

ABSTRACT

The present disclosure provides a wheel guide track and a node of a shuttle traveling track. The wheel guide track includes a bent plate and multiple backing plates. The bent plate includes a first side plate, a second side plate and a groove plate. The groove plate is connected between the first side plate and the second side plate, the groove plate forms a traveling groove and two guide flanges, the traveling groove is located between the two guide flanges, and the traveling groove is configured to allow a wheel to travel. Multiple notches are opened on the bent plate, the backing plates are arranged in the respective notches, and the backing plates are flush with the groove bottom of the traveling groove. The wheels of a four-way shuttle are supported by the traveling groove, the wheels of the four-way shuttle are guided by the guide flanges, and the wheels of the four-way shuttle can pass the wheel guide track in the width direction of the bent plate by opening notches on the bent plate and arranging the backing plates in the notches. The wheel guide tracks can be seamlessly spliced with each other, and the four-way shuttle travels more stably on the wheel guide tracks with low noise generated.

FIG. 3