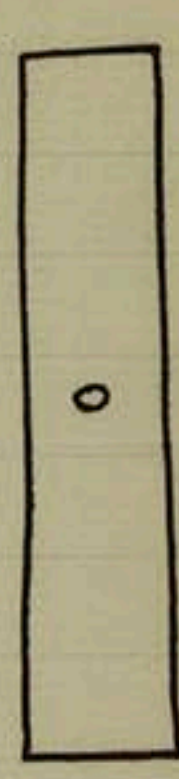
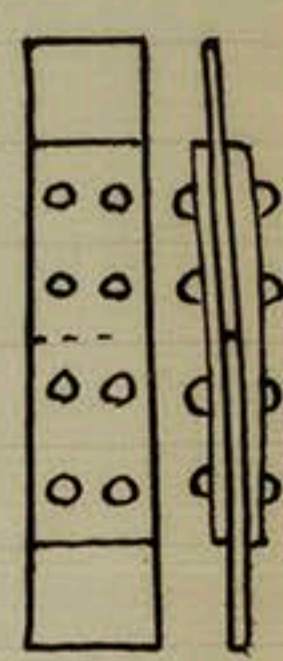
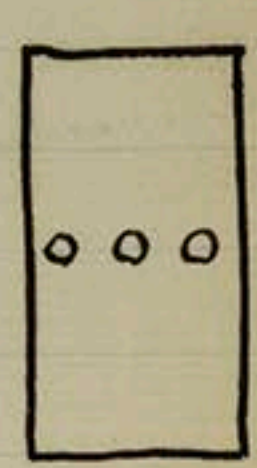
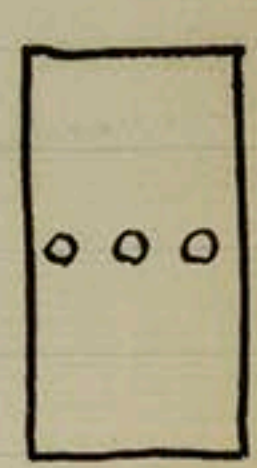


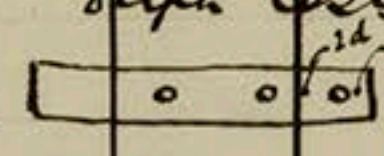
# Tests made on Messrs J. Spencer & Sons High Tensile Ship Steel 25/10/04

## Dimensions of Sample

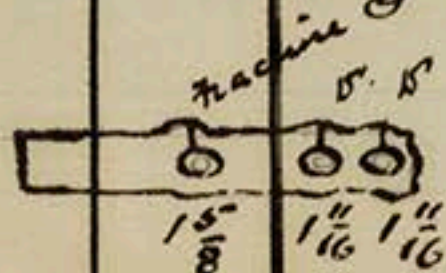
Plate Thickness	Charge Mark	No of Test Piece	Total Width	Effective Width	Thickness	Area	Total Tons	Tons per sq in	Remarks
$\frac{1}{2}$ "	D455 22	21	2.66	1.655	.52	.86	28.4	33	
"	"	22	2.63	1.64	.52	.852	29.1	34.1	
"	"	23	2.63	1.68	.51	.857	30.7	35.8	
"	"	24	2.63	1.69	.52	.879	31.5	35.8	
"	"	25	2.63	1.68	.51	.857	31.2	36.4	
"	"	32	2.63	1.68	.51	.857	30.9	36	
"	"	33	2.63	1.525	.51	.778	28.4	36.5	
"	"	34	2.63	1.55	.52	.806	28.9	35.8	
"	"	17	4.5	2.518	.52	1.308	42.8	32.7	
"	"	18	4.5	2.518	.52	1.308	44.8	34.2	
"	"	19	4.5	2.625	.52	1.364	49	35.9	
"	"	20	4.5	2.625	.52	1.364	50	36.6	
"	"	28	4.5	2.625	.52	1.364	50.2	36.8	
"	"	29	4.5	2.625	.51	1.339	49.2	36.7	
"	"	15	6.125	3.165	.51	1.613	66.9	35.2	
"	"	16	6.125	3.27	.51	1.667	62.2	37.3	
"	"	26	6.125	3.28	.52	1.705	63.1	37	
"	"	27	6.125	2.925	.52	1.416	52.3	36.9	
"	"	2	6.125	2.925	.52	1.416	52.3	36.9	

Note All drilled holes irregular in shape  
Effective areas of rivetted joints estimated

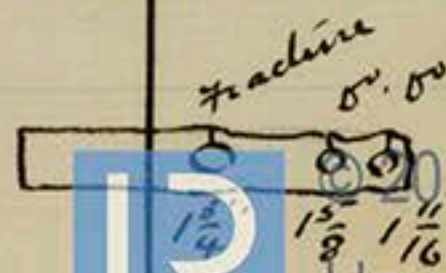
The mean of seven normal tensile tests gave a Breaking Strain of 35.2 Tons per sq in with an elongation of 23% in 8"

Depth tests made on samples 35 & 36 three diameters wide.  one hole  $\frac{7}{8}$ " dia punched 1 diameter from end and with 2 dia. between this & the next hole, these holes drilled out to the sizes shown when padding occurred.

h° 35:-



h° 36:-



© 2018  
Lloyd's Register  
Foundation