

STEEL STEAMER or MOTORSHIP.

Received at London Office 21 AUG 1935

State if Report has been sent on the Freeboard of the Vessel

No

State if Report is sent on the Machinery of the Vessel

Yes

Date of completion of report 20th August 1935 Port of Newcastle on Tyne No. 92860Held at Wallsend on Tyne Date First Survey 18th July 1935 Last Survey 10th August 1935

(State if Machinery fitted Aft and if Single, Twin or Triple Screw) All welded twin screw H.S. Joseph Medill machy. aft.

Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Lake Vessel State Type of Erections Smith and F. Ele

Tons (Net) (Gross under) 1978.62 CLASS #1 For service on Great Lakes State if with freeboard B.O.T. 463. Built at Wallsend on Tyne

Owner's reply

Tonnage 2086.82 Length from fore part of stem to after part of stern L 259'-0"

Upper Deck 1978.62 Breadth (greatest moulded) B 43'-10"

Tonnage 2086.82 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 22'-0"

1st Longitudinal Number (L x D) = 1

2nd Numeral L x (B + D) = 1

Framing Depth "d" at middle of length. See Sec. 3 (1d) = 1

Proportions—Depth to Length—Uppermost continuous deck to top of keel = 1

Do. Long Bridge to top of keel = 1

Draught Moulded 13'-11 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.
MEAS. Spacing amidships	24"	✓	Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	24"	✓	" " Reversed Frame	✓	
" " in peaks	after peak 24" fore 21"	✓	" " Vertical Struts		
FRAME FRAMING.			Centre Girder, depth and thickness amidships	No Centre Girder 30 triangular plate brackets at Centre Line	
Frame Amidships, Angle, E or F	6 x 3 1/2 x 30	✓	" " top Angles	✓	
" " Deep frames in way of Hatches 10 ft apart Extends up to 11 1/2 x 36 plate with 5" flange	6 x 3 1/2 x 46 upper 5x. 11 1/2 x 36 plate with 5" flange	✓	" " bottom Angles	✓	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	None in main double bottom	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	Vessel has side tanks as shown	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	Tank top straight out. Connection to side tanks (top) transverse 10 ft apart (under) U. 1/2 x 10 ft apart having 1/2" throat	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " After Peak " F	6 x 3 1/2 x 40 to 5 x 3 x 28	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem		
Framing in Peaks, Angle	5 x 3 x 28	✓	Tank Side Brackets, height above base line at toe of frame and thickness		
Diameter and Spacing of Rivets through connection of Frame and Shell Plating amidships	1 run 3/4. One in H.S. 1/8" gauge 8" deposit 1-8-4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	37 1/2" locally at ends of Hatches	
PAINTING ARRANGEMENTS (Sec. 7), state system and particulars	Web frames & stringers including deck well stiffening as approved	✓	Thickness of remainder in Holds		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	✓		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 as applicable	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Way, Angle, E or F	4 x 2 1/2 x 30	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	Can'tilever brackets generally 10 ft apart	
Middle Line Keelson, on Floors, Angles, E or F			Spacing	f Beams 24"	
" " Through Plate or Intercoastal Plate	✓		Second Deck, amidships, Angle, E or F		✓
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or F		✓
Side Keelsons, No. each side	✓		Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F		✓
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	5 x 3 x 28	✓
Solid Floors, thickness and spacing	25" @ 24" spacing		Spacing	24"	
" " Are Frame and Reversed Frame joggled?	No		Bridge Deck, Angle, E or F		✓
Bracket Floors, breadth and thickness at middle line	✓		Spacing		
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	6 x 3 1/2 x 40	✓
			Spacing	7 x 2 1/2 x 32 24" 8 1/2"	

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PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Dep. Approved be
PILLARS, No. of Rows					
" in 'tween Decks, Size and Spacing.....					
" " " " " "					
" in Holds " "					
" " " " "					
Centre Line Bulkhead.					
Stiffeners and Spacing.....					
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells					
" " " " 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					
Second Deck.					
Stringer Plate, breadth and thickness in Wells...					
Stringer Plate, breadth and thickness in way of Bridge					
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					
Bridge Deck.					
Stringer Plate, breadth and thickness.....					
Plating, Sheathing, material and thickness					
Forecastle Deck.					
Stringer Plate, breadth and thickness.....					
Plating, Sheathing, material and thickness					

SHELL PLATING.

