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EXT
WRITTEN

FINAL REPORT

Newcastle-on-Tyne 84301

see provisional assignment dated 19/12/28

Index No. 33018
(For London Office only.)

12 JUN 1929

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD. STEAM SHIPS.

14. 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
Date of Survey 6th June 1929
Name of Surveyor G. H. Brown

Palmer's Co. No 991

Ship's Name. "LANGLEECRAG"

Number in Register Book

Port of Registry and Nationality. Newcastle U.K.

Official Number. 161528

Gross Tonnage. 1.7.29

Date of Build. 1929

Particulars of Classification. 100A1 with freeboard (Contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	416.0	56.67 55.80	25.17 25.20	4594.92
Length on LOADLINE.	415.0	Frame Depth/2 Rule <u>6.6</u> = 1.0 <i>spar ceiling fitted</i>	Ceiling + .20 Sheer + .51	Peak Tanks } <i>weld</i>
CORRECTED DIMENSIONS.	415	54.67 54.8	25.85 25.91	4594.92

Moulded Depth as measured..... 28'-3"

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

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

28-3
1-1/4
29-4 1/2
4-2
25-2 1/4

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 415

Length in Table 339

Difference 76

Correction for 10ft., Table A. 1.45 Table C.

× Difference divided by 10 18.02 (if required.)

If 1/10ths length covered divide by 2 5.81 = + 5 1/2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered

Thickness of usual wood deck, less stringer 3 1/2 - 3 1/2

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 55.5

Round of Beam 13 3/4

Normal round..... 13 3/4

Difference 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..... .78 ~~.7842~~

Any modification necessary [Para. 4 (a) to (e)]* C013 .760

Co-efficient as corrected

Sheer { Stem..... 96" } 138 ÷ 2 = 69" ... Mean 36 1/2
at { Sternpost ... 42" } 51

Sheer at 1/2 of the length from { Stem 53 1/2 } 77 ÷ 2 = 38 1/2 ... Mean
{ Sternpost 23 1/2 }

Gradual mean Sheer 38 1/2 79.5 70.0

Standard mean Sheer [Table, Para. 18] 51.65

Difference..... 17.40 ÷ 4 = 4.35

§ If limited as Para. 18 (f) 4 1/2

Rise in Sheer { At front of bridge house..... ✓

from amidships { At after end of forecastle ✓

[Para. 18 (e)]

Fall in Sheer } ÷ 2 =

Para. 18 (d) } ✓

Length uncovered ✓

Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... 3'-8 1/2"

Correction for Length, if required (Para. 12, 13, and 14) 6-5'

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } 6-5 1/2"

Difference 2'-9 1/2"

Percentage as below..... 94.37%

31.15"

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 2'-4 1/4"

Allowance for Deck Erections ✓

Forecastle..... } Length. 379.75 Length allowed. 379.75 Height. 8'-9"

Bridge House } Length. 5.25 Height. 8'-9"

Forecastle Opening } Length. 30.00 Height. 8'-9"

Raised Qr. Dk..... } Length. 30.00 Height. 8'-9"

Total 409.75

Length of Ship 415.00

Corresponding percentage { 94.37% } 415

[Para. 11, 12, 13, or 14] } .9937

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

Fresh Water Line above centre of Disc 6 1/2

Indian Summer Line " " " " 5 1/2

Winter Line below " " " " 6

Winter North Atlantic Line " " " " 6

Winter Freeboard from deck line 4-1 1/2"

Summer " " " " 3-8 1/4"

Indian Summer " " " " 3-2 1/2"

N.A. Winter " " " " 3-8"

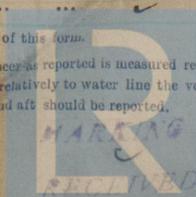
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side. 1 3/4

Frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside plating should be reported if possible. When 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. In vessels having poops and forecastles, it means the sheer measured at points distant 1/10th 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.

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Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *deep frames* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *deep frames*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *Yes* Has the Bridge House an efficient Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead
 What is the thickness of the Bridge Front plating? *Yes* and Coaming plate? *Yes*
 Give scantlings and spacing of the Stiffeners
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed?
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by superstructure*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed?
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather?
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below: *Yes*

