



34836

STEEL STEAMER OR MOTORSHIP.

Received at London Office 6 JAN 1956

DISCLOSED
SECTIONState if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *yes*DISCLOSED
SECTIONNo. 1140
No. 61827Date of completion of report *29th December 1955*Port of *HULL*Survey held at *Thorne*Date First Survey *13. 1. 55.*Last Survey *25. 1. 1955*On the (State if Machinery fitted *and* if Single, Twin or Triple Screw) *Single Screw "ONWARD PIONEER"**Machinery aft*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Tanker*State Type of Erections *Hush deck with trunk*TONNAGE under Tonnage Deck *141.84*CLASS *100A1 for Coasting Service* State if with freeboard as condition of Class *yes*Do. of space or spaces between Tonnage Dk. and Upper Dk. *-*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *117.25*Total *-*Breadth (greatest moulded) *18.50*Gross Tonnage *164.26*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *8.00*Register Tonnage *82.88*1st Longitudinal Number (L x D) *=*2nd Numeral L x (B + D) *=*Framing Depth "d" at middle of length. See Sec. 3 (1d) *=*Proportions—Depth to Length—Uppermost continuous deck to top of keel *=*Do. Long Bridge to top of keel *=*Draught Moulded *Design 6.60'; Assigned 6.63'*Built at *Thorne*Launched *17th August 1955* Yard No. *910*Builders *Richard Dunston Ltd.**Fleetwood Tankers Ltd.*Owners *Boston Deep Seafishing & Ice Co.*

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry *Lowestoft*If surveyed while building, afloat, or in dry dock *yes.*

REGISTERED DIMENSIONS.

FEET

Length *117.00*Breadth *18.55*Depth *8.10*

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.....	—	—	Bracket Floors, Frame	—	—
" " from <i>29</i> length amidships to Collision bulkhead.....	20 <i>8 14</i>	—	" " Reversed Frame.....	—	—
" " in peaks	F.P. 14 A.P. 21	—	" " Vertical Struts	—	—
SIDE FRAMING.			Centre Girder, depth and thickness amidships	—	—
Frame Amidships, Angle, [or [—	—	" " top Angles	—	—
" " Extends up to.....	—	—	" " bottom Angles.....	—	—
Reversed Frame Amidships, Angle	—	—	Side Girders, No. each side and thickness.....	—	—
" " Extends up to	—	—	Margin Plate depth (excl. of flange) and thickness	—	—
Depth of Framing Girder.....	—	—	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	—	—
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	—	—	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	—	—
" " Second 'tween Decks, Angle, [or [.....	—	—	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem.....	—	—
" " Third " " " "	—	—	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	—	—
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	4 x 3 x $\frac{5}{16}$ 1.0-A. ✓	—	Tank Side Brackets, height above base line at toe of Frame and thickness	—	—
" " in Peaks, Angle or [.....	F.P. 4 x 3 x $\frac{5}{16}$ 1.0-A. ✓ A.P. 3 x 2 $\frac{1}{2}$ x $\frac{5}{16}$ 1.0-A. ✓	—	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	welded direct ✓	—	Breadth and thickness of Middle Line Strake...	—	—
State if Frame Joggled.....	no ✓	—	Thickness of remainder in Holds	—	—
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓	—	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?.....	—	—
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	yes ✓	—	BEAMS.		
SINGLE BOTTOM at ends.			Uppermost Continuous Deck, amidships in Wells, Angle, [or [.....	—	—
Floors, Depth and thickness at mid-line in Holds.....	E.R. 29 x $\frac{3}{8}$; Hold 12 x $\frac{5}{16}$ ✓	—	" " in way of Bridge, Angle, [or [.....	—	—
Height of Brackets at side above base line at toe of frame.....	none ✓	—	Spacing	—	—
Middle Line Keelson, on Floors, Angles, [or [.....	—	—	Second Deck, amidships, Angle, [or [.....	—	—
" " Through Plate or Inter-costal Plate	32 ✓	—	Spacing	—	—
" " Foundation Plate on Floors	8 x $\frac{3}{8}$ ✓	—	Third Deck, amidships, Angle, [or [.....	—	—
" " Flat Plate Keel Angles	EW ✓	—	Spacing.....	—	—
Side Keelsons, No. each side.....	One ✓	—	Fourth Deck, amidships, Angle, [or [.....	—	—
" " thickness of Intercoastal Plate	7rd 32 with 8 x $\frac{3}{8}$ foundation plate ✓ Aft 50 " 15 $\frac{1}{2}$ x $\frac{3}{4}$ " ✓	—	Spacing.....	—	—
" " Angles	welded direct ✓	—	Poop Deck, Angle, [or [.....	—	—
DOUBLE BOTTOM.			Spacing.....	—	—
Solid Floors, thickness and spacing	—	—	Bridge Deck, Angle, [or [.....	—	—
" " Are Frame and Reversed Frame joggled?	—	—	Spacing.....	—	—
Bracket Floors, breadth and thickness at middle line	—	—	Forecastle Deck, Angle, [or [.....	—	—
" " breadth and thickness at margin plate	—	—	Spacing.....	—	—

