

STEEL STEAMER ~~or MOTORSHIP.~~

Received at London Office 27 MAY 1925

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 20th May, 1925.Port of GREENOCKNo. 18390Survey held at PORT - GLASGOWDate First Survey 23rd June, 1924.Last Survey 19th May,

1925

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

SINGLE SCREW "BENICIA"

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

FULL SCANTLINGState Type of Erections POOP, BRIDGE & FO'CLETONNAGE under Tonnage Deck... 4803.85CLASS *100A1

State if with freeboard as condition of Class

No.

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 post on summer L.W.L. See Sec. 3 (1a) L 401.54Launched 24th MARCH 1925 Yard No. 357Total 4803.85Breadth (greatest moulded) B 52.73Builders ROBERT DUNCAN & Co LtdGross Tonnage 5050.04Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 30.0Owners ORIEL SHIPPING COY LTDRegister Tonnage 3188.621st Longitudinal Number (L x D) = 12046.20Managers JOHN EDGAR & Co

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

2nd Numeral L x (B + D) = 33219.40Residence LIVERPOOL

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d) 17.55Length 404.9Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.38Port of Registry LIVERPOOLBreadth 53.0Do. Long Bridge to top of keel 10.73

If surveyed while building, afloat, & in dry dock

Depth 27.65Draught Moulded 24' - 1 1/2"YES

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.
FRAMES, Spacing amidships	28"			/	Bracket Floors, Frame	BULB ANGLE	8 1/2	3 1/2	'44
" " from 1/2 length to Collision bulkhead	27"			/	" " Reversed Frame	D°	8	3	'44
" " in peaks	24"			/	" " Vertical Struts	D°	8	3	'44
SIDE FRAMING.					Centre Girder, depth and thickness amidships		4 1/2		'53
Frame Amidships, Angle, E or F	10 1/2	3 1/2	'44	/	" " top Angles	DOUBLE	3 1/2	3 1/2	'50
" " Extends up to	2nd DECK			/	" " bottom Angles	D°	4	4	'56
Reversed Frame Amidships, Angle					Side Girders, No. each side and thickness		1	2	'40
" " Extends up to					Margin Plate depth (excl. of flange) and thickness		3 1/2		'50
Depth of Framing Girder					" " Vertical Angle to Tank side		6	6	'44
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	7	3 1/2	'38	/	" " Bracket abaft 1/4 len. from stem		6	6	'44
" " Second 'tween Decks, Angle, E or F					" " Vertical Angle to Tank side		6	6	'44
" " Third " " " "					" " Bracket forward 1/4 len. from stem				
Framing in Peaks, Angle or F	7 1/2	3	'38	/	" " Gussets, spacing and scantling abaft 1/4 len. from stem		No	GUSSETS	
Diameter and Spacing of Rivets through Shell Plating	7/8 DIA 2 6"			/	" " Gussets, spacing and scantling forward 1/4 len. from stem		No	GUSSETS	
State if Frame Joggled	YES			/	Tank Side Brackets, height above base line at toe of Frame and thickness		6'-8"	X '40	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAME SYSTEM WITH 3 SIDE STRINGERS AS PER APPR PLAN.				INNER BOTTOM PLATING.				
STRENGTHENING OF BOTTOM FOR WARD. State Particulars	DOUBLE FRAMES & EXTRA INTER GIRDERS FOR 1/8" LENGTH AS APPROVED.				Breadth and thickness of Middle Line Strake		7 1/2		'48
SINGLE BOTTOM.					Thickness of remainder in Holds				'42
Floors, Depth and thickness at mid-line in Holds					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		
Height of Brackets at side above base line at toe of frame					BEAMS.				
Middle Line Keelson, on Floors, Angles, E or F					Uppermost Continuous Deck, amidships in Wells, Angle, E or F		6	3 1/2	'44
" " Through Plate or Intercoastal Plate					" " in way of Bridge, Angle, E or F		6	3 1/2	'48
" " Foundation Plate on Floors					Spacing		EVERY FRAME		
" " Flat Plate Keel Angles					Second Deck, amidships, Angle, E or F		6 1/2	3	'48
Side Keelsons, No. each side					Spacing		EVERY FRAME		
" " thickness of Intercoastal Plate					Third Deck, amidships, Angle, E or F				
" " Angles					Spacing				
DOUBLE BOTTOM.					Fourth Deck, amidships, Angle, E or F				
Solid Floors, thickness and spacing	40	EVERY 3rd FRAME			Spacing				
" " Are Frame and Reversed Frame joggled?	YES				Poop Deck, Angle, E or F		6 1/2	3	'36
Bracket Floors, breadth and thickness at middle line	42"	X	'40		Spacing		EVERY FRAME		
" " breadth and thickness at margin plate	42"	X	'40		Bridge Deck, Angle, E or F		6	3	'39
					Spacing		EVERY FRAME		
					Forecastle Deck, Angle, E or F		8 1/2	3	'48
					Spacing		ALTS FRAMES		

PILLARS AND DECKS.

INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		
PILLARS, No. of Rows.....	✓	TREE			
„ in 'tween Decks, Size and Spacing.....	✓	WIDE SPACED QUARTER PILLARS AND			
„ „ „ „ „	✓	DEEP GIRDERS IN HOLDS AND TWEEN			
„ in Holds	✓	DECKS AS PER APPROVED PLAN.			
PILLARS ON C ^o LINE IN POOP.	✓	2 3/4" DIA ^s . ALT FRAMES.			
„ „ „ „ BRIDGE	✓	2 3/8" „ „			
„ „ „ „ FORECASTLE	✓	2 3/8" „ „			
Centre Line PILLARS (HOLD)					
SIZE		3 5/8" DIA ^s TO 6 5/8" DIA ^s			
Stiffeners and Spacing.....					
Plating, thickness of		ON ALT FR ^s AS APP ^d			
D ^o (TWEEN DECKS)		2 3/8" DIA ^s TO 3" DIA ^s			
		ON ALT FRAMES AS APP ^d			
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	56	x	92		
„ „ „ „ in way of Bridge	56	x	40		
„ Angle in Wells	7	7	80		
Thickness of Plating abreast Deck openings)			66		
in way of Wells					
Thickness of Plating abreast Deck openings)			35		
in way of Bridge					
If Sheathed, material and thickness	NIL				
Second Deck.					
Stringer Plate, breadth and thickness in Wells...	68		40		
Stringer Plate, breadth and thickness in way of Bridge	68		36		
Thickness of Plating abreast Deck openings)			36		
in way of Wells					
Thickness of Plating abreast Deck openings)			32		
in way of Bridge					
If Sheathed, material and thickness	NIL				
Third Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness				30	
Plating, Sheathing , material and thickness	STEEL DECK			30	
Bridge Deck.					
Stringer Plate, breadth and thickness	56			48	
Plating, Sheathing , material and thickness				36	
Forecastle Deck.					
Stringer Plate, breadth and thickness	34			34	
Plating, Sheathing, material and thickness				30	
				WITH 2 1/2" P.P. DECK.	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <u>ORDINARY.</u>			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	49	.80 ✓	.70 ✓	.70 ✓		DOUBLE	1	4"0	4R TO 3R	1	4"0	LAPPED
" DECK (if any)												
BOTTOM PLATING, No. } of Strakes <u>FOUR</u> }		.60 ✓	.60 ✓	.48 ✓		"	7/8	3 1/2"	3R	7/8	3 1/8"	"
BILGE PLATING, No. of } Strakes <u>ONE</u> }		.60 ✓	.44 ✓	.44 ✓		"	"	"	"	"	"	"
SIDE PLATING, No. of } Strakes <u>THREE</u> }		.60 ✓	.44 ✓	.44 ✓		"	"	"	"	"	"	"
UPPER DECK, Sheer- } strake in Wells..... }	50	.92 ✓	.44 ✓	.44 ✓		"	1	4"0	5R TO 3R	1	4 1/2"	"
UPPER DECK, Sheer- } strake in Bridge ... }		.60 ✓				"	7/8	3 1/2"	3R	7/8	3 1/8"	"
STRAKE BELOW Sheer- } strake in Wells..... }		.74 ✓	.44 ✓	.44 ✓		"	1	4"0	4R TO 3R	1	4"0	"
STRAKE BELOW Sheer- } strake in Bridge ... }		.60 ✓				"	7/8	3 1/2"	3R	7/8	3 1/8"	"
POOP SIDE PLATING38 ✓		SINGLE	3/4	3"0	1R	3/4	2 5/8"	"
BRIDGE SIDE PLATING ...	76	.58 ✓				DOUBLE	7/8	3 1/2"	3R	7/8	3 1/8"	"
FOREC'TLE SIDE PLATING			.40 ✓			SINGLE	3/4	3"0	1R	3/4	2 5/8"	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 6

