

STEEL STEAMER or MOTORSHIP.

6 MAY 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **YES**State if Report is sent on the Machinery of the Vessel **NO**

Date of completion of report **2ND MAY 1930.** Port of **MIDDLESBROUGH.** No. **14064**
 Survey held at **HAYERTON HILL-ON-TEES** Date First Survey **25TH NOV. 1929.** Last Survey **29TH APRIL 1930.**
 On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **SINGLE SCREW STEAMER "OTTAWALITE"**

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **FULL SCANTLING (SPECIAL DESIGN) ISHERWOOD COMBINATION SYSTEM** State Type of Erections **✓**TONNAGE under Tonnage Deck... **626.81**

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

Total

Gross Tonnage **715.49**Register Tonnage **343.36**REGISTERED DIMENSIONS.
FEET.Length **175.0**Breadth **35.2**Depth **12.95**CLASS **+100A. CARRYING PETROLEUM IN BULK FOR SERVICE ON THE GREAT LAKES.** State if with freeboard as condition of Class **NO**Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **L 175**Breadth (greatest moulded) **B 35**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 13**1st Longitudinal Number (L x D) = **2275**2nd Numeral L x (B + D) = **8400**Framing Depth "d," at middle of length. See Sec. 3 (1d) **13.46**Proportions—Depth to Length—Uppermost continuous deck to top of keel **✓**Do. Long Bridge to top of keel **✓**Draught Moulded **10'-10"**Built at **HAYERTON HILL-ON-TEES.**Launched **31ST MAR. 1930** Yard No. **173**Builders **FURNESS SHIPBUILDING CO. LTD.**Owners **IMPERIAL OIL CO. LTD.**

Managers

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

Residence **SARNIA ONTARIO**Port of Registry **MONTREAL P.Q.**

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	✓	
" " from $\frac{3}{8}$ length to Collision bulkhead.....	24"		" " Reversed Frame	✓	
" " in peaks.....	24" AFT PEAK 18" FORE PEAK.		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships 30" x 31 E.S. 44 B.S.		
Frame Amidships, Angle, [or] B.A. 9' 3" x 38" AT TRANSVERSES. B.A. 6' 3" x 32" REMAINDER.			" " top Angles	3' 3" x 33 E.S. 44 B.S.	
" " Extends up to	UPPER DK.		" " bottom Angles	3' 3" x 32" x 37	
Reversed Frame Amidships, Angle B.A. F.R.S.			Side Girders, No. each side and thickness 2. 28		
" " Extends up to...	✓		Margin Plate depth (excl. of flange) and thickness STRAIGHT ACROSS 31		
Depth of Framing Girder	✓		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		Bracket abaft $\frac{1}{2}$ len. from stem		
" " Second 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side		
" " Third " " " AFT PEAK 5' 3" x 32 B.A. FOR PEAK 8' 3" x 4 B.A. 4' 3" x 3 B.A.			Bracket forward $\frac{1}{2}$ len. from stem		
Framing in Peaks, Angle or [or] 3" 4" APART.			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem.....		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3" 4" APART.		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem.....		
State if Frame Joggled	YES.		Tank Side Brackets, height above base line at toe of Frame and thickness		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars TWO SIDE STRINGERS & PANTING BEAMS CLOSELY SPACED INTER- TWO STRAKES OF BOTTOM PLATING NEXT KEEL MAINTAIN MIDSHIP THICKNESS TO RULE POSITION OF COLL. 30" x 28 E.S. 44 B.S. 23" to 28 F.R.S. 28 AFT PEAK.			INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			" Breadth and thickness of Middle Line Strake ... 9" x 7" UNDER ENGINES.		
SINGLE BOTTOM.			Thickness of remainder in HOLD ENGINE SPACE 33		
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, [or]			Uppermost Continuous Deck, amidships in Wells, Angle, [or] LONGITUDINAL BEAMS.		
" " " Through Plate 44 IN BOILER SPACE			" " in way of Bridge, Angle, [or]	✓	
" " " Foundation Plate on Floors TOP BARS DOUBLE 3' 3" x 44 BOTTOM " 3' 3" x 37 VERT " 5' 5" x 4 RIDER PLATE 24" x 44.			Spacing	✓	
" " " Flat Plate Keel Angles			Second Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side			Spacing.....	✓	
" " thickness of Intercoastal Plate...			Fourth Deck, amidships, Angle, [or]	✓	
" " Angles			Spacing.....	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	✓	
Solid Floors, thickness and spacing ENG. SPACE 30" x 28			Spacing.....	✓	
" " Are Frame and Reversed Frame joggled?.....	YES		Bridge Deck, Angle, [or]	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing.....	✓	
" " breadth and thickness at margin plate.....	✓		Forecastle Deck, Angle, [or]	✓	
			Spacing	✓	