SCANTLINGS.					All Butts + Veed. 60.		RIVETING.		Welding		
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	No		No. OF ROWS OF RIVETS.	RIVETS. E.W.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	RIVETS. E.W.		Diam.	Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.
FLAT PLATE KEEL	36	.40	.40	.40	✓	Butt 1 run Monium No 10/9 welded 2 - 8/9 1 Back run "	10/9	8/9	Butt 1 run Monium No 10/9 welded 2 - 8/9 1 Back run "	10/9	8/9
" DBLG. (if any)	✓										
BOTTOM PLATING, No. of Strakes	A B	.375	.34	.34	✓	Butt welded as Keel Seam			Butt welded as Keel Seam		
BULGE PLATING, No. of Strakes	C	.42	.34	.34	✓	} Butt as Keel welded seam			Butt welded 1 run Monium No 10/9 2 Back run "		
	D	.36	.34	.32	✓						
SIDE PLATING, No. of Strakes	E F	.34	.34	.32	✓				Butt welded as Keel seam		
UPPER DECK, Sheer-strake in Wells	50 G	.42	.40	.48	✓	Butt welded as Keel Seam.			Butt welded as "C" Strake		
			File	Boop							
UPPER DECK, Sheer-strake in Bridge ...	✓										
STRAKE BELOW Sheer-strake in Wells	✓										
STRAKE BELOW Sheer-strake in Bridge ...	✓										
POOP SIDE PLATING28	✓	Butt 1 run Monium No 10/9 welded 1 Back run "	10/9	8/9	Butt welded as Keel Seam		
BRIDGE SIDE PLATING ...	✓										
FOREC'TLE SIDE PLATING			.30		✓	Butt 1 run Monium No 10/9 welded 1 Back run "	10/9	8/7	Butt welded as Keel Seam		

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 4

„ Deck next below *Trans O.T. to O.T. flat aft.*

As per Rule ✓

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any defects from any plans to get
Extending to Upper Deck (Sec. 3 c)	4	5 BH?				
Deck next below	One O.T. to O.T. flat aft.					
As per Rule	✓					
	Plating Thickness.	STIFFENERS.				
		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKHD, Upper tween decks	✓	2 1/2" thick				
" " Second "	✓					
" " Third "	✓					
" " Holds	28	8 x 3 1/2 x .40 L 32" ✓ See plans				
COLLISION " (in Hold)	118 1/2 x .30	8 x 3 1/2 x .50 L 6 way Cantilever BK to.				
AFTER PEAK " O.T. to flat	8 1/2 x .30	5 x 3 x .44 L 24" ✓ Semi Box Beams				
" " "	8 1/2 x .34	5 x 3 x .42 L 24"				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth process*
Appleby - Frodingham Steel Co. Ltd., Consett Iron Co. Ltd. Dorman Long, Colvilles
South Durham Steel & Iron, Steel Company of Scotland, Cargo Fleet, Skinningrove Iron Co. Ltd.
Has the Steel been tested as required by the Rules? *Yes* *Lanarkshire Steel Co. Ltd.*

EQUIPMENT NO.											LETTER				ANCHORS.		
SHIP.	Any Dept. Approved by N.	Date.	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.				
		225	1st Bower ...	30	3	0	Stocklin	29	3	3	0	50 1/2	50 1/2	Bress improved	✓	Sunderland 24.4.35	PHB
		239	2nd " ...	26	0	14	"	25	14	1	14	26	26	"	✓	" 30.4.35	PHB
			3rd " ...														
			Collective weight.	56	3	14							58 1/2				
		282	Stream	8	0	0	✓ 2 0 0	✓ 10	2	2	0	73/4	73/4	Forged hot. iron	✓	Sunderland 20.3.33	PHB

CHAIN CABLES.													HAWERS AND WARPS.					
No. of Cable.	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. Fathoms.	Diam. Ins.	Statu- tory. Tons.	Break- ing. Tons.	Supplied. Owts. qrs. lbs.	Per Rule. Owts.	Length. Fathoms.	Diam. Ins.					Length. Fathoms.	Cir. Ins.		Length. Fathoms.	Cir. Ins.	
041	180	1 7/8	47 1/2	66 1/2	340.1.7	239 1/2	180	1 7/8	Stud Link	✓	Cradley Heath 5.4.35 S.C.P.	TOWLINE...	3@90 2 3/4	15.2	3@90 2 3/4			
												HAWERS & WARPS	2@50 6"	manilla	2@50 6"	manilla		
	75	3 3/4	29.3				75	3 3/4	✓									

Steering Gear, Steam	<i>Hasties Hydraulic</i>	Steering Gear, Hand	<i>On Toot deck.</i>
Boats	<i>Two Steel lifeboats each for 21 persons</i>	Windlass	<i>Electric by Clarke Chapman</i>
Stowing in Holds, thickness and material	<i>none</i>	Cargo Battens, thickness, material and spacing	<i>none</i>
Cargo Hatchways, —(Upper Deck)	<i>Plates</i>	Thickness of Hatches	<i>3"</i>
Size of No. 1 Hatchway (Forward)	<i>30' x 26'</i>	No. 2	<i>30' x 26'</i>
	No. 3	<i>30' x 26'</i>	No. 4
	No. 5	<i>30' x 26'</i>	No. 6
Number of Shifting Beams and/or Fore and Afters	<i>4 Hatch beams to each hatch.</i>		
FOR SWAN, HUNTER, & WIGHAM RICHARDSON, L.D.			
Builder's Signature	<i>R. J. Clark</i>		

