CLAIMS

1. A carbody of a railcar,

the carbody comprising:

an underframe;

a first member provided at ~~one of vertical sides~~ a vertically lower side of a vertical center of the underframe, supported by the underframe, and absorbing collision energy;

a supporting member including a supporting surface that supports the first member from behind, the supporting member fixed to and extending from a lower surface of the underframe, the lower surface of the underframe being a bottommost surface of the underframe: and

a second member provided at ~~the other vertical side~~ a vertically upper side of the vertical center of the underframe, supported by the underframe, and contacting an obstacle when the first member is compressed by collision with the obstacle,

in a case where the second member receives a reaction force from the obstacle when the first member is compressed by the collision with the obstacle, the second member transferring to the underframe a moment load that is opposite in a rotational direction to a moment load transferred to the underframe via the supporting member by the first member.

2. The carbody according to claim 1, wherein a front end of the second member is located behind a front end of the first member and in front of a rear end of the first member.

3. The carbody according to claim 1 ~~or 2~~, wherein~~:~~

~~one of the first member and the second member is provided at a lower side of the vertical center of the underframe;~~

~~the other member is provided at an upper side of the vertical center of the underframe; and~~

a vertical distance from a vertical center of the ~~other member~~ second member to the vertical center of the underframe is longer than a vertical distance from a vertical center of the ~~one member~~ first member to the vertical center of the underframe.

4. The carbody according to ~~any one of claims 1 to 3~~claim 1, ~~further comprising a supporting member including a supporting surface that connects the first member to the underframe and supports the first member from behind,~~ wherein:

the first member is an energy absorber ~~provided at a lower side of the vertical center of the underframe~~; and

the second member is a post member ~~provided at an upper side of the vertical center of the underframe~~.

5. The carbody according to claim 4, wherein:

the underframe includes

a first end beam located at a front end portion of the underframe and extending in a car width direction,

a second end beam located behind the first end beam and extending in the car width direction, and

a third member connecting the first end beam to the second end beam;

and

the third member is an energy absorber provided at a height position overlapping the vertical center of the underframe.

6. The carbody according to ~~any one of claims 1 to 3~~claim 1, further comprising a supporting member connecting the second member to the underframe and supporting the second member from behind, wherein

the second member is an energy absorber.

7. The carbody according to ~~any one claims 1 to 6~~claim 1, wherein the second member contacts the obstacle when the first member is compressed by an effective stroke amount by the collision with the obstacle.