

STEEL STEAMER OR MOTORSHIP.

Received at London Office 22 NOV 1945

WRECK
SECTION

No. 1027

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

40615-

Date of completion of report 25th Oct 1945 Port of GLASGOW No. 70085.Survey held at TROON Date First Survey 14th Oct 1945 Last Survey 20th October 1945

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

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections & F.C.L.E POOP, BRIDGE

TONNAGE under 2529.94
Tonnage Deck ...

CLASS * 100 A.1 State if with freeboard as condition of Class NO

Built at TROON

Launched 11/4/1945 Yard No. 448

Builders AILSA SHIPBUILDING CO LTD

Owners MINISTRY OF WAR TRANSPORT

Managers GLEN & CO LTD

(Where necessary to be entered in Reg. Book)
165 ST VINCENT ST
GLASGOW C2

Port of Registry TROON

If surveyed while building, afloat, or in dry dock

BUILDING & AFLOAT

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

Tonnage 2958.22

Net Tonnage 1672.19

REGISTERED DIMENSIONS.

FEET

315.4

46.55

23.0

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a) L 310

Breadth (greatest moulded) B 46.33

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) D 25.17 ACTUAL

1st Longitudinal Number (L x D) = 7595

2nd Numeral L x (B + D) = 21957

Framing Depth "d," at middle of length. See
Sec. 3 (1d) 21.42Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 12.65Do. Long Bridge to
top of keel 9.25

Draught Moulded 20'-8 1/2"

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		
" " from 1/2 length amidships to Collision bulkhead.....	24	✓	" " Reversed Frame.....		
" " in peaks	24	✓	" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships	37	.46
Frame Amidships, Angle, E or F	10 3 1/2 7/16	✓	BOILER RM		.56
IN BOILER RM & BUNKER	10 3 1/2 1/2	✓	" " top Angles	3 3	.38
" " Extends up to UPPER DK IN WELLS		✓	BOILER RM	4 4	.50
BRIDGE DK ON ALT. FRAMES		✓	" " bottom Angles.....	3 1/2 3 1/2 7/16	✓
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness. ONE	.32	.34 ER. 44 B.R.
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	29 1/2	.42 .52 B.R.
Depth of Framing Girder.....	10	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3	.38
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	3 1/2 3 1/2 7/16 B.R.	✓
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	5 5	3/8
" " Third " " " " " "			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	CONTINUOUS PLT 22 x	.34
" " from 1/2 len. for'd. to 15% len. from Stem	10 3 1/2 7/16 B.A.	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	28 x	.34
" " in Peaks, Angle or F	7 3 .33	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4 @ 5/4	✓	Breadth and thickness of Middle Line Strake... BOILER RM	65 1/2 x	.40
State if Frame Joggled.....	YES	✓	Thickness of remainder in Holds35
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPD	✓	Are Rule requirements complied with regard- ing increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?.....	.43 UNDER HATCHES	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	AS APPD	✓	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 3 1/2 5/16	✓
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, E or F	7 3 .33	✓
Height of Brackets at side above base line at toe of frame.....			" " Spacing	6 3 1/2 5/16	✓
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F		
" " Through Plate or Inter- costal Plate			Spacing		
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate...			Spacing		
" " Angles			POOP DECK, Angle, E or F	6 3 1/2 5/16	✓
DOUBLE BOTTOM.			Spacing	EV. FRAME	✓
Solid Floors, thickness and spacing34 EV. FR.	✓	Bridge Deck, Angle, E or F	7 3 .33	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing	EV. FRAME	✓
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or F	7 3 .33	✓
" " breadth and thickness at margin plate.....			Spacing	EV. FRAME	✓

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		ONE			
" { in 'tween Decks, Size and Spacing		FILE 2 3/4 dia. ON ALT FRAMES ✓			
" { " " " BRIDGE		GIRDERS IN LINE WITH CASING SIDES ✓			
" { " " " POOP		GIRDERS & ACCOM. BMPS ✓			
" in Holds		THREE ROWS OF GIRDERS IN CONJUNCTION WITH REINFORCED MATCH END BEAMS AND CENTRE LINE PILLARS ✓			
Centre Line Bulkhead. Stiffeners and Spacing					
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		70 1/4 x .65 APP. 48 x .67 ✓			
" " " in way of Bridge		70 1/4 x .40 ✓			
" Angle in Wells		6 6 .65 ✓			
Thickness of Plating abreast Deck openings in way of Wells		.65 ABREAST N° 213 HATCHES ✓			
Thickness of Plating abreast Deck openings in way of Bridge		.50 .40 " " 1-4 " ✓			
Thickness of Plating within line of openings		.35 & .30 ✓			
If Sheathed, material and thickness		.30 .35 .40 ✓			
Second Deck.					
Stringer Plate, breadth and thickness in Wells					
Stringer Plate, breadth and thickness in way of Bridge					
Angle in Wells					
Thickness of Plating abreast Deck openings in way of Wells					
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings					
If Sheathed, material and thickness					
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					
Plating, Sheathing, material and thickness		.25 & .30 ✓			
Bridge Deck.					
Stringer Plate, breadth and thickness		65 1/2 x .40 ✓			
Plating, Sheathing, material and thickness		.35 ✓			
Forecastle Deck.					
Stringer Plate, breadth and thickness		.35 ✓			
Plating, Sheathing, material and thickness		.30 & .35 ✓			

