

State if Report is sent on the Machinery of the Vessel.....YES

Survey held at PORT GLASGOW. Date First Survey 5<sup>TH</sup> OCTOBER. 1936 Last Survey 21<sup>ST</sup> OCTOBER. 1934

On the <sup>(State if Machinery fitted Aft and if Single, Twin or Triple Screw)</sup> SINGLE SCREW STEAMER "IRON KNIGHT" (MACHINERY AFT.)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING State Type of Erections FORECASTLE ON UPPER DECK

CLASS  $\clubsuit$  100 A1. ☒ State if with freeboard) YES. ☒

Built at PORT GLASGOW.

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

Length from fore part of stem to after part of stern } L 400.0 ✓  
 post on summer L.W.L. See Sec. 3 (1a) }

Launched 26<sup>TH</sup>. AUGUST, 1937. Yard No. 902

**Total**

**Breadth** (*greatest moulded*) ..... B 56.0

Builders LITHGOWS LTD

Gross Tonnage 4811.71.

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... (D 34' 25 (MID. DEPTH 34' 5)

Owners THE BROKEN HILL PROPRIETARY CO. LTD.

Register Tonnage 2737.30

1st Longitudinal Number (L x D).....= 13,700

Managers ✓

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

**REGISTERED DIMENSIONS.**

**Framing Depth "d,"** at middle of length. See } **22.25.**  
 Sec. 3 (1d) .....

422, LITTLE COLLINS ST.,  
Residence MELBOURNE, VICTORIA.

Length 404.5.

**Proportions**—Depth to Length—Uppermost con- } 11.59.

Port of Registry **MELBOURNE.**

Breadth 56.2.

tinuous deck to top of keel ..... }  
Do. Long Bridge to top }  
of keel }

*If surveyed while building, afloat, or in dry dock*

Depth 23.2.

**Draught Moulded** ..... 23'-7"

BUILDING, AFLOAT & IN DRY DOCK.

## 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>	27"	✓	<b>Bracket Floors, Frame .....</b>	✓	
" " from $\frac{3}{8}$ length DEEP TANK bulkhead.....)	27"	✓	" " Reversed Frame .....	✓	
" " in peaks & FORD DEEP TANK.	24"	✓	" " Vertical Struts .....	✓	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	48" x 50"	✓
<b>Frame Amidships,</b> <del>size, etc.</del> [ ]	9' x 3½' x 44'	✓	" " top Angles .....	3½' x 3½' x 50"	✓
" " Extends up to BOTTOM OF SIDE BALLAST TANKS.	✓	✓	" " bottom Angles .....	4' x 4' x 54"	✓
<b>Reversed Frame Amidships, Angle .....</b>	✓		<b>Side Girders, No. each side and thickness .....</b>	ONE 38"	✓
" " Extends up to... ✓	✓		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	45" x 48"	✓
<b>Depth of Framing Girder.....</b>	✓		" " Vertical Angle to Tank side Bracket about 1 len. from stem IN WAY OF TRANS. & NO. 1 HOLD	6' x 6' x 40"	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or [ ] .....</b>	LONGIT. FRAMING TRANS. WITH (SEE RPT. 1") (ATTACHED) ✓	✓	" " Vertical Angle to Tank side Bracket forward 1 len. from stem IN WAY OF INTER. FRG.	3½' x 3½' x 40"	✓
" " Second 'tween Decks, Angle, [ or [ ] .....	✓		" " Gussets, spacing and scantling about 1 len. from stem NO. 1 HOLD - TANK TOP CARRIED OUT & GUSSET EVERY FR.	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1 len. from stem NO. 2 & 3 HOLDS - TANK TOP CARRIED OUT OVER WING BAYS.	✓	
<b>Framing in Peaks, <del>size, etc.</del> [ ] .....</b>	8' x 3' x 35"	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	6' 3" x 40"	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....</b>	7/8" - 5/4 c.b.c.	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled .....</b>	YES.	✓	Breadth and thickness of Middle Line Strake ...	95" x 48"	✓
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars )</b>	DEEP FRG., 2 SIDE STRINGERS IN HOLDS 4 SIDE STRS. IN DEEP TANK & F.P. TANK INCREASED RIVETING & AS APPROVED.	✓	Thickness of remainder in Holds .....	40"	✓
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars .....</b>	INCREASED SHELL & RIVETING. SINGLE FRG. D.R. VERTICAL BRG. & BKTS. ON FLOORS & LONGIT. LONGIT. LS. CLOSED TO 24."	✓	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? .....	YES.	✓
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds .....</b>			<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or [ ] .....</b>		
Height of Brackets at side above base line at toe of frame .....			" " in way of Bridge, Angle, [ or [ ] .....		
<b>Middle Line Keelson, on Floors, Angles, [ or [ ] .....</b>			Spacing .....		
" " Through Plate or Intercoastal Plate .....			<b>Second Deck, amidships, Angle, [ or [ ] .....</b>		
" " Foundation Plate on Floors .....			Spacing .....		
" " Flat Plate Keel Angles .....			<b>Third Deck, amidships, Angle, [ or [ ] .....</b>		
<b>Side Keelsons, No. each side .....</b>			Spacing .....		
" " thickness of Intercoastal Plate .....			<b>Fourth Deck, amidships, Angle, [ or [ ] .....</b>		
" " Angles .....			Spacing .....		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or [ ] .....</b>		
<b>Solid Floors, thickness and spacing .....</b>	38" @ 4½" SPACING.	✓	Spacing .....		
" " Are Frame and Reversed Frame joggled? .....	YES.	✓	<b>Bridge Deck, Angle, [ or [ ] .....</b>		
<b>Bracket Floors, breadth and thickness at middle line.....</b>	NONE.	✓	Spacing .....		
" " breadth and thickness at margin plate.....	38" AT MARGIN IN WAY OF INTERMED. FRG.	✓	<b>Forecastle Deck, <del>known as</del> [ ] .....</b>	8' x 3' x 35"	✓
			Spacing .....	24"	✓

