

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	Two	
" in 'tween Decks, Size and Spacing.....	Larg Blks	
" " " " "	throughout	
" in Holds " " "	Cargo Tanks	
" " " " "	Pump Room	
" " " " "	Cofferdams	
" " " " "	and O. Buckles ✓	
Center Line Bulkheads	Bulk plate	
X Stiffeners and Spacing.....	10 x .45 @ 36 ✓	
Plating, thickness of .....	.50 ✓	
X also 24 x .40 Web With 32 x 32 x .40 face bars at transverse ✓		
STRINGERS AND DECKS.		
Uppermost Continuous Deck.		
Stringer Plate, breadth and thickness in Wells	74 x .72 ✓	
" " " " in way of Bridge	74 x .72 ✓	
" Angle in Wells	7 7 .72 ✓	
Thickness of Plating abreast Deck openings in way of Wells .....	.79 - .68 ✓	
Thickness of Plating abreast Deck openings in way of Bridge	—	
Thickness of Plating within line of openings...	.58 ✓	
If Sheathed, material and thickness	—	
Second Deck.		
Stringer Plate, breadth and thickness in Wells...	Forward 45 x .36 ✓	
Stringer Plate, breadth and thickness in way of Bridge	Deep Forward	
Thickness of Plating abreast Deck openings in way of Wells .....	.34 ✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	.36 — .32 ✓	
Thickness of Plating within line of openings...	Deep Poop	
If Sheathed, material and thickness	—	
Deep Tank Top (Ford)		
Third Deck.		
Stringer Plate, breadth and thickness.....	.40 ✓	
If Plated, state thickness.....	.36 ✓	
Fourth Deck.		
Stringer Plate, breadth and thickness.....	—	
If Plated, state thickness	—	
Poop Deck.		
Stringer Plate, breadth and thickness	78 - 42 x .34 ✓	
Plating, Sheathing, material and thickness ...	.30 - .26 ✓	
Bridge Deck.		
Stringer Plate, breadth and thickness.....	Sheathed outside Deck House 2 1/2" O.P. 72 x .40 ✓	
Plating, Sheathing, material and thickness ...	.30 x appd Sheath where expd	
Forecastle Deck.		
Stringer Plate, breadth and thickness.....	Composition inside House ✓ 81 - 39 x .38 ✓	
Plating, Sheathing, material and thickness ...	.36 under Windlass ✓ X Efficiently stiffened where exposed	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	<i>upper</i> EDGES. <i>No</i> ✓ State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	53 ✓	.99 ✓	.77 ✓	.77 ✓	.51	Double	1" ✓	3 ³ / ₄ ✓				Welded ✓
BOTTOM PLATING B		.65 ✓	.60 ✓	.50 ✓	appt. .50 at ends	"	7/8 ✓	3 ¹ / ₂ ✓				" ✓
" DECK (if any) C		.65 ✓	.55 ✓	.50 ✓	"	"	" ✓	3 ¹ / ₂ ✓				" ✓
" D		.65 ✓	.55 ✓	.50 ✓	"	"	"	3 ¹ / ₂ - 3 ¹ / ₂ ✓				" ✓
BOTTOM PLATING, No. E of Strakes .....		.66 ✓	.50 ✓	.50 ✓	"	"	"	"				" ✓
BILGE PLATING, No. of Strakes .....		.65 ✓	.50 ✓	.50 ✓	.51 ✓ see ends section as appt. as draft	"	"	"	4 - 3 ✓	7/8	3 ¹ / ₂ - 3 ¹ / ₂ ✓	Lapped
SIDE PLATING, No. of Strakes .....		.63 ✓	.47 ✓	.47 ✓	.48 ✓	"	"	"	4 - 3 ✓	7/8	3 ¹ / ₂ - 3 ¹ / ₂ ✓	"
UPPER DECK, Sheer- strake in Wells	67 ¹ / ₂ ✓	.98 ✓	.58 ✓	.48 ✓	appt. .48 at ends				5 - 3 ✓	1 ¹ / ₈ - 7/8	5 - 3 ¹ / ₂ ✓	"
UPPER DECK, Sheer- strake in Bridge ...		1.15 ✓				Bridge side plating Carried down to BH.			5 ✓	1 ¹ / ₈	5 ✓	"
STRAKE BELOW Sheer- strake in Wells	81 ✓	.82 ✓	.54 ✓	.48 ✓	appt. .48 at ends	Double	1 ¹ / ₈ ✓	3 ³ / ₄ - 3 ¹ / ₂ ✓	4 - 3 ✓	1 ¹ / ₈ - 7/8	4 - 3 ¹ / ₂ ✓	"
STRAKE BELOW Sheer- strake in Bridge ...	"	.82 ✓			"	"	1 ¹ / ₈ ✓	4 ² / ₇ ✓	4 ✓	1 ✓	4 ✓	"
POOP SIDE PLATING		1.15 at poop & bridge ends 1540 ✓				Single	3/4 ✓	3 ✓	2 ✓	3/4	2 ⁵ / ₈	"
BRIDGE SIDE PLATING ...		10.44 ✓				One Strake			2 ✓	3/4	"	"
FORE'TLE SIDE PLATING			.44 ✓		10.50 at breaks ✓	Single	3/4 ✓	3 ✓	1 ✓	3/4	"	"

