

Made at the Malabar 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.	Tons.				
Malabar	Kockums	Ship Building	"	Angle Steel	Frames	200 8 1/4	35	34.9	8.09	0.438	12.50	28.55	27.0%	Cold	1 1/16	10/16	Good
"	"	Yard	"	Plate	Floor	200 8 20	20	35.0	7.60	0.412	12.00	29.12	21.0		6/8	5/8	d.
"	"	in	"	Angle Steel	Frames	200 8 64	35	35.3	8.17	0.447	12.55	28.08	29.5		1 1/16	8/16	d.
"	"	Malabar	"	"	"	200 8 1/4	35	34.8	6.58	0.355	10.00	28.17	27.0		6/8	5/8	d.
"	"		"	"	"	200 8 1/5	35	34.7	6.55	0.352	10.35	29.40	26.0		6/8	5/8	d.
"	"		"	Plate	Floor	200 8 44	20	35.0	10.15	0.551	15.90	28.86	18		1 1/16	14/16	d.
"	"		"	"	"	200 8 40	20	35.4	10.0	0.549	16.00	29.14	25.0		1 1/16	14/16	d.
"	"		"	"	"	200 8 65	20	34.9	8.18	0.445	12.90	29.12	20.5		1 1/16	12/16	d.
"	"		"	"	Bulkhead	200 B 7 1/4	30	35.3	6.50	0.356	9.65	27.11	27		6/8	5/8	d.
"	"		"	Bull	Beams	200 B 4 3/4	40	35.1	6.60	0.359	10.40	28.97	26.5		6/8	4/8	d.
"	"		"	Angle Steel	Revered Frames	200 R 8 1/2	40	35.1	6.80	0.370	10.10	27.50	28.0		6/8	5/8	d.
"	"		"	"	"	200 R 8 1/4	40	35.2	6.80	0.358	9.45	27.41	27		6/8	5/8	d.
"	"		"	"	"	200 R 8 3/4	40	34.7	6.70	0.360	9.75	27.09	26.5		6/8	5/8	d.
"	"		"	"	"	200 R 8 3/8	40	34.9	6.40	0.346	9.55	27.60	30.0		6/8	6/8	d.
"	"		"	"	"	200 R 8 3/4	40	34.8	6.80	0.357	9.75	27.77	26.5		6/8	5/8	d.
"	"		"	Plate	Bulkhead	200 B 7 1/8	18	35.0	7.40	0.401	11.50	28.18	20.		2 1/2	24/32	d.
"	"		"	"	Frames	200 8 3/4	35	35.1	8.00	0.435	11.85	27.24	29.0		1 1/16	10/16	d.
"	"		"	Bull	Beams	200 B 4 1/2	40	35.0	8.40	0.456	13.25	29.06	24.0		1 1/16	12/16	d.
"	"		"	Angles	Stringers	200 L 3 3/8	17	35.0	8.10	0.439	12.80	29.6	25.0		1 1/16	12/16	d.
"	"		"	"	Holdbrams	200 L 3 1/6	24	34.8	8.00	0.432	13.10	30.34	20.0		1 1/16	10/16	d.
"	"		"	"	Keelson	200 L 2 1/4	20	35.1	8.00	0.435	12.75	29.51	25.5		1 1/16	10/16	d.
"	"		"	"	"	200 L 2 1/2	20	35.3	8.20	0.449	13.20	29.40	22.5		1 1/16	12/16	d.
"	"		"	"	Bilge Keelson	200 B 4 1/4	40	35.1	8.10	0.441	13.10	29.71	21.5		1 1/16	14/16	d.
"	"		"	Bull	Beams	200 B 4 1/4	40	34.7	8.40	0.452	13.50	29.86	27.0		1 1/16	12/16	d.
"	"		"	Plate	Plating	200 C 16	16	34.8	8.20	0.442	12.15	27.49	24.0		1 1/16	12/16	d.
"	"		"	"	"	200 B 10	18	34.6	9.80	0.526	14.20	27.00	26.5		9/8	7/8	d.
"	"		"	"	Bulkhead	70 B 7 200	18	34.7	7.35	0.395	11.40	28.86	24.0		2 1/2	20/32	d.
"	"		"	"	Plating	200 C 7	16	34.7	10.00	0.538	15.55	28.55	18.0		7/8	7/8	d.
"	"		"	"	"	200 B 8	15	35.0	9.95	0.540	15.20	28.15	25.0		7/8	6/8	d.

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