PILLARS AND DECKS.				INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	
PILLARS IN ENG. SPACE		2 ON FRAME 10		Stringer Plate, breadth and thickness in way of Bridge		✓	
in 'tween Decks, Size and Spacing		2 ON FRAME 17		Thickness of Plating abreast Deck openings in way of Wells		✓	
" " " "		EACH PILLAR CLIPPED OF 4 ANGLES 32" x 32" x 1/4"		Thickness of Plating abreast Deck openings in way of Bridge		✓	
" " " "		FIVE WEB FRAMES IN MACHINERY SPACE		Thickness of Plating within line of openings		✓	
" " " "		PT. 12" x 32" FACE ANGLE 3" x 3" x 3/4" SINGLE		If Sheathed, material and thickness		✓	
Centre Line Bulkhead.		HORIZONTAL 6" x 3" x 3/4" BA 27 1/2" APART		Third Deck.		✓	
Stiffeners and Spacing		38" x 32"		Stringer Plate, breadth and thickness		✓	
Plating, thickness of		38" x 32"		If Plated, state thickness		✓	
STRINGERS AND DECKS.		65" x 32" x 3/4"		Fourth Deck.		✓	
Uppermost Continuous Deck.		Stringer Plate, breadth and thickness in Wells		Stringer Plate, breadth and thickness		✓	
" " " " in way of Bridge		✓		If Plated, state thickness		✓	
" " " " Angle in Wells		5" x 5" x 3/4" 3" x 3" x 3/4"		Poop Deck.		✓	
Thickness of Plating abreast Deck openings in way of Wells		32"		Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Bridge		✓		Plating, Sheathing, material and thickness		✓	
Thickness of Plating within line of openings		32" x 30"		Bridge Deck.		✓	
If Sheathed, material and thickness		NO SHEATHING		Stringer Plate, breadth and thickness		✓	
Second Deck.		Stringer Plate, breadth and thickness in Wells		Plating, Sheathing, material and thickness		✓	

SHELL PLATING.									
SCANTLINGS.					RIVETING.				
AS IN VESSEL.					EDGES.				
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.					State if Joggled?				
STRAKES.					BUTTS.				
AMIDSHIPS.					RIVETS.				
Breadth. Thickness. Thickness. Thickness.					Diam. Spacing or to cr. Diam. Spacing or to cr.				
Inches. Inches. Inches. Inches.					Inches. Inches. Inches. Inches.				
FLAT PLATE KEEL					DOUBLE 3/4 2 5/8 TREBLE 7/8 3 3/8 LAPPED				
" DBLG. (if any)					" " " " " " " " " "				
Bottom Plating, No. of Strakes					" " " " " " " " " "				
Edge Plating, No. of Strakes					" " " " " " " " " "				
Side Plating, No. of Strakes					" " " " " " " " " "				
Upper Deck, Sheer-strake in Wells					" " " " " " " " " "				
Upper Deck, Sheer-strake in Bridge					" " " " " " " " " "				
Strake below Sheer-strake in Wells					" " " " " " " " " "				
Strake below Sheer-strake in Bridge					" " " " " " " " " "				
Poop Side Plating					" " " " " " " " " "				
Bridge Side Plating					" " " " " " " " " "				
Forecastle Side Plating					" " " " " " " " " "				

