

ABSTRACT

WATER DRAIN STRUCTURE FOR RAILWAY VEHICLES

With a water drain structure for railway vehicles, fire and smoke in occurrence of a fire is prevented from flowing into the vehicle, thereby further strengthening fire-and-smoke prevention measures.

At a normal state, a water drain pipe 12 is capable of outwardly discharging water accumulated in the vehicle. A lower end 12b of the water drain pipe 12 is provided with a closure 14 receiving heat from the outside so as to close an opening of the lower end 12b of the water drain pipe 12. The closure 14 is a box body 15 including a sidewall 163 at which an opening 16a is formed, and the box body 15 covering at least the lower end 12b of the water drain pipe 12. When the box body 15 receives heat above a predetermined temperature, a shutter 18 operates under its own weight so as to close the opening 16a of the box body 15. In the event of a fire, the closure 14 receives the heat to close the opening of the lower end 12b of the water drain pipe 12, so that it can more reliably prevent intrusion of smoke and flame from the outside into the vehicle via the water drain pipe 12.

FIG. 6