

New No 78.

Lloyd's Register of Shipping.

RESULTS OF TESTS OF STEEL

Forgings

made by The Darlington Forge Ltd. Darlington

Messrs Swan Hunter & Co. Ltd. Newcastle Engine 1310

Batch No.	No. of Pieces.	Description.	Charge Mark.	Sample No.	Thickness.	Area.	Tons per square inch.	Extension on 3 inches.
								%
1		Couplings 4 7/8" dia		200	.798	.50	30.2	24.0
Steel primary line		Shaft 1 7/8" dia		818	.564	.25	43.2	20 on 2"
"		" "		820	"	"	43.6	26. "
2nd Red		" 2 1/2" dia		926	"	"	42.8	25. "
line spindle		1 3/8" dia		756	.798	.50	35.6	35 on 3"
"		" "		772	"	"	36.6	27. on 3"
mission shaft		9/8" dia		54	"	"	29.8	32. "
Wheel rim		2 1/8" dia		94	"	"	34.4	31. "
Wheel shaft		1 9/16" dia		934	"	"	29.6	33. "
"		" "		8	"	"	28.4	36. "
"		5036693" dia		828	"	"	31.0	34.0

all bends angle 180 without fracture
M. Robertson
12-1-29



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Lloyd's Register
Foundation

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