

No. 8396

(Received at London Office,

TESTS OF BOILER STEEL.

Tests of 48 Steel Bars manufactured by Messrs. N. Beardmore & Co. of Parkhead for Boiler No. 868. to be constructed by Messrs. J. Richardson & Son of Hartlepool for the S.S. No. 289. building by Messrs. R. Dixon & Co. Middlesbrough. Date first visit 16th Aug last visit 20th Aug. No. of visits constant attendance.

The specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 6 samples as set forth below, and the temper and bending tests applied to a piece cut from one bar in ten. The above 48 bars were cut from 24.

No.	Purpose.	Charge Mark.	No. of plates or bars in same charge	Mark on plate and test piece.	Dimensions.			Ultimate Stress.		Exten. in 8 ins.	Remarks.
					Thickn.	Brdth.	Area.	Total.	Sq. Inch.		
					Ins.	Ins.	Ins.	Tons.	Tons.	%	
	Stay Bars.	F131		107	1.01	diam	801	23.3	29.0	29.0	
	"	"	"	111	"	"	"	22.7	28.3	31.0	
	"	"	"	115	"	"	"	23.1	28.8	28.0	
	"	"	"	119	"	"	"	23.4	29.2	29.0	
	"	"	"	123	"	"	"	22.9	28.5	31.0	
	"	"	"	126	"	"	"	23.0	28.7	30.0	

MP
32-8-22

Fee £ : :

Expenses £ : :

£ : :

To be paid by