

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office APR 17 1941

State of Report has been sent on the Freeboard of the Vessel *yes*State of Report is sent on the Machinery of the Vessel *yes*

Date of completion of report

15<sup>th</sup> April 1941

Port of

BELFAST

No. 12953

Survey held at

BELFAST

Date First Survey

4<sup>th</sup> July 1939

Last Survey

3<sup>rd</sup> April

1941.

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

SINGLE SCREW MOTOR VESSEL "PALMA"

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

C.S.S. WITHOUT TONNAGE OPENING.

(SEE PAGE 4. T.O. CLOSED)

State Type of Erections

C.S.S. WITH F'CASTLE SUPERIMPOSED.

TONNAGE under Tonnage Deck

4726.70

CLASS \* 100A1.

State if with freeboard as condition of Class *yes*

Built at BELFAST

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

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

L 425

Launched 14<sup>th</sup> January 41 Yard No. 1028.

Total

Breadth (greatest moulded) B 61

Builders HARLAND &amp; WOLFF LTD;

Gross Tonnage

5418.61

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

D 35.75

Owners ROYAL MAIL LINES LTD;

Register Tonnage

3078.53

1st Longitudinal Number (L x D) = 15194

Managers

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 41119

Residence

REGISTERED DIMENSIONS.

FEET.

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

15.08

Port of Registry LONDON.

Length

433.3

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

11.19

If surveyed while building, afloat, or in dry dock

Breadth

61.3

Do. Long Bridge to top of keel

25'-11 1/4"

Building and Afloat.

Depth

22.75

Draught Moulded

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	31" ✓		<b>Bracket Floors, Frame</b>	✓	
" " from 1/2 length amidships to Collision bulkhead	27" ✓		" " Reversed Frame	✓	
" " in peaks	24" ✓		" " Vertical Struts	✓	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	44" x 54" ✓	
Frame Amidships, Angle, [ <i>45°</i> ]	8" x 44" x 3 1/2 x 3 1/2 x 52. ✓		" " top Angles <i>DOUBLE</i>	3 1/2 x 3 1/2 x 48 ✓	
" " Extends up to	3 <sup>rd</sup> Deck ✓		" " bottom Angles <i>DOUBLE</i>	5 x 5 x 54 ✓	
Reversed Frame Amidships, Angle	✓		<b>Side Girders, No. each side and thickness</b>	ONE, 38 ✓	
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>	35 x 54 ✓	
Depth of Framing Girder	8" ✓		" " Vertical Angle to Tank side	3 1/2 x 3 1/2 x 46 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [ <i>45°</i> ]	7" x 32" x 38" ✓		" " Bracket abaft 1/2 len. from stem <i>CLEAR OF DEEP TANKS, FORE</i>	✓	
" " Second 'tween Decks, Angle, [ <i>45°</i> ]	-do- ✓		" " Vertical Angle to Tank side	✓	
" " Third " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem <i>CLEAR OF DEEP TANKS, FORE</i>	9" x 44" x 3 1/2 x 3 1/2 x 50 ✓	8" x 60" x 3 1/2 x 3 1/2 x 52 APPROVED. ✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	CONTINUOUS PLATE 44 ✓	
" " in Peaks, Angle, [ <i>45°</i> ]	8" x 3 1/2 x 35 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" @ 5 3/4" ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	68 1/2" x 41" ✓	
State if Frame Joggled	yes ✓		<b>INNER BOTTOM PLATING.</b>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓		Breadth and thickness of Middle Line Strake	54" x 52 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes ✓		Thickness of remainder in Holds	44" ✓	
<b>SINGLE BOTTOM.</b>			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space <i>and framing in Boiler and Boiler Room</i>	yes ✓	
Floors, Depth and thickness at mid-line in Holds	✓		<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships in Wells, Angle, [ <i>45°</i> ]	7" x 38" x 3 1/2 x 3 1/2 x 50 ✓	
Middle Line Keelson, on Floors, Angles, [ or [ ]	✓		" " in way of Bridge, Angle, [ <i>45°</i> ]	-do- ✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	every frame ✓	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [ <i>45°</i> ]	9" x 36" x 3 1/2 x 3 1/2 x 54 ✓	
" " Flat Plate Keel Angles	✓		Spacing	every frame ✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, [ <i>45°</i> ]	8" x 42" x 3 1/2 x 3 1/2 x 52 ✓	
" " thickness of Intercoastal Plate	✓		Spacing	every frame ✓	
" " Angles	✓		Fourth Deck, amidships, Angle, [ or [ ]	✓	
<b>DOUBLE BOTTOM.</b>			Spacing	✓	
Solid Floors, thickness and spacing	42" @ 31" ✓		Poop Deck, Angle, [ or [ ]	✓	
" " Are Frame and Reversed Frame joggled?	yes ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, [ or [ ]	✓	
" " breadth and thickness at margin plate	✓		Spacing	✓	
			Forecastle Deck, Angle, [ <i>45°</i> ]	8" x 3 1/2 x 36 ✓	
			Spacing	every frame ✓	

