

The invention concerns hoisting machines, namely, the design of safe twin tackles, forming part of lifting systems and preventing from dropping of the load in case of rope break. A safe twin tackle contains a mobile pulley block bent by ropes, some ends of which are fixed on the winch drum, and other ends - on the equalizing drum, internal space of which is divided into two hollows by two longitudinally located plates. One of the plates is mobile and is fixed on internal surface of the shell of drum, and the second one is fixed and fastened on its shaft. The hollows are filled with liquid, for overflow of which from one cavity into another at appropriate resistance there are choke elements. The choke elements are corresponding section of internal surface of mobile plate and choke groove executed on the surface of shaft is perpendicular to its axis, the groove in its middle part has constant section, and along the sides – variable section. Technical result consists in simplification of the design, procedures of manufacture and assembly of the unit of equalizing drum.