

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

No. 14394.

On the ^{(Single or Machinery fitted Aft and} ~~Single, Twin or Triple Screw)~~ S S EMPIRE COBBETT MACHINERY AFT SINGLE SCREW STEAM TANKER

State Type of Erections POOP & F'ile.

Built at HAYERTON HILL - ON - TEES.

Launched 19TH Nov. 1942 Yard No. 350

Builders **FURNESS S. B. CO LTD.**

Owners MINISTRY OF WAR TRANSPORT

Managers **EAGLE OIL & SHIPPING CO LTD**
(Where necessary to be entered in Reg. Book.)

Residence LONDON

Port of Registry MIDDLESBROUGH.

~~#~~ surveyed while building, [&] afloat, ~~or in dry dock~~

SURVEYED WHILE BUILDING & AFLOAT.

		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 ENGINE ROOM		30"	30 3/4"	B.R.	27 1/2"						
DEEP TANK FORWARD			25"								
" " from 3/8 length to Collision bulkhead.....											
" " in peaks.....		AFTER PEAK 24" & 21"	F.P. = 24"								
SIDE FRAMING. LONGITUDINAL FRAMING		SEE									
Frame Amidships, Angle, [or [SEPARATE		SHEET.									
" " Extends up to											
FRAME IN DEEP TANK FORWARD		10"	3 1/2" x 43"								
Reversed Frame Amidships, Angle BACK BARS AT BOTTOM		3 1/2" x 3 1/2" x 3/8"									
" " Extends up to...											
Depth of Framing Girder.....		LONGITUDINAL FRAMING.									
Frames in Uppermost Continuous 'tween POOP Decks, Angle, [or [5"	3"	3/8"							
" " Second 'tween Decks, Angle, [or [
" " Third " " AFTER PEAK		7"	3 1/2"	3/8"							
Framing in Peaks, Angle or [FORE PEAK		9"	3 1/2"	3/8"							
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		TO FOLE DECK.		7/8"	5/4"						
State if Frame Joggled		N.O.									
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)		AS APPROVED.									
STRENGTHENING OF BOTTOM FORWARD. State Particulars		AS APPROVED.									
SINGLE BOTTOM.											
Floors, Depth and thickness at mid-line in Holds		48"	46"	CENTRE TANKS							
Height of Brackets at side above base line at toe of frame		36"	44"	WING TANKS							
Middle Line Keelson, INTERCOSTAL PLATE on Floors, Angle, [or [5 1/2"	42"								
" " " TOP BARS		6"	3 1/2" x 40"								
" " " Through Plate or Intercostal Plate											
" " " Foundation Plate on Floors											
" " " Flat Plate Keel Angles		5.6"	6"	60°							
Side Keelsons, No. each side											
" " thickness of Intercostal Plate...		FORE & AFT BULKHEAD.									
" " Angles											
DOUBLE BOTTOM. IN ENGINE ROOM.											
Solid Floors, thickness and spacing		EVERY		52"							
" " Are Frame and Reversed Frame joggled ?.....		YES									
Bracket Floors, breadth and thickness at middle line.....											
" " breadth and thickness at margin plate.....											
Bracket Floors, Frame											
" " Reversed Frame											
" " Vertical Struts											
Centre Girder, depth and thickness amidships		ER. 79" x 50" x 46"									
" " top Angles		ER. 3 1/2" x 3 1/2" x 3/8"									
" " bottom Angles		ER. 6" x 6" x 60°									
Side Girders, No. each side and thickness		2		44"							
Margin Plate depth (excl. of flange) and thickness											
" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem											
" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem											
" " Gussets, spacing and scantling abaft 1/4 len. from stem.....											
" " Gussets, spacing and scantling forward 1/4 len. from stem.....											
Tank Side Brackets, height above base line at toe of Frame and thickness)											
INNER BOTTOM PLATING.		ER. BR.									
Breadth and thickness of Middle Line Strake ...		54"		62"							
Thickness of remainder in Holds		54"		62"							
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 ?.....											
BEAMS.											
Uppermost Continuous Deck, amidships) in Wells, Angle, [or [
" " in way of Bridge, Angle, [or [

