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Index No. 20138  
(For London Office only.)

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR OR AWNING DECKS.

Port of Survey Rotterdam  
Date of Survey 30/5-1927  
Name of Surveyor J. H. H. H.

Ship's Name. R.I.C. ... Pangau  
Port of Registry and Nationality. Glasgow British.  
Official Number. 148926  
Gross Tonnage. 3489.24  
Date of Build. 1909  
Particulars of Classification. 100 A1 Awning dk with 1st deck

| LENGTH. | BREADTH. | DEPTH. | UNDER DECK Tonnage. |
|---------|----------|--------|---------------------|
| 330'0"  | 47'3"    | 25.75  | 5173.92             |
| 329.75  | 46.64    | 18.21  | 2153.92             |

Moulded Depth as measured ..... 20'-0" Main Deck.  
" " " ..... 28-0 Spar or Awning Deck.

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.

CORRECTION FOR LENGTH:—  
 Length of Ship on Load Line.... 329.75  
 Length in Table ..... 240  
 Difference..... 89.75  
 Correction for 10ft..... .6  
 × Difference ÷ 10 = + 5 1/2

Height of 'Tween Decks..... 8-0  
(From top of beam to top of beam at side)  
Correction for Height of 'Tween Decks in Spar-decked Ships.....

|   |                |
|---|----------------|
| Freeboard Table <del>B</del> C .....                            | <u>1- 3/4</u>  |
| Correction for Length.....                                      | <u>+ 5 1/2</u> |
|   | <u>1-9</u>     |
| Correction for Height of 'Tween Decks in Spar-decked Ships..... | <u>8-0</u>     |
|   | <u>9-9</u>     |
| Correction for Strength in excess of Lloyd's rules.....         | <u>- 2-0</u>   |
|   | <u>7-9</u>     |

Correction for Iron Deck if required..... - 3/4  
7-5 1/2

|                                 |                 |
|---------------------------------|-----------------|
| Other Corrections (if any)..... |                 |
| Winter Freeboard.....           | <u>7-5 1/2</u>  |
| Summer Freeboard.....           | <u>7-2</u>      |
| Indian Summer Freeboard.....    | <u>6-10 1/2</u> |
| N. A. Winter Freeboard.....     | <u>7-7 1/2</u>  |

Correction necessary because clearside amidships measured in accordance with the Statute is not taken at inter-section of the wood or steel deck with side 1 1/2

|                                       |                |
|---------------------------------------|----------------|
| Winter Freeboard from Deck Line ..... | <u>7-7 1/4</u> |
| Summer " " " .....                    | <u>7-3 1/4</u> |
| Indian Summer " " " .....             | <u>7-0 1/4</u> |
| N.A. Winter " " " .....               | <u>7-9 1/4</u> |

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

|   |              |
|---|--------------|
| Fresh Water Line above centre of Disc ... | <u>5</u>     |
| Indian Summer Line " " " ...              | <u>3 1/2</u> |
| Winter Line below " " " ...               | <u>3 1/2</u> |
| Winter North Atlantic Line " " " ...      | <u>5 1/2</u> |

of fineness ..... .767  
ation necessary } 6.8.03  
(a) to (e)\* }  
is corrected ..... .747

Strength in excess of Lloyd's rules = 24"

Remarks— Increased topsides. Long strength = spar dk. Deep framing. Two complete steel decks.

66 at 1/2 length from Stem ..... 39  
30 " " " Sternpost... 18  
Drop in Sheer abaft amidships.....

Deck Beam..... 11 1/4  
in-deck " ..... 11 3/4

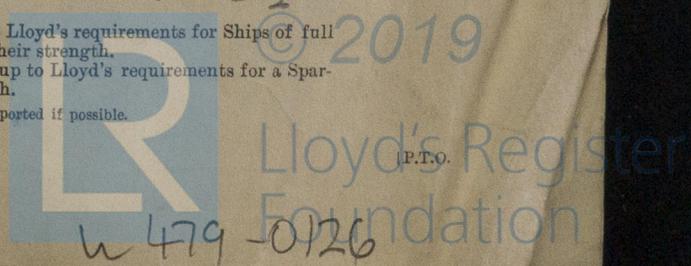
| Length × Height. | State if open or closed at ends. |
|------------------|----------------------------------|
| 37.0 × 7.3       | open                             |
| 65.42 × 7.3      | closed                           |
| 30.92 × 7.3      | closed                           |

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All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength. All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.

