Dec. 8, 1925. 1,564,204

F. J. CLARK

BUMPER

Filed April 13, 1925

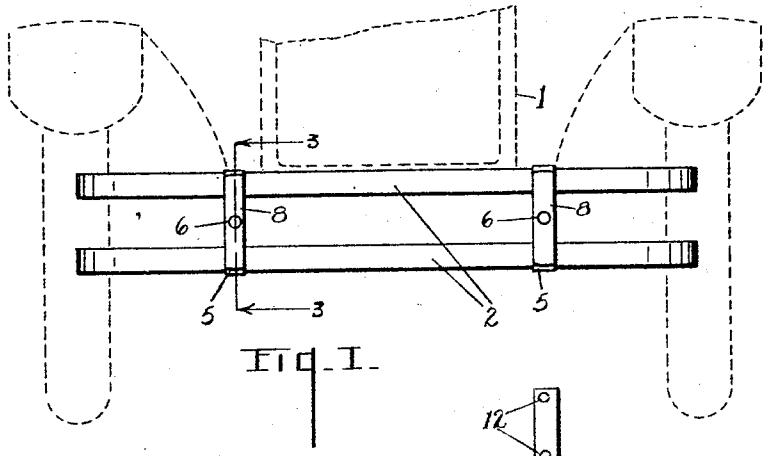


Fig. I.

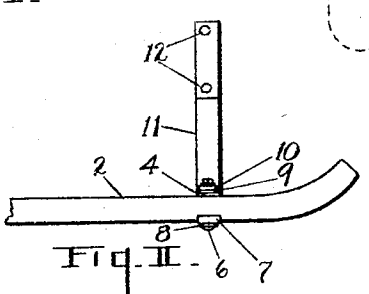


Fig. II.

Fig. III.

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UNITED STATES PATENT OFFICE.

FRANK J. CLARK, OF BATTLE CREEK, MICHIGAN.

BUMPER.

Application filed April 13, 1925. Serial No. 22,707.

To all whom it may concern:

Be it known that I, FRANK J. CLARK, a citizen of the United States, residing at Battle Creek, county of Calhoun, State of Michigan, have invented certain new and useful Improvements in Bumpers, of which the following is a specification.

This invention relates to improvements in bumpers.

The main object of this invention is to provide an improved bumper in which wood bars are employed, the wood bars being effectively supported against rattling and varying weather conditions.

Objects relating to details and economies of construction and operation will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this application, in which:

Fig. I is a front view of my improved bumper, portions of a motor vehicle being shown by dotted lines and to illustrate the mounting of the bumper in use.

Fig. II is a fragmentary plan view of the bumper removed from the vehicle.

Fig. III is a detail view partially in section on a line corresponding to line 3—3 of Fig. I.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, 1 represents a portion of a motor vehicle.

My improved bumper comprises a pair of bumper bars 2 of wood, preferably of rectangular cross section. These bars are held in spaced relation by the spacing blocks 3 and are held in assembled relation by means of the clamping members 4 and 5 arranged on opposite sides of the bumper and in alignment with the spacing blocks so that the clamping bolts 6 are disposed through the blocks.

The clamping member 5 is a bowed spring member and has inturned lugs 7 at its ends. A reinforcing leaf 8 is provided for the front clamping member and a reinforcing leaf 9 for the rear clamping member.

Bolts 6 are arranged through the upturned arms 10 on the supporting brackets 11, these supporting brackets being suitably conformed to be bolted to the vehicle, as by the bolts 12.

The parts of my improved bumper are very quickly assembled. The wood bars 2 are securely held in position and against rattling under varying weather conditions, that is, the shrinking and swelling thereof does not affect the clamping, the clamp yielding to permit this variation.

Bumper bars formed of wood are quite popular on account of the appearance and distinctive character thereof and my improvements are desirable in that the structure is inexpensive and at the same time the wood bars are effectively supported.

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

1. In a bumper, the combination of a pair of supporting brackets adapted for attachment to a motor vehicle and having upturned arms at their front ends, a pair of bumper bars, spacing blocks disposed between said bars in alignment with said arms on said brackets, pairs of clamping plates disposed in opposed relation, the front clamping plates being of bowed spring material and having lugs at the ends thereof engaging the edges of the bars, and clamping bolts disposed through said clamping members, spacing blocks and the arms of said brackets.

2. In a bumper, the combination of a pair of supporting brackets adapted for attachment to a motor vehicle and having upturned arms at the front thereof, a pair of bumper bars of wood, spacing blocks disposed between said bars, clamping means comprising a resilient clamping member engaging both the bars, and clamping bolts arranged

through said clamping members, spacing blocks and bracket arms.

3. In a bumper, the combination of supporting brackets adapted for attachment to a motor vehicle, a pair of bumper bars of wood, spacing blocks disposed between said bars, clamping means comprising a resilient clamping member engaging both the bars, and clamping bolts arranged through said clamping members, spacing blocks and brackets.

In witness whereof I have hereunto set my hand.

FRANK J. CLARK.