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.....			Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing			Thickness of Plating abreast Deck openings) in way of Wells		
" " " " " "			Thickness of Plating abreast Deck openings) in way of Bridge		
" in Holds " "			Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead. in DEEP TANK FORWARD			Third Deck.		
Stiffeners and Spacing... EVERY FRAME 5' 8" 3 1/2" 3/8"			Stringer Plate, breadth and thickness.....		
Plating, thickness of BULKHEAD (WASH) .42" To .30"			If Plated, state thickness.....		
LONGITUDINAL BULKHEAD P&S SIDES IN CARGO TANKS PLATING .50" To .42"			Fourth Deck.		
STRINGERS AND DECKS. PLATING .50" To .42"			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck. STIFFERS LONGITUDINAL			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells 87 1/2" .82"			Poop Deck.		
" " " " in way of Bridge ✓			Stringer Plate, breadth and thickness	64" .48" .38"	
" Angle in Wells 7' 7" .82"			Plating, Sheathing, material and thickness ...	50" .40" .24"	
Thickness of Plating abreast Deck openings) in way of Wells 76" .66			Bridge Deck.		
Thickness of Plating abreast Deck openings) in way of Bridge ✓			Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating within line of openings... ✓			Plating, Sheathing, material and thickness ...	✓	
If Sheathed, material and thickness ✓			Forecastle Deck.		
Second Deck. DEEP TANK FORWARD			Stringer Plate, breadth and thickness.....	41" UNDER WIND LASS	
Stringer Plate, breadth and thickness in Wells... 38"			Plating, Sheathing, material and thickness ...	27" .50"	

SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?		No.	BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		DOUBLE 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.									
FLAT PLATE KEEL	54	1.00	1.00	.86		DOUBLE.	1 1/8	4	3	1 1/8	4 1/2	DOUBLE STRAPS	
" DBLG. (if any)													
BOTTOM PLATING, No. of Strakes 4		.76	.87	.56		"	1	3 1/2	5	1	4 1/2	LAPPED	
BILGE PLATING, No. of Strakes 1		.76	.72	.76		"	7/8	3 1/16	5	1	4 1/2	"	
SIDE PLATING, No. of Strakes 3		.64	.50	.48		"	7/8	3 1/16	3	7/8	3 1/8	"	
UPPER DECK, Sheer-strake in Bridge ...	72	1.00	.46	.46					3	1 1/8	4 1/2	DOUBLE STRAPS	
UPPER DECK, Sheer-strake in Bridge ...		1.14	AT POOP BREAK.										
STRAKE BELOW Sheer-strake in Bridge ...	90	.77	.46	.46		DOUBLE	1	4	4	1	4	LAPPED	
STRAKE BELOW Sheer-strake in Bridge ...		BOSS	.76										
POOP SIDE PLATING42		SINGLE.	7/8	3 1/16	2	7/8	3 3/8	LAPPED	
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			.46 ONE PLATE IN WIDTH.						2	7/8	3 3/8	LAPPED	

FORGINGS and CASTINGS.

Extending to Upper Deck (Sec. 3 c) **13.**
ALL EXTEND TO UPPER DECK
 Deck next below ✓