SEE PARTICULARS OF LONGITUDINALS ON ATTACHED RPT. 1<sup>st</sup>. ATTACHED.

Lloyd's Rec



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>	No PILLARS.	✓	Stringer Plate, breadth and thickness in way of Bridge .....	✓	
" in 'tween Decks, Size and Spacing ....	3" DIA. P&S. IN WAY OF MASTS, 1 1/2" DIA. P&S. AT NO. 6 HATCH & AS PER APP. PLAN.	✓	Thickness of Plating abreast Deck openings in way of Wells .....	40"	✓
" " " " "	SIDE BALLAST TANKS ATTACHED TO 2ND DECK.	✓	Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
" in Holds " "	TANDEM ARCH BEAMS, FOR AFTS. TO SHDS. & AS PER APPD. PLAN.	✓	Thickness of Plating within line of openings...	34"	✓
" " " " "		✓	If Sheathed, material and thickness .....	5"x2 1/2" BURNED CEDAR AFT IN RECOMM.	✓
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	NONE.		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	NONE.		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	63"x70"	✓	If Plated, state thickness .....	✓	
" " " " , in way of Bridge	✓		<b>Poop Deck.</b>		
" Angle in Wells .....	6"x6"x70"	✓	Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings } in way of Wells .....	64"	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings } in way of Bridge .....	✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	40"	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	5"x2 1/2" TEAK IN WAY OF RECM. AT STEERN.	✓	Plating, Sheathing, material and thickness ..	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	50 1/2" x 40"	✓	Stringer Plate, breadth and thickness.....	36"	✓
			Plating, Sheathing, material and thickness ..	34" NO SHEATHING.	✓