GENERAL DECLARATION. It should be stated (a) whether the vessel 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. Oil fuel having flash point not lower than $150^{\circ} F$. is carried in bunker tanks aft & in after peak. This vessel has three main holds, No 2 Hold being 92 ft. in length a double bottom and special bilge tanks extending full length of holds, & has been constructed in accordance with the approved plans, & the Secretary's letters, and generally conform with the Society's requirements for the class contemplated. The materials and workmanship are good. The weather decks & W.T. bulkheads have been tested & found satisfactory. The peak tanks, double bottom and bilge tanks & oil fuel bunkers have been tested as required by the Rules & found satisfactory.

The amount of Entry Fee £ 6 : 0 : 0
Special Survey Fee.... £ 179 : 7 : 0
Travelling Expenses, if any £ : / :
Fees applied for, 20 AUG 1935
Received by me, 31.8 1935

I am of opinion the Vessel should be Classed + A1
For Service on the Great Lakes and
Only of St Lawrence (up to October 31st)
at an extreme draught of 14 feet.

state whether the Vessel has been built under Special Survey

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

Committee's Minute

TUE. 27 AUG 1935

Character assigned

十人

White Birch

For Service on the Great Lakes
& Gulf of St. Lawrence

" Boiler (from Apr to Oct) at an Extreme draft of 14 feet.
" Fire "Electrically welded" + Am. 8-35

Cargo battens not fitted
Lloyd's avcp

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Lloyd's Register
Foundation

2/2 W47S'-0001

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.)

A freeboard giving draught of 13-0½ T.K. has been assigned by the Board of Trade for the loaded voyage out.

This Vessel is of all welded construction, Quasi Arc electrodes being used throughout of No 10 & 8 gauge. Shell, decks, bulkheads, & plating generally have been butt welded at a 60° angle of Vee being used. Stiffening members generally, including floors, have been continuously welded in all ballast spaces, but intermittent welded clear of same, as for example frames, beams &c. Chromium electrodes have been used for welded the shell & upper deck plating, also for important bonded connections such as transverse W.T. bulk heads, to shell &c. In other parts as for example tank top, bulk head, poop & side decks & the attachments of stiffening members generally, mild steel electrodes have been used.

The approved plans (23 in number) including midship Sec and profile as built, also forging certificates are sent herewith.

Note See also NWC. letter of 20th August 1935 re docking of Vessel in loaded condition.

W.T.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Excluding pin		Including pin		No	ft.	in.
		lbs.	grs.	lbs.	grs.			
	1st Bower	17	1	2	19	0	0	3.4.35
	2nd "	14	2	20	16	1	7	11.4.35
	3rd "							

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ^{Sunk at side 17-3-3} ft., R.Q.D. ^{Centre 17-9} ✓ ft., Bridge ^{Sunk at side 31-0} ft., Forecastle ^{Centre 28-6} ✓ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ^{Sunk Poop & side only.}

No. and Material of Decks (This information is to be given as it should appear in the Register Book)

Electrically welded.

1 SK (SK)

Official No. ✓ : Signal Letters ✓

Is bottom of Vessel coated with cement ^{E.A. fresh water to cement washed} if not given particulars of composition

Double bottom & fore peak coated with "no-oxidising Bitumast" & Bilg tanks with "Kronolin". After peak coated with oil.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, No 2 tank 19-65 ft.	92.0'	218.6	Fore peak tank,	34.0	160.0
Double bottom, under Engines and Boilers,			After peak tank,	10.0	53.8
Double bottom, if under Engines only, at side	16.0	22.8	Deep tank, aft, O.F. Bunkers 9.5. aft	10.0	50.6
Double bottom, if under Boilers only,			After peak as O.F. Bunkers		52.0
Double bottom, forward, No 1 tank 65-118 ft.	106.0'	246.5	Deep tank, forward,		
			Other tanks, if fitted, Bilge tanks No 1 & 2. 9.5.	198.0'	264.0
			(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. 5488

Date 2 March 1935

Dates of Surveys held while building

1935.

Feb. 18, 20, 25, Mar. 6 (2) 18, 26, 28, Apr. 2, 12, 16, 24, May. 3, 7, 10, 15, 17, 20 (2) 21, 24, 27, 28, 29, 30, June. 3, 5, 7, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, 24, 25, July. 1, 2, 4, 8, 12, 18, 22, 23, 26, 29, 30, Aug. 8, 9, 10

Total No. of Visits 56