As per Rule AS APPROVED 13.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
CENTRE TANKS					
MIDSHIP BULK'D, Upper lower deck	56"-38	12" x 3 1/2" x 3/8" 42 50	36"	2 OFF 42" x 40"	✓
"	UPPER GIRDER FACE BAR	7"	3 1/2" x 40"	✓	
"	Second LOWER	"	10"	3 1/2" x 60"	✓
WING TANKS					
"	Third " "	56"-38	12" x 3 1/2" x 3/8" 42 50	36"	2 OFF 36" x 40"
"	UPPER GIRDER FACE BAR	6"	3 1/2" x 40"	✓	
"	Holds	LOWER	"	10" x 3 1/2" x 40"	✓
COLLISION					
" (in Hold)	56"-38	9" x 3 1/2" x 3/8"	36"	2 SEMI-BOX	✓
"	"	5" x 3" x 3/8"	36"	DEEP TANK	7'-0"
AFTER PEAK					
"	48"-34	9" x 3 1/2" x 3/8"	36"	FLAT & SEMI-BOX.	✓
"	"	5" x 3" x 3/8"	36"		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open hearth process.* ✓

STEEL. *PLATES:- SOUTH DURHAM & I.C. LTD. DORMAN LONG & C. LTD. BETHLEHEM STEEL C.*

SECTIONS:- CARGO FLEET IRON C. LTD DORMAN LONG & C. LTD, APPLEBY FRODINGHAM, SKINNING GROVE, COLVILLES.

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

14394-

FRAMING.			AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
			In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.	
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Diam.	Spacg.	Inches.	Number.		Diameter.	
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Inches.		Inches.	
Framing of ∇ , L \leftrightarrow ∇																			
Frames in Bridge 'tween Decks ...																			
Frames from Uppermost Continuous Deck																			
	No. 1		7"	3 1/2"	.40"	7"	3"	.40"							1" - 6"	THROUGHOUT.	7 To L 10 To B	7/8"	
	" 2		7	3 1/2	.40		"								7/8 - 5/4"	"	"	"	
	" 3		7	3 1/2	.40		"								"	"	"	"	
	" 4		7	3 1/2	.43	7	3 1/2	.43							"	"	"	"	
	" 5		8	3 1/2	.36	8	3 1/2	.36							"	"	8 To L 12 To B	"	
	" 6		8	3 1/2	.36		"								"	8 @ 4"	"	"	
	" 7		8	3 1/2	.44	8	3 1/2	.44							"	"	"	"	
	" 8		9	3 1/2	.37	9	3 1/2	.37							"	"	9 To L. 14 To B.	"	
	" 9		9	3 1/2	.37		"								"	"	"	"	
	" 10		9	3 1/2	.41	9	3 1/2	.44							"	8 @ 3 1/16	"	"	
	" 11		10	3 1/2	.40	10	3 1/2	.40							"	"	"	"	
	" 12		11	3 1/2	.43	11	3 1/2	.43							"	"	11 To L 16 To B	"	
	" 13		12 x 3 1/2 x 3 1/2	.42" .50		12 x 3 1/2 x 3 1/2	.42" .50								"	"	12 To L 16 To B	"	
	" 14		15 x 4 x 4	.41" .62		15 x 4 x 4	.41" .62								"	9 @ 3 1/16 8-11" 7 @ 3/16 7-2"	16 To L 18 To B	"	
	" 15		15 x 4 x 4	.41" .62		15 x 4 x 4	.41" .62								"	"	"	"	
	" 16		15 x 4 x 4	.41" .62		15 x 4 x 4	.41" .62								"	"	"	"	
	To 22														"	"	"	"	
Amidships			3'-0" BOTTOM			2'-6" SIDES									RIVETS THROUGHOUT IN WING & CR. TANKS				
At Ends															FWP OF 75 FRAME 4" APART.				

Double Bottoms } Tank Top Longitudinals
L, L or C } Bottom "

Spacing of Longitudinals { Amidships
At Ends...

Transverses.