W1201-0208 1/2



## 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.
<b>PILLARS, No. of Rows.....</b>	TWO ✓		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	WIDE ✓		Thickness of Plating abreast Deck openings in way of Wells <i>THROUGHOUT</i> .....	42 1/2 34 AFT ✓ 42 1/2 36 FORE ✓	
„ „ „ „ „	SPACED ✓		Thickness of Plating abreast Deck openings in way of Bridge <i>MOTOR CASING</i> .....	42 ✓	
„ in Holds „ „	AS APPROVED ✓		Thickness of Plating within line of openings...	34 ✓	
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	51 x 38 ✓	APP. 49 x 38 ✓
Plating, thickness of .....	✓		If Plated, state thickness. <i>ABREAST OPENINGS</i> „ <i>IN LINE OF OPENINGS</i>	34 ✓ 30 ✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness <i>AMIDSHIPS</i>	79 1/2 x 60 ✓	APP. 61 1/2 x 64 ✓	If Plated, state thickness .....	✓	
„ „ „ <i>CLEAR OF in way of Bridge DECK HOUSE.</i>	62 1/2 x 63 ✓		<b>Poop Deck.</b>		
„ Angle in Wells <i>AMIDSHIPS</i> .....	6 x 6 x 64 ✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells <i>CLEAR OF MIDSHIP D. HOUSE</i>	47 1/2 40 FORE ✓ 51 1/2 36 AFT ✓	45 1/2 36 APP. ✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge <i>MIDSHIP D. HOUSE</i> ...	47 ✓		<b>Boat Deck.</b>		
Thickness of Plating within line of openings...	40 ✓		Stringer Plate, breadth and thickness.....	59 x 30 ✓	
If Sheathed, material and thickness <i>ABREAST POOP HOUSE.</i>	2" DECK COVERING ✓		Plating, Sheathing, material and thickness ...	24" WITH 2" ASPHALT. APP. 20 ✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness <i>AMIDSHIPS</i>	50 3/4 x 48 ✓	APP. 49 x 48 ✓	Stringer Plate, breadth and thickness.....	42 1/2 x 36 ✓	
			Plating, Sheathing, material and thickness ...	36 ✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.									
FLAT PLATE KEEL .....	52"✓	88"✓	78"✓	78"✓	APP. 78" 1/2 68" AT ENDS 10" OWNER'S INCREASE	double✓	7/8"✓ see letter 19/4/29	3-4"✓	four✓	1✓	4✓	Inside Straps✓	
" DELG. (if any) GARBE	✓	✓	✓	✓	10" OWNER'S INCREASE.	✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. } of Strakes .....4....}	B" STRAKE C & D E	70"✓ 60"✓ 60"✓	76"✓ 66"✓ 50"✓	62"✓ 52"✓ 52"✓		double✓	7/8"✓	3-4"✓	treble✓	7/8"✓	3 1/8"✓	Lapped✓	
BILGE PLATING, No. of } Strakes .....1....}	✓	60"✓	50"✓	52"✓		- do -✓	"✓	"✓	- do -✓	"✓	"✓	"✓	
SIDE PLATING, No. of } Strakes .....4....}	✓	60"✓	46"✓	46"✓		- do -✓	"✓	"✓	- do -✓	"✓	"✓	"✓	
UPPER DECK, Sheer- } strake in Wells AMID}	63"✓	69"✓	46"✓	46"✓		- do -✓	"✓	✓	four✓	7/8"✓	3 1/2"✓	"✓	
UPPER DECK, Sheer- } strake in Bridge ...}	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer- } strake in Wells AMID}	63"✓	65"✓	46"✓	46"✓		double✓	7/8"✓	3-4"✓	four✓	7/8"✓	3 1/2"✓	Lapped✓	
STRAKE BELOW Sheer- } strake in Bridge ...}	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING .....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FORECASTLE SIDE PLATING	✓	✓	42"✓	✓		Single✓	3/4"✓	3"✓	Single✓	3/4"✓	2 5/8"✓	Lapped✓	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

