

*AURETTA*

GLASGOW REPORT No. 55948

COPY.

# Lloyd's Register of Shipping.



Port GLASGOW,

1st August, 1935.

**This is to Certify** that

L.C. DAVIS,

the undersigned Surveyor to this Society did at the request of Messrs. David Rowan & Co., Ltd., attend their Works on the 30th of March, 1935 and subsequent dates for the purpose of examining during construction and testing one Rowan-Gotaverken Turbo Compressor, designated in their Works as T.C. 68 and intended to be fitted with their Engines No. 980 in the new Steamer "AURETTA", of Gibraltar, Messrs. Burntisland S.B. Co's Yard No. 186.

The Turbine, Compressor, Centrefugal Food Pump, and Feed Water Heater were examined by the undersigned in their several stages through the shops. Hydraulic tests were made, the turbine casing being subjected to 20 lbs. per square inch, the compressor casing to 180 lbs. per square inch, and the Centrifugal Feed Pump Casing to 570 lbs. per square inch. These proved satisfactory and the casings were stamped as below.

The low pressure feed water heater was hydraulically tested. The pressure to which the casing and tubes were subjected is as shown in the marks on the feed water heater, below.

The oil operated valve for changing over the main engine exhaust to either turbine or condenser was tried and found satisfactory in operation.

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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."



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On completion the turbine was tried under steam when a speed of 10,250 revs. per minute was attained, i.e. 1.35 x normal running speed. At all speeds the turbine ran satisfactorily and no vibration was apparent.

The turbine was subsequently opened for examination and found in good condition.

Mark on Rotor Shaft.

LLOYD'S  
No. 336  
L.C.D.  
29.7.35.

Mark on Turbine Casing.

LLOYD'S TEST  
20 lbs.  
30.3.35  
D.C.B.

Mark on Compressor Casing.

LLOYD'S TEST  
180 lbs.  
31.5.35.  
L.C.D.

Mark on Feed Pump Casing.

LLOYD'S TEST  
570 lbs.  
24.6.35.  
L.C.D.

Mark on Loe Pressure Feed Water Heater:

Cast Iron Shell.

LLOYD'S TEST  
30 lbs.  
14.6.35.  
L.C.D.

Tubes.

LLOYD'S TEST  
50 lbs.  
18.6.35.  
L.C.D.

Surveyor to Lloyd's Register of Shipping.

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