

WHILE BUILDING

(MADE IN ENGLAND.)

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		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing	✓		Thickness of Plating abreast Deck openings in way of Walls36 ✓	
" " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	✓	
" in Holds " " "	✓		Thickness of Plating within line of openings...	.34 ✓	
" " " " "	✓		If Sheathed, material and thickness.....	✓	
Centre Line Bulkhead.	TWEEN DECKS { 5x3x.320A AND 7x3x.31 @ 2 FR SPACES ✓		Third Deck.		
Stiffeners and Spacing HOLD 12x 3 1/2 x 7/16 @ 2 FR. SPACES ✓			Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of TWEEN DECKS .26			If Plated, state thickness	✓	
HOLD .30 ✓			Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	✓	
Uppermost Continuous Deck.			If Plated, state thickness.....	✓	
Stringer Plate, breadth and thickness in Walls 65 3/8 x .65 ✓			Poop Deck.		
" " " " in way of Bridge ✓			Stringer Plate, breadth and thickness.....	✓	
" Angle in Walls 6 x 6 x .60 ✓			Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings } in way of Walls .60 8 .55 ✓			Bridge Deck.		
Thickness of Plating abreast Deck openings } in way of Bridge..... ✓			Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating within line of openings... .40 ✓			Plating, Sheathing, material and thickness ...	✓	
If Sheathed, material and thickness..... ✓			Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	35' x .36 ✓	
Stringer Plate, breadth and thickness in Walls 82 3/4 x .38 ✓			Plating, Sheathing, material and thickness... .32 , SO UNDER W'LASS. ✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <u>NO.</u>	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.....	54	.80	.70	.73		DOUBLE	7/8	3 1/2	3R.	7/8	4	DOUBLE STRAPS	
„ Dblg. (if any)	✓												
Bottom Plating, No. of Strakes <u>B</u>60	.70	.52		do	7/8	3 1/2	4R	7/8	3 1/2	SINGLE STRAPS	
„ <u>A.C.D</u>65	.70	.52								A.B.C. LAPPED.	
Bilge Plating, No. of Strakes <u>E</u>64	.57	.52		do	7/8	3 1/2	4R	7/8	3 1/2	SINGLE STRAPS	
Side Plating, No. of Strakes <u>F.G.</u>60	.45	.45		do	7/8	3 1/2	3R	7/8	3 5/32	LAPPED	
„ <u>H</u>65	.45	.45									
Upper Deck, Sheer- strake <u>in Walls</u>	77 1/2	.73	.60	.46		do	7/8	3 1/2	4R	1	4	LAPPED	
Upper Deck, Sheer- strake in Bridge ...	✓												
Strake below Sheer- strake <u>in Walls</u>	83 1/4	.65	.46	.46		do	7/8	3 1/2	3R	7/8	3 5/32	LAPPED	
Strake below Sheer- strake in Bridge ...	✓												
Poop Side Plating.....	✓												
Bridge Side Plating.....	✓												
Forecastle Side Plating			.40			SINGLE	3/4	3	1R	3/4	2 5/8	LAPPED	

WATERTIGHT BULKHEADS.

For Record: 4 BH (Coll to Wdk., 6 to 2nd dk) 6 divisional W.T. Bths in 'hull' dks
Total No. of W.T. BULKHEADS in Vessel— 7
Extending to Upper Deck (Sec. 3 c) 7
,, Deck next below 7
As per Rule 7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		✓		
STEM		ROLLED	5.10 x 2 1/2	✓
STERN FRAME {				
Propeller Post			N.S. FABRICATED AS PER	
Rudder			APPROVED PLAN DORMAN LONG CO.	
Speed of Vessel		11 KNOTS	✓	
RUDDER—Type		ORDINARY	✓	
" A x D		357	✓	
" Diam. of head		10"	✓	
" Mainpiece at top pintle		10"	✓	
" " heel		7 1/2"	✓	
" how constructed		FABRICATED	✓	
" double or single plate		DOUBLE	✓	
" coupling, vertical or				
" horizontal		VERTICAL	✓	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	•26"	5x3x42	30"	✓	✓
"	" Second "	✓	See "EMPIRE NEWTON"			
"	" Third "	✓				
"	" Holds No 87	45-26	12x3½x45	30"	✓	✓
COLLISION	" (in Hold) No 161	53-29	10x3½x44	24"	✓	✓
AFTER PEAK	" " No 9	48-30	9x3¼x38	24"	✓	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Open Hearth</i>
	<i>Messrs Cargoe Gleet, South Durham, Corsett, Skinningrove, Dorman Long.</i>
	Has the Steel been tested as required by the Rules? <i>yes.</i> ✓

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.						
1136	1st Bower ...	68	2	21	✓			53	1	3	14	✓	68	Stockless (Hingley's)	N.Hingley & Son	L.P.H.N. 26-9-41 J.A.R.	
1111	2nd „ ...	67	2	0	✓			52	7	2	0	✓	68	do	do	L.P.H.N. 17-9-41 J.A.R.	
	3rd „ ...												58½				
	Collective weight												194½				
1552	Stream	19	1	7	✓	5	0	0	20	4	0	7	✓	19	Iron stack	N.Hingley & Sons	L.P.H.N. 3-4-42 J.A.R.

