

STEEL STEAMER OR MOTORSHIP.

-4 SEP 1945

Received at London Office.

7 SEP 1945

State if Report has been sent on the Freeboard of the Vessel Yes.State if Report is sent on the Machinery of the Vessel Yes.Date of completion of report 30th August 1945. Port of Leith. No. 21466Survey held at Burntisland. Date First Survey 24th November 1944. Last Survey 24th August 1945. 19On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) S.S. "EMPIRE PACIFIC" (Mach. Aft.)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure + Tonnage Opening. State Type of Erections C.S.S. + OPEN FILETONNAGE under Tonnage Deck ... 631.Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total 631.Gross Tonnage 984.Register Tonnage 380.

REGISTERED DIMENSIONS.

FEET

Length 214.85Breadth 36.70Draught 11.60CLASS A-100 A.I. with freeboard. State if with freeboard as condition of Class Yes.Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 210.0Breadth (greatest moulded) 36.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 21.58 4.051st Longitudinal Number (L x D) 4531-82nd Numeral L x (B + D) 12196-8Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.38Proportions—Depth to Length—Uppermost continuous deck to top of keel 9.7Do. Long Bridge to top of keel ✓Draught Moulded 13.95Built at Burntisland.Launched 15th May, 1945. Yard No. 298.Builders The Burntisland S.S. Co. Ltd.Owners Ministry of War TransportManagers Singapore Straits Steamship Co. Ltd.(Where necessary to be entered in Reg. Book) 90 Glen Line Ltd.Residence 20, Billeston St., E.C.3.Port of Registry BURNTISLAND.

If surveyed while building, afloat, or in dry dock

while building + afloat.

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.....	24 ✓		Bracket Floors, Frame	5 3 .30	APPROVED. 5 x 2 1/2 x .30 ✓
" " from 1/2 length amidships to Collision bulkhead.....	24 ✓		" " Reversed Frame.....	5 3 .30	- D.A. -
" " in peaks	24 ✓		" " Vertical Struts	17 1/2 x .32	PLATES EACH SIDE OF SIDE GIRDER. ✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33 x .40	
Frame Amidships, Angle, <u>E</u> or <u>C</u>	6 3 .28	UPPER + 2 ND DECK ALTERNATELY.	" " top Angles	DOUBLE 3 3 .36	
" " Extends up to.....	✓		" " bottom Angles.....	DOUBLE 3 1/2 3 1/2 .40	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness.....	ONE .36	CONTINUOUS.
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	27 x .36	
Depth of Framing Girder.....	6"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 .32	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E</u> or <u>C</u>	6 3 .28		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	5 3 .40	
" " Second 'tween Decks, Angle, <u>E</u> or <u>C</u>	48" APART.		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	.32 SEE APPROVED PLAN.	
" " Third	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	33 x .32	
" " from 1/2 len. for'd. to 15% len. from Stem	6 3 .28		Tank Side Brackets, height above base line at toe of Frame and thickness	LEVEL WITH TANK TOP	
" " in Peaks, Angle or <u>C</u>	6 3 .28		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 DIA RIVETS SPACED 7 AIRS APART C TO C.		Breadth and thickness of Middle Line Strake...	4 3/4 x .38	
State if Frame Joggled.....	YES.		Thickness of remainder in Holds38	
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?	YES.	
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 Way, Angle, <u>E</u> or <u>C</u>	5 3 .32	APPROVED. 5 x 2 1/2 x .32
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, <u>E</u> or <u>C</u>	5 2 1/2 .26	
Height of Brackets at side above base line at toe of frame.....			" " Spacing	24	
Middle Line Keelson, on Floors, Angles, <u>C</u> or <u>E</u>			Second Deck, amidships, Angle, <u>E</u> or <u>C</u>	5 2 1/2 .26	
" " Through Plate or Inter-costal Plate			" " Spacing	24	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <u>C</u> or <u>E</u>		
" " Flat Plate Keel Angles			" " Spacing.....		
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, <u>C</u> or <u>E</u>		
" " thickness of Inter-costal Plate...			" " Spacing.....		
" " Angles			Poop Deck, Angle, <u>C</u> or <u>E</u>		
" " Spacing.....			" " Spacing.....		
DOUBLE BOTTOM.			Bridge Deck, Angle, <u>C</u> or <u>E</u>		
Solid Floors, thickness and spacing32 ON ALTERNATE.		" " Spacing.....		
" " Are Frame and Reversed Frame joggled?	FRAME ONLY		" " Spacing.....	5 2 1/2 .36	APPROVED.
Bracket Floors, breadth and thickness at middle line	17 1/2 x .32		Forecastle Deck, Angle, <u>E</u> or <u>C</u>	5 3 .30	5 x 2 1/2 x .30
" " breadth and thickness at margin plate.....	21 x .32		" " Spacing.....	24	