WATERTIGHT BULKHEADS.						FORGINGS and CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
i.e. SHELTER DECK						KEEL, Bar FLAT PLATE KEEL	✓	✓	✓
Extending to Upper Deck (Sec. 3 c)						STEM ROLLED BAR	✓	9 1/2 x 2 3/4	✓
„ Deck next below						STERN FRAME { Propeller Post ... Rudder „ ... }	AS FORGING APP. ✓	HARLAND & WOLFF. ✓	✓
As per Rule						Speed of Vessel .....	15 1/2 KNOTS. ✓		
STIFFENERS.						RUDDER—Type.....			
	Plating Thickness.	VERTICAL.		HORIZONTAL.		ORDINARY STREAMLINED. ✓			
		Scantlings.	Spacing.	Scantlings.	Spacing.				
<b>W.T.B.H. No 25 FORWARD.</b>						„ A x D .....	AREA 160.5 SQ. FT. ✓		
<b>MIDSHIP BULKHEAD</b> Upper tween decks	✓	✓	✓	✓	✓	„ Diam. of head STOCK.	F.S. 12 5/8 ✓	T. FIRTH & BROWN LTD. ✓	
„ „ Second „	26	6 x 3 x 34 OR.	30 ✓	✓	✓	„ Mainpiece at top pintle	F.S. 12 5/8 ✓	H & W LTD. ✓	
„ „ Third „	✓	✓	✓	✓	✓	„ „ heel ...	F.S. 9 1/2 ✓	H & W LTD. ✓	
„ „ Holds .....	30 40	CHANNELS 9 x 3 x 38 1/4	30 ✓			„ how constructed .....	F.S. frame with side plates E.W. ✓		
<b>COLLISION</b> „ (in Hold) .....	35 50	5 1/2 x 3 x 32 OR. 7 x 3 x 46 OR.	24 ✓			„ double or single plate	Double ✓		
<b>AFTER PEAK</b> „ { UPPER	30 32	6 x 3 x 40 OR.	21 & 24 ✓			„ coupling, vertical or horizontal.....	Vertical. ✓		
	42	CENTRE GIRDER --- 8 x 3 1/2 x 40							

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth Steel.*  
*Bolwilles Ltd, Glasgow; The Lanarkshire Steel Co, Motherwell; The Steel Company of Scotland; Bonsett Iron Co; Stewart & Lloyds Ltd; The Rivet Bolt & Nut Co. Ltd, Smith & McLean Ltd, Glasgow.*  
 Has the Steel been tested as required by the Rules? *yes.*



EQUIPMENT No/43200												LETTER bt ✓	ANCHORS.		
Number of Certificate.	Anchors.	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.			
98781	1st Bower ...	69	3	21				53	15	0	0	19 1/2	Stockless Hall's latest Improved Type C.C.S.	N. Hingley & Sons Ltd	Netherton 26.2.40
98782	2nd „ ...	69	3	0				53	12	2	0	19 1/2	HEAD; SHANK forged open Wrot Ingot Steel	- do -	J. A. Relf.
98780	3rd „ ...	69	1	14				53	10	0	0	62	SHACKLES forged W. Iron.)	- do -	- do -
	Collective weight.	209	0	7								207. ✓			
98817	Stream .....	21	0	21	5	1	14	21	16	1	0	20 1/2	TROTSMAN'S (FORGED WROT IRON).	- do -	- do - 16.3.40.

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.	Statio- ing.	Break- ing.	Supplied.	Per Rule.			Length. Diam.					Length. Cir.	Tons.	Length. Cir.				
	Fathoms. Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.			Fathoms. Ins.					Fathoms. Ins.						
112433	240 2 1/6	107 1/2	149 3/10	553-3-0	510-0-0			300 2 5/16	TAYCO STUQ LINK	S. TAYLOR & SONS (BRIERLEY HILL) LTD;	Netherton 13.5.40 J. A. Relf.	TOWLINE..	130 5	70.9	130 5				
	60 fms short				EQUIVALENT 240 @ 2 1/6							HAWSERS & WARPS	4 @ 100 2 3/4	22.0	100 2 3/4				
													4 @ 100 3	26.2					
Stream	126 5"		70.9					120 5"	S.F.S.W.R. 4 1/2" S.S. W.R. 4 1/2" SHEFFIELD	Wm. BOOKE & CO. makers verified. 18th October 1939.									

