

STEEL STEAMER or MOTORSHIP.

W186-0197(1/3)

Received at London Office. AUG 28 1938

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*Date of completion of report *15th August 1938*Survey held at *WallSEND on Tyne*Date First Survey *31st Aug 1937*Last Survey *9 Aug.*19 *38*On the *Single Screw**Carriere**machinery aft*State Type *Full Scantling*State Type of Erections *Prop. Bridge*TONNAGE under Tonnage Deck... *5141.24*CLASS *+100 A.1* State if with freeboard *No*Built at *WallSEND on Tyne*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) *L 410*Launched *2nd June 1938*Yard No. *1555*Total *5141.24*Breadth (greatest moulded) *B 53.54*Builders *Swan Hunter & Thigham*Gross Tonnage *5684.85*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 30.75*Owners *Trinidad Leaseholds Ltd.*Register Tonnage *3230.65*1st Longitudinal Number (L x D) *= 12608*Managers *✓*2nd Numeral L x (B + D) *= 34559*

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

REGISTERED DIMENSIONS.

Length *415.0*Framing Depth "d" at middle of length. See Sec. 3 (1d) *13.33*Residence *✓*Breadth *53.8*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.33*Port of Registry *London*Depth *30.6*Do. Long Bridge to top of keel *25-7 1/2*

If surveyed while building, afloat, or in dry dock

While building

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	30	✓	Bracket Floors, Frame		
Fore Cofferdam	27	✓	Reversed Frame	✓	
from 1/2 length to Collision bulkhead			Vertical Struts		
in peaks	24	✓	Centre Girder, depth and thickness amidships	40 x 42	✓
For longitudinal framing See Report 1*			top Angles	3 1/2 x 3 1/2 x 42	56lb ✓
SIDE FRAMING.			bottom Angles	4 x 4 x 50	56lb ✓
Frame Amidships, Angle E or L	9 x 3 1/2 x 37 1/2	✓	Side Girders, No. each side and thickness	As approved.	✓
Extends up to	Upper deck	✓	Margin Plate depth (excl. of flange) and thickness	H.S. only	✓
Reversed Frame Amidships, Angle		✓	Vertical Angle to Tank side	Tank top	✓
Extends up to		✓	Bracket abaft 1/2 len. from stem	Straight across	✓
Depth of Framing Girder	9	✓	Vertical Angle to Tank side	in H.S.	✓
Frames in Uppermost Continuous tween Decks, Angle, E or L		✓	Bracket forward 1/2 len. from stem		✓
Second tween Decks, Angle, E or L		✓	Gussets, spacing and scantling abaft 1/2 len. from stem		✓
Third		✓	Gussets, spacing and scantling forward 1/2 len. from stem		✓
Framing in Peaks, Angle or L	8 x 3 1/2 x 35	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	5 1/2 x 42 lb wings	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 4 1/8	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Long joggle	✓	Breadth and thickness of Middle Line Strake	in H.S.	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	web frames and side stringers as per plans.	✓	Thickness of remainder in H.S.	56 x 10	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	AFC Strakes shell plating 1/2 L to fore Cofferdam increased to 65 then 68 to about fore peak bulkhead.	✓	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	✓
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	B Strake 72 (minus regl.) from 1/2 L to fore Cofferdam then 68 to fore peak bulkhead.	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or L	longitudinals See Report 1*	✓
Height of Brackets at side above base line at toe of frame		✓	in way of Bridge, Angle, E or L	in each wing tank	✓
Middle Line Keelson, on Floors, Angles, E or L		✓	Spacing	Two upper struts	6 x 3 1/2 x 40
Through Plate or Intercoastal Plate		✓	Second Deck, amidships, Angle, E or L	Two lower struts	6 x 3 1/2 x 50
Foundation Plate on Floors		✓	Spacing	10 x 3 1/2 x 3 1/2	50/56
Flat Plate Keel Angles		✓	Third Deck, amidships, Angle, E or L		✓
Side Keelsons, No. each side		✓	Spacing		✓
thickness of Intercoastal Plate		✓	Fourth Deck, amidships, Angle, E or L		✓
Angles		✓	Spacing		✓
DOUBLE BOTTOM.			Poop Deck, Angle, E or L	7 x 3 x 33	✓
Solid Floors, thickness and spacing	in H.S. 40 x 52 @ 30	✓	Spacing	5 8 x 3 x 40	✓
Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, E or L	7 x 3 x 34	✓
Bracket Floors, breadth and thickness at middle line		✓	Spacing	30	✓
breadth and thickness at margin plate		✓	Forecastle Deck, Angle, E or L	8 x 3 x 35	✓
		✓	Spacing	7 x 3 x 33	✓
		✓		27 x 24	✓

PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	<i>At ends & Bridge as approved ✓</i>		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
Two long Centre Line Bulkhead <i>Every.</i>	<i>9 x 3 1/2 x .375 @ 30 ✓</i>		Third Deck.
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....
Plating, thickness of	<i>Every. .42 ✓ Rule top, stroke .38 ✓</i>		If Plated, state thickness.....
STRINGERS AND DECKS.			Fourth Deck.
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....
Stringer Plate, breadth and thickness in Wells	<i>81 x .62 .90 ✓ Rule .74 ✓</i>		If Plated, state thickness
„ „ „ „ in way of Bridge	<i>At poop front } .74 ✓</i>		Poop Deck.
„ Angle in Wells	<i>6 x 6 x .62 ✓</i>		Stringer Plate, breadth and thickness
Thickness of Plating abreast Deck openings) in way of Wells	<i>.62 ✓ Rule .48 to .61 ✓</i>		Plating, Sheathing, material and thickness ...
Thickness of Plating abreast Deck openings) in way of Bridge			Bridge Deck.
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...
Second Deck.			Forecastle Deck.
Stringer Plate, breadth and thickness in Wells...	<i>At Ends only ✓</i>		Stringer Plate, breadth and thickness.....
			Plating, Sheathing, material and thickness ..

SCANTLINGS.				RIVETING.							
STRAKES.	AS IN VESSEL.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES. State if Joggled?		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	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	50 1/2	.90	.69	.69		5/16	4	5	1	3 2/3	overlap
" DELG. (if any)	B	.65	.68	from 5 L	Collision Bts.						
BOTTOM PLATING, No. of Strakes	A	.59	.58	.50	.50	5/8	3 1/2	4 to 3	7/8	3 1/2	"
BILGE PLATING, No. of Strakes	C	.65	.62	.68	.61	5/8	3 1/2	4 to 3	"	3 1/2	"
SIDE PLATING, No. of Strakes	D	.59	.51	.48	.50	"	"	4 to 3	"	3 1/2	"
UPPER DECK, Sheer-strake in Wells	E	.59	.46	.50	.50	"	"	3	"	3 1/8	"
UPPER DECK, Sheer-strake in Bridge	F	.88	.86	.86	.86	"	1	3 3/4	5-3	1	4
STRAKE BELOW SHEER-strake in Wells	G	.65	.47	.46	.46	(main 5/8)	3 1/2	4-3	7/8	3 1/2	"
STRAKE BELOW SHEER-strake in Bridge	H	.40	.41	.41	.41	Single	3/4	3	2 to 1	3/4	2 5/8
POOF SIDE PLATING	I	.40	.41	.41	.41	"	3/4	3	Single	"	"
BRIDGE SIDE PLATING	J	.40	.41	.41	.41	"	3/4	3	Single	"	"
FOREC'TLE SIDE PLATING	K	.40	.41	.41	.41	"	3/4	3	Single	"	"

FORGINGS and CASTINGS.

	Plating Thickness.	STIFFENERS.				Speed of Vessel.....	Rudder.....	FRAME.....
		VERTICAL.		HORIZONTAL.				
		Scantlings.	Spacing.	Scantlings.	Spacing.			
MIDSHIP BULKHEAD.	Top Strake wing Centre 40 38 9 3/4 = 42 33 wing 40 49 9 3/4 = 37 5 1/2 Centre	38 9 3/4 = 42 33 wing 49 9 3/4 = 37 5 1/2 Centre	38 9 3/4 = 42 33 wing 49 9 3/4 = 37 5 1/2 Centre	38 9 3/4 = 42 33 wing 49 9 3/4 = 37 5 1/2 Centre	42 3/4 = 40 1/2 42 3/4 = 40 1/2	A x D 140 x 3 7/8 = 5-31	12 knots estimated 11 1/2	12 knots estimated 11 1/2
"	Second	40 38	40 38	40 38	40 38	40 38	40 38	40 38
"	Third	40 38	40 38	40 38	40 38	40 38	40 38	40 38
"	Holds	40 38	40 38	40 38	40 38	40 38	40 38	40 38
COLLISION	(in Hold)	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2	15 1/2 30 1/2 37 1/2 44 1/2
AFTER PEAK		8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2	8 1/2 33 1/2 40 1/2 47 1/2
STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). Dorman Long & Co. Newcastle Iron Co. Cargo Steel Co. Steel Co. of Scotland, Skinningrove Iron Co. Colvilles, South Durham Steel & Iron Co. Appleby Frodingham Steel Co. Lanchashire Has the Steel been tested as required by the Rules? Yes							

Newcastle-on-Tyne
No. 96584

[illegible]

500.1237—T

Fitted for oil fuel 8.38 F.P. above 150 F

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EQUIPMENT No 36364 LETTER 3 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.
37602 1st Bower ... 61 1 21 49 3 3 0 182 cwt. 17 1/2
37601 2nd ... 61 1 0 49 0 2 14
37600 3rd ... 61 1 0 49 0 2 14
Collective weight. 183 3 21
97024 Stream ... 17 2 7 4 1 25 18 14 1 14