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

[illegible]

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Polvillas hel.

Steel Company of Scotland.

Has the Steel been tested as required by the Rules?

yes. ✓

Lloyd's Register
Foundation

EQUIPMENT No. 46245				LETTER d.f.				ANCHORS.			
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				
7881 1st Bower	82 0 25	✓ STOCKLESS	60 0 0	✓ 81 1/4	BYERS IMPROVED TYPE	W.L. BYERS & CO. LTD	SUNDERLAND 24.8.46	DOVEY ✓			
7880 2nd "	81 2 21	✓ "	59 10 0	✓ 81 1/4	" " "	" "	" 23.8.46	" ✓			
7883 3rd "	70 0 0	✓ "	53 15 0	✓ 69 1/2	" " "	" "	" 24.8.46	" ✓			
Collective weight	233 3 18	✓		23.2 ✓							
7738 Stream	29 2 8	✓	28 6 3	✓ 27 1/2 Ex Stock	" " "	" "	" 10.7.46	" ✓			

CHAIN CABLES.										HAWSERS AND WARPS.									
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.	Supplied. Per Rule.	Length. Diam.	Length. Diam.					Length. Cir.	Length. Cir.	Length. Cir.									
29 300 2 1/2	157.5 112.5	935 1.14 940	300 2 1/2	STUD LINK	-	NETHERTON 11.9.46 MURPHY	TOWLINE	130 5 1/2 (6.24)	84.4	130 5 1/2 (6.24)									
78 TWO ATTACHMENTS EACH CONTAINING 3 OPEN LINKS	157.5 112.5	7.2.0				" 5.9.46 "	HAWSERS & WARPS	2 @ 100 3 1/2 (6.24)	25.7	2 @ 100 2 3/4									
76 END SHACKLE FOR 2 1/2" CABLE	- 112.5	1.3.14				LOW WALKER 4.7.46 VOGAN		4 @ 100 3 1/2 (6.24)	25.22	4 @ 100 2 3/4									
77 " " " "	- 112.5	1.3.7				" " " "													
Stream Wire 120 4 3/4 (6.24)	64.6		120 4 3/4 (6.24)																

Steering Gear, Type (Power or hand) Steam-Hydraulic by Austin Alternative Means of Steering Blocks & Tackle

Steering Chains (Size and Test) — Windlass Steam by Emerson Walker Ltd Boats 3 @ 26-0 (One with Motor) 1 @ 28-0 with Motor

Stowage in Holds, thickness and material None Cargo Battsens, thickness, material and spacing None

Hatchways. (Upper Deck) Steel plates & angles at No. 1 Thickness of Hatches Steel covers

No. of Hatchways No. 1 (Fwd.) 6-9 x 10-0 No. 2 Oil Hatch 6-0 x 4-0 No. 3 — No. 4 — No. 5 — No. 6 —

Number of Shifting Beams and/or Fore and Afters One steel fore and after at No. 1 hatch

Builder's Signature For HARLAND AND WOLFF, LIMITED, Glasgow

GENERAL 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 Motor Ship

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo Tanker 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).

