

Leith COPY.

C.18538

Lloyd's Register of Shipping.



Port NEWCASTLE ON TYNE

17th July, 1944.

This is to Certify that

W.A. ALLAN & C.W. WHITE,

the undersigned Surveyors to this Society did at the request of
Messrs. Clarke, Chapman & Co. Ltd., attend on 14th June, 1944, /
at their Victoria Works, Gateshead-on-Tyne, for the purpose of
examining and testing one electrically-driven 5 tons Capstan
intended for Messrs. H. Robb Ltd's S.335.

The Capstan is driven by the Makers' 25 H.P., 220
volts 96.5 amps. D.C. electric Motor, No. 16623, through a
slipping plate-clutch and machine-cut spur gearing, forged
steel worm and phosphor bronze worm-wheel. The motor and
gearing drive are self-contained on a cast steel bed-plate to
be slung below deck and the capstan barrel arranged on a cast
steel stool immediately above.

The capstan was subjected to the following load
tests on either hand with satisfactory results:-

1. Lifted and lowered on both sides of barrel 5 tons
at 50 feet per min.
2. Lifted and lowered $2\frac{1}{2}$ tons at 100 feet per minute,
right hand.
3. A 50% overload was applied to ensure that every
part of the gear had been subjected to stress.
4. The slipping clutch was adjusted to render at 50%
overload.

The general performance of the capstan was satisfactory
and as far as could be seen, the materials and workmanship good.

For the purpose of identification, the capstan
gear-case was stamped :-

LOAD TESTED
LLOYD'S NO. 12637
26.6.44 W.A.A.

Fee:- £2.2.0.

W.A. Allan *C.W. White*
SURVEYORS TO LLOYD'S REGISTER.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:-

"While the Committees of the Society use their best endeavours to ensure that the functions of the Society are properly
executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances
whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any
entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its
Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."