

9- APR 1954

TWIN SCREW STEAM TUG.
STEEL STEAMER OR MOTORSHIP.

14 APR 1954

Received at London Office

State if Report has been sent on the Freeboard of the Vessel ☒ ESState if Report is sent on the Machinery of the Vessel ☒ ES

Date of completion of report 31st MARCH 1954

Port of ABERDEEN

No. 23645.

Survey held at ABERDEEN

Date First Survey 2nd NOVEMBER 1951

Last Survey 31st MARCH

1954

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

STEEL TWIN SCREW STEAM TUG 'SAMSON'

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

State Type of Erections EXTENDED FORECASTLE.

TONNAGE under 659.51
Tonnage Deck ...

Do. of space or spaces between Tonnage Dk. and Upper Dk.

s Tonnage 854.66

ter Tonnage 184.18

REGISTERED DIMENSIONS.

FEET

167.1

35.2

16.45

CLASS FOR TOWING SERVICES + 100A1 State if with freeboard as condition of Class

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 165.0'

Breadth (greatest moulded) B 35.0'

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 18.6'

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) = 8838

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

Do. Long Bridge to top of keel

Draught Moulded 15'-8 5/16

Built at ABERDEEN

Launched 14th MAY 1953

Yard No. 741

Builders A. HALL & CO. LTD.

Owners THE ADMIRALTY

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

If surveyed while building, afloat, or in dry dock

WHILST BUILDING, AFLOAT & IN DRY DOCK.
UNDOCKED 15th MARCH 1954

FRAMES, DOUBLE BOTTOM AND BEAMS.

NOTE: ALL FRAME STATIONS
NUMBERED FROM FORWARD.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	24	✓	Bracket Floors, Frame	0. A. 6 3 50	✓
" " from 1/2 length amidships to Collision bulkhead	24	✓	" " Reversed Frame	0. A. 6 3 44	✓
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33x 32 1/2 142	✓
Frame Amidships, Angle, E or F	6 3 46	✓ 6x3x.38	" " top Angles	DOUBLE 3 3 34	42 IN BR. ✓
" " Extends up to	UPPER DECK	✓	" " bottom Angles	3 3 38	" " ✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 2 34	IN T.R. ✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	38	✓
Depth of Framing Girder	6	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	
Frames in FORECASTLE Uppermost Continuous 'tween Decks, Angle, E or F	3 3 30	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	✓	
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
" " Third	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem	6 3 46	✓ 6x3x.38	Tank Side Brackets, height above base line at toe of Frame and thickness	32 FL 3 1/2	✓
" " in Peaks, Angle or F	6 3 38	✓ 6x3x.38	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 2 5/4	✓ 14/4 IN WAY OF BUNKERS	Breadth and thickness of Middle Line Strake	54 x 46	✓
State if Frame Joggled	YES	✓	Thickness of remainder in Holds	46	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	AS APPROVED	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	AS APPROVED	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	6 3 30	FE. 26 ✓
Floors, Depth and thickness at mid-line in Holds	✓		Wells, Angle, E or F	6 3 36	29.33 AT CR. ✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or F	6 3 33	29.33 AT SIDE ✓
Middle Line Keelson, on Floors, Angles, E or F	✓		" " Spacing	5 3 30	34-38 AT CR. ✓
" " Through Plate or Inter-costal Plate	✓		" " EVERY FRAME.	3 3 30	34-38 AT CR. ✓
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or F	6 3 30	34-38 AT CR. ✓
" " Flat Plate Keel Angles	✓		" " Spacing	5 3 30	34-38 AT CR. ✓
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, E or F	6 3 30	34-38 AT CR. ✓
" " thickness of Inter-costal Plate	✓		" " Spacing	5 3 30	34-38 AT CR. ✓
" " Angles	✓		LOWER DECK.		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F	5 3 30	22-50 ✓
Solid Floors, thickness and spacing	38 34 INER	✓	" " Spacing	6 3 32	67-68 ✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Peep Deck, Angle, E or F	4 2 1/2 28	QUAT BEAMS. ✓
Bracket Floors, breadth and thickness at middle line	15 x 38 2" FL	✓	" " Spacing	5 3 32	6-8 ✓
" " breadth and thickness at margin plate	" " "	✓	Bridge Deck, Angle, E or F	4 2 1/2 30	FE-4 ✓
			" " Spacing	5 3 34	6-14 ✓
			" " Spacing	3 2 1/2 28	15-27 ✓
			Forecastle Deck, Angle, E or F	5 3 38	28-41 ✓
			" " Spacing	4 3 30	42-47 ✓
			" " Spacing	ON EVERY FRAME	AS APPROVED

