

ABSTRACT

DOFFING APPARATUS OF A HIGH-SPEED HIGH-STAND FABRIC TAKE-UP DEVICE

The present invention discloses a doffing apparatus of a high-speed high-stand fabric take-up device, which is applicable to a fabric take-up device having a higher fabric-storage volume. The doffing apparatus has safety pins and control handles in the side-frame casings of the fabric take-up device. Via shifting the control handles to change the relative positions of the safety pins, the safety pins can be inserted into the rod shafts of the fabric-winding rod so that the coupling between the drive wheels and the rod shafts can be enhanced and the safety of a fabric-winding operation can be promoted. Further, hydraulic cylinders are installed between the side-frame casings of the fabric take-up device and the support brackets sustaining the fabric-winding rod. Via the hydraulic cylinders providing a buffer force for the support brackets, the support brackets can rotate and descend slowly, and the safety of a fabric-doffing operation can be promoted.

(FIG. 3)