[CLAIMS]

1.

A power rail-support unit, comprising:

a base portion that is integrally fixed on a track;

a guide rail on which a guide wheel of a side portion of a vehicle travelling on the track abuts;

a first fixing portion that is configured to fix the guide rail on the base portion;

a second fixing portion that is connected to the guide rail so as to be independent of the first fixing portion;

a bracket that is supported on the guide rail; and

a power rail that is supported by the bracket so as to be arranged at a predetermined relative position relative to the guide rail, and that slides on and makes contact with a collector of the vehicle,

wherein the guide rail includes:

a first flange that is fixed on the base portion by the first fixing portion;

a second flange that is disposed so as to face the first flange and on which the guide wheel is in contact; and

a connecting portion that connects the first flange and the second flange between the first flange and the second flange, and

wherein the bracket includes:

a fixed portion that is fixed to the connecting portion by the second fixing portion, and

an extending portion that extends in a direction away from the connecting portion from the portion of the second flange side of the fixed portion.

2.

The power rail-support unit according to Claim 1, wherein

the bracket has a cable support portion that supports a cable.

3.

The power rail-support unit according to Claim 1 or 2, wherein

the bracket and an insulator are integrally formed of an insulating member, and

the power rail is fixed and supported by the guide rail with the insulating member being interposed therebetween.

4.

The power rail-support unit according to any one of Claims 1 to 3, wherein

a spacer is provided that is configured to finely adjust a fixing portion of the power rail from the relative position by being interposed between the guide rail and the bracket.

5.

The power rail-support unit according to any one of Claims 1 to 4, wherein

the predetermined relative position is determined based on the positional relationship between the guide wheel of the vehicle and the power rail.

6.

The power rail-support unit according to any one of Claims 1 to 5, wherein

the second fixing portion is configured to be capable of adjusting a fixing portion of the bracket relative to the guide rail so as to be capable of finely adjusting the fixing portion of the power rail from the relative position.

7.

A guide-track transportation system, comprising:

the power rail-support unit according to any one of Claims 1 to 6; and

a vehicle.