

COPY.

Lloyd's Register of Shipping.



Port MONTREAL, Que.

November 10th, 1944.

CERTIFICATE NO. 5259

This is to Certify that

T. O. MORRIS

the undersigned Surveyor to this Society did at the request of

SOREL STEEL FOUNDRIES LIMITED, SOREL, P.Q., examine and test at their Works on the 6th November, 1944, ONE (1) Cast Steel BOWER ANCHOR of the stockless type, weighing 7651 lbs. (head 5630 lbs., shank 1754 lbs., shackle and pins 267 lbs.) and, so far as could be ascertained, found to be good castings.

After the HEAD and SHANK had been dropped, from separately, from a clear height of 12 feet on to an iron slab, they were hammered, whilst suspended, and gave no indication of defects.

Satisfactory tensile and bend tests were made from test pieces cast with the ANCHOR parts, as follows:-

	Ultimate Tensile lbs. per sq. in.	Yield Point lbs. per sq. in.	Extension % on 2 inches	Reduction of Area %
<u>TENSILE TESTS:</u>				
HEAD	62,000	37,200	37.0	59.0
SHANK	78,800	43,600	29.0	46.9
<u>BEND TESTS:</u>	135° without fracture.			

This ANCHOR has been made for "Canadian" Type 10,000 Ton Cargo Vessel, to the Order of Wartime Shipbuilding Limited Order No. 1419, Req. CAN-442, dated February 9th, 1944, and is marked:-

Annealed Steel (HEAD) L.R.
5630 lbs.
T.O.M. 5259
6-11-44

(SHANK) L.R.
1754 lbs.
T.O.M. 5259
6-11-44

In view of the satisfactory nature of the above tests, it is recommended that this ANCHOR be accepted for use in Vessels classed with the Society, subject to a suitable notation on account of the statutory tests not having been made.

T. O. Morris
SURVEYOR 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."