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

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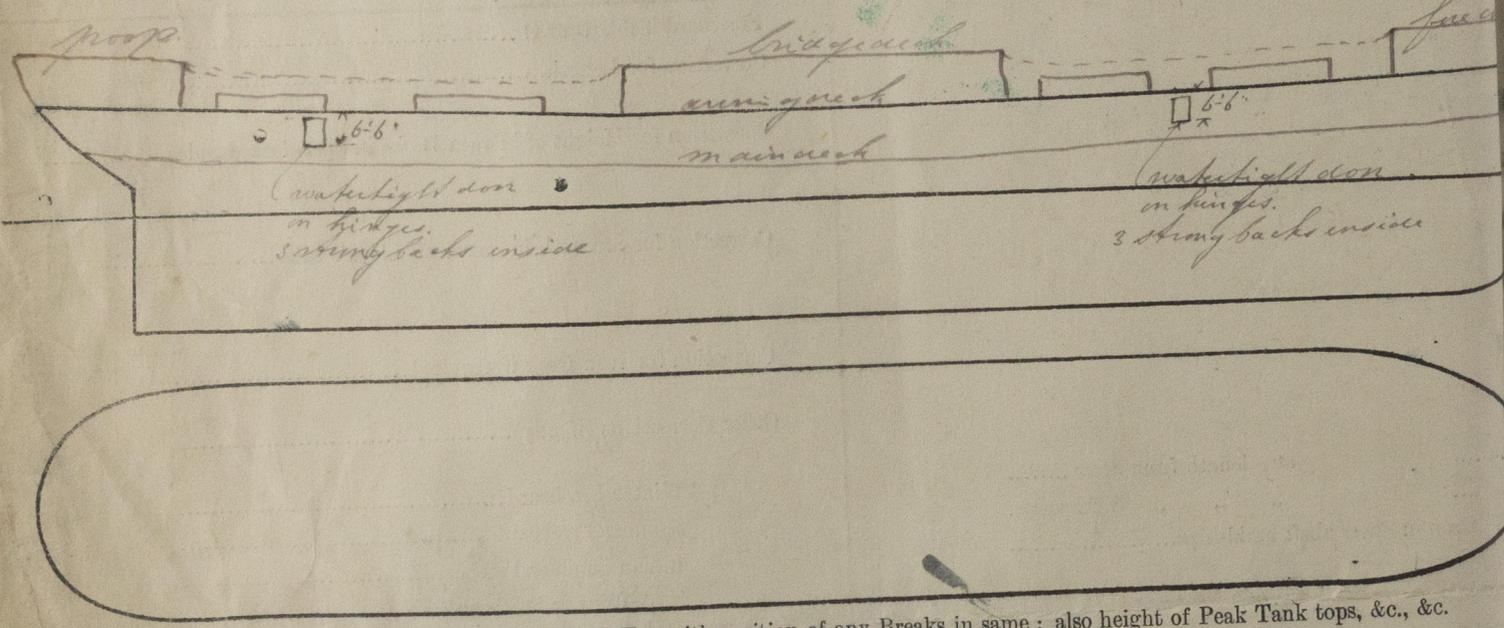
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Do all the Frames extend to the top Height in the Spar deck? *Yes* Awning deck? *Yes*  
 Do all the Frames extend to the top height in the Poop? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *Awning deck*  
 Has the Poop an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Steel doors on hinges*  
 Is the Poop connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end?  
 Give particulars of the means for closing the openings in Bulkhead *Steel doors on hinges*  
 What is the thickness of the Bridge Front plating? *.32* and Coaming plate? *10 x .42*  
 Give scantlings and spacing of the Stiffeners } *all sketched (sawn)*  
 Are bracket plates fitted at each end of the Stiffeners? } Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *Steel doors on hinges*  
 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?  
 Are the Engine and Boiler openings covered by a Bridge, Poop, } *covered by a bridge*  
 or enclosed by a Strong Iron or Steel Deckhouse? }  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*  
 Give thickness of plating; scantlings and spacing of Stiffeners. *10 x .44* *Plating .32 L 4 x 3 x .36*  
 What is the height of the exposed Casings? *See below.* 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:— } *See below.*

| Position and Size.            | 22'-0" x 14'-0"        |                                 | 36'-0" x 14'-0"                 |        | 28'-0" x 14'-0"                 |        | 24'-0" x 14'-0"                 |       | Ship. |
|-------------------------------|------------------------|---------------------------------|---------------------------------|--------|---------------------------------|--------|---------------------------------|-------|-------|
|                               | Ship.                  | Rule.                           | Ship.                           | Rule.  | Ship.                           | Rule.  | Ship.                           | Rule. |       |
| COAMING                       |                        |                                 |                                 |        |                                 |        |                                 |       |       |
| Height above top of DECK      | 22"                    |                                 | 22 1/2"                         |        | 22 1/2"                         |        | 25 1/2"                         |       |       |
| Thickness                     | Sides                  | .50                             | .50                             |        | .50                             |        | .50                             |       |       |
|                               | Ends                   | .50                             |                                 |        |                                 |        |                                 |       |       |
| SHIFTING BEAMS OF WEB PLATES. | Number                 | Two                             | Three                           |        | Two                             |        | Two                             |       |       |
|                               | Section and Scantlings | 25 x .44                        | 25 x .44                        |        | 25 x .44                        |        | 23 1/2 x .44                    |       |       |
|                               | Material               | L 3 x 3 x .40<br>L 6 x 4 x 7/16 | L 3 x 3 x .40<br>L 6 x 4 x 7/16 |        | L 3 x 3 x .40<br>L 6 x 4 x 7/16 |        | L 3 x 3 x .40<br>L 6 x 4 x 7/16 |       |       |
| * FORE AND AFTERS.            | Number                 | 3                               | 3                               |        | 3                               |        | 3                               |       |       |
|                               | Section and Scantlings | T 7 1/4 x 5 x .36               | T 7 1/4 x 5 x .36               |        | T 7 1/4 x 5 x .36               |        | T 7 1/4 x 5 x .36               |       |       |
|                               | Material               | 3 x 3 x .40<br>8 1/2 x .40      | 3 x 3 x .40<br>8 1/4 x .40      |        | 3 x 3 x .40<br>8 1/2 x .40      |        | 3 x 3 x .40<br>8 1/4 x .40      |       |       |
| HATCHES Thickness             | 2 1/2"                 | 2 1/2"                          |                                 | 2 1/2" |                                 | 2 1/2" |                                 |       |       |
| Remarks                       |                        |                                 |                                 |        |                                 |        |                                 |       |       |

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

*on the Awning deck is a wooden deck built 2 1/2"*



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.  
*The Registered dimensions and unarranged tonnage and B.C. have been obtained from the Board of Trade.*

Builder's name and yard number  
 Names of sister vessels  
 Owners *Andrew Weir & Co London*  
 Address *London*  
 Fee *108.00* Received by me