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	No.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					SINGLE OR DOUBLE.	RIVETS.		Diam.
	Inches.	Inches.	Inches.	Inches.								
FLAT PLATE KEEL .....	50	.72 ✓	.64	.64		DOUBLE.	7/8	3 3/8	4R To 3R	7/8	3 1/2 & 3/8	LAPPED.
" DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes <u>Four</u> ....		.53 ✓	.46	.46	FORD. of 1/2 L. BOTTOM SHELL .71" To COLL. BND. ✓	DOUBLE	7/8	3 3/8	3R	7/8	3/8	LAPPED.
BILGE PLATING, No. of Strakes <u>Two</u> ....		.54 ✓	.48	.47		"	7/8	3 3/8	3R.	7/8	3/8	"
SIDE PLATING, No. of Strakes <u>Four</u> ....		2@ .54 ✓	.46	.57		{ 3 STRAKES.	7/8	3 3/8	} 3R	7/8	3/8	"
		2@ .53 ✓	.47	.47		" 1 STRAKE.	7/8	3 1/2				
UPPER DECK, Sheer-strake <u>in Wells</u> .....	64 1/2	.70 ✓	.42	.42					4R To 3R	7/8	3 1/2 & 3/8	"
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer-strake <u>in Wells</u> .....	68	.60 ✓	.42	.42		DOUBLE	7/8	3 1/2	3R	7/8	3/8	LAPPED.
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		NOTE:- CLOSE SPACED RIVETING			IN 3 SEAMS OF SIDE SHELL IN F&A BODIES.			
POOP SIDE PLATING .....	✓	✓	✓	✓								
BRIDGE SIDE PLATING ...	✓	✓	✓	✓								
ORC'TLE SIDE PLATING	✓	✓	.42 ✓	✓		SINGLE.	7/8	3 3/4 ✓	1R	7/8	3 1/8	LAPPED.

Extending to Upper Deck (Sec. 3 c)	1.	✓
„ Deck next below	6.	✓
As per Rule	6.	✓

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD,</b>	Upper tween decks					
"	" Second "					
"	" Third "					
"	" Holds 34D. 107	40" To ✓ " 26 ✓	11" x 3 1/2" x 52" To ✓ 8" x 3" x 42" E ✓	3'-0" ✓ 2'-2" ✓		
<b>COLLISION</b>	" DEEP TANK. (in Hold) .....	47" To ✓ " 20 ✓	11" x 3 1/2" x 51" To ✓ 9" x 3 1/2" x 43" E ✓	2'-0" ✓	2 SEMI-Box BEAMS.	✓
<b>AFTER PEAK</b>	" .....	41" To ✓ " 30 ✓	10" x 3 1/2" x 40" E WITH ✓ 3 1/2" x 3" x 40" REV. BEAMS ✓ To 6" x 3" x 32" B.B. ✓	2'-8" ✓ 2'-4" ✓	GENERATOR FLAT ON FORE SIDE.	✓

	Casting or Forging.	Scanlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		<b>FLAT PLATE KEEL.</b>		
<b>STEM</b> .....	ROLLED.	9" x 2 5/8"	✓	
<b>STERN FRAME</b> { Propeller Post .....	STEEL CASTING	STREAM LINED PL.	THE STEEL COY. OF SCOTLAND.	
{ Rudder .....	-DO-	PER APPR. PLAN.		
<b>Speed of Vessel</b> ... 11 1/2 KNOTS. ✓				
<b>RUDDER—Type</b> .....		<b>DOUBLE PLATE STREAM LINED.</b> ✓		
" A x D ... 67 1/2. ✓				
" Diam. of head .....	FORGING	1 1/2" DIA. ✓	DUNKINSTOWN FARGE CO.	
" Mainpiece at top pintle .....	STEEL CASTING.	12" x 10 7/8" ✓	THE STEEL COY. OF SCOTLAND	
" " heel ...	-DO-	6 1/2" x 10 7/8"		
" how constructed .....		COMPLETE CAST STEEL FRAME.		
" double or single plate .....		42" ✓		
" coupling, vertical or horizontal .....		HORIZONTAL ✓		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)  
COLVILLES LTD. & THE STEEL COY. OF SCOTLAND LTD.

Has the Steel been tested as required by the Rules? YES. ✓

OPEN HEARTH



# S. S. "IRON KNIGHT" (LITHGOWS LTD. YARD No. 902). PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spacing.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Number.			Diameter.		
Framing of <del>the</del> L. <del>or</del> <del>the</del> .....																		
<del>Frames in Bridge 'tween Decks...</del>																		
Frames from Uppermost Continuous Deck TWEEN DK. { No. 1 " 2 " 3 SIDE BALLAST TANKS. { " 4 " 5 " 6 " 7 " 8 " 9 " 10 " 11 " 12 " 13 " 14 " 15 " 16		7" x 3 1/2" x 38"			7" x 3 1/2" x 38"			7" x 3 1/2" x 38"			7" x 3 1/2" x 38"			7/8" 5/4"	5/4"	7	7/8"	
		-Do-			-Do-			-Do-			-Do-			-Do-	5/4"	7	7/8"	
		-Do- BHD. 51			-Do-			-Do-			-Do-			7/8" 4 3/8"	4 3/8"	7	7/8"	
		-Do- T <sub>0</sub>			-Do-			-Do-			-Do-							
		-Do- BHD. 162			-Do-			-Do-			-Do-							
																	</	



