

Abstract

A crane system for carrying a load while suspending it from a gate-shaped body frame via wire ropes includes first and second wire ropes on both sides, in a right-and-left direction, of an upper portion of the body frame for fixing the suspended load, coordinates means for taking up and paying out the first and second wire ropes, and also includes means for winding the first and second wire ropes in opposite directions or winding in the same direction to take up and pay out these ropes. Furthermore, the first and second wire ropes may be looped together with the means of taking up and paying out the wire ropes, and movable pulleys may be moved, or the means itself may be moved. A drive unit may be installed laterally or upwardly. Connection points or sheaves may be provided on the suspended load directly or via a hoisting accessory. The number and locations of the connection points or sheaves may be adjusted, and the above means may be of an integral type. It is permissible to route the first and second wire ropes parallel to each other, provide a size change mechanism, or construct the hoisting accessory having a double structure. Also, the suspended load may be slightly turnable, and the above takeup and payoff means may be in a tapered drum form.