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EXT Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

No. 39393

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 Hull
Date of Survey 10/11/28
Name of Surveyor W. Malcolm

Goodwin B.V.R. Co. No. 284.

Ship's Name. <u>'Athelstane'</u>	Port of Registry and Nationality.	Official Number. <u>161078</u>	Gross Tonnage.	Date of Build.	Particulars of Classification. <u>+100A1 "Carrying Petroleum or Molasses in Bulk" (contemplated)</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. <u>185.2</u>	BREADTH. <u>31.4</u>	DEPTH. <u>14.0</u>	UNDER DECK TONNAGE. <u>592.79</u>
Length on LOADLINE.	<u>185.0</u>	Frame-Depth Rule <u>5.3</u> Ceiling <u>+ .20</u> Sheer <u>+ .82</u> Peak Tanks <u>Incl.</u> <u>ES/1000 + 5.37</u> <u>0.5 + 2.2</u>		
CORRECTED DIMENSIONS.	<u>185.0</u>	<u>31.43</u>	<u>15.02</u>	<u>600.29</u>

Moulded Depth as measured..... 14'-0"
 Addition for Keel below base line for draught record..... 1" 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..... 185-0
 Length in Table..... 168.0
 Difference..... 14.0
 Correction for 10ft., Table A..... 1.0 Table C.
 × Difference divided by 10..... 1.70 (if required.)
 If 1/10ths length covered divide by 2..... .85
+ 3/4

CORRECTION FOR IRON DECK.
 Proportion covered, if less than 1/10ths length covered.....
 Thickness of usual wood deck, less stringer..... 3" - 3"

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships..... 31'-3"
 Round of Beam..... 7.5"
 Normal round..... 4.94
 Difference..... 7/4 ÷ 2 = 1.75
 Proportion of Deck uncovered (Para. 19)..... .38

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

Co-efficient of fineness..... .684
 Any modification necessary [Para. 4 (a) to (e)]*
 Co-efficient as corrected..... .6942 (See reference to estimate of U.Q. Tonnage on back of report)

Sheer { Stem..... 75'
 at { Sternpost... 42' } $117 \div 2 = 58.5$..Mean

Sheer at 1/2 of the length from { Stem 42.0'
 Sternpost 21.75' } $63.75 \div 2 = 31.87$..Mean

Gradual mean Sheer..... 57.95
 Standard mean Sheer [Table, Para. 18]..... 28.50 Correction
 Difference..... 29.45 ÷ 4 = 7.36
 § If limited as Para. 18 (f)..... - 4/4

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

Fall in Sheer { Para. 18 (d) }
 Length uncovered..... Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0'-5 1/2"
 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)..... 1'-6 1/4"
 Difference..... 1'-1 1/4"
 Percentage as below..... 42%
5.56
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....
 Allowance for Deck Erections..... - 5 1/2"

	Length.	Length allowed.	Height.
+ Forecastle.....	<u>20'-10 1/2"</u>	<u>20.87</u>	<u>7.50</u>
Bridge House (top).....	<u>14'-0"</u>	<u>14.00</u>	<u>3'-3"</u>
+ Raised Q. Dk.....	<u>103'-1 1/2"</u>	<u>31.25</u>	<u>3.5</u>
+ Poop.....	<u>61'-0"</u>	<u>61.0</u>	<u>7'-0"</u>
+ Total.....	<u>185'-0"</u>	<u>114.60</u>	<u>.62</u>

Length of Ship..... 185'-0"
 Corresponding percentage (Para. 11, 12, 13, or 14)..... 42%

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—
 Fresh Water Line above centre of Disc..... 3 1/2"
 Indian Summer Line " " "..... 1 1/2"
 Winter Line below " " "..... 1 1/2"
 Winter North Atlantic Line " " ".....

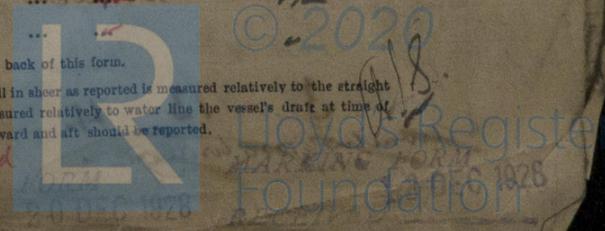
Freeboard, Table A.....
 Correction for Sheer..... 2'-7 1/4"
 Correction for Length..... 1'-6 1/4"
 Allowance for Deck Erections..... 5 1/2"
 Correction for Round of Beam.....
 Correction for fall in Sheer (if any).....
 Correction for Steel Deck (if required)..... - 3
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †.....
 Other Corrections (if any).....
 Winter Freeboard..... 0 - 10 1/2"
 Summer Freeboard..... 0 - 8 3/4"
 Indian Summer Freeboard.....
 N. A. Winter Freeboard.....

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..... + 1/4"

Winter Freeboard from deck line..... 0 - 11 3/4"
 Summer " " "..... 0 - 10 1/2"
 Indian Summer " " ".....
 N. A. Winter " " ".....

© If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside 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.
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-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.

