

6<sup>TH</sup> OCT. 1937.

MAIN BOILER SAFETY VALVES

GEORGE CLARK (1936) LTD CONTRACT N° 1211

MESSRS SIR JAMES LAING & SONS LTD SS N° 721

WORKING PRESSURE 220 LBS D

$$\begin{array}{l} \text{AGGREGATE AREA OF} \\ \text{SAFETY VALVES IN SQ INCHES} \end{array} = \frac{T.H.S \times E}{(P+15) \times 4.8} = \frac{2608 \times 6}{235 \times 4.8} = 13.872$$

*26.44      14.10*

$$\frac{13.872}{2} = 6.936 \text{ AREA OF EACH VALVE}$$

*14.10      7.05*

$$\text{EQUIVALENT IMPROVED HIGH LIFT} = \frac{6.936}{2} = 3.468 \text{ AREA}$$

*7.05      3.57*

*d = 2.12" each*

SAY 2 - 2<sup>1</sup>/<sub>4</sub> DIA VALVES

VALVES TO BE "COCKBURNS" IMPROVED HIGH LIFT

TO LLOYDS SURVEY

GEORGE CLARK (1936) LIMd.,  
SOUTHWICK ENGINE WORKS,  
SUNDERLAND. *hc*

*cds*

6-10-37



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Enclosure from

GEORGE CLARK (1936) LTD.

For

*Lloyds*



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