

SUPERHEATER SAFETY VALVES

6TH OCT 1937

CAST STEEL

GEORGE CLARK (1936) LTD CONTRALT N° 1211

MESSRS. SIR JAMES LAING & SONS LTD S.S. N° 721

WORKING PRESSURE 220 LBS □

SUPERHEAT TEMP 630° F

TEMP OF STEAM AT → 395.6° F ×

235 LBS ABSOLUTE 234.4° F SUPERHEAT

AGGREGATE AREA OF = $A \times \left(1 + \frac{T}{1000}\right) =$
SAFETY VALVES

$$\overset{14.10}{13.872} \times \left(1 + \frac{234.4}{1000}\right) =$$

$$\overset{14.10}{13.872} \times 1.234 = \overset{17.40}{17.118} \square$$

$$\text{AGG. AREA OF MAIN VALVE } \overset{14.10}{13.872} \square = \overset{17.40}{3.246} \square$$

$$\overset{14.10}{3.30} \square$$

$$cl = 2.05''$$

SAY 2 $\frac{1}{8}$ DIA VALVE

TO LLOYDS SURVEY

GEORGE CLARK (1936) LIMd.,
SOUTHWICK ENGINE WORKS,

SUNDERLAND. *GC.*



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