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.
89019 270 1 1/16 9 1/2 132 1/2 39.2.2 270 1 1/16 15 1/2 S. Taylor & Sons. 26.3.38 J. H. Kelly TOWLINE... 120 5 52.8 120 5
HAWSERS & WARPS 2090 2 3/4 15.2 2090 2 3/4
2090 2 1/2 13.2 2090 2 1/2
120 3 3/4 25.7
120 2 3/4 17.7

Steering Gear, Steam. Haskie's Hydraulic (4 rams) Steering Gear, Hand. Hand gear on poop.
Boats 2. 1 wood dinghy. Steering Chains, Size and Test. Windlass. Clarke Chapman's Steam.
Ceiling in Holds, thickness and material. Cargo Batten, thickness, material and spacing. 6 x 2 wood 9" between.
Cargo Hatchways.-(Upper Deck). 18' x 14' forward. Thickness of Hatches. Steel covers.
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.
FOR SWAN, HUNTER, & WIGHAM RICHARDSON, LD.
Builder's Signature. R. J. Clark

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. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.
Oil fuel having flash point above 150°F is carried in fore deep tank also in side bunkers port & starboard. & double bottom aft.
This vessel has been constructed in accordance with the approved plans & the Secretary's letters & generally conforms with the Society's Rules for the Class Contemplated.
The materials & workmanship are good. The weather decks clear of oil tanks & W.T. bulkhead above peak have been tested & found satisfactory.
The peak tanks, all cargo tanks, deep tank forward, oil fuel bunkers, cofferdams, & double bottom tanks in machinery space have been tested as required by the Rules & found satisfactory.
The requirements of Section 20 of the Rules for Steel Ships, where

The amount of Entry Fee ... £ 9. Fees applied for. 22 AUG 1938. Received by me, 1/9 1938. I am of opinion the Vessel should be Classed + 100 A1 Carrying petroleum in bulk. H. G. A. Keeler.
State whether the Vessel has been built under Special Survey. in duplicate. Certificate to be sent to. Newcastle. Date of issue. 16/9/38.
Committee's Minute. FRI 2 SEP 1938. Character assigned. + 100A1 Carrying petroleum in bulk. Lloyd's A+CP. Fitted for oil fuel 8.38 F.P. above 150°F. F.D. C.L. Spt.

W186-0197 (313)
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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.)

applicable, for the Carriage of oil fuel. Have been carried out. The assigned freeboards have been marked on vessel's sides, verified & cut in.

The approved plans (23 in number) & Certificates are sent herewith, also midship section and profile & decks as built.

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

bulk. ✓ Cruiser Stern.

Longitudinal framing at bottom & deck. ✓

Carrying petroleum in

with fin

C. W. lbs.

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

1st Bower
2nd "
3rd "

C. W. lbs.

35-0-2

34-3-26

34-3-6

N^o 2540

N^o 2489

N^o 2593

Q.R.

Q.R.

Q.R.

27-9-37

20-8-37

3-9-37

38-2-21

38-2-14

38-1-21

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 110.5 ft., R.Q.D. ✓

ft., Bridge 31 ab side ✓ 56.75 ft., Forecastle

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

Poop, Bridge and Over-all Length 430'-7" ✓

No. and Material of Decks

1st 5x (8L) 2nd 5x (8L)

clear of cargo tanks. ✓

Official No. 166530; Signal Letters

Is bottom of vessel coated with cement

In bottom of peak tanks only if not give

particulars of composition

Peak tanks, feed water & dry tank Covered with bituminous solution & enamel. No coating in oil carrying tanks. pl asp.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	20.75	110 ✓
Double bottom, under Engines and Boilers,	46.5	105 SW	After peak tank,	16.0	50 ✓
Double bottom, if under Engines only,	30.0	44.7 SW	Deep tank, aft,	42.75	260 @ 35
Double bottom, if under Boilers only,	15.0	36.5 @ 40	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(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. 5552

Date

6.9.37.

Dates of Surveys held while building

1937 Aug. 31, Sep. 7, 10, 22, 30, Oct. 4, 6, 8, 13, 16, 26, 28, Nov. 2, 5, 12, 16, 22, 23, 25, 30, Dec. 3, 7, 10, 17, 21, 22, 28, 30, 1938 Jan. 5, 7, 11, 12, 18, 26, Feb. 1, 3, 4, 8, 9, 15, 17, 18, 21, 22, 23, 25, Mar. 2, 4, 7, 10, 11, 14, 15, 16, 17, 18, 22, 25, 29, Apr. 1, 5, 8, 11, 14, 20, 25, 28, 29, May 2, 3, 4, 6, 9, 10, 11, 12, 13, 16, 17, 18, 19, 20, 23, 24, 25, 26, 27, 30, 31, June 2, 9, 17, 27, July 1, 6, 18, 20, 26, 27, 28, Aug. 2, 4, 9.

Total No. of Visits 103

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