WATERTIGHT BULKHEADS.				FORGINGS AND CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.			
Extending to Upper Deck (Sec. 3 c)				Scantlings.			
Deck next below				Maker's Name.			
As per Rule				Any departure from approved plans to be noted.			
SEVEN				KEEL, Bar			
FOUR				ROLLED STEEL 6" x 1 3/8"			
				STEM			
				FORGING 6" x 3 3/4" T.S. FORSTER			
				STERN FRAME			
				Propeller Post			
				Rudder			
				RUDDER—A x D			
				90" x 6"			
				Speed of Vessel			
				UNDER 10 KNOTS			
				RUDDER			
				FORGING 6 1/2" x 5 1/2" x 1 1/2" T.S. FORSTER			
				FRAME			
				CASTING 2 3/4" x 1 1/2" x 1 1/2" (as plans)			
				how constructed			
				SEMI BALANCED TYPE			
				double or single plate			
				coupling, vertical or horizontal			
				HORIZONTAL			
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				OPEN HEARTH BASIS			
CARGO FLEET, SOUTH DURHAM, CONSETT				DORMAN LONG			
Has the Steel been tested as required by the Rules?				YES			

EQUIPMENT No.										LETTER										ANCHORS.									
Number of Certificate.										Description of Anchor.										Makers.									
Anchors.										Weight, Ex. Stock.										Test, Per Certificate.									
Owts. qrs. lbs.										Owts. qrs. lbs.										Tons. qws. qrs. lbs.									
32857 1st Bower										17 0 7										STOCKLESS 18 6 3 14									
32856 2nd "										17 0 0										D° 18 6 0 0									
3rd "										34 0 7										D°									
Collective weight.										4 3 5										1 0 25 7 5 0 0									
91515 Stream										4 3 5										1 0 25 7 5 0 0									
CHAIN CABLES.										HAWSERS AND WARPS.																			
Number of Certificate.										Length and size supplied.										Test per Certificate.									
Length. Diam.										Length. Diam.										Length. Diam.									
Fathoms. Ins.										Fathoms. Ins.										Fathoms. Ins.									
94379 90 1 1/4 28 1/2 42 1/2 72-0-4										SEE LONDON LETTER DATED 27-11-29										STUD LINK									
94349 60 1 1/4 28 1/2 42 1/2 46-3-16										D°										D° 4-2-30 H. GREEN									
94399 30 1 1/4 28 1/2 42 1/2 25-0-15										27-11-29										D° 4-2-30 H. GREEN									
Iron (Stream) Chain or Steel Wire										14-0-1										144									
Steering Gear, Steam										MAKERS J. HASTIE & Co. Ld.										Steering Gear, Hand									
Boats 2 STL. LIFEBOATS 18' x 6' 3"										Steering Chains, Size and Test										Windlass									
Ceiling in Holds, thickness and material										NONE										Cargo Battens, thickness, material and spacing									
Cargo Hatchways—(Upper Deck)										6'0" x 4'0" STL CARRIES 30" x 4"										Thickness of Hatches									
Size of No. 1 Hatchway (Forward)										No. 2										No. 3									
No. 4										No. 5										No. 6									
Number of Shifting Beams and/or Fore and Afters																													
Builder's Signature										J. McGovern																			

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel ☒ (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.

This vessel has been built in accordance with the approved plan the Securamps letter from 4th Nov. 1929 to 26th March 1930 and in general conformity with the Rules and Regulations for the class contemplated. The workmanship and materials throughout are good. All the oil tanks, oil fuel bunker, double bottom tank in engine room, aft peak tank, have been tested under pressure, the weather deck tested with hose, all with satisfactory results. Copies of the profile and deck plan, and midship section as built, also forging and casting reports are forwarded herewith. The approved plans will be forwarded on completion of sister vessel 'S' RIDEAULITE 74-174

The amount of Entry Fee		Fees applied for,	
Special Survey Fee		Received by me,	
Travelling Expenses, if any		Signature	
£ 4 : 0 : 0	5 May 1930	J. A. Brickett	
£ 107 : 5 : 0	2 June 1930	Surveyor to Lloyd's Register of Shipping.	
FREEBOARD 3 6 8			
State whether the Vessel has been built under Special Survey		YES	
Certificate to be sent to		MIDDLESBROUGH	
Committee's Minute		TUE. 13 MAY 1930	
Character assigned		+ 1000	
		Carrying petroleum in bulk for service on the Great Lakes	
		Lloyd's incl. + Lmb. 4.30 C.F.	
		Fitted for oil fuel 4.30 T.P. above 150° F	

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.)