In Bridge between Decks	{	Depth and Thickness
		Face Angles
		Lugs to Shell ²

In Upper 'tween Decks.	{	Depth and Thickness
		Face Angles 57
		Lugs to Shell*

In Hold.	{	Depth and Thickness
		Face Angles <i>IN CEN</i>
		Lugs to Shell*

„ „ Back Bars ...
Brackets

Spacing of Transverse Frames

Longitudinal	Bridge Deck
Beams of	
  or 	Upper "
	Second "
	Third "

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

5c,11,28, T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

005307-005310-0018

Filled for oil pres. 12.42 H. abas 150°
22, CL,

note for S.R.L.
Wm H. H. & M. H.

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Foundation

005307-005310-0015

EQUIPMENT No										LETTER	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.					
42227	1st Bower ...	87	0	0	✓	✓		61	17	2	0	85 - 2 - 0	✓	BYERS STOCKLESS	✓	SUNDERLAND 7-8-42 R.J.V.	
42228	2nd " ...	86	0	14	✓	✓		61	17	2	0	85 - 2 - 0	✓	"	✓	" 7-8-42. R.J.V.	
	3rd " ...																
	Collective weight.	173	0	14	✓							171 - 0 - 0				W.U.N.	
55557	Stream	25	0	8	✓	6	1	8	24	17	0	21	25 - 0 - 0	✓	COMMON STOCK.	✓	CRADLEY HEATH 12-11-42.

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.	
3030	120	2 9/16	1167	163 3/8	395-2-14	989-0-0	300	2 9/16	STUB LINK.	Headrick & Mole Ltd	JAR. NETHERTON 28-10-42	TOWLINE...	130	5 1/4	77.5	130	5 1/4	
3031	120	2 9/16	"	"	396-1-7	✓	✓	✓	"	"	JAR. 28-10-42	HAWSERS & WARPS	2.	100	2 3/4	2 C.	100	2 3/4
	240		TOTAL		791-3-21	✓								2.	100	2 3/4	2 C	100
					Equipment as per letter 14-12-40.													
		Or.						Or.					"					
Iron Stream Chain or Steel Wire	120	4 1/2		586	STEEL WIRE.			120	4 1/2	STEEL WIRE.			"					

Steering Gear, Steam DONKIN & CO LTD TELEMOTOR GEAR										ALTERNATIVE Steering Gear, BLOCKS & TACKLE LED TO WINCH ON POOP DECK.						
Boats 2 STEEL LIFEBOATS 24' x 8' x 3-5'										Windlass CLARKE CHAPMAN.						
2 STEEL MOTORBOATS 24' x 8' x 3-5'																
Ceiling in Holds, thickness and material										Cargo Battens, thickness, material and spacing						
STEEL CORRUGATED 8' x 50" N-1 2-6' x 44"										STEEL O.T. COVERS 50"						
Cargo Hatchways.-(Upper Deck) 18 OFF TO CARGO TANKS 5-3' x 4-0' OUGHT.										Thickness of Hatches N-1 STEEL W.T. COVER 36" STIFFS 6' x 5 1/2"						
Size of No. 1 Hatchway (Forward) 12-0' x 8-0'										No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓						
Number of Shifting Beams and/or Fore and Afters										✓						

FURNESS SHIPBUILDING CO LTD										Builder's Signature R Boardman DIRECTOR						
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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										The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point. Fitted for Oil Fuel Flash point above 150°						
Double bottom in Boiler space and Cross Bunker.																
The vessel has been built in accordance with the approved plans, The Secretary's letters and in general conformity with the Society's Rules and Regulations for the class contemplated.																
The main cargo tanks, cofferdams, oil fuel tanks, double bottom tanks in engine and boiler space, forward deep ballast tank, fore and after peak tanks, have been tested to rule requirements with satisfactory results.																
The weather decks aloft of the oil tanks, watertight doors etc, have been tested with water from a hose and found tight.																
Steam and Auxiliary Steering Gear, Windlass and Winches, have been tested under working conditions and found satisfactory. The freeboard markings have been cut in and verified. The workmanship and materials are good.																