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	TWO	✓	Stringer Plate, breadth and thickness in way of Bridge <i>B&F. SPAGE.</i>	27 * .38. ✓
„ in 'tween Decks, Size and Spacing	6" O.D. * .36	✓	Thickness of Plating abreast Deck openings in way of Wells28 ✓
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge..... <i>CASING.</i>30 ✓
„ in Holds „ „ „	2 AT 10 1/2" O.D. * .44	✓	Thickness of Plating within line of openings...	.28 ✓
„ „ „ „ „	1 AT 9 1/2" O.D. * .42	✓	If Sheathed, material and thickness.....	<i>COMPOSITION IN ACC^M AFT.</i> ✓
Centre Line Bulkhead.			Third Deck.	
Stiffeners and Spacing	✓		Stringer Plate, breadth and thickness.....	
Plating, thickness of	✓		If Plated, state thickness	
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	
Stringer Plate, breadth and thickness in Wells	6 1/2 * .34	APPROVED. 5 3/2 * .34	If Plated, state thickness.....	
„ „ „ „ in way of Bridge	✓		Poop Deck.	
„ Angle in Wells	3 1/2 3 1/2 * .34	✓	Stringer Plate, breadth and thickness.....	
Thickness of Plating abreast Deck openings } in way of Wells32	✓	Plating, Sheathing, material and thickness ...	
Thickness of Plating abreast Deck openings } in way of Bridge..... <i>CASING.</i>28	✓	Bridge Deck.	
Thickness of Plating within line of openings...	.30	EXPOSED.	Stringer Plate, breadth and thickness.....	
If Sheathed, material and thickness.....	<i>COMPOSITION IN ACC^M AFT.</i>	✓	Plating, Sheathing, material and thickness ...	
Second Deck.			Forecastle Deck.	
Stringer Plate, breadth and thickness in Wells	6 1/2 * .32	APPROVED. 5 3/2 * .32	Stringer Plate, breadth and thickness... * PLATING	.28 ✓
				.38 UNDER HINDLASS. ✓
			Plating, Sheathing, material and thickness...	3" ELM HINDLASS BED. ✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED,	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.....	45 1/2	.50	.50	.50		DOUBLE	3/4	3	TREBLE	3/4	2 5/8	LAPPED.	
„ Dblg. (if any)		✓					✓						
Bottom Plating, No. of Strakes	A. 66 3/4	.40	.44	.38	.44	DOUBLE	3/4	3	TREBLE TO DOUBLE	3/4	2 5/8	LAPPED.	
Bilge Plating, No. of Strakes	B. 74 3/4	„	„	„	„	„	„	„	„	„	„	„	
	C. 72	„	.38	„	„	„	„	„	„	„	„	„	
	D. 62 1/2	.38	„	„	.40	„	„	„	„	„	„	„	
Side Plating, No. of Strakes	E. 71	„	„	„		„	„	„	„	„	„	„	
Upper Deck, Sheer- strake in Wells.....	F. 66 1/2	.40	„	„		„	„	„	„	„	„	„	
Upper Deck, Sheer- strake in Bridge ...	G. 68	.44	„	„		„	„	„	„	„	„	„	
Strake below Sheer- strake in Wells		✓					✓						
Strake below Sheer- strake in Bridge ...		✓					✓						
Poop Side Plating.....		✓					✓						
Bridge Side Plating.....		✓					✓						
Forecastle Side Plating	✓	✓	.30	✓		SINGLE	3/4	3	SINGLE	3/4	2 5/8	LAPPED.	

