

Messrs. Swan Hunter & Wigham Richardson Ltd.

Orders Nos. 1316 and 1318.

T.S.S. "PORT DARWIN" and "PORT DENISON".

Bauer-Wach Installation.

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IT IS SUBMITTED that with steam reciprocating engines for open sea service and having cylinders  $22\frac{1}{2}$ ", 38",  $63\frac{1}{2}$ " diameter by 45" stroke, working pressure 200 lb. per sq. inch, combined with an exhaust steam turbine on the "Bauer-Wach" system, each reciprocating engine having an I.H.P. of 1750 and the exhaust steam turbine a S.H.P. of 1000 at the primary pinion, and revolutions per minute of the intermediate shaft 84.6 when the reciprocating engine and turbine are working in conjunction, the sizes of shafting, viz:- existing intermediate shafts  $12\frac{1}{2}$ " and proposed new thrust shaft 350 mm. (13.78") diameter merit approval, in accordance with the present practice.

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Lr. Hwc  
24/8/28

*J.R.B.*  
*H.D.*

24.8.28.



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