

STEEL STEAMER or MOTORSHIP.

13.
13 DEC 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 *Yes*

Date of completion of report

10 Dec 1930

Port of

HULL

No. 41445

Survey held at *Knottingley*

Date First Survey

22 April

Last Survey

1 Dec

1930

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Steel Single Screw Motor Tanker "Constance H"

(Indy. aft.)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections R.O. & F.C.

TONNAGE under Tonnage Deck...

118.75

CLASS +100A1

State if with freeboard

No

Built at *Knottingley*

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 120-0

Launched Sept. 17th 1930 Yard No. 38

Total

118.75

Breadth (greatest moulded)

B 17-0

Builders *John Harker Ltd.*

Gross Tonnage

155.31

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 7-9

Owners *John Harker Ltd.*

Register Tonnage

57.09

1st Longitudinal Number (L x D) = 930

Managers *John Harker Ltd.*

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

2nd Numeral L x (B + D) = 210

REGISTERED DIMENSIONS.

FEET.

Length

119.9

Breadth

17.1

Depth

7.15

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

7-2 1/2

Residence *Knottingley*

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

1:15.7

Port of Registry *Hull*

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	20		Bracket Floors, Frame		
" " from 3/8 length to Collision bulkhead	20		" " Reversed Frame		
" " in peaks	20		" " Vertical Struts		
SIDE FRAMING.			Centre Girders, depth and thickness	30	
Frame Amidships, Angle	4 2 1/2 .32		" " top Angles	3 3 .30	
" " Extends up to	deck		" " bottom Angles	3 3 .30	
Reversed Frame Amidships, Angle	2 1/2 2 1/2 .25		Side Girders, No. each side and thickness	one .26	
" " Extends up to	across floors		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	4		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, [or [			" " 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	4 2 1/2 .32		Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 3 3/4 (in way of oil)		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	30	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Intermediate frames fitted 56 to 68 ft. midship shell thickness on bottom closer riveting.		Thickness of remainder in Holds	26	
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?		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	12 .25		Uppermost Continuous Deck, amidships	4 2 1/2 .30	
Height of Brackets at side above base line at toe of frame	none		" " in way of Bridge, Angle, [or [	3 2 1/2 .30	
Middle Line Keelson, on Floors, Angles, [or [			Spacing	even	
" " Through Plate or Intercoastal Plate	See Centre line		Second Deck, amidships, Angle, [or [
" " Foundation Plate on Floors	Freeboard		Spacing		
" " Flat Plate Keel Angles	one		Third Deck, amidships, Angle, [or [
Side Keelsons, No. each side	26		Spacing		
" " thickness of Intercoastal Plate	5 3 .30		Fourth Deck, amidships, Angle, [or [
" " Angles	on floors		Spacing		
DOUBLE BOTTOM. Deep Tank for			Poop Deck, Angle, [or [
Solid Floors, thickness and spacing	12 .25		Spacing		
" " Are Frame and Reversed Frame joggled?	No		Bridge Deck, Angle, [or [
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or [	4 2 1/2 .30	
			Spacing	every	

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. <i>bilge</i>					Third Deck.				
Stiffeners and Spacing.....	5	3	.34	@ 20"	Stringer Plate, breadth and thickness.....		✓		
Plating, thickness of .....	.30	-	.26		If Plated, state thickness.....				
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....		✓		
Stringer Plate, breadth and thickness in Wells	44	28	.40		If Plated, state thickness				
„ „ „ „ in way of Bridge					Poop Deck.				
„ Angle in Wells	42	42	.30	in way of oil elsewhere.	Stringer Plate, breadth and thickness		✓		
Thickness of Plating abreast Deck openings in way of Wells	3	3	.30		Plating, Sheathing, material and thickness ...				
Thickness of Plating abreast Deck openings in way of Bridge					Bridge Deck.				
Thickness of Plating within line of openings...	.28				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...		✓			Stringer Plate, breadth and thickness.....	.30			
					Plating, Sheathing, material and thickness ...	.26	5x22 P.P.		