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 LAPPED
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel	46 1/2	.65	.59	.59		DOUBLE	7/8	3 3/7	3	7/8	2 7/8	STRAPPED	
" Dblg (if any)													
Bottom Plating, No. of Strakes		.50	.42	.42		DOUBLE	3/4	3	3	3/4	2 5/8	LAPPE	
Bilge Plating, No. of Strakes		.50	.42	.42		"	"	"	"	"	"	"	
Side Plating, No. of Strakes		.50	.40	.40		"	"	"	"	"	"	"	
Upper Deck, Sheer-strake in Wells	65	.65	.40	.40		"	7/8	3 3/7	4 TO 3	7/8	3 1/8	"	
Upper Deck, Sheer-strake in Bridge	65	.50				"	3/4	3	3	3/4	2 5/8	"	
Strake below Sheer-strake in Wells	68	.55	.40	.40		"	7/8	3 3/7	"	7/8	3 1/8	"	
Strake below Sheer-strake in Bridge	68	.50				"	3/4	3	"	3/4	2 5/8	"	
Poop Side Plating			.38	.35		SINGLE	"	"	1	"	"	"	
Bridge Side Plating		.45 & .50				"	"	"	3	"	"	"	
Forecastle Side Plating			.38			"	"	"	1	"	"	"	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 5 ✓

" Deck next below ✓

As per Rule 5

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second					
" " Third					
" " Holds	117	25-44	10x3 1/2 x 1/2	28 to 33	2x24x34 5'-6'
" " COLLISION (in Hold)		30-46	7x3x.335 to 5x3x.38 0.A	24	WITH 8x3 1/2 x.355 CHAIN LUG BOTTOM
" " AFTER PEAK		30-46	5x3x.5/16	25 1/2-26 1/2	1 AT 24x.34 WITH 8x3 1/2 x.355

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any D. from A. Plans to
KEEL, Bar				
STEM ROLLED STEEL		8 1/4 x 2 1/4		
STERN FRAME { Propeller Post	FORGING	9 1/4 x 6	T.S. FORSTER & SON L.P.	
{ Rudder	"	"	SUNDERLAND	
Speed of Vessel	UNDER 12 KNOTS			
RUDDER—Type	ORDINARY SINGLE PLATE			
" A x D		270.6	T.S. FORSTER & SON L.P.	
" Diam. of head		8 1/2	SUNDERLAND	
" Mainpiece at top pintle		9 3/8	CRUDDER F AND STOK	
" heel		6 1/2		
" how constructed	FORGED MAIN PIECE AND A			
" double or single plate	SHRUNK ON SINGLE	.99		
" 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 PROC

STEEL COY OF SCOTLAND ✓

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

EQUIPMENT No. 23208

LETTER "U"

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.			
43194	1st Bower	45	1	21	Stockless			39	11	1	0	45	BYERS IMPROVED	W.L. BYERS & CO LTD	SUNDERLAND 22/2/1943 R.J. VOGAN
43188	2nd "	45	1	0	"			39	8	0	14	45	"	"	" 19/2/1943 "
	3rd "											38			
	Collective weight											128			
2627	Stream	12	0	24	3	0	18	14	1	3	14	12	ORDINARY	S. TAYLOR & SONS NETHERTON	23/10/1944 J.A. KELF

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.	Stations.	Breaking.	Supplied.	Per Rule.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
4280	270	1 1/16	71.8	100.5	416.0	12	270	1 1/16	STUD LINK TAYCO	S. TAYLOR & SONS	NETHERTON 6/11/1944 J.A. KELF	TOWLINE	100	4 1/2	33.2	100	4 1/2
									ordinary Rule			HAWSERS & WARPS	2 @ 90	2 1/2	13.2	2 @ 90	2 1/2
													2 @ 90	6	MANILA	2 @ 90	6 M
on Stream Chain or Steel Wire	90	4 1/4		36.4			90	4 1/4	6 1/2								

WILSON PIRRIE PRINCIPLE, STEAM

BLOCKS AND TACKLE

Steering Gear, Type (Power or hand) BY DONKIN & CO NEWCASTLE

Alternative Means of Steering LED TO WINCH

Steering Chains (Size and Test)

Windlass EMERSON WALKER LTD (STEAM)

Boats 2 LIFEBOATS

Coiling in Holds, thickness and material 2 1/2 W.W. OVER BILGES ONLY

Cargo Battens, thickness, material and spacing NONE FITTED, FRMS PUNCHED & CLEATS SUPPLIED.

Cargo Hatchways.—(Upper Deck) STEEL COAMINGS AND ANGLES

Thickness of Hatches 2 1/2" SOLID WOOD COVERS

Size of Hatchways No. 1 (Fwd.) 32' x 22' No. 2 34' x 24' No. 3 34' x 24' No. 4 32' x 22' No. 5

Number of Shifting Beams and/or Fore and Afters

5

6

NONE ON B.R. DK

1 UP. DK

6

5

Builder's Signature

AILSA SHIPBUILDING CO., LIMITED

MANAGING DIRECTOR

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 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 indicated, together with the flash point (where required to be inserted in the Notation).

