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ABSTRACT OF THE DISCLOSURE

A part transporting apparatus comprises: a guiding groove for lining up parts in one row and guiding the parts; a transporting member which is provided at the base of the guiding groove and transports the parts in a forward direction by itself moving forwards and backwards along the groove; and a driving means for reciprocally driving the transporting member in the forward and backward directions; wherein the transporting member is advanced slowly and retracted rapidly, so as to transport the parts forwards. Provided to this arrangement are: a stopper which operates so as to open and close in the width direction of the guiding groove, and hold the second part from the front of the row of parts being transported on the upper plane of the transporting member; and a shutter for opening and closing at the tip of the guiding groove, so as to cover the space above the first part in the row so as to prevent the part from flying out. The shutter is opened synchronously with the transporting member immediately before forward movement of the transporting member is completed, thereby extracting the first part separated from the second part. Such an arrangement provides for an apparatus for transporting parts, wherein the first part and second part can be separated in a sure manner even in the event that the parts are non-magnetic material, and wherein ease and stability of extracting of the first part is facilitated.

