

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

Index No. 33394  
(For London Office only.)

REPORT No 19085

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

Port of Survey Greenock  
Date of Survey while building  
Name of Surveyor Kenneth Inglis

Ship's Name. ATHELVISCONNT  
Port of Registry and Nationality. LIVERPOOL BRITISH.  
Official Number. 16118  
Gross Tonnage. APPROX 8900  
Date of Build. Now BUILDING.  
Particulars of Classification. +100.A1.(CONTEMPLATED) CARRYING MOLASSES IN BULK.

Registered Dimensions from Ship's Register.  
LENGTH. 475  
BREADTH. 63.3  
DEPTH. 35.05  
UNDER DECK TONNAGE. 8309.69

Length on LOADLINE. 473.8  
AVERAGE 8 1/2  
Frame Depth 10  
Rule 8  
22 1/2 = 33 - 08  
12  
No SPARRING 33  
Ceiling +20  
Sheer +1.123  
Tanks INCLUDED  
TONNAGE BETWEEN TOP OF FLOOR 13  
TOP OF D.B. AFT 140  
+ TOP OF LONG 153

CORRECTED DIMENSIONS. 473.8 63.355 36.378 8462.69

Co-efficient of fineness..... A = .7834 B = .775  
Any modification necessary +10 LONGITUDINAL FRAMING  
[Para. 4 (a) to (e)]\*  
Co-efficient as corrected..... A = .7834 B = .785

Sheer { Stem..... 125 } 193 ÷ 2 = 96.5 ... Mean  
at { Sternpost 68 }  
Sheer at 1/2 of the length from { Stem 70 3/4 } 108 ÷ 2 = 54 ... Mean  
{ Sternpost 37 1/4 } ÷ 55 = 98.218  
Gradual mean Sheer ..... 97.354  
Standard mean Sheer [Table, Para. 18] ..... 57.438 Correction  
Difference..... 39.956 ÷ 4 = 9.99  
§ If limited as Para. 18 (f) ..... -10

Rise in Sheer { At front of bridge house.....  
from amidships {  
[Para. 18 (e)] { At after end of forecastle.....  
Fall in Sheer } ÷ 2 =  
Para. 18 (d) }  
Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 6' 5"  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 4 1/4  
6' 9 1/4"  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) ..... 9' 7 1/4"  
Difference ..... 2' 9 3/4"  
Percentage as below..... 26.33%  
8' 8 1/4"

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ..... - 9"  
Allowance for Deck Erections .....

Length. 47.83 Length above d. 45.43 Height. 8' 0"  
Forecastle.....  
Bridge House ..... 34.38 34.38 8' 0"  
+ Raised Q. Dk. .... 118.9  
Poop..... 118.9 8' 0"  
Total ..... 201.11 = 424 196.71 = 419  
Length of Ship ..... 473.8 473.8  
Corresponding percentage { 26 33 %  
(Para. 11, 12, 13, and 14)

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

\* U.D. 35' 0"  
Moulded Depth as measured.....  
Addition for Keel below base line for draught record... 2 3/4 inches.

CORRECTION FOR LENGTH.  
Length of Ship on Loadline..... 473.8  
Length in Table ..... 420  
Difference ..... 53.8  
Correction for 10ft., Table A. .... 1.7 Table C. .8  
× Difference divided by 10 ..... 9.14 (if required.) 4.3  
If 10ths length covered divide by 2 + 9 1/4 + 4 1/4

CORRECTION FOR IRON DECK.  
Proportion covered, if less than 1/2 the length covered ..... 42.4  
Thickness of usual wood deck, less stringer ..... 3 1/2  
-1.538 = -1 1/2"

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... 63  
Round of Beam ..... 15 3/4  
Normal round..... 15 3/4  
Difference ..... ÷ 2 = .....  
Proportion of Deck uncovered (Para. 19) ..... NIL

Freeboard, Table A ..... 9' 8"  
Correction for Sheer ..... - 10  
8' 10"  
Correction for Length ..... + 9 1/4  
9' 7 1/4"  
Allowance for Deck Erections ..... - 9  
8' 10 1/4"  
Correction for Round of Beam..... ✓  
Correction for fall in Sheer (if any)..... ✓  
Correction for Steel Deck (if required) ..... - 1 1/2  
8' 8 1/2 3/4"  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) } ..... ✓  
Other Corrections (if any) ..... ✓

Winter Freeboard ..... 6 1/2 8' 8 1/2 3/4"  
Summer Freeboard ..... 8' 2 1/4"  
Indian Summer Freeboard ..... 7' 7 1/2 3/4"  
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 3/4

Winter Freeboard from deck line ..... 8' 10 1/4 1/2"  
Summer " " " ..... 8' 3 3/4 4"  
Indian Summer " " " ..... 7' 9 1/4 1/2"  
N. A. Winter " " " ..... ✓

Winter Freeboard from deck line ..... 8' 4"  
Summer " " " ..... 6 1/2  
Indian Summer " " " ..... 6 1/2  
N. A. Winter " " " ..... 6 1/2

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.

