

Index No. \_\_\_\_\_  
(For London Office only)

**Lloyd's Register of Shipping.**  
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **NEWCASTLE-ON-TYNE**

Date of Survey 27 July 1928

Name of Surveyor A. J. Hester

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. "GRACEFIELD"	Newcastle	✓ 149477	approx 4700	1928	+ 100 A1 Class Contemplated

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	390	53.5	25.45	4289.75
Length on LOADLINE.	389.7	Frame/Depth $11\frac{1}{2}$ Rule " $6\frac{1}{2}$ $2 \times 5\frac{1}{2} = .92$ $2\frac{1}{2}$ Sparring fitted	no Ceiling $+ .20$ Sheer $+ .85$ Lesel Tank Tap.	Peak Tanks } Included
CORRECTED DIMENSIONS.	389.7	52.58	26.50	4289.75

Moulded Depth as measured.....27'-10"

Addition for Keel below base line  
for draught record.....**2**.....inches.

NOTE. — If the depth is measured when vessel is afloat, the details of measurement should be reported.

### CORRECTION FOR LENGTH

Length of Ship on Loadline.....	389.7	
Length in Table .....	334	
Difference .....	55.7	
Correction for 10ft., Table A. ....	1.4	Table C.
× Difference divided by 10 .....	7.8	(if required.)
If $\frac{1}{10}$ ths length covered divide by 2	3.9	
	+14	

CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... ✓  
Thickness of usual wood deck, less stringer .....  $3\frac{1}{2}$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	52.75
Round of Beam .....	13.25 -
Normal round.....	13.18 -
Difference .....	.07 ÷ 2 =
Proportion of Deck uncovered (Para. 19) .....	✓

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness..... .79 ✓

Any modification necessary }  
[Para. 4 (a) to (e)]\* } .02 double bottom

Co-efficient as corrected ..... .77 ✓

Sheer at Sternpost  $\left\{ \begin{array}{l} \text{Stem} \dots 108\frac{1}{2} \\ \text{Sternpost} \dots 54 \end{array} \right\} 162.5 \div 2 = 81.25 \dots \text{Mean}$

Sheer at  $\frac{1}{2}$  of the length from Sternpost  $\left\{ \begin{array}{l} \text{Stem} \dots 59 \\ \text{Sternpost} \dots 28\frac{1}{2} \end{array} \right\} 87.5 \div 2 = 43.75 \dots \text{Mean}$

Gradual mean Sheer  $\dots 79.54$

Standard mean Sheer [Table, Para. 18]  $\dots 48.97$

Difference  $\dots 30.57$

Correction  $\dots 7.64$

§ If limited as Para. 18 (f)  $\dots$

Rise in Sheer	{	At front of bridge house.....	
from amidships			
[Para. 18 (e)]	{	At after end of forecastle .....	✓

Fall in Sheer }  
Para. 18 (d) }  $\div 2 =$   
Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	3-7 <del>4</del>
Correction for Length, if required (Para. 12, 13, and 14) .....	✓
Freeboard by Table A. corrected for sheer, and for length, } if required (Para. 12, 13, and 14) }	6 x 0 <sup>3</sup> / <sub>4</sub>
Difference .....	2-5 <sup>3</sup> / <sub>4</sub> ✓
Percentage as below.....	61.6% ✓ 18.33 - "

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓  
 Allowance for Deck Erections ..... 1-64 ✓

	Length.	Length allowed.	Height.
Forecastle.....	32	32	7'0"
Bridge House .....	249'9"	249'9"	8'0"
† Raised Qr. Dk.....	✓	✓	✓
Poop.....	36-3	36-3	7'3"
Total .....		<u>318-0</u>	
Length of Ship .....		389.7.	= .816 ✓
Corresponding percentage {		61.6 % ✓	
(Para. 11, 12, 13, or 14) {			

**FREEBOARD** recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :—

Fresh Water Line	above	centre of Disc	...	...	...	...	...	6"	6"
Indian Summer Line	"	"	"	...	...	...	...	5 1/2"	5 1/2"
Winter Line	below	"	"	...	...	...	...	5"	5"
<del>Winter North Atlantic Line</del>	"	"	"	...	...	...	...	4"	4"

\* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to side of ceiling should be reported if possible.

† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

post. In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

† State dimensions of freeing port area on back of this form.

The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported.

line of keel or to the water line. If measured relatively to water line, the survey, and also the usual load draft forward and aft should be reported.

31 JUL 1928

2 AUG 1928

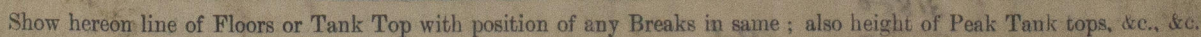
✓ 16-98-0090

measured relatively to the stratification of the vessel's draft at time of testing.



[illegible]

Total deficiency or excess = .8 Sq. ft.



Should displacement at med. draught  
corresponding to 85 % of depth med. = 10938 tons  
See Shigham Richardson Ltd. No 12) 4

Lloyd's Register  
Foundation