EQUIPMENT No. 37055 ✓										LETTER "Z" ✓	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
24895	1st Bower ...	64	2	0	STOCKLESS.			50	15	0	63 3/4	NOT STATED.	LOW WALKER, 20-5-37, A. GREEN.
37142.	2nd „ ...	64	0	14	"			50	12	2	63 3/4	-Do- -Do-	SUNDERLAND, 10-5-37, J.H. BUTLER.
24896	3rd „ ...	54	3	14	"			45	5	3	54 1/2	-Do- -Do-	LOW WALKER, 20-5-37, A. GREEN.
	Collective weight.	183	2	0							182 ✓		
96242.	Stream .....	17	2	7	4	1	0	18	14	1	17 1/2	ORDY FORGED WROT. IRON.	TAYLOR & SONS, LTD. NETHERTON, 8-5-37, J.A. RELF.

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- 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.	Cir.	
88591.	270.	1 15/16 ✓	94 5/10 ✓	132 3/10 ✓	544-2-B.				270	2 3/16 ✓	STUD LINK "TAYCO"	S. TAYLOR & SONS, LTD.	NETHERTON, 18-6-37, J. A. RELF.	TOWLINE...	120	5 ✓	52.8 ✓	120	5
														HAWSERS & WARPS	2090	2 3/4 ✓	15.2 ✓	2090	2 3/4
														"	2090	2 3/4 ✓	15.2 ✓	2090	2 1/2
from Stream Chain or Steel Wire	90	4 3/4 ✓		47 ✓					90	4 3/4 ✓				"	2090	2 3/4 ✓	EXTRA WIRES.		
														"	2090	3 ✓			

STEERING GEAR, STEAM ELECTRO-HYDRAULIC (4 RAMS GEAR) BY BROWN BROS., EDINBURGH. STEERING GEAR, HAND NONE.

Boats 2 @ 27.8 FT. & 1-18 FT. CUTTER. Steering Chains, Size and Test STEERING ENGINE APT, TELEMOTE CONTROL Windlass (STEAM) CLARKE, CHAPMAN & CO. LTD.

Ceiling in Holds, thickness and material 2 1/2" ELM ON TANK TOP. DOUBLE CEILING (ELM) OVER BILGES. Cargo Battens, thickness, material and spacing NONE FITTED.

Cargo Hatchways. (Upper Deck) COAM 36" HIGH, WITH "NEILSON" PATENT ROLLING WEBS Thickness of Hatches 2 1/2" W.P.

Size of No. 1 Hatchway (Forward) 36'-0" x 28'-0" No. 2 36'-0" x 28'-0" No. 3 36'-0" x 28'-0" No. 4 30'-0" x 28'-0" No. 5 15'-0" x 28'-0" COAL HATCH P&S 17'-8 1/2" x 3'-6"

Number of Shifting Beams and/or Fore and Afters No. 1-5; No. 2-5; No. 3-5; No. 4-4; No. 5-5 FITTED F&A.

Builder's Signature

*For LITHGOWS LIMITED*

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 NO.

(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.

This Vessel has been built in accordance with the approved plans and in general conformity with the Society's Rules for the class contemplated.

The materials and workmanship are of good quality.

All the Double Bottom Tanks, Deep Tank forward, Side Ballast Tanks, port starboard fore and after Peak Tanks have been tested as required by the Rules and found satisfactory.

The Weather Decks and Watertight Bulkheads have been hose tested and found satisfactory.

The Freeboard Markings have been verified and cut in on the vessel's sides.

The vessel has been specially designed for the carriage of Iron Ore. Side Ballast Tanks have been built on the Port and Starboard sides under 2nd Deck, 249'-9" in length, each side of ship.