This Ship has been built in conformity with the Societys Rules Regulations and the Secretarys letters. The scantlings and arrangements are in accordance with or equivalent to those shown the approved plans. The workmanship and materials are good, all the bottom tanks, fore and aft peak tanks and side tanks in engine tested as required by the Rules with satisfactory results. Weather decks, tunnel and W.T. bulkheads hose tested and found satisfactory. Freeboard and marks cut in. Windlass and steering gear tested with satisfactory results. Cargo battens are to be fitted at the first favourable tunity, the frames having been punched and cleats supplied by the Builders. anchors are in accordance with the Emergency Requirements.

Amount of Entry Fee. £ 6 : 0 : 0
DECKBOARD FEE 13 0 0
Special Survey Fee. £ 222 18 : 0
VISION OF SPECIFICATION 55 14 6
Travelling Expenses, if any £ : : 19

Fees applied for,

NOV 1945

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

Received by me,

I am of opinion the Vessel should be Classed 100 A.1

Whether the Vessel has been built under Special Survey YES

Certificate to be sent to Glasgow

Date of issue 11/1/46

Signature H.P. Urwin & B. Decker
Surveyors to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

GLASGOW

100 A.1

10.45

10.45

subject

Note: Cgo. hms., Egt.

0237

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.)

This vessel is similar to S.S. "EMPIRE DIRK" GLASGOW REPORT N° 67844 except the hatchways are of different size and there are no heavy derricks fitted.

The following plans are forwarded with this report :-

Midship Section
Profile and decks
Keel and C^o. Keelson
Aft End Drawing
Fore and Aft Peak Tanks
Peak Stringers
Bulkheads 64, 84 & 117
Attachment of Gusset Plates
Bilge and Ballast Pumping
Emergency Steering Gear
Rudder and Sternframe
Tunnel
Side Tanks in Engine Room
Hatches, pillars and guides
Midship Section "as built"
Profile and Decks "as built"
Sternframe Scarp, Rudder Coupling

NOTE :- Please return plans for reference in dealing with similar vessel under construction

Test Certificates forwarded.

Sternframe
Rudder
Quadrant
Tiller.

PARTICULARS OF ELECTRIC WELDING (if employed) Tank side gusset plates to tank margins
Minor details.

SPECIAL NOTATIONS :—Either as part of the vessel's class or for record in the Register Book.
Lloyds A & C.P., Cruiser Stern, Direction Indicator, Cargo Battens to be fitted at first favourable opportunity.
(Bower anchors to supply)

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 28.1.7	J.H.J.	5325	11.11.1942
	2nd " 28.2.0	J.H.J.	5337	18.11.1942
	3rd "			

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33 ft., R.Q.D. ft., Bridge 82 ft., Forecastle 34 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.
Official No. 169268 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 327.75 (Circ. 1703)
No. and Material of Decks ONE DECK (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition CEMENT FILLETS IN WAY OF ALL SHELL SEAMS AND LAPS
THROUGHOUT THE DOUBLE BOTTOM TANKS EXCEPT UNDER BOILERS WHICH IS CEMENTED ALL OVER THE BOTTOM
Particulars of composition (if fitted) and of approval BOTTOM OF FORE AND AFT PEAK TANKS CEMENTED

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.	S.W. Water Capacity.	Where Fitted.	Length.	S.W. Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	106	228	Fore peak tank,	18.5	110
Double bottom, under Engines and Boilers,	38	125	After peak tank,	18.0	117
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	124	333	Deep tank, forward,		
Double bottom, forward,	268	686	Other tanks, if fitted, SIDE TANKS IN ENG. RM.	14.0	99
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6650

Date 13.4.42

Dates of Surveys held while building

1942 Oct 14, 16, 20, 22, 29 Nov 4, 12, 18, 20, 23, 25, 30 Dec 2, 7, 10, 16, 23 1943 Jan 6, 14, 20, 28 Mar 8, 15, 22, 29 Apr 8, 15, 22, 29 May 5, 12, 19, 26 Jun 2, 9, 16, 23, 30 Jul 7, 14, 21, 28 Aug 4, 11, 18, 25, 31 Sep 1, 8, 15, 22, 29 Oct 6, 13, 20, 27, 31 Nov 3, 10, 17, 24, 31 Dec 7, 14, 21, 28 Jan 4, 11, 18, 25, 31 Feb 1, 8, 15, 22, 29 Mar 5, 12, 19, 26 Apr 2, 9, 16, 23, 30 May 6, 13, 20, 27, 31 Jun 3, 10, 17, 24, 31 Jul 7, 14, 21, 28 Aug 4, 11, 18, 25, 31 Sep 1, 8, 15, 22, 29 Oct 6, 13, 20, 27, 31 Nov 3, 10, 17, 24, 31 Dec 7, 14, 21, 28

Total No. of Visits 11

Lloyd's Register Foundation