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows					Stringer Plate, breadth and thickness in way of Bridge		✓	
WEB FRAMES in ENG. ROOM		18	X	36	Thickness of Plating abreast Deck openings in way of Wells	28	✓	
FRS 50-61 & 70		4	X	3	Thickness of Plating abreast Deck openings in way of Bridge	28	✓	
" " " " " "		3	X	3	Thickness of Plating within line of openings	28	✓	
" " " " " "		36	DEEP	34	If Sheathed, material and thickness	6	3	33 BA
" in Holds		4	X	3	Third Deck SIDE STRINGERS FWD.	6	3	38 LUGS
LOCAL					Stringer Plate, breadth and thickness	6	3	38 LUGS
Centre Line Bulkhead. 27-51 UPPER DK		6	3	38	If Plated, state thickness	9	3	36 BA
Stiffeners and Spacing 21-51 LOWER DK		24			Fourth Deck SIDE STRINGERS ENG. RM	6	6	38 LUGS
9'0" OFF C.P.S.		3	X	30	Stringer Plate, breadth and thickness	6	6	38 LUGS
Plating, thickness of					If Plated, state thickness			
STRINGERS AND DECKS.					Poop Deck.			
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness in Wells		58	X	32	Plating, Sheathing, material and thickness			
" " " " " " in way of Bridge					Bridge Deck.			
" Angle in Wells		3	3	37	Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells		30	X	50	Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge		30	X	26	Forecastle Deck.			
Thickness of Plating within line of openings		30	X	26	Stringer Plate, breadth and thickness	48	X	26
If Sheathed, material and thickness					Plating, Sheathing, material and thickness	3	3	30
Second Deck.								
Stringer Plate, breadth and thickness in Wells		42	X	32				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED,	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	NO.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAFFED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.					
Flat Plate Keel.....	44	44	44	50	44 AT RUDDER FRAME.	D.R.	3/4	3	DR.	3/4	25/8	STRAPPED INSIDE.
„ Dblg. (if any)	58 1/2	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Bottom Plating, No. of Strakes.....	58 1/2	37	37	35	41 " " "	DR	3/4	3	DR	3/4	25/8	LAPPED
Bilge Plating, No. of Strakes.....	57 1/2	37	37	33		DR	3/4	3	DR	3/4	25/8	"
Side Plating, No. of Strakes.....	58 1/2	37	37	33		DR.	3/4	3	DR.	3/4	25/8	"
Upper Deck, Sheer-strake in Wells.....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Upper Deck, Sheer-strake in Bridge.....	58	37	33	33		SR	3/4	3	DR	3/4	25/8	STRAPPED INSIDE.
Strake below Sheer-strake in Wells.....	55 1/2	50	37	33		DR	3/4	3	DR.	3/4	25/8	LAPPED.
Strake below Sheer-strake in Bridge.....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Poop Side Plating.....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BULKHEADS.	29 1/2	26	✓	26		SR	3/4	4 1/8	SR	3/4	4 1/2	STRAPPED
Bridge Side Plating.....	39	26	26	✓		SR	5/8	2 3/4	SR	5/8	2 1/4	LAPPED
Forecastle Side Plating.....	40 1/2	26	26	✓		SR	5/8	2 3/4	SR.	5/8	2 1/4	STRAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		7 ✓	7 B.H.	
Extending to Upper Deck (Sec. 3 c)				
,, Deck next below		5.		
As per Rule				
		STIFFENERS.		
Plating Thickness.	VERTICAL.		HORIZONTAL.	
	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks				
,, ,, Second ,,				
,, ,, Third ,,				
,, ,, Holds				
COLLISION ,, (in Hold)				
AFTER PEAK ,,				