Steering Gear, Type (Power or hand) Electric Hydraulic (J. Hastie) Alternative Means of Steering Motor duplicated, with hand Control in Steering Compartment

Steering Chains (Size and Test) NIL (Telemotor control) Windlass Electric (Clarke Chapman) Boats 2 @ 24'-0" & 2 @ 22'-0"

Ceiling in Holds, thickness and material 2 1/2" H.P. in way of Hatch openings Cargo Battens, thickness, material and spacing 6" x 2" H.P. spaces 7"

Cargo Hatchways. (Upper Deck) Steel plates and Angles. Thickness of Hatches Nº 2 1/2" steel Hatches, Mc Gregor type .34" Nº 1 steel Hatch .28" of Builders design.

Size of Hatchways No. 1 (Fwd.) 20'-3" x 18'-0" No. 2 38'-9" x 20'-0" No. 3 20'-8" x 20'-0" No. 4 31'-0" x 20'-0" No. 5 28'-5" x 18'-0" No. 6 ✓

Number of Shifting Beams and/or Fore and Afters Steel bovers suitably stiffened FOR HARLAND AND WOLFF, LIMITED.

Builder's Signature A. J. Marshall. Secretary.

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 Motorship

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

Oil is carried in wing deep oil fuel bunkers at the after end of Machinery space port and starboard sides; and in double bottom tanks in way of Nº 2, 3 & 4 Holds and partly in way of Machinery space. Deep tanks are fitted in Nº 1 Hold approved for Oil fuel, flash point not lower than 150° F. to be used for cargo, water ballast or Edible Oil. The after tanks fitted at sides of Tunnel, port and starboard, are for the carriage of cargo Oil. The vessel has been built in accordance with the approved plans, the Secretary's letters, and in general conformity with the rules for the class contemplated. The materials & workmanship are good. All double bottom tanks including cofferdams (in way of same), fore and after peak tanks, Oil fuel bunkers, Forward deep tanks, and Edible oil and Fresh water tanks at sides of tunnel p.s have been water tested to Rule requirements and found satisfactory. Weather decks, W.T. Bulkheads, flats, tunnels, sidelights, and all steel Hatch covers have been satisfactorily hose tested. Steering gear, Windlass, anchors, Bilge pumping arrangements, W.T. Door into tunnel space have been tried under working conditions and found in order. Freeboards have been assigned, marked on vessel's sides, verified, cut in, and certificate and copies issued.

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

Special Survey Fee.... £ 335 : 9 : 6 Received by me, 15.4.1941

FREEBOARD 16 0 0

Travelling Expenses, if any £ : : 19

I am of opinion the Vessel should be Classed \* 100 A1 with freeboard.

State whether the Vessel has been built under Special Survey yes Signature A. S. Fleischer.

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Belfast Date of issue 25/4/41

Committee's Minute TUE. 22 APR 1941

Character assigned + 100 A1

With freeboard

Carrying Cargo oil at 7.1 above 150°F in forward deep tanks & tanks at sides of tunnel + double 4.41

Lloyd's arch. E.S.D.

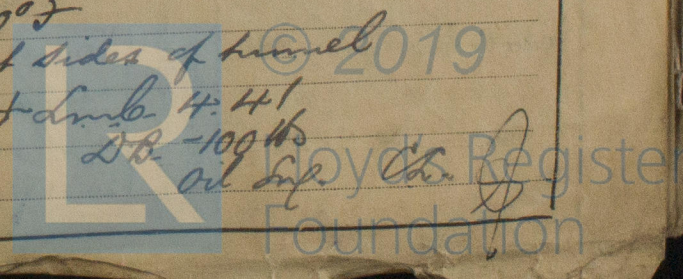
note for S.R. OK.

Write G.R. Note: B.C.

Oil Inf.

The Surveyor are requested not to write on or below the Committee's Minutes.

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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.)

Scuppers in second deck i.e. draining shelter tween decks are led to the Hold Bilges. Steel Bulkheads with Tonnage openings are fitted in the shelter tween decks vertically over the H.T. Bulkheads below. In accordance with the requirements of Freeboard Assignment the tonnage openings to these bulkheads are closed by steel plates and hook bolts, fitted substantially watertight with suitable jointing material. The hook bolts being spaced about 13" apart and plates rose tested in position. With reference to Secretary's letter 19<sup>th</sup> April 1939 it is pointed out that butts of decks (excepting crowns in way of Deep and Bunker Tanks) are riveted.

