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pt. 15.

Lloyd's Register of Shipping.

RESULTS OF TESTS OF STEEL ^{Forgings}

Made by The Darlington Forge Ltd Darlington
For Messrs Swan Hunter & Coy Ltd Newcastle Engine 1322

Batch No.	No. of Pieces.	Description.	Charge Mark.	Sample No.	Thickness.	Area.	Tons per square inch.	Extension on 3 inches.
					Dia			%
		Turbine Spindle 133 1/2 753 1/2 dia		206	798	50	39.2	27.0
		" " " " "		208	"	"	39.4	26.0
		Backed Steel Primary Pinion Shaft 173.253 1/2		522	564	25	44.4	27.0 on 2"
		" " " " "		524	"	"	46.0	27.0
		2nd this replaces one of above (Faulty)		872	"	"	46.4	28.0
		2nd Red Pinion Shaft 55 1/2		586	"	"	45.2	25.0
		Wheel Shaft 503 1/2 69 1/2		496	798	50	29.8	31.0 - 3"
		Primary Wheel Shaft 193.478		620	"	"	28.4	25.0
		" " " " "		622	"	"	28.0	25.0
		Aft Couplings 498 1/2		538	"	"	28.2	32.0
		Shaft " 473 1/2		542	"	"	28.0	34.0
		Transmission Shaft 98 1/2		536	"	"	30.6	34.0

all bends angle 180 without fracture

M. Robertson
1/2/29

Report No. 84104.

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Foundation