# ABSTRACT

## REAR YARD CRANE FOR AUTOMATIC TERMINAL

Embodiments of the present disclosure disclose a rear yard crane for an automatic terminal. The rear yard crane includes a support, a first carrier rail and a first carrier, a second carrier rail and a second carrier, a rotation mechanism and a hoisting mechanism. The support includes a beam positioned along a second orientation and posts supporting the beam. The beam extends to cover ground carrier rails and truck operation areas of the automatic terminal. The second carrier rail is positioned on the beam and the second carrier moves along the second carrier rail. The first carrier rail is positioned along a first orientation being perpendicular to the second orientation on the second carrier and the first carrier moves along the first carrier rail. The rotation mechanism is assembled on the first carrier and is able to rotate at least 90°. The hoisting mechanism is assembled on the rotation mechanism and rotates with the rotation mechanism. The hoisting mechanism includes a spreader for hoisting containers.

Fig 1