Interim Certificate issued (copy attached).

The amount of Entry Fee ..... £ 8 : 0 : 0 Fees applied for, 25th OCT. 1934

Special Survey Fee .... £ 3/5 : 12 : 0 Received by me, 30.10.37

FREEBOARD 15 0 0

Travelling Expenses, if any £ : : 19

(Special notations, where part of class, to be stated.)

WE ARE of opinion the Vessel should be Classed 100A1 WITH FREEBOARD LONGITUDINAL FRAMING AT BOTTOM, DECKS AND IN CANTILEVER SIDE TANKS.

State whether the Vessel has been built under Special Survey YES.

Signature Kenneth Inglis & R. M. Scott. Surveyors to Lloyd's Register of Shipping.

DUPLICATE Certificate to be sent to GREENOCK via Glasgow Date of issue 8/11/37

Committee's Minute GLASGOW 26 OCT 1937

Character assigned -/- 100A1 With freeboard, 10.37.

Lloyd's Assoc. Cargo battens not fitted.

+ L.M.C. 10.37. F.D. Exhaust turbine. Driving steam compressor.



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

This vessel is a sister ship to S.S. "IRON CHIEFTAIN" (now building, Highways Yard No. 903). Plans of Vessel as built (i.e. Profile and Deck and Midship Section), approved plans and casting and forging Reports are forwarded as detailed on attached sheet.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book  
CARGO BATTENS NOT FITTED. ✓  
LONGITUDINAL FRAMING AT BOTTOM, DECK AND IN CANTILEVER SIDE TANKS.  
OVERALL LENGTH - 419.0 FT ✓

Particulars of Drop Test of Cast Steel Anchor, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.  
1st Bower (INCLUDING PINS.) 40 - 3 - 7; J.F.R.; No. 2276; 2-4-37.  
2nd " ( " " ) 41 - 0 - 14; J.F.R.; No. 2280; 2-4-37.  
3rd " ( " " ) 36 - 1 - 14; W.H.; No. 6352; 12-2-37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.5 ft. ON SHELTER DECK.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated  
No. and Material of Decks 1 DK. AND SHELTER DECK. Over-all Length 419.0 FT. ✓  
Official No. : Signal Letters  
particulars of composition REMAINDER OF BOTTOM CEMENT WASHED. Is bottom of vessel coated with cement IN TANK UNDER BOILERS ✓ if not give PATENT COMPOSITION. CEMENT IN FORE & AFTER PEAKS. BILGES COATED WITH

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,	87.75 ✓	289 ✓	After peak tank,		181.
Double bottom, if under Engines only,			Deep tank, aft,		93
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	249.75 ✓	1105 ✓	Other tanks, if fitted, SIDE BALLAST TANKS, PORT & STARBOARD.	14.0	310
	337.5	1394.	(If necessary, furnish further information by sketch.)	249.75 ✓	1042.

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 3400.

Date 2<sup>nd</sup> OCTOBER 1936

Dates of Surveys held while building

(1934) OCT. 5. 4. 15. 19. 26. 28. NOV. 3. 5. 9. 11. 12. 14. 19. 20. 25. DEC. 1. 3. 4. 10. 15. 14. 18. 21. 24. 29. (1937) JAN. 6. 8. 12. 14. 15. 18. 19. 20. 21. 22. 25. 26. 27. 28. 29. FEB. 3. 5. 8. 9. 10. 12. 15. 16. 14. 18. 19. 22. 23. 25. MAR. 1. 2. 5. 9. 16. 14. 18. 19. 25. 29. 30. 31. APRIL 1. 6. 4. 8. 9. 13. 15. 16. 20. 21. 22. 23. 26. 28. 29. 30. MAY 4. 6. 7. 11. 14. 18. 20. 24. 28. 31. JUNE 1. 2. 3. 4. 8. 10. 11. 14. 15. 14. 23. 24. 25. 24. 29. JULY 8. 12. 13. 14. 16. 19. 20. 21. 22. 23. 26. 28. 29. AUGUST 2. 3. 4. 6. 9. 11. 16. 18. 23. 24. 25. 26. SEPTEMBER 8. 23. OCTOBER 6. 18. 19. 20. 21.

Total No. of Visits 130