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 Note									
Extending to Upper Deck (Sec. 3 c)					FOUR.					KEEL, Bar					STEEL					✓									
,, Deck next below					ONE.					STEM					BAR.					7 + 1 3/4 BAIRDS & SCOTTISH.									
As per Rule					FOUR.					STERN FRAME					{ Propeller Post					F.S.					6 3/4 x 5 1/4 T.S. FORSTER				
															{ Rudder					F.S.					8 x 5 1/4 + SONS LTD.				
</																													

EQUIPMENT No. 12663-4										LETTER No.		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.				
59407	1st Bower	26	1	0	Stockless			25	16	1	0	25 1/2	Bridanria (L.S. HEAD)	R. Lykes & Sons	Bradley Heath 5/2/45 H. V. NORMAN.
59408	2nd "	25	3	14	do.			25	10	1	7	25 1/2	do.	do.	do.
59409	3rd "	22	0	14	do.			22	9	1	14	22	do.	do.	do.
	Collective weight	74	1	0								73			
2718	Stream	6	2	14	1	3	0	8	17	2	0	6 1/2	Lockjaw Type.	N. Hingley & Sons Ltd	Wetherston 8/3/45 U. R. RILEY.

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.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
4356	107 3/4	1 1/2	40.5	58.7	126	-	1-0	242	210	1 1/2	Stud	N. Hingley & Sons Ltd	Wetherston 8/3/45 U. R. RILEY	TOWLINE	90	3 1/4	21.7	90	3 1/4
4424	107 1/2	1 1/2	40.5	58.7	125	-	0-0				do.	do.	do.	HAWSERS & WARPS	90	2 1/4	10.8	90	2 1/4
Two of the lengths of this cable are in two parts viz:- 14 fms + 1 fms length each.															90	1 3/4	6.4	90	1 3/4
Iron-Stream Chain or Steel Wire	75	3 1/2		25.7					75	3 1/2									

Steering Gear, Type (Power or hand)
Steam by Denton.
Alternative Means of Steering
Power + hand combined

Steering Chains (Size and Test)
Telemotor control
Windlass
Steam by Cameron Walker

Ceiling in Holds, thickness and material
Bone fitted, tank top under hatchways increased in size.
Cargo Battens, thickness, material and spacing
Bone fitted, to be fitted later on occasion offers.

Cargo Hatchways.—(Upper Deck)
Efficiently constructed of steel plates + angles.
Thickness of Hatches
2 1/2"

Size of Hatchways No. 1 (Fwd.)
28'-0" x 14'-0"
No. 2
52'-0" x 14'-0"
No. 3
4'-6" x 14'-0"
No. 4
28'-0" x 14'-0"
No. 5
52'-0" x 14'-0"
No. 6

Number of Shifting Beams and/or Fore and Afters
5.
10.
5.
10.

Builder's Signature
For THE BURNTISLAND SHIPBUILDING COMPANY LTD.
W. D. Douthwaite
DIRECTOR

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 *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).

This vessel has been built in conformity with the Society's Rules and Regulations + the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to, those shown on the approved plans. The materials and workmanship are good and to my satisfaction. The double bottom tanks, the fore and after peak tanks, aux; tank forward, fresh water tanks, settling tanks, feed water tank, the decks, w.t. bulkheads, cargo doors and hand pumps, have been tested in accordance with the Society's requirements, with satisfactory results. Nos 2, 3 + 4 double bottom tanks are fitted for the carriage of oil fuel, F.P. above 150° Fah.; Vessel suitable for carrying Banded Petrol. The windlass and steering gear tested under working conditions and found satisfactory. The freeboards as assigned by the Society, have been verified on the vessel's sides, cut in + painted. M.O.S. Notice No. M. 191, carried out where they apply.