The amount of Entry Fee £ 11 : 0 : 0										Fees applied for, (Special notations, where part of class, to be stated.)						
Special Survey Fee.... £ 667 : 17 : 6										4/11 1943						
FREEBOARD 20 0 0										Received by me, 19.						
Travelling Expenses, if any £																
SUPERVISION OF SPECIFICATION 166 19 4																
State whether the Vessel has been built under Special Survey										YES.						
Certificate to be sent to Middlesbrough.										Date of issue 29/1/43.						

Committee's Minute										JAN. 22 JAN 1943						
Character assigned										+ 100% Carrying petroleum in bulk Lloyd's arch. + Lark 12.43 Fitted for oil fuel 12.42 flash above 150° 22, CL,						
note for S.R.L.										Made H. & M.						



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Lloyd's Register Foundation

005307-005310-0015 3

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.)

Report N^o 17239 EMPIRE DICKENS FURNESS S.B. CO. LTD YARD N^o 341.
" " 17276 " NORSEMAN " " " " " 342.
" " 17323 " LYTTON " " " " " 343.
" " 17347 " GRENADIER " " " " " 344.
" " 17375 " NUGGET " " " " " 349.

Stem Post reinforced at top as per our letter to Mr. Potts 15th April 1942. ✓

Girder fitted under Dynamo Flat Frs. 13 to 18. ✓
as in all previous sister ships. N^{os} 341-2-3-4-49.

Longitudinal Beams.
16" x 40" 8" x 3 1/2" x 40" 7

Additional stiffening fitted on After Cofferdam Bulkhead N^o 44A. ✓
Stiffeners increased from 9" to 10" BA. @ 6' 9" 15' 18" & 21' from $\frac{1}{2}$ P & S
and 12" L struts fitted from Bulkhead N^o 44A. to Oil Fuel Bunker Bulkhead N^o 44.
in line with deep tank top in Boiler Space, 6' 18" & 21' from $\frac{1}{2}$ of ship P & S. ✓

Particulars of Electric Welding

Stem Frame & Rudder Electrically Welded. ✓

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

Direction Finding Apparatus; Echo Sounding Apparatus, (provision made but not fitted)
bruiser stern. ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	49-1-18 ^{LBS.}	S.P.R.	4911	29-5-42.
	2nd "	51-0-6	S.P.R.	4851	22-5-42. ✓
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 108.54 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 38.90 ft.
(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. (STL) ✓ OVERALL LENGTH 503'-10" ✓

Official No. 164861.: Signal Letters Is bottom of vessel coated with cement FORE & AFTER PEAKS CEMENT CEMENT FILLETS IN FEED TANK if not give
particulars of ~~compartment~~ CARGO & OIL FUEL TANKS BARE. COFFERDAMS CEMENT WASHED. PUMP ROOM PAINTED. ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	28'-7 3/4"	335
Double bottom, under Engines and Boilers,			After peak tank,	17'-3"	201
Double bottom, if under Engines only,	55'-3"	104	Deep tank, aft,		
Double bottom, if under Boilers only, OF BOKRS	27'-6"	416	Deep tank, forward,	31'-1"	647
Double bottom, forward,			Other tanks, if fitted,		
TOTAL LENGTH (IF CONTINUOUS)	52'-9"	Total capacity of double bottom 520	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 1545

Date 7/11/41.

Dates of Surveys held while building

1941 Dec. 24. 1942 Feb. 11. 24. March 13. 19. April 15. 21. May 11. 28. June 4. 22. 29. July 5.
August 14. 18. 20. 24. Sept. 3. 8. 10. 13. 21. 25. 29. Oct. 6. 8. 9. 12. 13. 14. 16. 19. 20. 22. 23. 26. 27. 28. 29. 30.
November 2. 2. 5. 6. 7. 9. 10. 12. 13. 16. 19. 24. 26. 27. December 1. 2. 3. 4. 7. 8. 10. 14. 15. 16. 17. 18. 22. 23. 24. 28.

Total No. of Visits 70