

Lloyd's Register of Shipping.

Order: 5787/119.

Surveyors' Office, DÜSSELDORF.

This is to certify, that Franz Schnell the undersigned surveyor to this Society tested in the works of Hess. Vereinigte Stahlwerke A.G. Stahl- & Walzwerke Pilsen of Kailheim/Röh. the annealed Siemens-Martin Boiler steel plates specified hereunder, ordered by Hess. Larima Dockyard of Kaba for the ship No. _____ Boiler No. _____ and that the results of tests were as are set forth below.

| Batch-number. | Dimensions in mm | | | Intended for | sample number | Charge-number | Tensile tenacity <i>kg. p. sq. mm</i> | | | Elongation in 200 mm. in % | Bending tests. | | Remarks. |
|---------------|------------------|----------|-------------|--------------|---------------|---------------|---------------------------------------|------------|----------|----------------------------|----------------|------------|----------|
| | Length. | Breadth. | Thick-ness. | | | | Asper- rules. | Ord- ered. | By test. | | Cold. | Tem- pered | |
| 1 | 10100 | 1800 | 28 | | 1 | 5411 | 41/47 | 46.0 | 29 | good | good | | |
| | | | | | 1 | | | 44.2 | 28 | " | " | | |
| 1 | " | " | " | | 2 | " | " | 45.0 | 30 | " | " | | |
| | | | | | 2 | | | 45.5 | 29 | " | " | | |
| 1 | " | " | " | | 3 | " | " | 46.3 | 26 | " | " | | |
| | | | | | 3 | | | 42.9 | 23 | " | " | | |
| 1 | " | " | " | | 4 | " | " | 46.2 | 28 | " | " | | |
| | | | | | 4 | | | 45.6 | 24 | " | " | | |
| 1 | " | " | " | | 5 | " | " | 45.2 | 27 | " | " | | |
| | | | | | 5 | | | 44.7 | 26 | " | " | | |
| 1 | " | " | " | | 6 | " | " | 46.3 | 28 | " | " | | |
| | | | | | 6 | | | 43.5 | 27 | " | " | | |
| 1 | " | " | " | | 7 | " | " | 44.8 | 28 | " | " | | |
| | | | | | 7 | | | 43.1 | 27 | " | " | | |
| 1 | " | " | " | | 8 | " | " | 45.7 | 27 | " | " | | |
| | | | | | 8 | | | 43.7 | 27 | " | " | | |

Düsseldorf 27th June 1933.

F. Schnell
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 Committee use their best endeavours to ensure that the functions of the Society are properly executed, it is to be understood that neither the Committee nor the Society are under any circumstances whatever 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 the Surveyors, or other Officers or Agents of the Society."

N.B.—Material with less than 26 Tons tensile strength may not be used in the construction of boilers for classed vessels, unless specially sanctioned by the Committee.

1 Ton per square inch = 1,574 Kilo per square millimeter. 1 Kilo per square millimeter = 0,635 Tons per square inch.

