

COPY.

# Lloyd's Register of Shipping.



Port of STETTIN,

27th December, 1937.

No. AS.2.17668, No. 80585-12.  
s. Rheinmetall-Borsig A.G.  
Berlin-Tegel.

This is to Certify that

-- N. S t o l t e --

the undersigned Surveyor to this Society did at the request of Messrs. Mitteldeutsche Stahlwerke A.G., Lauchhammerwerk Riessa, examine at their works in Riessa on the 9th November, 1937, the following seamless drawn steel pipes:-

Apt. 620.- m. of 38.- mm. outside dia., 4.- mm. thickness,	
1.- " "	70.- " " " , 8.5 " "
1.- " "	89.- " " " , 9.5 " "
1.5 " "	42.3 " " " , 6.5 " "
2.5 " "	21.25" " " , 4.5 " "

and found, so far as can be seen, free from surface defects.

Samples of these pipes were subjected to 20% expanding, close flattening- and crushing tests, which they withstood well, showing neither cracks nor flaws.

Their tensile strength was found to be between 38.3 and 42.4 kg. per sq.mm. with elongations of 38.- to 24.-% in 200 mm.

20% of the pipes of 38 x 4 mm., and all others were tested in the presence of the undersigned by water pressure to 210 kg/sq.cm. and found tight and sound at that pressure.

On the 22nd December, 1937, examined at the above works three CO<sub>2</sub> evaporator coils made from these pipes, intended for the Refrigerating machinery of Messrs. P. Smit Jr., Yard No. 515.

These coils have been tested in the presence of the undersigned by water pressure to 210 kg/sq.cm., and afterwards by air pressure to 105 kg/sq.cm. whilst submerged in water, and were found tight and sound at that pressure.

Each coil was marked:- Lloyd's Test 210/105 Ats. *NS* 22.12.37. in way of one header.



*N. Stolte*

Surveyor to Lloyd's Register.

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 performed, it is to be understood that neither the Society nor any Member of any of its Committees is under any circumstances 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."