Rpt. 4.

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 85675

Received at London Office

17 MAY 1930

NEWCASTLE ON TYNE

SINGLE SOREN STEAMER OTTAWALITE FURNESS S.B. 67 N:173

PARTICULARS OF LONGITUDINAL FRAMING. AT BOTTOM & DECK ONLY. TRANSVERSE FRAMING AT SIDES

FRAMING.										AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
										In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Diam. Spang.		Inches.		Number. Diameter.	
										Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
ing of L, L or C																											
s in Bridge 'tween Decks ...																											
s from Uppermost Continuous Deck No. 1																											
" 2																											
" 3																											
" 4																											
" 5																											
" 6																											
" 7																											
" 8																											
" 9																											
" 10																											
" 11																											
" 12																											
" 13																											
" 14																											
" 15																											
" 16																											
ing of longitudinal frames										Amidships			At Ends														
Tank Top Longitudinals										Bottom LONG			9*3*38 B.A. 6*3*4 B.A. 9*3*38 B.A. 6*3*4 B.A.			3 3/4 4 1/2		FOR 10 RIVETS EACH SIDE OF TRANSVERSE BULKHEADS. 3/4 SPACED 3 3/8 APART									
ing of Longitudinals										Amidships			26" * 24" 26" * 24" 26" * 24" 26" * 24"														
Transverses.																											
Bridge										Depth and Thickness																	
n Decks										Face Angles																	
										Lugs to Shell*																	
ft. In										Depth and Thickness																	
r 'tween										Face Angles																	
ecks.										Lugs to Shell*																	
FROM										Depth and Thickness			27" * 34														
EVERS										Face Angles			5*3*46 O.A.														
ive										Lugs to Shell*			5*5*34 8 INCH NO LINERS.														
										" " Back Bars																	
										Brackets			3" FL. 3'10" * 2'9" * 34														
ing of Transverse Frames										* State if joggled or liners.																	
Bridge Deck ...										6*3*30 B.A. 5 1/2*3*32 B.A. 6*3*30 B.A. 5 1/2*3*32 B.A.			26"														
Upper																											
Second																											
Third																											
Transverse Beams.																											
Plate. Angles.																											
Plate. Angles.																											
18*32 5*3*44 18*32 5*3*44																											
Jm brichter																											

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

1st Bower	9 CWTs 19R. 20 LBS. K.H. 7501 28-1-30
2nd "	9 CWTs 20RS. 21 LBS. K.H. 7498 28-1-30.
3rd "	

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 is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK (STL)
LONGITUDINAL FRAMING AT BOTTOM & AT DK. MIDDLE LINE BULK: NON OILTIGHT.
Official No. : Signal Letters.
Is bottom of Vessel coated with cement PART ONLY if not given.
particulars of composition CEMENT IN FOR: & AFTER PEAKS. BITUMINOUS ENAMEL IN DOUBLE BOTTOM UNDER ENGINES, & ON BOTTOM UNDER BOILER

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	10	3
Double bottom, if under Engines only,	18	24	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No. 461

Date

15 Nov/29

Dates of Surveys held while building

1929, Nov. 25 Dec 10. 12. 19. 30 1930, Jan 2. 8. 17. 22. 28 Feb. 3. 26 Mar. 11. 17. 19 21. 24 27. 28. 31. Apr. 1. 2. 3. 25. 29

Total No. of Visits 26

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

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

W. Humphreys

Manufacturer.



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0055 3/3

Lloyd's Register Foundation