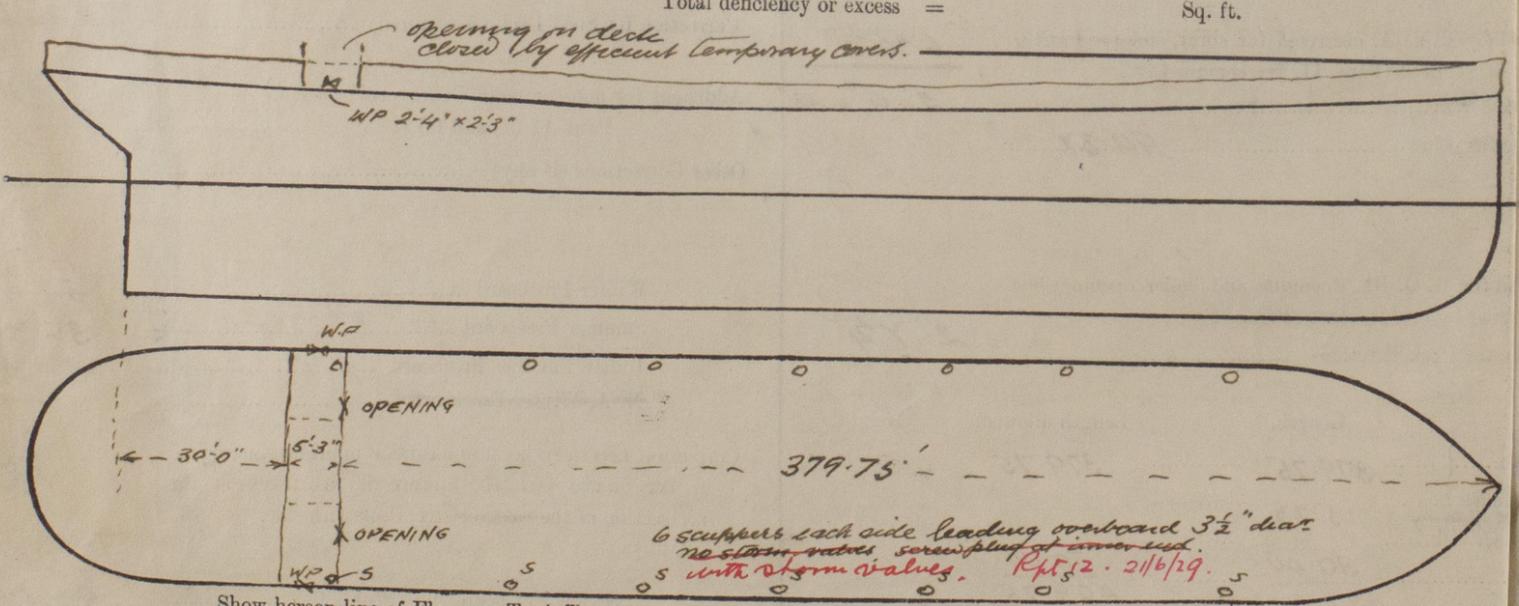
Position and Size.	N ^o 1 shelter dk. 31'-6" x 19'-1"	N ^o 1 upper dk. 31'-6" x 19'-1"	N ^o 2 shelter dk. 34'-1 1/2" x 19'-1"	N ^o 2 upper dk. same	N ^o 3 shelter dk. 34'-1 1/2" x 19'-1"	N ^o 3 upper dk. same	N ^o 4 shelter dk. 31'-6" x 19'-1"	N ^o 4 upper dk. 34'-1 1/2" x 19'-1"	Ship.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING. Height above top of DECK	2'-6"	9 x 3 1/2 x 50 BA	2'-6"	9 x 3 1/2 x 50 BA	2'-6"	9 x 3 1/2 x 58 BA	2'-6"	9 x 3 1/2 x 58 BA	
Thickness	Sides	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
	Ends								
SHIFTING BEAMS OR WEB PLATES.	Number	6	6	6	6	6	6	6	
	Section and Scantlings	15 x 35 4 x 3 x 44 7 x 3 1/2 x 58	Same as shelter	17 x 36 4 x 3 x 44 7 x 3 1/2 x 58	same as shelter	17 x 36 4 x 3 x 44 7 x 3 1/2 x 58	same as shelter	15 x 35 4 x 3 x 44 7 x 3 1/2 x 58	6 same as shelter + one 4/4 x 18 x 3 1/2 angles same
	Material								
* FORE AND AFTERS.	Number								
	Section and Scantlings								
	Material								
HATCHES Thickness	3"	3"	3"	3"	3"	3"	3"	3"	
Remarks									

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? *.68"* Strake between Main and Bridge Sheerstrakes? *.62"*

Delete the words *The Crew are, are not, berthed in the bridge house.*
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

Length of Bulwarks in well
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = Sq. ft.
 Total deficiency or excess = Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel
 Builder's name and yard number *Palmers S.B. & Co. Ltd.*
 Names of sister vessels
 Owners *Medomsley S.S. Co. Ltd. F Carrick Co. Ltd (Mgts)*
 Address *Newcastle*

Estimated Fee £ *10 : 1 : 8*

Received by me *See 26 Apr*