Extending to Upper Deck (Sec. 3 c) FIVE

„ Deck next below ONE

As per Rule 6

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		6			
Extending to Upper Deck (Sec. 3 c)		FIVE			
,, Deck next below		ONE			
As per Rule		6			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, ^{HOLDS} FR N ^o 91	"46-30	12x3 1/2x56	30"	✓	✓
" " " N ^o 57	"36-30	12x3 1/2x48	24"	✓	✓
" " " N ^o 70	"38-30	12x3 1/2x50	25 3/4"	✓	✓
" " " N ^o 135	"42-30	12x3 1/2x52	30"	✓	✓
" " TWEEN DECK N ^o 91	"30-28	5x3x42	36"	✓	✓
" " " N ^o 70	"29-28	5x3x42	34x36"	✓	✓
" " " N ^o 135	"28	5x3x39	38 3/4"	✓	✓
" " AFT PEAK	"30	6x3x32	24"	✓	✓
" " ^{HOLDS} FORE PEAK	"28-26	5x3x34	24"	✓	✓
COLLISION					
" (in Hold)	"52-30	7x3x40	24"	2 SEMI BOX BEAMS.	
AFTER PEAK					
" "	"50-30	7 1/2x3x48	24"	1 SEMI BOX BEAM & TUNNEL RECESS.	

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT	PLATE	KEEL.	
STEM	ROLLED STEEL	10" x 2 1/2"	PORTLAND FORGE	9 1/2" x 2 5/8"
STERN FRAME	Propeller Post	CASTING	10 1/2 x 7 3/4"	SKODA WORKS L ^{PO}
	Rudder "	"	9 x 7 3/4"	OF BOHEMIA
RUDDER—A x D....	44 1/2"			
Speed of Vessel UNDER 12 K....				
RUDDER mainpiece at head ...	FORGING	10"	PORTLAND FORGE	
" " " heel ...	"	7 1/2"	COY L ^P	
" " how constructed	BUILT	FORGING.		
" " double or single plate		1-08		
" " coupling, vertical or horizontal		HORIZONTAL.		
STEEL.				
Manufacturer's name or trade mark of the Steel used in the construction of the				
Vessel (state process of manufacture) OPEN HEARTH.				
Vessel (state process of manufacture) GUTTE HOFFMANN & SÜTTIE ; PHOENIX ; D. CALVILLE & SON				
LARKSHIRE STEEL COY L ^{PO} ; W. BEARDMORE & COY ; STEEL COY OF SCOTLAND L ^{PO} ;				
Has the Steel been tested as required by the Rules? YES.				

EQUIPMENT No. 34637										LETTER Y		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.				
28552	1st Bower ...	60	3	0	STOCKLESS	48	15	0	0	60	BYERS IMPROVED	W. L. BYERS & CO. LTD	SUNDERLAND 7.11.24 N. H. LIEBRECHT.		
28559	2nd " ...	60	1	0	"	48	10	0	0	60	D°	D°	SUNDERLAND 10.11.24 N. H. LIEBRECHT.		
28453	3rd " ...	50	3	14	"	42	18	1	21	50½	D°	D°	SUNDERLAND 26.9.24 N. H. LIEBRECHT.		
	Collective weight.	171	3	14	✓	✓	✓	✓	✓	170½					
40216	Stream	16	2	0	4	1	20	17	16	1	0	16¼	ORDINARY	NOT STATED	CRAVELEY HEATH 12.9.24 J. H. 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.	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.	
	270	2 3/16	86 1/8	120 1/2	646	- 2	11	645 3/4	270	2 3/16	STUOLINK.	J. WESTWOOD & SONS	NETHERTON 6.11.24	120	4 3/4	47 0	120	4 3/4	
														2290	2 3/4	15 1/2	2290	2 3/4	
														2290	2 1/2	12 1/2	2290	2 1/2	
	90	4 3/4	47 0						90	4 3/4	GAL ST WIRE								

ring Gear, Steam BY *MACGREGOR ENG. COY. PORT-GLASGOW.* Steering Gear, Hand *RELIEVING TACKLES FITTED & WORKED FROM WINCH ON ROOF.*

ts 2 *LIFEBOATS, 1919 & 1 DINSHY.* Steering Chains, Size and Test *1 1/4 DIA^s ; 24 3/4 TONS.* Windlass *STEAM BY (CLARKE CHAPMAN & COY.*

ing in Holds, thickness and material *2 1/2" N.P. UNDER HATCHES & OVER LIMBERS ONLY.* Cargo Battens, thickness, material and spacing *2" N.P. IN HOLDS & TWEEN DECKS.*

go Hatchways.—(Upper Deck) *STEEL CORNING AND ANGLES.* Thickness of Hatches *2 1/2" SOLID COVERS.*

of No. 1 Hatchway (Forward) *27'-0" x 19'-6"*, No. 2 *30'-4" x 19'-6"*, No. 3 *35'-0" x 19'-6"*, No. 4 *30'-4" x 19'-6"*, No. 5 *14'-0" x 19'-6"*, ~~No. 6~~ *BRIDGE HATCH*

ber of Shifting Beams and/or Fore and Afters *5 WEBS IN NO 1 HATCH; 6 WEBS IN NOS 2 & 4 HATCHES; 7 WEBS IN NO 3 HATCH; 2 WEBS IN BRIDGE HATCH.*