The amount of Entry Fee..... £ 4 : 0 : 0
FREEBOARD..... £ 8 0 0
Special Survey Fee... + 25% £123 : 0 : 0
SPECIFICATION.
Travelling Expenses, if any £ 4 : 4 : 0

Fees applied for, 3-9-1945
Received by me, 19

State whether the Vessel has been built under Special Survey *yes.*
Signature *Robert Wood*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Leith*
Date of issue *18/10/45*

Committee's Minute
Character assigned *+100A1 with Freeboard*

fitted for oil fuel 8.45 3P above 150° F.
Lloyds a.s.c. mahy aft
+ LMC 8.45 20.09.
write SH

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0214 2 1/2

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.)

The following plans are forwarded herewith:—

Section, Profile and Decks.

Bulldoz + Stern Frame.

Engine Seating (2 off.)

Pumping Plan.

Deck Girders.

Frame Brackets forward 80 + 92.

Hatch Webs.

Hawse Pipe Shell Flange.

Arrangement of Sea Ejector Pipes to Cargo Compartments.

General Arrangement.

Lifting Reports (5 off.)

Copy of Rpt 10 - Derrick Post.

Copy of Rpt 10 - Steel Mast.

Copy of Rpt 10 - Completion Certificate.

Copy of Rpt 10 - Interim Certificate.

PARTICULARS OF ELECTRIC WELDING (if employed) 2nd Dk Sider Butts, Pillar Heads + Heels, Hatch Cleats, Stays + Corners, Hatch Webs, Stern Butts, Stern Contour, Base, Stern Shoes +, Lower Deck Blocks, Pipe Supports, Small Hatches + Skylights, Hawse Pipes + Chain Pipes, Mast + Outriggers, Sea Inlet Reservoir, Engine Seats, Stern Moulding, Bulldoz Lifting Plates.

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

Brass + Steel; 1 Dk + Shelter Dk; Machy Aft; Fitted for oil fuel S.P. above 150°F.

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

1st Bower

15-3-0 - A.E.G. - 3407 - 6/1/45

2nd "

15-1-12 - U.D. - 6338 - 20/8/41

3rd "

13-1-20 - A.E.G. - 3124 - 14/12/44

weight including cup + pins.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 180351. Signal Letters G.M.S.Y. Extreme Breadth over Belting 38.14' Over-all Length 224.25' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 2. Steel.

Parts of Bottom of Vessel coated with cement or approved composition Bilges fore and aft + pockets of fore + aft + peaks coated with cement. Two coats of bituminous solution to shell in way of engine space +

Particulars of composition (if fitted) and of approval Floors coated with 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,				Fore peak tank,	AUX UPPER.	13.4	31.1
Double bottom, under Engines and Boilers,	Nº 4	20.0 ✓	20.03		LOWER.	17.0	37.6
Double bottom, if under Engines only,	Nº 3	52.0 ✓	106.60			12.0	22.63
Double bottom, if under Boilers only,	Nº 2	44.0 ✓	89.80	Deep tank, aft,	FEED WATER.	8.0	24.95
Double bottom, forward,	Nº 1	26.0 ✓	49.30		UPPER	6.0	42.04
				Deep tank, forward,	LOWER	6.0	35.08
				Other tanks, if fitted,	OIL FUEL SETTLING	4.0	14.84
Total length (if continuous) and Capacity		142.0 ✓	265.73	(If necessary furnish further information by sketch.)			

2086.
Order for Special Survey No.

Date 20/10/44

Dates of Surveys held while building

1944. November 24th December 4th 1945. January 5th, 15th, 31st February 9th, 14th, 16th, 22nd April 6th, 13th, 23rd, 25th, 27th May 1st, 3rd, 4th, 7th, 11th, 14th, 15th June 5th, 20th, 22nd July 6th August 2nd, 7th, 17th, 22nd, 23rd, 24th

Total No. of Visits 31.