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Lloyd's Register
Foundation

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. non-W.T.			Third Deck.	-
Stiffeners and Spacing	longitudinals 1 @ 3 x 5/16 F.B. spaced 3 @ 3 x 3/8 F.B. 1'-8" 2 @ 5 x 5/16 F.B.		Stringer Plate, breadth and thickness.....	-
Plating, thickness of 1/4"	Transverse 12 x 5/16 with 3 x 3/8 face flat spaced 6'-4" & 7'-4"		If Plated, state thickness	-
STRINGERS AND DECKS.			Fourth Deck.	-
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	-
Stringer Plate, breadth and thickness in Wells	4 9 1/2 x 5/16		If Plated, state thickness.....	-
" " " " in way of Bridge	-		Poop Deck.	-
" Angle in Wells	E.W. direct		Stringer Plate, breadth and thickness.....	-
Thickness of Plating abreast Deck openings in way of Wells TRUNK TOP	30		Plating, Sheathing, material and thickness ...	-
Thickness of Plating abreast Deck openings in way of Bridge TRUNK SIDES	30		Bridge Deck.	-
Thickness of Plating within line of openings...	-		Stringer Plate, breadth and thickness.....	-
If Sheathed, material and thickness.....	not sheathed		Plating, Sheathing, material and thickness ...	-
Second Deck.			Forecastle Deck.	-
Stringer Plate, breadth and thickness in Wells	-		Stringer Plate, breadth and thickness.....	-
			Plating, Sheathing, material and thickness...	-

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 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.....	40	✓ .42	✓ .42	✓ .42									
„ Dblg. (if any)	-	-	-	-									
Bottom Plating, No. of } A	63	✓ .34	✓ .34	✓ .34									
Strakes1.....													
Bilge Plating, No. of } B	48½	✓ .34	✓ .34	✓ .34									
Strakes1.....													
Side Plating, No. of } C	-	-	-	-									
Strakes1.....													
Upper Deck, Sheer- } C	64	✓ .34	✓ .34	✓ .34									
strake in Wells.....													
Upper Deck, Sheer- } C	-	-	-	-									
strake in Bridge ...													
Strake below Sheer- } C	-	-	-	-									
strake in Wells.....													
Strake below Sheer- } C	-	-	-	-									
strake in Bridge ...													
Poop Side Plating.....	-	-	-	-									
Bridge Side Plating.....	-	-	-	-									
Forecastle Side Plating	-	-	-	-									

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—
Extending to Upper Deck (Sec. 3 c) 8
,, Deck next below —
As per Rule 3

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	-	-		
STEM		rolled 6 x 2 1/2	-	✓
STERN FRAME		Plate 2 1/4" thick Builders		
Propeller Post		none	5 x 2 1/2" See plan	
Rudder		10 knots		✓
Speed of Vessel		Semi-balanced		✓
RUDDER—Type		18.78 sq. ft		✓
A x D.		3 1/4 diam Builders		✓
Diam. of head		Bright steel 4" dia Builders		✓
Mainpiece at top pintle		bar		
heel		electric welded		✓
how constructed		Double 36		✓
double or single plate		Horizontal		✓
coupling, vertical or				
horizontal				

STEEL.

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

Appleby Frodingham Steel Co. Ltd, Scunthorpe

Has the Steel been tested as required by the Rules? Yes

Lloyd's Register
Foundation

Rpt. 1*

"ONWARD PIONEER"

PARTICULARS OF LONGITUDINAL FRAMING in way
of Cargo Tanks.