This vessel has been built in conformity with the Society Rules and Regulations and the Secretaries letters. The scantlings and arrangements are in accordance with or equivalent to those shown in the approved plans. The materials and workmanship are good. Cargo oil tanks, Oil fuel bunkers, Forward & After Cofferdams, Deep tank forward, Fore and after peak tanks, Double bottom tanks & Cofferdam, Bulkheads and Decks have been tested to Rule requirements and found satisfactory.

Bulge Structure tried and found satisfactory

Forward Vent and Marks out in

The Steering gear and Windlass tried under working conditions and found satisfactory

Oil Fuel F.P. above 150° F is carried in oil bunkers aft, Deep tank forward and double bottom in Engine space. Section 20 of the Rules Complied with

The amount of Entry Fee £ 11 0 0 Fees applied for, 30/9/1946 (Special notations, where part of class, to be stated.)

Special Survey Fee... £ 623 11 9 Received by me, 19

Freight 19 0 0

Travelling Expenses, if any £ :

State whether the Vessel has been built under Special Survey Yes I am of opinion the Vessel should be Classed + 100-A-1

Signature H. Dickson Surveyor to Lloyd's Register of Shipping.

Certificate sent to Glasgow Office Date of issue 14/11/46

Committee's Minute GLASGOW 15 OCT 1946

Character assigned -1- 100-A-1 Carrying Petroleum in Bulk

Lloyd's -1- Rule 9.46 oil tank

Longitudinal Framing at Bottom & at Deck

Rpt. 1*.

BRITISH KNIGHT

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.											
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.								
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.							
Framing of Γ , Γ or \square																				
Frames in Bridge between Decks ...																				
Frames from Uppermost Continuous Deck																				
CENTRE Tank Wing Tanks	No. 1	17	4	4	.48	17	4	4	.48											
	" 2	"	"	"	"	"	"	"	"											
	" 3	"	"	"	"	"	"	"	"											
	" 4	"	"	"	"	"	"	"	"											
	" 5	"	"	"	"	"	"	"	"											
	" 6	Longitudinal Bulk																		
	" 7	17	4	4	.48	17	4	4	.48											
	" 8	"	"	"	"	"	"	"	"											
	" 9																			
	" 10																			
	" 11																			
	" 12																			
	" 13																			
	" 14																			
	" 15																			
	" 16																			
Spacing of Longitudinal Frames		Amidships			At Ends															
Tank Top Longitudinals																				
Bottom																				
Amidships																				
At ends...																				
Transverses.																				
Side between Decks	Depth and Thickness																			
	Face Angles																			
	Lugs to Shell*																			
	Depth and Thickness	36		.44		36		.44												
Bottom in Side in Hold of Tanks	Face Angles	3 1/2	3 1/2	.44		3 1/2	3 1/2	.44												
	Lugs to Shell*	6	6	.44		6	6	.44												
	Depth and Thickness	54		.48		54		.48												
	Face Angles	9	3 1/2	.60		9	3 1/2	.60												
Bottom in Tank	Lugs to Shell*	6	6	.48		6	6	.48												
	" " Back Bars	3 1/2	3 1/2	.48		3 1/2	3 1/2	.48												
	Brackets			.48				.48												
	Spacing of Transverse Frames...	10-0				10-0														
* State if joggled or liners.																				
Longitudinal Beams of Γ or \square	Bridge Deck																			
	Upper	8	3 1/2	.42		8	3 1/2	.42												
	Second	8	3 1/2	.45		8	3 1/2	.45												
	Third																			
Spacing.																				
Transverse Beams.																				
Plate.																				
Face Angle																				
Any departure from Approved Plans to be Noted.																				

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

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.)

Note—Midship Section as built forwarded in advance.