Any Departure from Approved Plans to be Noted		Maker's Name.	Scantlings.	Casting or Forging.
✓	✓	✓	✓	✓
KEEL, Bar				
STEM	FORGING	6/2x1 1/2	TS. FORSTER	AS APP'D
PORT 1 STABRD. Propeller	"	AS APP'D	"	✓
STERN Propeller	"	6x17/8	"	✓
FRAME Rudder FRAME	"	15 KN OTS.		
Speed of Vessel				
RUDDER—Type	ORDINARY.			
,, A x D	"	162.		
,, Diam. of head	"	7 3/4	"	✓
,, Mainpiece at top pintle	"	7 1/2 x 7 5/8	✓	
,, ,, heel	"	6 1/4 x 6 3/4		
,, how constructed	49° RIVETED SIDE PLATES.			✓
,, double or single plate coupling, vertical or	DOUBLE.			✓
,, horizontal	HORIZONTAL	6x21/4 DIA RIVETED		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓	✓	✓
STEM	FORGING	6 1/2 x 1 1/2	15. FORTER	AS APPVD.
STERN	"	"	AS APPVD	"
FRAME	"	"	6 x 1 1/8	"
Speed of Vessel			15 KNOTS.	
RUDDER—Type	X	ORDINARY		
" A x D		" 162.		
" Diam. of head	X	" 7 3/4		
" Mainpiece at top pintle		" 7 1/2 x 7 1/2		
" " heel		" 6 1/4 x 4 1/4		
" how constructed		" 49' RIVETED SIDE PLATES		
" double or single plate		DOUBLE.		
" coupling, vertical or horizontal		HORIZONTAL 6 x 2 1/4 DIA FITTED BOLTS		

Rpt. 9a

Port of ABERDEEN.

Continuation of Report No. 23645 dated 31st MARCH 1954 on the

STEEL TWIN SCREW STEAM TUG. "SAMSON."

The following plans forwarded.

Sections	Sections (as fitted)
Structural Sections.	Structural Sections " "
Forecastle Deck	Forecastle Deck " "
Upper Deck	Upper Deck " "
Lower Deck	Lower Deck " "
Frame Angt.	Frame Angt. " "
Steel Expansion	Steel Expansion " "
Fore Body Bulkheads & Divisions	Fore Body Bulkheads & Divisions " "
Aft Body Bulkheads	Aft Body Bulkheads " "
Qty to Aft Body Bulkhead	Qty. Bldg. Comp. Eng Skylight " "
Eng. Boiler Casings & Eng Skylights	Eng. Boats - DB Ballast tank " "
Eng. Boats & DB Ballast tanks	DB Ballast tank - Longitudinal Sect. " "
Boiler Rm. DB and Longitudinal Skts	Stem Plan " "
Boiler Stools	Propeller Brackets " "
OT. Tanks for W.C. Discharge	Boiler Stools " "
Rudder and method of withdrawing	
Stem Plan	
Propeller Brackets	
Steel Castings	
Decking Angt. and Details	
Main and details	
Details of Ventilation Sheet 1	
" " " " " " Sheet 2	
Ventilation in Engine Room	
Ventilation arrangements	

Please return plans above for use on sister vessels.

The following certificates forwarded.

- Rudder Head & frame.
- Ell frame
- Lower Stem piece.
- Propeller bracket (P)
- Propeller bracket (S)

Steel invoices retained meantime and will be forwarded on completion of sister vessels.

S. MacLachlan

EQUIPMENT No. 8838 ✓ TUG.												LETTER	ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	} STOCKLESS. SUPPLIED BY ADMIRALTY.			
1381 A.	1st Bower	18	0	0	✓			19	0	0	0	10 1/2				LOW WALKER 4/7/52 R. VEGAN
1382 A.	2nd "	17	3	21	✓			19	0	0	0	9 3/4			D°	D° D°
1406 A.	3rd "	15	1	7	✓			16	2	0	7	9 3/4 ✓			D°	13/10/53 D°
	Collective weight	51	1	0	✓											
26261.	Stream	7	1	0	1	1	23	9	9	1	4				CARDIFF 22/7/53 J.H. THWORTH	

