

Abstract of the DisclosureDEFLECTION DETECTING DEVICE OF SUSPENDED CARGO

(Figure 1)

Object: A deflection correction control is made for deflections wherein parallel deflections and skew deflections are commingled, and a carrying efficiency of suspended cargo is enhanced by shortening of a deflection correction time.

Construction: A deflection detecting device of a suspended cargo (3) for use in a crane in which a suspended cargo (3) is held by a suspension tool (2) suspended from a trolley (1) via ropes (2a) and said suspended cargo (3) is carried together with movement of said trolley (1), comprises a mark recognition means (7, 8) provided under said trolley (1) with its range of vision facing downwardly, a plurality of marks (9, 10), such as signs, etc. provided opposingly to said mark recognition means (7, 8) on said suspension tool (2), a picture processing device (11) to take a picture signal of the first mark (9) on said suspension tool (2) and a picture signal of the second mark (10) on said suspension tool (2) caught by the mark recognition means (11) provided under said trolley (1), a deflection amount computing means on both sides of right and left of said suspended cargo (3) in said picture processing device, and a deflection amount calculating means to calculate parallel deflection amount and skew deflection amount by use of said computed deflection amount.

This Sheet Has Been Replaced