This vessel has been built as a sister ship of the S.S. "PAMPAS" Belfast Report No 12869, but the Tonnage opening has been closed in accordance with Circular 1777 and M.O.S. memorandum M3387/41.

The following forging reports are enclosed:- Tiller - Glasgow report No 9198; Rudder - Sheffield report No 33081 (this report also includes those for sister vessels S.S. "POTARO" Bel. Rpt 12809 same builder yard No 1026 and S.S. "PAMPAS" Bel. Rpt 12869 same builder yard No 1027).

Plans of the vessel were enclosed with sister vessel "PARDO" Bel. Rpt No 12723 and are retained in this office for reference in dealing with sister ships No 1148 & 1152. An Interim Certificate, without subject has been issued

PARTICULARS OF ELECTRIC WELDING (if employed) Boundary bulkhead, Tank tops and connections of Oil fuel Bunkers; Deep Tanks forward; Tunnel side Cargo Oil and Fresh water Tanks pos. Deck Girders to decks. Deck stringers to shell (except exposed decks). No 1 & 7 double bottom tank top carried out to shell and welded thereto, the side frames being carried through tank top and tank made watertight in way by means of welded clocks. Electric welding employed extensively throughout vessel in attachment of bulkhead stiffeners, brackets, Tunnel side stiffeners and in minor non-strength details, also extensively used in the built forged steel stern frame.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Cruiser Stern, E.S.D. D.F. Oil Eng. "carrying cargo oil, F.P. above 150°F in forward deep tanks and tanks at sides of tunnel."

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 43-0-12 J.D. 2495. 23:12:39 weight including pins & blocks 44-1-8.
	2nd " 42-3-6 J.D. 2497 23:12:39 -do- -do- 44-0-2.
	3rd " 42-1-14 J.D. 2509 29:12:39 -do- -do- 45-2-10.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 41 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓  
Official No. 168085 Signal Letters B.C.G.W. Extreme Breadth ~~over all~~ 61'-4" Over-all Length 450'-3"  
No. and Material of Decks One deck (steel) and shelter deck (steel), 3<sup>rd</sup> Deck (steel) except in way of No 5 Hold.  
Parts of Bottom of Vessel coated with cement or approved composition No 1 & 3 Tanks butts & seams cement fillets & cement washed; No 2, 3, 5 & 6 Tanks Oil fuel or water Ballast - cement fillets only; No 4 & 7 Tanks, fresh water - inside strakes flushed up with Bitumastic and remainder of tank coated with Bitumastic Enamel. Fore and after Peak tanks - pockets cemented and remainder of tank coated with "Bitugrease" Tunnel side Fresh water tanks coated with Bitumastic and Cargo Oil tanks coated with bottom seed Oil.

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,	126.58	367	Fore peak tank,	22.0	47
Double bottom, under Engines and Boilers,			After peak tank,	24.0	206
Double bottom, if under Engines only, LUB. OIL TANK 44 TONS NOT INCLUDED.	54.25	316	Deep tank, aft, FRS 54/65 pzs EDIBLE OIL or WAT. BALLAST.	28.42	160
Double bottom, if under Boilers only,			Deep tank, forward, CARGO OIL or WATER BALLAST.	56.25	760
Double bottom, forward,	187.0	647	Other tanks, if fitted, FRS 49/53 pzs TUNNEL SIDE F.W. ONLY.	10.33	92
Total length (if continuous) and Capacity	367.83	1330	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 881	1939 July 4 Aug 3.8.16 24.28 Sept 4.13.19.28 Oct. 19.19.26.27.31 Nov. 6.17.24.30 Dec. 15.19
Date 30.5.39.	1940 Jan 15.22.24.30 Feb 8.14.16.20.22.27.29 Mar 1.7.11.15.18.20.22.27 Apr 5.10.17.19.26
	May 9.14.22 June 3.7.21.26 Aug 9 Sept 12.30 Oct 7.29 Nov 7.12.13.14.20.22.26.28.29 Dec 2
	3.4.5.6.9.11.13.17.19.23.24.31 1941 Jan 1.2.3.6.7.9.11.14.24.29.30 Feb 3.5.6.7.10.11.15.14.17.18.19
	20.21.22.24.25.27.28 Mar 3.4.5.7.8.12.20.21.26.28 Apr 1.2.3
	Total No. of Visits 121