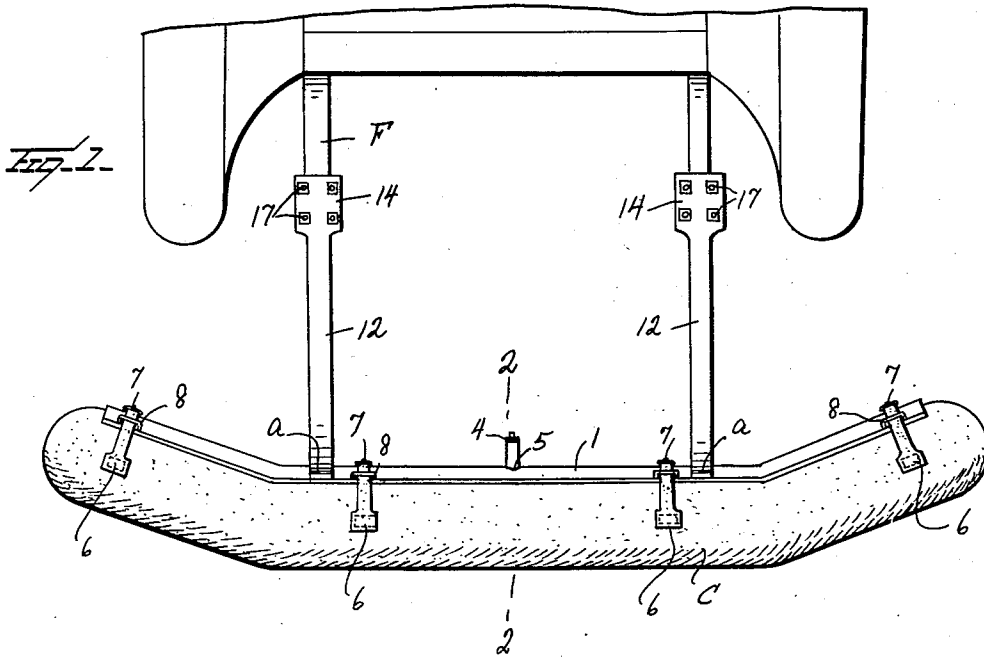
A. J. FINNEGAN.
FENDER.

APPLICATION FILED APR. 28, 1919.

1,313,282.

Patented Aug. 19, 1919.