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Do all the Frames extend to the top height in the Poop? *Yes* - Raised Quarter Deck? Bridge House? Forecastle? *Yes* -
 To what height do the Reverse Frames extend? *Yes*
 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? *no* Has the Bridge House an efficient Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead *Bridge*
 What is the thickness of the Bridge Front plating? and Coaming plate? *both*
 Give scantlings and spacing of the Stiffeners
 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?
 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? *Poop and Steel deckhouses*
 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: -

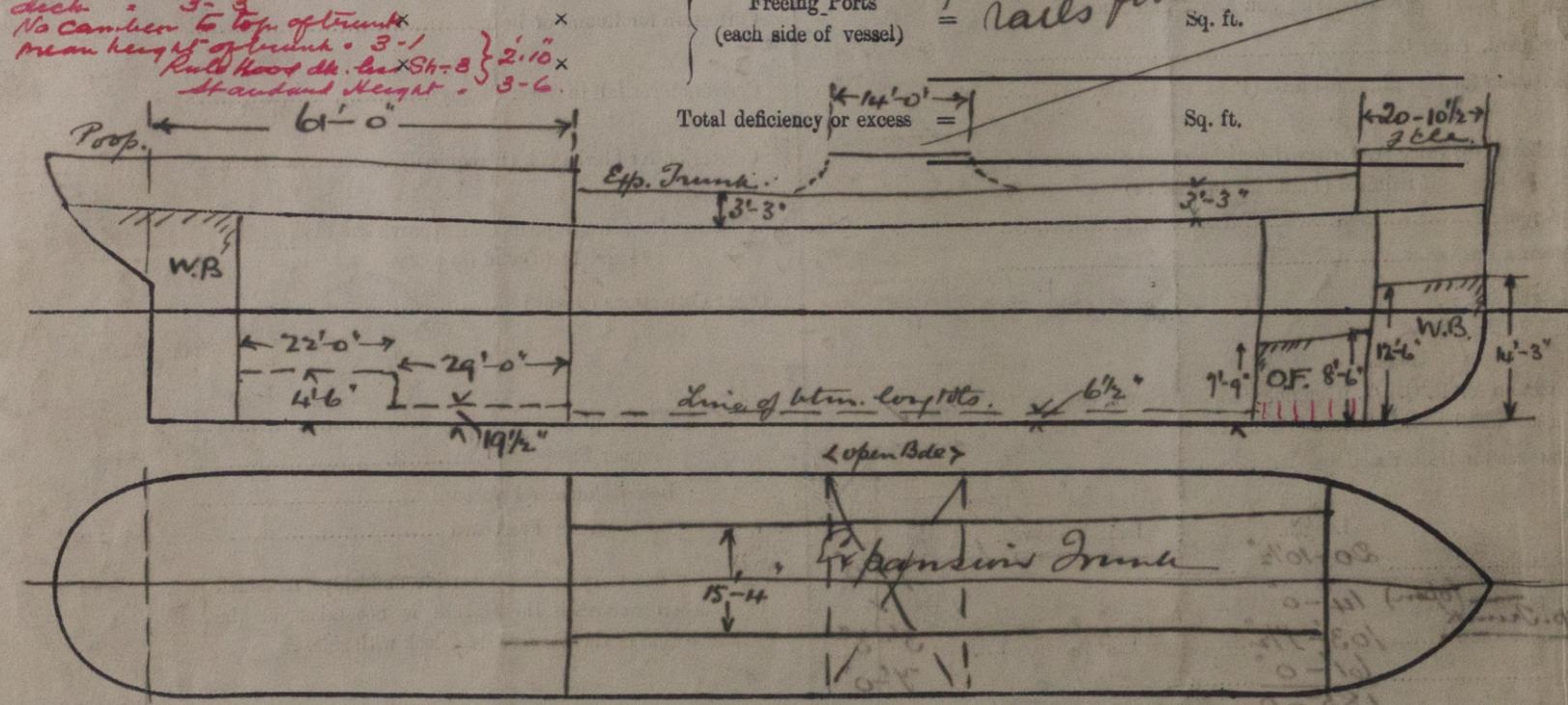
Position and Size.	Ship.		Rule.		Ship.		Rule.		Ship.		Rule.	
COAMING	Item.	Ship.	Rule.	Ship.								
Height above top of DECK	2-0											
Thickness	Sides .40											
	Ends .40											
SHIFTING BEAMS OR WEB PLATES.	Number											
	Section and Scantlings											
	Material											
* FORE AND AFTERS.	Number											
	Section and Scantlings											
	Material											
HATCHES Thickness	2 1/2											
Remarks	<i>not, to Cargo hold forward, 4'-0" x 3'-6"</i> <i>Remaining hatches are oiltight, to oil cargo holds</i> <i>Size 4'-0" x 3'-6"</i> <i>Coaming's 8" x 1/2" thick.</i> <i>1/2" "</i> <i>Estimated Under Deck Tonnage to Rule Height of Double Bottom, Ceiling & framing not fitted = 570.72</i>											

* 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? Strake between Main and Bridge Sheerstrakes?
 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 = *open bulwarks* Sq. ft.
 Ft. Tenths. Ft. Tenths. No. = *rails fitted* 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 *Longitud framing in Cargo Oil Tanks, Transv. framing*
 Builder's name and yard number *Goole Shipbuilding & Repairing Co. Ltd. No. 284*
 Names of sister vessels
 Owners *United Molasses Co. Ltd.*
 Address *London.*

Fee £ *3 : 13 : 4*
 To be applied for with 3. 8. fees.
 Received by me

