

Continued

GOTIUS-0106

Made at the Motala Steel and Iron Works

STEEL

TESTS.

by the Bessemer process.

Date of Trial.	Where Tested.	Name of Builder of Ship.	Yard. No.	Description of Steel.	For what purpose intended.	Number of Sample.	Number of Plates or Angle Irons selected from.	Dimensions of Sample.			Breaking Strain of Sample.	Breaking Strain per Sq. Inch.	Elongation.	Forge Tests.			Remarks.
								Br'dth	Thick-ness.	Area.				Hot or Cold	Diamet'r required	Diamet'r bent to.	
								Ins.	Ins.	Ins.	Tons.	Tons.	Ins.		Ins.	Ins.	
	Motala	Motala Comp.		Plate	Topside	EM ⁸ 11	23	34.8	13.00	0.701	19.50	27.50	22.5	Cold	2 1/16	1 1/16	Good
	"	"		"	"	EM ⁹ 18	22	34.7	11.80	409.46	17.50	27.24	22.0	"	2 1/16	1 1/16	"
	"	"		"	Bilge	EM ⁶ 10	24	34.5	14.60	500.70	22.25	28.48	20.5	"	2 1/16	1 1/16	"
	"	"		"	Ballhead	EL ² 5	28	34.7	8.00	277.60	11.75	27.52	24.0	"	1 5/16	1 1/16	"
	"	"		"	"	EL 27	28	35.0	9.90	346.50	14.40	27.00	24.5	"	1 5/16	1 1/16	"
	"	"		"	"	EL 25	28	34.5	8.10	279.45	11.95	27.60	22.5	"	1 5/16	1 1/16	"
	"	"		"	Stringer Maindeck	EL ² 1/2	24	34.5	9.90	341.55	15.25	28.82	20.0	"	1 5/16	1 1/16	"
	"	"		"	Topside	EM ¹² 2	26	34.8	13.50	462.84	19.80	27.61	26.0	"	5 1/32	5 1/32	"
	"	"		"	Stringer Upperdeck	EL ⁸ 8	32	34.3	12.70	435.61	19.25	28.52	21.0	"	2 1/16	1 1/16	"
	"	"		"	Topside	EM ¹² 21	22	34.5	11.60	400.20	17.00	27.42	22.0	"	2 1/16	1 1/16	"
	"	"		"	"	EM ¹⁰ 15	23	34.7	12.60	437.22	18.55	27.06	21.5	"	2 3/16	1 1/16	"
	"	"		"	Maindeck	EL 35	28	34.9	8.10	282.69	12.50	28.54	21.5	"	1 5/16	1 1/16	"
	"	"		"	Holdstringer	EL 5	22	35.0	11.30	395.50	17.80	29.03	20.0	"	3 3/32	2 8/32	"
	"	"		"	"	EL 11	22	34.5	10.30	351.35	16.20	29.40	22.0	"	3 3/32	2 1/32	"
	"	"		"	Stringer upperdeck	EL 10	22	34.2	10.00	342.00	14.55	27.47	21.0	"	3 3/32	2 1/32	"
	"	"		"	" maindeck	EL 6	24	34.7	9.90	343.53	14.70	27.60	20.5	"	1 3/16	1 1/16	"
	"	"		"	Topside	EM ¹² 16	26	34.8	15.40	535.92	23.50	28.04	21.0	"	2 1/16	1 1/16	"
	"	"		"	"	EM ¹⁰ 12	23	34.7	12.70	440.69	18.50	27.08	20.5	"	2 1/16	1 1/16	"
	"	"		"	Bilge	EM ⁶ 4	24	34.8	12.80	445.44	19.00	27.54	24.5	"	2 1/16	1 1/16	"