2 SHEETS—SHEET 1.



Inventor

A. J. Finnegan

By

Watson E. Coleman

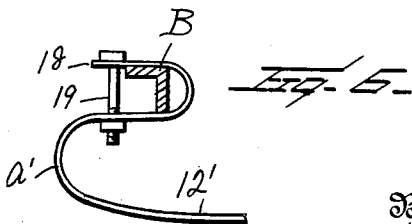
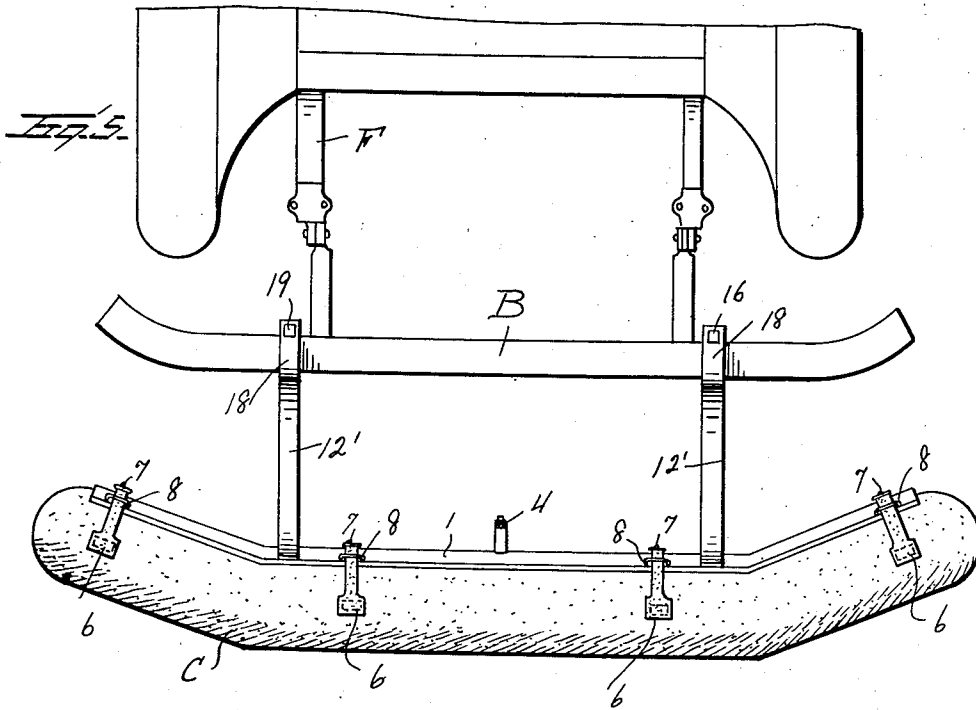
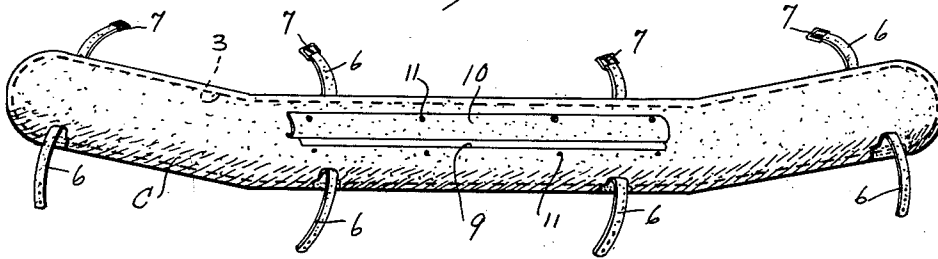
Attorney

FENDER.

Patented Aug. 19, 1919.

2 SHEETS—SHEET 2.

Fig 4



A. Finnegan

By *Watson E. Coleman*
Attorney

UNITED STATES PATENT OFFICE.

AMBROSE J. FINNEGAN, OF CASTALIA, IOWA.

FENDER.

1,313,282.

Specification of Letters Patent.

Patented Aug. 19, 1919.

Application filed April 23, 1919. Serial No. 293,110.

To all whom it may concern:

Be it known that I, AMBROSE J. FINNEGAN, a citizen of the United States, residing at Castalia, in the county of Winneshiek and State of Iowa, have invented certain new and useful Improvements in Fenders, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in fenders and has relation more particularly to a device of this general character especially designed and adapted for use in connection with motor driven vehicles, and it is an object of the invention to provide a novel and improved device of this general character which operates as a bumper and which is provided with means whereby the force of impact is materially absorbed so that the possibility of injury to a person or other obstruction with which the fender comes in contact is substantially reduced.

25 Another object of the invention is to provide a novel and improved device of this general character comprising a member adapted to be yielding supported in advance of the vehicle and disposed in a direction transversely thereof and wherein said member is provided with a shock absorbing agency, preferably constituting an inflatable pneumatic member.

30 An additional object of the invention is to provide a device of this general character comprising novel and improved means whereby an inflatable body may be effectively held in desired position and whereby said inflatable body is substantially incased or inclosed in a manner to protect the same.

40 The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved fender whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

50 In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:

55 Figure 1 is a view in top plan illustrating a fender constructed in accordance with an

embodiment of my invention and in applied position.

Fig. 2 is an enlarged sectional view taken substantially on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary view partly in section and partly in elevation illustrating a connection of a supporting spring with the frame or chassis of the vehicle.

Fig. 4 is a view in plan of the casing or covering as herein embodied.

Fig. 5 is a view in top plan illustrating a fender constructed in accordance with a further embodiment of my invention, and

Fig. 6 is a fragmentary view partly in elevation and partly in section of one of the supporting springs and its connection with the fender bar.