6 JAN 1956

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.					
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.	
Framing of L, L or C														
Frames in Bridge 'tween Decks ...														
Frames from Uppermost Continuous Deck														
No. 1		3 x 7/16	F.B.											
" 2		3 x 2 1/2 x 3/4	1.0.A.											
" 3		3 1/2 x 3 x 3/4	1.0.A.											
" 4		4 x 3 x 3/8	1.0.A.											
" 5		4 x 3 x 3/8	1.0.A.											
" 6		4 x 3 x 3/8	1.0.A.											
" 7		4 x 3 x 3/8	1.0.A.											
" 8		4 x 3 x 3/8	1.0.A.											
" 9		C.L. bulkhead												
" 10														
" 11														
" 12														
" 13														
" 14														
" 15														
" 16														
Spacing of Longitudinal Frames		Amidships			At Ends									
		1' - 9 3/4"			-									
Tank Top Longitudinals														
Bottom														
Amidships														
At ends...														
Transverses.														
Side 'tween Decks		Depth and Thickness												
		Face Angles												
		Lugs to Shell*												
Side Hold		Depth and Thickness			12" x 3/4"									
		Face Angles			flat									
		Lugs to Shell*			E.W. direct									
Bottom		Depth and Thickness			12" x 3/4"									
		Face Angles			3 x 3/8									
		Lugs to Shell*			E.W. direct									
Back Bars														
Brackets		Transverses continuous			18" radius at bilge, 21" at centre (p.s.), 18" at centre (s.s.)									
Spacing of Transverse Frames		6'-4" in nos 1 & 2 tanks, 7'-4" in nos. 3 & 4 tanks.												
		* State if joggled or liners.												
Longitudinal		Bridge Deck												
Frames of		Upper			4 x 7/16 F.B.									
or C		Trunk Top			4 x 5/16 F.B.									
		Trunk Sides			4 x 5/16 F.B.									
		Third												

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

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

Lloyd's Register
Foundation

0086 2/3

+ LMC 11.55 (with Transverse 8.15)

HAWSERS AND WARPS

0086^{3/3}

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.)

The following plans forwarded herewith :-

As Fitted.
Body Steelwork
General Arrangement
Pumping & Ventilation

As Approved
Midship Section
Steelwork at Ends
Rudder & Sternframe
Casing
Mid-Body Steelwork
Engine Lifting
Steering Gear
Counter

Forging & Casting Certificates forwarded herewith include the following :-
(See accompanying List)

Rise of floor 2 ins.

Bulkhead No. 18, dividing Engine & Pump Rooms, fitted with non-W.T. hinged steel door, operable from both sides, having one clip and wedge fastener.

PARTICULARS OF ELECTRIC WELDING (if employed) Electric welded throughout

SPECIAL NOTATIONS :- Either as part of the vessel's class or for record in the Register Book
"Longitudinal framing in way of cargo tanks"; "Centre bulkhead non-oiltight"; "Electric welded"; "Lloyds' A & C.P."

RADAR Equipment (State if fitted) Not fitted.

State Type or Pattern No.

State Name of Maker and/or Supplier

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

1st Bower	3 cwt	0 qrs	18 lbs	A.E.G.	No. 9461	9/12/54
2nd "	3 cwt	0 qrs	18 lbs	A.E.G.	No. 9463	9/12/54
3rd "						

PARTICULARS FOR RECORD in the REGISTER BOOK. - Length of Poop - ft., R.Q.D. - ft., TRUNK Bridge 54.7 ft., Forecastle - ft.

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

Official No. 185304 Signal Letters Extreme Breadth over Belting 18.9 ft Over-all Length 121.7 ft
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One ; Steel.

Parts of Bottom of Vessel coated with cement or approved composition In Engine Rm two coats red lead on bottom ;
Pump Rm, under hold ceiling and under cabin floor two coats black varnish.

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.)

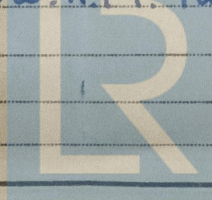
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		10.40
Double bottom, under Engines and Boilers,			After peak tank,		11.00
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 2726

Date 18.10.54

Dates of Surveys held while building

1954 Jan 15, Feb 1, 8, 17, 23, Mar 4, 15, 30, Apr 1, 21, May 10, June 27,
July 7, 19, Aug 17, Sept 26, Oct 11, 19, Nov 3, 14, 23



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Total No. of Visits 21