UNDER DECK TONNAGE ASSUMING 40 PLANKS, 2 1/2" CEILING & 2" SPARRING = 7900 TONS



Do all the Frames extend to the top height in the Poop? YES Raised Quarter Deck? ✓ Bridge House? YES Forecastle? YES  
 To what height do the Reverse Frames extend? LONGITUDINAL FRAMING.  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? YES, PLATING .44, COAMING .48, STIFFS 11x3 1/2x46 BA SPACED 39" B.  
 Give particulars of the means for closing the openings in Bulkhead CHANNELS & BOARDS, FULL HEIGHT, CHANNELS RIVETED TO BULKHEAD.  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? NO Has the Bridge House an efficient Bulkhead at the fore end? YES  
 Give particulars of the means for closing the openings in Bulkhead STEEL HINGED W.T. DOOR.  
 What is the thickness of the Bridge Front plating? .43 and Coaming plate? .47  
 Give scantlings and spacing of the Stiffeners 10 1/2 x 3 1/2 x 46 BA LUG SPACED 36" APART  
 Are bracket plates fitted at each end of the Stiffeners? LOGS AT BOTTOM, BECKS AT TOP. 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? CHANNELS & BOARDS FULL HEIGHT, CHANNELS RIVETED TO BULKHEAD.  
 Is the Forecastle at least as high as the main or top-gullant 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 POOP.  
 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.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30									
	Sides	.44									
	Ends	.44									
SHIFTING BEAMS OR WEB PLATES.	Number	1									
	Section and Scantlings	12x30									
	Material	3 1/2 x 3 x .42									
* FORE AND AFTERS.	Number										
	Section and Scantlings										
	Material										
HATCHES Thickness											
Remarks											

16 MAIN TANK HATCHES 7'x7'-4 3/4" 15x4x4x41 CHANNEL COAMING STIFFENED COVER .50 WITH 3'x6" SQUARE HATCH WITH 6x3x40 BAC COAMING & .50 COVER.  
 4 MAIN TANK HATCHES 5'x7'-4 3/4" OTHER SCANTLINGS SIMILAR TO ABOVE  
 10 SUMMER TANK HATCHES 6'x3' COAMINGS 18x40 COVERS .50

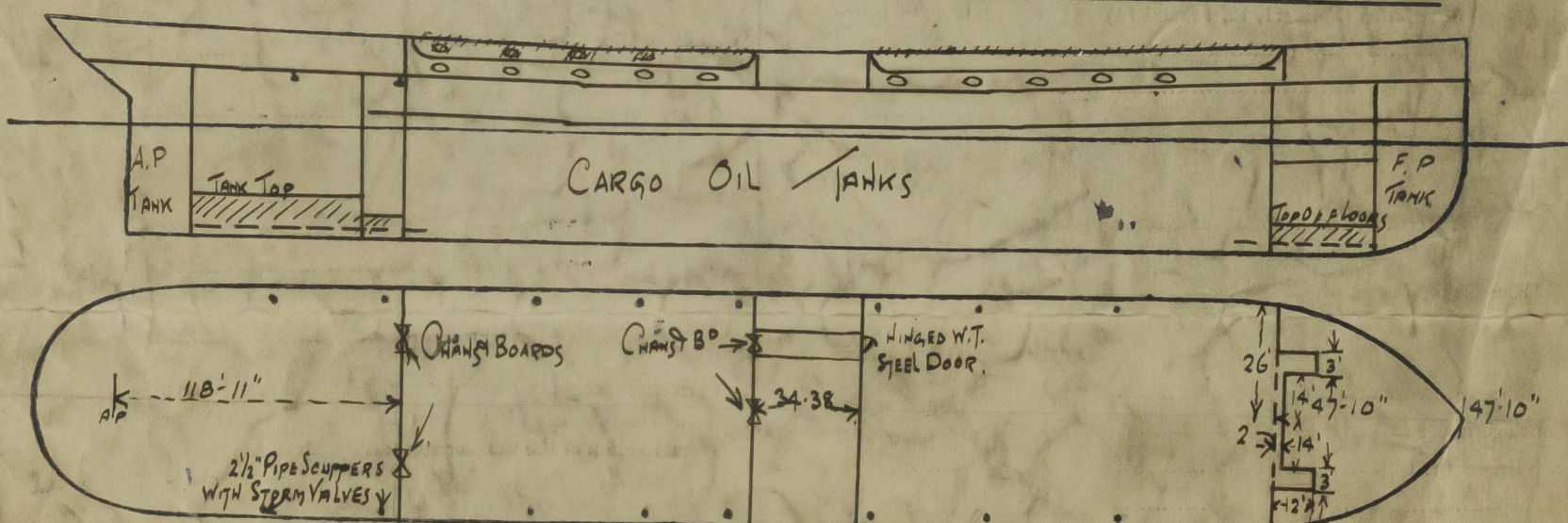
\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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 F 139'-3 1/2  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = F 27.5 Sq. ft.  
 Ft. Tenths. Ft. Tenths. No. = A 26.5 Sq. ft.  
 ON EACH SIDE 4.0 x 1.5 x 5 } Freeing Ports = 27.5 Sq. ft.  
 (each side of vessel) 27.5 only  
 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 CONSTRUCTED TO CARRY MOLASSES OR OIL IN BULK  
 Builder's name and yard number ROBERT DUNCAN & CO NO 391  
 Names of sister vessels T.S.M.V. ATHEL DUNCHESS W<sup>M</sup> HAMILTON & CO (1928) LTD NO 906  
 Owners UNITED MOLASSES CO LTD  
 Address LONDON.

Fee £ 12 : 16 : 8

Received by me See F.E. Report.

To BE RENDERED WITH FIRST ENTRY.



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