As is particularly illustrated in Figs. 1 to 4 of the accompanying drawings, my improved fender comprises an elongated rigid member 1 adapted to be disposed transversely of a vehicle and in advance thereof and having its outer face provided therealong with the groove or channel 2 substantially semicircular in cross section and in which is adapted to be arranged an inflatable body or member 3. The body or member 3 is of a length substantially equal to the length of the member 1 and in communication therewith substantially midway its length is an inflating valve 4 which, when the member or body 3 is in an extended position, extends through an opening positioned substantially midway of the member 1 and which valve extends rearwardly of said member so that said member or body 3 may be readily and conveniently inflated when the requirements of practice so necessitate.

C denotes a flexible casing or covering, preferably of leather, and of a length substantially equal to the length of the member 1 and of such width that when the casing or covering C is in applied position, the inflatable member or body 3 is incased and effectively protected from dust, the elements, and the like.

The casing or covering C adjacent its opposite ends and at points intermediate thereof has secured thereto the straps 6 or the like and each of said straps is of a length to extend beyond the opposite longitudinal margins of the casing or covering C and surround or embrace the member 1 so that said casing or covering C may be firmly held in

applied position yet capable of ready removal when the occasions of practice may require.

The extremities of each of the straps 6 are adapted to be buckled or otherwise coupled, as indicated at 7, and it is also of manifest advantage to have each of said straps threaded through the eyes or loops 8 carried by the member 1 above and below the groove or channel 2, so that said casing or covering C is positively held against slipping or displacement.

The central portion of the casing or covering C is provided with a longitudinally disposed slit or opening 9 to facilitate the insertion or removal of the member or body 3 without the necessity of the complete disassembling of the structure and said slit or opening 9 is closed by the flap or apron 10 maintained in closed position by the fastening members 11 which may be of any character desired or preferred.

Riveted or otherwise secured to the rear surface of the member 1 are the upstanding end portions *a* of the elongated springs 12. The opposite end portions of the springs 12 are fastened or clamped to the frame or chassis F of the vehicle. As herein disclosed, the end portion of each of the springs 12 engaged with the frame or chassis F is flattened to afford a plate 14 with which coact the substantially U-shaped members 15 straddling from below the side members of the frame or chassis F and having the free extremities of the arms thereof disposed through the openings 16 in the plate 14 and engaged with said arms and coacting with the plate are the clamping nuts 17.

In the embodiment of my invention as illustrated in Figs. 5 and 6, my improved fender is substantially the same construction as has been hereinbefore set forth except that the springs 12' are adapted to have their free end portions engaged with the fender or bumper bar B now generally in use. Said end portions of the springs 12' have their upwardly directed or curved portions *a'* terminating in the substantially horizontally disposed U-shaped clips or jaws 18 facing in a direction toward the vehicle and adapted to straddle said fender or bumper bar B. Coacting with each of said clips or jaws 18 is a clamping bolt 19 whereby an effective securing of the springs 12' may be had with the bar B.

From the foregoing description, it is thought to be obvious that a fender constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated,

and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A device of the character described including an elongated member, yielding attaching means carried thereby, an inflatable body disposed along the outer face of said member, and a casing overlying said inflatable body and detachably engaged with the member.

2. A device of the character described including an elongated member, yielding attaching means carried thereby, an inflatable body disposed along the outer face of said member, and a casing overlying said inflatable body, and straps carried by the cover adapted to embrace the member for holding the cover in applied position, said member being provided with eyes through which the straps are directed.

3. A device of the character described including an elongated member, yielding attaching means carried thereby, an inflatable body disposed along the outer face of said member, and a casing overlying said inflatable body and detachably engaged with the member, said member being provided therealong with a channel in which the inflatable body is seated.

4. A device of the character described including an elongated member, yielding attaching means carried thereby, an inflatable body disposed along the outer face of said member, a casing overlying said inflatable body and detachably engaged with the member, said member being provided with an opening, and an inflating valve carried by the body and extending through the opening of the member.

5. A device of the character described including an elongated member, yielding attaching means carried thereby, an inflatable body disposed along the outer face of said member, a casing overlying said inflatable body and detachably engaged with the member, said casing being provided with an opening, and a closure for said opening.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

AMBROSE J. FINNEGAN.

Witnesses:

HENRY A. DESSEL,
GEO. F. BERNHARD.