HAWSERS AND WARPS.

[illegible]

Steering Gear, Type (Power ~~or~~ hand) DONKIN (STEAM)

Alternative Means of Steering *from after winch*

Steering Chains (Size and Test) Yelamator

Windlass *Emerson Walker Ltd*

Block and tackle
from after winch
2-24 ft lifeboats 33 persons.
1-27 ft do 45 persons
Boats 1-27 ft do (motor) 45 persons

Ceiling in Holds, thickness and material 2 1/2" W.W. at bilges only

...Cargo Battens, thickness, material and spacing ^{Not filled} ~~boats~~ supplied.

Cargo Hatchways.—(Upper Deck)..... *Steel plates and angles (recessed)*

Thickness of Hatches $2\frac{7}{8}$ AT NO 4 ELSEWHERE $2\frac{3}{8}$

Size of Hatchways No. 1 (Fwd.) $31'-6" \times 20'$ No. 2 $31' \times 20'$ No. 3 $31' \times 20'$ No. 4 $12'-11" \times 20'$ No. 5 $31' \times 20'$ No. 6 $31' \times 20'$

Number of Shifting Beams }
~~and/or Fore and Afters~~

5

5

5

1.

5

5

Builder's Signature

FOR SHORT BROTHERS, LIMITED.

Geny. C. Mont.

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*..... *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 (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Secretary's letter and the Society's Rules and embodies pre-fabricated parts. The material and workmanship are good. The double bottom, fore and after peak and deep tanks have been tested under water pressure and found good. The decks, upper, second, and fore-castle, bulkheads, tunnel, W.T. Doors in casings and ash chute have been hose tested as required by the Rules and found good. The steering gear, secondary means of steering and windlass have been tested whilst moored in the river. The bilge suction and hand pumps have been tested and found good. No cargo battens have been fitted but cleats supplied.

The third bow anchor has not been supplied

Hatch covers fitted at second deck except at nos 1 and 6 hatches

The preboard markings have been verified and cut in on the vessels sides

The amount of Entry Fee.....	✓	£ 10. . .	} Fees applied for,
<i>Subboard.</i>	✓	18. 0	
Special Survey Fee.....	✓	76. 9	
<i>Specification</i>	✓	94. 2	} Received by me,
<i>Travelling Expenses, if any</i>		£ : :	
			19

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

I am of opinion the Vessel should be Classed ** 100 A-1*
(with freeboard)

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

Signature

Surveyor to Lloyd's Register of Shipping

Certificate to be sent to Sunderland

Date of issue

Committee's Minute

TUES. 25 MAY 1943

Character assigned

+ 100 A1

with freeboard

Lloyd A. C. R.

+ Lnc 5.43

Write Note

© 2020

Lloyd's Register
Foundation

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.)

SISTER VESSELS:-

S.S. "EMPIRE NEWTON" / SUNDERLAND REPORT NO 33287
S.S. "EMPIRE STORY" ✓ do do 33351
S.S. "EMPIRE KEATS" ✓ do do 33398
S.S. "EMPIRE SOUTHEY" do do 33439
S.S. "EMPIRE WEBSTER" ✓ do do 33504
S.S. "EMPIRE ENVOY" do do 33572
S.S. "EMPIRE BARDOLPH" do do 33637

The following fabricated parts made at structural engineering works have been embodied in the vessel:-

Side bunkers, second deck chock plates, engine room and galley skylights
Y.W. tanks, masts and derrick posts.

Stress Coal Bunker & Oil Tanks W2.3 & 4
Converted to carriage of oil fuel, 250
See Notes Rpt No 130.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.Y. bulkhead stiffener brackets to tank top;
tank side gussets to tank top; centreline bulkhead to tank top; fore and after peak;
and deep tanks top to shell; ventilator coamings to deck; second deck stringer chocks
to shell and deck; second deck girder rider plate to girder gusset plate.

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

D.F. E.S.D. ✓

SIX DIVISIONAL W.T. BULKHEADS IN 'TWEEN DECKS' ✓

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

1st Bower	42-2-20	J.D.	3752	15-7-41
2nd "	42-1-0	J.D.	3757	24-7-41
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—

Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.5 ft.

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

Official No. 169114

Signal Letters ✓

Extreme Breadth over Belting ✓

Over-all Length 446.5 ✓

No. and Material of Decks

2 DECKS (STEEL) ✓

Parts of Bottom of Vessel coated with cement or approved composition

Cement in double bottom tanks, peak tanks,
and bilges.

Particulars of composition (if fitted) and of approval ✓

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,	62.0	236	Fore peak tank,	23.5	190 ✓
Double bottom, under Engines and Boilers,	46.5	221	After peak tank,	20.0	110 ✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	43.91	328 ✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	14.0	258 ✓
Double bottom, forward,	209.75	839	Other tanks, if fitted, ENGINE ROOM AT SIDES (P) 20.6 (S)	23.25	399 ✓
Total length (if continuous) and Capacity	318.25	1296	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6025

Date 16.3.42

Dates of Surveys
held while building

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

Total No. of Visits 93