

ABSTRACT

A groove inclined path for diagonally downwardly delivering hydrogenated petroleum resin pellets loaded through a loading port is provided in a storage hopper for storing the hydrogenated petroleum resin pellets. The groove inclined path is defined by a plurality of groove-inclined-path members (72B) each having an inclined plate (72B1) and side plates (72B2) to define a groove structure, the groove-inclined-path members (72B) being vertically disposed so that flow directions of the hydrogenated petroleum resin pellets become opposite. The vertically adjacent ones of the groove-inclined-path members (72B) are disposed so that the hydrogenated petroleum resin pellets dropped from upper one of the groove-inclined-path members (72B) are brought into contact with the plate member (72B3) of immediately lower one of the groove-inclined-path members (72B) to reverse a flow direction thereof, thereby reducing a flow speed of the hydrogenated petroleum resin pellets. An impact applied when the hydrogenated petroleum resin pellets loaded through the loading port are dropped downward is reduced, so that the breakage of the hydrogenated petroleum resin pellets when being stored can be avoided.