

No 4658

(Received in London Office,

TESTS OF BOILER STEEL.

Tests of 56 Steel plates manufactured by The Steel Co. of Scotland of Blochain
for Boiler No. 283 to be constructed by Messrs Gourlay Bros. of Dundee
for S.S. No. 132 building by the same firm

Date first visit 1st April last visit 13th April No. of visits 4

The specified in the accompanying copy of Advice Notes were rolled from
charges. The tensile test has been applied to 14 samples as set forth below,
and the temper and bending tests satisfactory

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

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.	%	
	Shell Strap	F.93		9392	1.06	1.15	1.219	32.8	26.9	30	
	"	H.82		9388	1.09	1.15	1.253	36.3	28.9	27	
	"	M.81		9323	.9	1.25	1.125	32.8	29.1	25	Annealed
	"	Zul		9412	.905	1.2	1.086	31.95	29.4	22	
	Connection	G.76		5391	.755	1.2	.906	26.83	29.6	22	
	Covering plate	H.91		230	.495	1.13	.559	16.15	28.8	24.5	
	Mantle	C.88		248	.715	1.24	.887	25.65	28.9	20.5	
	Shell	J.87		8608	1.21	1.24	1.5	43.7	29.1	26.5	
		H.86		8621	1.21	1.15	1.392	43.25	31	23	Rejected
	Shell (Dome)	F.109		1329	.435	1.2	.522	15.25	29.2	22	
	"	A.97		8674	1.14	1.2	1.368	37.9	27.7	24	
	"	F.105		8720	1.17	1.2	1.404	41.6	29.6	24	
	"	M.98		8738	1.17	1.16	1.357	40.8	30	23	
	End plate	M.100		8777	1.04	1.22	1.269	36.75	28.9	24	

Fee £ : :

Expenses £ : :

£ : :

To be paid by

Surveyor, Lloyd's Register,

Glasgow