

COPY.

5 NOV 1949

# Lloyd's Register of Shipping.



Port

of Düsseldorf  
Achenbachstrasse 17

24th July 1949

Number of  
revolution

520 r.p.m. No. 16926

520 r.p.m.  
515 r.p.m.  
510 r.p.m.  
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500 r.p.m.

This is to Certify that

Pranz Schnell

undersigned Surveyor to this Society did at the request of

Messrs. Osnabrücker Kupfer- u. Drahtwerke of Osnabrück attend  
their work at Osnabrück on the 20th July 1949 for the purpose  
of inspecting and testing the undermentioned centrifugally cast  
bronze Tailshaft Liner, ordered by Messrs. Stahlwerk Osnabrück.

A centrifugally cast bronze tail shaft liner of 454/457,22 mm  
diam. 412,76/415,94 mm ins. diam. 3315 mm of length

Results of tests.

Sample No.	Diam. of sample	Tensile ten. Kg/mm <sup>2</sup>	Elongation % in 50 mm	Bend
1	14,1	27,9	16,-	

and test 90 degr. satisfactory.

The liner was inspected internally and externally and was found  
as far as could be seen sound and free from surface defects.

Identification marks: LLOYD'S F.S. 276 PS 20. 7. 49.

A vice note attached.

*J. Schnell*  
Surveyor to Lloyd's Register of Shipping

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