

HOISTING CRANE AND VESSEL WITH SUCH A CRANE

Abstract

5 A hoisting crane (20), comprising: - a substantially hollow vertical column (21) with a top (23), - an annular bearing structure (25), which and carries a jib connection member (26), - a jib (24) - a column top cable guide (40; 140) - a topping winch (30) and an associated topping cable (31) for pivoting the jib (24) up and down, -hoisting cable (36) for hoisting a load,- wherein hoisting cable and the topping cable extend from the
10 associated winch upward through the column to the column top cable guide to the jib, which is mounted via a bearing structure at the top of the column, rotary movements of the jib about the vertical column. In an embodiment a mobile subframe (86; 150) is mounted on column top cable guide (40; 140), and supports an intermediate topping cable pulley assembly (88; 153), such that - in a topped up position of the jib - an angle
15 alpha between the jib and the topping cable is greater than the angle between jib and an imaginary line to the topping cable pulley assembly on the column top cable guide. In another embodiment a mobile subframe (80,85) is provided externally to the column, mounted on the jib connection member (26).In further embodiments the column has a separate upper part (211,212) which can be lowered, or a pivot assembly (215) at the
20 foot of the column which allows the column to be fitted to a transport position.

Fig. 15B