Builder's Signature *Robert Duncan & Co. Ltd*
per Alex Kelly

ERAL DECLARATION *The vessel has been built in accordance with the Approved Plans, in general conformity with the Society's Revised Rules for the class contemplated, workmanship is good & the materials used in the vessel's construction are also good, freeboard has been verified & the marks put in on the vessel's side. double bottom tanks, after Peak Tank, Deep Tank, and Fore Peak have been tested Rule requirements and found satisfactory. weather decks, bulkheads and shaft tunnel were loose tested and found satisfactory. of a letter from the Owner's regarding omission of 'Tween Deck Bulkhead in after d. attached. approved Plans & Fording Reports forwarded herewith; also Plans of Midship Section Profile & Decks (as built). is a sister vessel to "SAINT OSWALD" Grk Rep No 18353, and also "LUCISTON" Grk Rep No 18323*

ount of Entry Fee £ *9 : 0 : 0* } Fees applied for,
21st May, 1925
Special Survey Fee.... £ *326 : 5 : 0* } Received by me,
23rd May, 1925
FREEBOARD.
Travelling Expenses, if any £ *11 : 0 : 0*

I am of opinion the Vessel should be Classed ***100A1**
INTER^s TWEEN D^s BH^s IN AFTER HOLD DISPENSED WITH 5 BH^s TO UPPER D^s, 1 BH^s TO 2nd D^s ONLY.

ate whether the Vessel has been built under Special Survey *YES* Signature *Robert Dunsmit.*

Surveyor to Lloyd's Register of Shipping.

ertificate to be sent to, *(GREENOCK)* No. Date of issue *29.5.25.*

ommittee's Minute *GLASGOW 26 MAY 1925*

haracter assigned *- 100A1.*

5.25

Lloyd's A.T.C.P.
+ L.M.C 5.25
L.D.

Intermediate Tween DK B.H. in after hold
dispensed with - 5 BH to upper DK 1 BH to 2nd DK only

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.)

LIST OF PLANS.

MIDSHIP SECTION
PROFILE & DECKS.
MIDSHIP SECTION (AS BUILT)
PROFILE & DECKS (AS BUILT).
PILLARS & GIRDERS.
DEEP TANK, W.T. BHD'S & SHAFT TUNNEL.
HOLD PILLARS ON FR'S 21 & 153.
HING BRACKET CONNECTIONS TO MARGIN.
HING STIFFENER ATTACHMENTS ON W.T. BHD'S
FORE & AFTER PEAKS AND FORE END STRENGTHENING.
UPPER & 2ND DECKS IN WAY OF BOILER CASING.
BRIDGE END STRENGTHENING.
PUMPING ARRANGEMENT.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN 38 - 2 - 0	SURVEYOR'S INITIALS. K. H.	NO OF CERTIFICATE 3151	DATE OF TEST. 19-9-24
	2nd "	38 - 2 - 0	M. B.	2107	3-10-24
	3rd "	31 - 2 - 21	K. H.	3087	29-8-24

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.75 ft., R.Q.D. ☒ ft., Bridge 119.0 ft., Forecastle 38.7 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

2 DECK (STL)

Official No. 147309; Signal Letters _____ If bottom of Vessel has been coated Inside YES give

particulars of composition PORTLAND CEMENT IN DRY TANK; REMAINDER OF DOUBLE BOTTOMS, CEMENT FILLETS;
BITUMASTIC ENAMEL ON FLOORS IN DRY TANK; ELSEWHERE FLOORS CEMENT WASHED.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	133.0	413	Fore peak tank,		
Double bottom, under Engines and Boilers, (INCLUDING DRY TANK W.T. COMP)	39.7	84	After peak tank,		102
Double bottom, if under Engines only,			Deep tank, aft,	30.33	860
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	145.18	575	Other tanks, if fitted,		
	Total capacity of double bottom	1072	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.
347.88

Order for Special Survey No. 3094

Date 7. 6. 23.

Dates of Surveys held while building

(1924) June 23. July 2. 21. Aug. 6. 19. 21. 26. Sept 1. 5. 10. Oct 3. 10. 17. 22. 31. Nov 3. 11. 13. 18. 20. 21. 24. 25. 28. Dec. 1. 3. 5. 10. 11. 12. 15. 16. 17. 18. 22. 25. 26. 31. (1925) January 6. 14. 16. 19. 29. February 2. 5. 11. 13. March 5. 12. 20. 21. 23. 24. April 29. May 8. 19.

Total No. of Visits 56