CHAIN CABLES.										HAWSERS AND WARPS.										
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.					Fathoms	Ins.	Tons.	Fathoms	Ins.	
18856 A	60	5/16	31	✓	52 - 1 - 18				} 159.	180	15/16	STUD LINK.	SUPPLIED BY ADMIRALTY.	CARDIFF 2/12/53 D.W.	} CRADLEY HEATH. 25/3/46 J. NORMAN.	} TOWLINE				
23330 A.	120	5/16	31	✓	106 - 2 - 8															
23331 A.	30	5/16	31	✓	26 - 2 - 14															
	Cir.																			
Iron Stream Chain or Steel Wire	SUPPLIED BY ADMIRALTY.																			

Steering Gear, Type (Power or hand) STEAM HYDRAULIC BY MACTAGGART SCOTT. CO. Alternative Means of Steering BLOCKS & TACKLES.
Steering Chains (Size and Test) ✓ Windlass 6 1/2 x 8" THOM. REID & SONS. Boats 1- 22.0 x 7.3 x 2.75
2- 20.0 x 6.75 x 2.67 MOTOR
Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓
Cargo Hatchways. (Upper Deck) ✓ Thickness of Hatches ✓
Hatchways No. 1 (Fwd.) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓
Number of Shifting Beams }
or Fore and Afters }
Builder's Signature For ALEXANDER HALL & CO. LTD.
W. V. Smith Managing Director

DECLARATION.

It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel **YES** ✓
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo **No** ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).
CARRYING OIL FUEL F.P. ABOVE 150°F. IN SIDE TANKS FRS 21-51 (P.S.) & IN CRTANKS 21-27 & 45-50, 450 TONS.
This ship has been built under special survey in conformity with the Society's Rules and Regulations and Secretary's letters. The scantlings and arrangements of the ship are as given on the plans and as shown and amended on the approved plans now forwarded. All modifications and alterations to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to the Rule requirements. Plans for use "as fitted" are forwarded herewith. The materials and workmanship are good. The peak tanks, deep tanks, w.t. compartments, the bottom and oil fuel tanks have been tested as required by the Rules, and found satisfactory. The weather decks, coverings, sidelights, hatches, and w.t. bulkheads have been tested and found satisfactory. The windlass, main and auxiliary steering and pumping arrangements have been tested under working conditions and found satisfactory. All structural members verified. ✓

The amount of Entry Fee £ 240 0 0
Supervision of Specification 240 0 0
Special Survey Fee £ 176 0 0
Favourable assignment 18 0 0
Travelling Expenses, if any £ 3 0 0

Fees applied for, 13/3/1954
Received by me, 19

(Special notations, where part of class, to be stated.)
I am of opinion the Vessel should be Classed **+ 100 A1**
FOR TOWING SERVICES.
for W. Alcock and self.
Signature D. MacLellan.
Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey **YES**.
Certificate to be sent to **ABERDEEN.** Date of issue **2/6/54**
Committee's Minute **GLASGOW 13 APR 1954**
Character assigned **+ 100 A1.**
For towing services
3.5H. Abn.
Lloyd's R.C.P.
+ L.M.C. 3.5H.
2 WTB. - 250 lb.
Fitted for oil fuel 3.5H. F.P. above 150°F.