- 1 Midship Section
- 2 Framing Profile
- 3 Typical O.T. Trans Bhd
- 4 Stem frame
- 5 Rudder Plan
- 6 Steel Decks
- 7 Strengthening of Bottom Forward.
- 8 Trans. Bhd in Forward Oil Tanks
- 9 Deep Tank etc forward.
- 10 O.F. Bunker & After Cofferdam
- 11 Forward Cofferdam Bulkhead.
- 12 Engine Seating & Tank Top
- 13 Framing in No. 1, 2, 8 & 9 Wing Oil Tanks
- 14 After end framing.
- 15 Fore peak Bhd & Chain locker
- 16 Fore end stiffening
- 17 Web frames & Side Stringers in Engine Room
- 18 Cargo pump seats
- 19 E & B Casings
- 20 Deckhouses on Upper Bridge Deck
- 21 Arcuses above Bridge Deck
- 22 Deckhouses on Navigating Bridge.
- 23 Loop Deckhouse and Boat Deck aft
- 24 Automatic Vent pipes
- 25 Auxiliary Steering gear.
- 26 Pumping Arrangements at Ends of Vessel.
- 27 Upper Deck hatch to fore hold.

Forging or Casting Reports:—

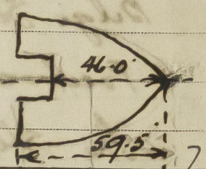
Stem frame
Stem frame back post
Rudder stock
Rudder arm and bushes.

PARTICULARS OF ELECTRIC WELDING (if employed) Keel & bottom shell butts; upper deck plating & stringer butts; Bhd stiffeners & webs; Tank top in E.S.; Bottom longitudinal butts; Tank stringers to shell & bhd; Longitudinal Trans: Bhd stiffeners top butts to stiffeners; Floors to tank top & girders under engines; Upper & 2nd Deck stringers to shell at ends; Deep tank top to shell; Fore hold stringers to shell; Fore peak stringers and tank top to shell & Bhd; Side stringers in E.S. to shell and webs; Oil Cargo Hatch Coamings; Rudder; Long Bhd to shell, Ends of bottom hog to shell in line of back bars
Other details

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Carrying Petroleum in Bulk. Longitudinal framing at bottom and at deck; Cruiser Stem; 1 Deck & 2nd Deck clear of Cargo tanks; Wireless; Lloyds A.C.P.; Oil Engine; Directing Fitter; Echo Sounding device; Machinery aft: Gyro Compass; Radar.

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

1st Bower	52-3.4	✓	A.E.G.	8320	22-3.46	✓
2nd "	52-0.14	✓	A.E.G.	8455	3-5.46	✓
3rd "	45-2.17	✓	J.H.J.	7767	22-5.46	✓
STREAM	18-2.5	✓	A.E.G.	7465	18-5.45	✓



PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 98.0 ft., R.Q.D. — ft., Bridge 46.5 ft., Forecastle 59.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 180961 Signal Letters Extreme Breadth over Belting None Over-all Length 489'-9 1/2" ✓
No. and Material of Decks 1 Deck & 2nd Deck clear of Cargo Tanks (Circ. 1611) (Circ. 1708)

Parts of Bottom of Vessel coated with cement or approved composition Fore peak; after peak; Double bottom fuel tank in Engine Room and Double bottom Cofferdam in Engine Room. Cement filllets at edges of bottom shell plating in Cargo Oil Tanks; O.F. Bunkers; Pump Rooms; Cofferdams; and O.F. Double bottom Tank in E. Room
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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	23.5	137.0
Double bottom, under Engines and Boilers,	67.5	86.0	After peak tank,	16.0	86.3
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	31.5	418.8
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	67.5	86.0	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6773

Date 27.3.45

Dates of Surveys held while building

1945 Apr 6 May 11 Jun 5 Aug 7.24 Sep 7.11.12.19.21.26 Oct 1.28.11.12.22.24.30 Nov 1.6.9.15.22.23.28.29
Dec 7.12.18.26.28.1946 Jan 7.9.10.14.17.21.28.31 Feb 8.13.15.18.20.26.28 Mar 1.4.8.13.14.18.22.24.9.15.16.17.18.19
23.28.26.27.30 May 2.3.6 7.8.9.10.13.15.16.17.20.22.23.24.27.29.31 Jun 3.4.5.10.12.31 Aug 2.6.7.8.9.13 Sep 3
11.18.19.20.23.24.25

Lloyd's Register Foundation
Total No. of Visits 103