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HANDLING APPARATUS FOR AUTOMATIC WAREHOUSING ARRANGEMENT
FIELD OF THE INVENTION

A handling apparatus for warehousing arrangement which is supported on and guided by a floor rail installed in, for example, a factory for movement along a predetermined track provided in front of load-in/load-out sections of a rack. A pair of front and rear posts upstanding from a travel carriage of the handling apparatus and spaced from each other in the direction of horizontal movement of the carriage have opposed surfaces on which are formed front and rear guide faces. The elevator is guided at one and the other ends thereof by and along the front and rear guide faces so that the elevator is vertically movable along the guide faces. Cord members for vertical drive are arranged along the opposed surfaces of the pair of posts and are connected to the elevator. On the opposed surfaces of the posts at positions opposite to the cord members is defined a relief spacing between each cord member and each respective post.

(FIG. 1)