

s.s. "BODEN".

No. 65815 in Register Book.

Exhaust Steam Turbine Installation by Messrs. Kockums Mek. Verksted.

IT IS SUBMITTED that with steam reciprocating engines for open sea service having cylinders $26\frac{1}{2}$ " , 43" and 72" diameter by 48" stroke, working pressure 180 lb. per sq. inch combined with an exhaust turbine on the Bauer-Wach system, the reciprocating engines developing 1520 Indicated Horse Power and the turbine 675 S.H.P. at the primary pinion, the revolutions per minute of the propeller being 65 when the reciprocating engines and turbine are working in conjunction, the existing sizes of shafting, viz:- intermediate $13\frac{1}{4}$ " diameter and screwshaft with continuous liner and the existing propeller $14\frac{3}{4}$ " diameter, merit approval, in accordance with the usual practice.

Further, the proposed size of thrust shaft, viz:- 352 mm. diameter also merits approval.

The particulars of the materials for the wheel shaft hydraulic coupling, turbine intermediate and turbine shafts and the wheel rims are noted and considered satisfactory.

The following plans also merit approval:-

thrust shaft with coupling piece.

hollow wheel shaft.

turbine and turbine gear shafts.

Return plans - retain copies.

Plan of turbine and gear seatings and alterations to thrust block recess to be sent to "M" Department.

Submitted for approval regarding the turbine seating recess construction, as amended

14.6.29.

W455-0126