

APPARATUS FOR LOADING AND UNLOADING CARGO AT SEA-SIDE
OF SHIP

Abstract

5 Disclosed is an apparatus for loading and
unloading cargo at a sea-side of a ship mooring at a
quay wall, thereby enabling cargo to be loaded or
unloaded simultaneously at both sides of the container
10 ship by both cargo-handling apparatuses at the sea-side
and the land-side. The apparatus comprises: a barge
having a mooring side corresponding to one side of the
ship; a barge anchoring unit for anchoring and
releasing the barge at and from a predetermined place;
at least one container crane disposed on an upper
15 surface of the barge and being movable in a longitudinal
direction of the barge; and at least one drawbridge for
connecting an end of the mooring side of the barge to
the quay wall. The apparatus remarkably improves the
cargo-handling capability of a harbor in comparison with
20 that by the prior art. Further, the apparatus reduces
the time for which a ship stays at a quay wall, thereby
improving the availability of the quay wall and reducing
the physical distribution cost.

25 FIG. 1