

HOISTING CRANE AND OFFSHORE VESSEL

ABSTRACT

5

A hoisting crane has a substantially hollow vertical column with a foot which is or can be fixed to a support, and with a top.

Furthermore, the hoisting crane has a jib with an associated annular bearing structure which extends around the vertical column and
10 guides and carries a jib connection member, so that the jib connection member can rotate about the column, the jib connection member forming a substantially horizontal pivot axis so that the jib can be pivoted up and down.

15 Furthermore, the hoisting crane has a first and second winch and an associated first and second hoisting cable for hoisting a load. At the top of the vertical column there is a top cable guide, and furthermore there is a hoisting cable guide on the jib of the hoisting crane.

20

The first and second winch are disposed in or in the vicinity of the foot of the vertical column, so that the first and second hoisting cable extend from the first and second winch through the hollow vertical column to the top cable guide and then to the hoisting
25 cable guide on the jib.

The top cable guide comprises a rotary bearing structure, so that the top cable guide can follow rotary movements of the jib about the vertical column and adopt substantially the same angular position as
30 the jib.

The top cable guide has a left side provided with a first hoisting cable pulley assembly for said first hoisting cable and a right side provided with a second hoisting cable pulley assembly for said
35 second hoisting cable.

The hoisting cable guide on said jib has a left side provided with a first hoisting cable pulley assembly for said first hoisting cable and a right side provided with a second hoisting cable pulley

assembly for said second hoisting cable.

5 The first hoisting cable extends diagonally to a first hoisting cable pulley mounted on said right side of the hoisting cable guide on said jib, and said second hoisting cable extends diagonally to a second hoisting cable pulley mounted on said left side of the hoisting cable guide on said jib.

10 The first hoisting cable and second hoisting cable extend from said first and second hoisting cable pulley of said cable guide on said jib to a first hoisting cable crane hook pulley assembly and a second hoisting cable crane hook pulley assembly on the right and left side of a crane hook block (respectively, and from there in a one or more cable fall arrangement between each of said crane hook pulley assemblies and an associated jib pulley assembly on said jib, 15 wherein said first and second hoisting cable further each extend between the associated jib pulley assembly and the right side and left side of the top cable guide, respectively.

20

Fig. 1