

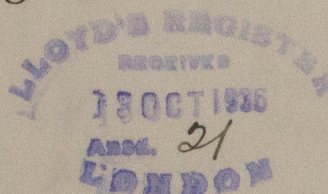


All communications to be addressed  
THE SURVEYORS  
Lloyd's Register of Shipping  
Copenhagen, K.  
Reference

# Lloyd's Register of Shipping,

28<sup>1</sup>, Sankt Annæ Plads,

Copenhagen, K. 12th October, 1936.



The Secretary,  
Lloyd's Register of Shipping,  
London.

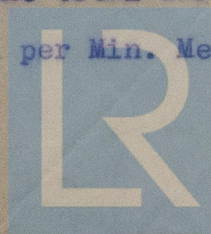
Dear Sir,

We have to-day per commercial papers' post forwarded for the consideration of the Committee plan, in triplicate, of the crank shafts for the main engines of the M.S. "BENJAMIN FRANKLIN" of Oslo ("Penhoët T.5").

These engines are direct reversible 6 cyl. 4 SCSEA Diesel engines with air injection, 740 mm. diam. of cylinders, 1300 mm. stroke.

The Owners now intend to convert these engines to the solid injection system and supply the existing crank shafts with balance weights as shown on the plan.

After the conversion the total IHP will be 6440, equalling 5100 EHP, at 128 Rev. per Min. Mean indicated



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W340-0074 (112)



2.

pressure in cylinders  $p_m = 6.75 \text{ kg/cm}^2$ ,  $p_{\max} = 49 \text{ kg/cm}^2$ .

Turning wheel  $GD^2 = 15500 \text{ kgm}^2$ . Balance weights combined  $GD^2 = 26000 \text{ kgm}^2$ .

I am, Dear Sir,

Yours faithfully,

*W. L. Liff*

SURVEYOR TO LLOYD'S  
REGISTER OF SHIPPING



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W340-CC74 (21)



Referred to the Chief Engineer Surveyor

P.E.C.

13 OCT 1936



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