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 2pt. 15.

# Lloyd's Register of Shipping.

## RESULTS OF TESTS OF STEEL <sup>Forgings</sup>

Made by *The Harlington Forge Ltd. Darlington*  
 For *Messrs Swan Hunter & Co Ltd. Newcastle Engine 1318*

Date.	Batch No.	No. of Pieces.	Description.	Charge Mark.	Test No.	Thickness. Dia	Area.	Tons per square inch.	Extension on 3 inches.
									%
			Shaft Coupling Piece	473 $\frac{3}{4}$ dia	778	.798	.50	31.0	31.0
			Primary Wheel Shaft	1935478 $\frac{3}{4}$ "	628	"	"	30.0	34.0
			"	"	176	"	"	30.8	31.0
			Red Wheel Rim	1497 $\frac{3}{4}$ "	612	"	"	33.4	28.0
			"	"	614	"	"	33.6	30.0
			as Wheel Shafts	5035693 $\frac{3}{4}$ "	986	"	"	29.2	35.0
			ft Couplings	473 $\frac{3}{4}$ "	540	"	"	29.4	34.0
			Steel Primary Pinion Shaft	1735253 $\frac{3}{4}$ "	638	.564	.25	45.6	25.0 on 2"
			"	"	134	"	"	42.4	21. "
			orkine Spindle	153 $\frac{3}{4}$ "	410	.798	.50	35.0	33.0 on 2"
			"	"	413	"	"	35.0	32.0 "
			ommission Shafts	98 $\frac{3}{4}$ "	62	"	"	29.8	34.0 "

*All bends angle 180 without fracture.*

*M. Robertson*  
*30-1-29*