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

BULKHEADS

No.	PLATING	VERT. STIFFERS	SPACED	HORIZ. STIFFERS	EXTENDS
5	26-38 ✓	6x3x.30 BA ✓	24" ✓	LOWER DK. APT SIDE	W.T.B. UPPER DK. ✓
9	34-38 ✓	6x3x.32 BA ✓	30" ✓	W.T. FLAT " "	W.T.B. LOWER " ✓
15	25-38 ✓	5x3x.40 BA ✓	30" ✓	" " FORE "	W.T.B. UPPER " W.T. Don fitted between Lower
17	34-38 ✓	6x3x.32-46 BA ✓	24-30" ✓	" " AFT "	W.T.B. LOWER " ✓
21	34-38 ✓	5x3x.30 BA ✓	24-30" ✓	" " FORE "	O.T.B. " " ✓
27	28-36 ✓	6x3x.38 BA ✓	24-27 ✓	✓	O.T.B. " " UPPER DK. ✓
36	26-34 ✓	8x3x.38 BA ✓	24" ✓	✓	O.T.B. UPPER " AT SIDES ✓
45	28-36 ✓	7x3x.33 BA ✓	21-33 ✓	✓	O.T.B. " " ✓
50	30-36 ✓	7x3x.33 BA ✓	27" ✓	✓	O.T.B. LOWER " ✓
51	28-36 ✓	6x3x.40 BA ✓	21-33" ✓	✓	O.T.B. UPPER " ✓
66	32-36 ✓	6x3x.36 BA ✓	30-31" ✓	✓	W.T.B. LOWER " ✓
69	25-36 ✓	6x3x.38 BA ✓	30" ✓	O.T. FLAT. ✓	O.T.B. UPPER " ✓
72	32-36 ✓	7x3x.33 BA ✓	30" ✓	✓	O.T.B. LOWER " ✓
76	30-32 ✓	5x3x.34 BA ✓	27" ✓	✓	W.T.B. LOWER " TO UPPER DK. ✓
77	25-26 ✓	4x2½x.26 ✓	27" ✓	✓	W.T.B. " " " " " ✓
78	32-36 ✓	4x2½x.30 ✓	27" ✓	O.T. FLAT. ✓	W.T.B. LOWER " ✓

PARTICULARS OF ELECTRIC WELDING (if employed) LOWER DECK TO SHELL. LOWER DECK TO LONGRIBBED IN SIDE TANKS. UPPER DECK TO SHELL FORWARD. ALSO MINOR STRUCTURAL ITEMS ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

ECHO SOUNDING DEVICE. DIRECTION FINDING. LLOYDS A&CP.

FITTED FOR OIL FUEL F.P. ABOVE 150°F. RADAR.

PART ELEC WELDED. ✓

RADAR. ✓

DECCA TYPE 159B.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

2nd "

3rd "

TESTED BY ADMIRALTY.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 96.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. ✓ Signal Letters ✓ Extreme Breadth over Belting 36'-10 3/4". Over-all Length 175'-11 1/4". (Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 DECK STEEL.

Parts of Bottom of Vessel coated with cement or approved composition PEAKS, F.W. & W.B. TANKS. CEMENT & CEMENT WASHED.

Particulars of composition (if fitted) and of approval ✓

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	STEM TO 5.	12-5 5/8 29.67
Double bottom, under Engines and Boilers,			After peak tank,	FRS 78-82.	8-0 4.59
Double bottom, if under Engines only, FRS 51-65 (P) ✓	28-0	18-07	Deep tank, aft,		
Double bottom, if under Boilers only, FRS 31-66 (S) ✓	30-0	18-67	Deep tank, forward,	FRS 9-15.	12-0 10-4
Double bottom, forward,	10-0	12-05	Other tanks, if fitted, F.W. TANK 76-78 ✓	4-0	5-82
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)	12-0	22-44

Order for Special Survey No.

2096.

Date 28.6.51

Dates of Surveys held while building

1951 NOV 2, 9, 12, DEC 5, 14, 19, 24, 27. 1952 JAN 11, 18, 24, 29, FEB 12, 26, 28, MAR 6, 14, APR 5, 15, 21, MAY 14, 20, 25, 29, JUN 10, 17, 20, 25, 27, JUL 8, AUG 6, 21, 27, SEP 2, 8, 25, OCT 8, 14, 20, 23, NOV 5, 10, 20, 24, 27, DEC 19, 12, 17.
1953 JAN 27, 30, FEB 5, 11, 17, 23, 24, 25, 26, 27, MARCH 2, 5, 9, 24, 27, 30, APR 6, 8, 13, 16, 23, 30, MAY 1, 4, 6, 7, 11, 13, 14, 21, 27, JUNE 8, 11, 17, 19, 19, 22, 30, JUL 30, 31, AUG 3, 6, 21, SEP 4, 16, OCT 9, 16, 21, 29, DEC 4, 8.
1954 JAN 6, 12, 15, 20, 27, FEB 2, 5, 11, 15, 22, MAR 1, 4, 5, 10, 15, 29, 30, 31.

Total No. of Visits 95