

Exam. Minutes 103



S/S Gellivara
Nwc. 21562


Results of Crucible Steel Tests

1/3/88

made at
Kruppsches Stahlwerk zu Annen

22 & 23 February 1888

to the order of Messrs Wallsend Shipway & Eng. Co.
of New Castle.

Marks on object & test piece	Purpose	Sizes		Stresses		Elongation of %	Bend through degr.	Remarks.
		Diem:	Area	Total	per sq"			
"	"	"	sq"	Tons	Tons			
 A	eccentric rod heads	1 1/4 x 1 1/8					92	fractured on account of blowhole in test piece, each half bend by hammering through 90° length 4"
A 1	d. d.	1 1/4 x 1 1/4						
B	d. d.	1 1/8 x 1 1/8					100	
C	d. d.	.404 .3925	12.94	33	20.			
D	d. d.	1 1/4 x 1 1/4					90	
E	d. d.	1 1/4 x 1 1/8					95	
F	Reversing lever & slot	1 1/4 x 1 1/4					120	
G	d. d.	1 1/4 x 1 1/8					90	
H	d. d.	1 1/8 x 1 1/8					95	
J	Reversing levers	.644 .3254	10.69	32.8	22			Length 4"
K	d. d.	1 1/4 x 1 1/4					90	
L	Air pump cross heads	1 1/8 x 1 1/4					105	
M	d. d.	1 1/4 x 1 1/4					120	
N	Double ended lever	1 1/4 x 1 1/8					98	
O	d. d.	1 3/16 x 1 1/8					120	

The test pieces subjected to bending tests were unfinished.
Every test piece has been struck from the casting in my presence.
Excepting the piece A 1, the bending tests remained unfractured.

Amsterdam 26. February 1888
W. F. D. van Olfen

29/2/88

Mr. Parker to report to
P.M.

It is submitted that these
tests should be approved of

DP
13/88.

From Hunter 103