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>ho.</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.				Inches.					Inches.
FLAT PLATE KEEL	<i>54</i>	<i>.40</i>	<i>.40</i>	<i>.34</i>		<i>double</i>	<i>5/8</i>	<i>8 ins at frame in three</i>		<i>3/4</i>	<i>2 7/8</i>	<i>lapped</i>	
„ DBLG. (if any)			✓										
BOTTOM PLATING, No. of Strakes		<i>.30</i>	<i>.30</i>	<i>.30</i>	<i>.30 - .26</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>two</i>	<i>5/8</i>	<i>2 1/4</i>	<i>1</i>	
BILGE PLATING, No. of Strakes		<i>.30</i>	<i>.30</i>	<i>.30</i>	<i>.30 - .26</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	
SIDE PLATING, No. of Strakes			✓										
UPPER DECK, Sheer- strake in Wells	<i>39</i>	<i>.30</i>	<i>.30</i>	<i>.30</i>	<i>.30 - .26</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	
UPPER DECK, Sheer- strake in Bridge ...)			✓										
STRAKE BELOW Sheer- strake in Wells		<i>.30</i>	<i>.30</i>	<i>.30</i>	<i>.30 - .26</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	
STRAKE BELOW Sheer- strake in Bridge ...)			✓										
POOP SIDE PLATING			✓										
BRIDGE SIDE PLATING ...			✓										
FORE'C'TLE SIDE PLATING			<i>.30</i>			<i>4</i>	<i>4</i>	<i>4</i>	<i>one</i>	<i>4</i>	<i>4</i>	<i>4</i>	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	2 W.T.	7 O.T.
„ Deck next below		
As per Rule	2 W.T.	7 O.T.

FORGINGS and CASTINGS.

	Casting or Forging.	Scanlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar			✓	
STEM				Roller 6 x 4 1/2 Cousett 5 x 1 3/8
STERN FRAME {	Propeller Post	Forging 5 x 2 1/2	Emerson Walker	
	Rudder	5 x 2 1/2		
RUDDER—A x D			✓	
Speed of Vessel			✓	
RUDDER mainpiece at head	Forging	3 3/4	Emerson Walker	
" " heel		3		
" how constructed	forged & built			
" double or single plate coupling, vertical or horizontal		single 70		
		none		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD,	Upper tween decks					
"	"	Second				
"	"	Third				
"	"	Holds				
COLLISION	"	(in Hold)				
AFTER PEAK	"	"				

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth process*
Consett & Co. : Rotherham Iron Co. : Appleby & Co.
Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No				LETTER <i>b</i>				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
45800	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
45801	2nd "	5	1	14	✓			7	14	0	7
	3rd "	5	1	7	✓			7	14	0	7
	Collective weight.	10	2	21							
45802	Stream	1	1	6	-	1	10	3	13	0	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.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
45164	120	3/4	10 1/8	15 1/8	37.0.0	34.2		120	1 1/16	Stud	J. Green & Co.	C.H.; 25/9/30; Paul.	TOWLINE	75	6		75	6 1/4
													HAWSERS & WARPS	90	4		90	4
Iron Stream Chain Steel Wire	45	2		8.3				45	9/16									

Steering Gear, Steam ✓

Steering Gear, Hand efficient

Boats one, good

Steering Chains, Size and Test

9/16" 3.15.0.0

Windlass hand, efficient.

Ceiling in Holds, thickness and material

None

Cargo Battens, thickness, material and spacing

none

Cargo Hatchways. (Upper Deck) 2'0" x 2'6", 9" B.A. Coaming's O.T. Thickness of Hatches 1/2 plate.

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

John Harker L^{td}
E. K. Shirkettle
manager.

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 ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

Fuel oil is carried in separate small tanks in the Engine Room (not built in tanks) flash point above 150°F.

This vessel has been built in accordance with the approved plans and instructions and in conformity with the Rules for the class contemplated.

The materials and workmanship are satisfactory.

A freeboard has been assigned and the marks on the vessel's sides verified.

The peaks, deep tank, cofferdams and cargo tanks have been tested in accordance with Rule requirements and found satisfactory.

The decks, windlass and steering gear have been satisfactorily tested.

The amount of Entry Fee £ 2 : 0 : 0

Fees applied for,

11 Dec 1930

Special Survey Fee.... £ 30 : 0 : 0

Freeboard £ 2 : 0 : 0

Travelling Expenses, if any £ 5 : 14 : 5

Received by me,

24.1.31

I am of opinion the Vessel should be Classed +100A1

"Carrying Petroleum in Bulk"

State whether the Vessel has been built under Special Survey

Yes

Signature

J. Malcolm
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

Committee's Minute,

Character assigned

FRI. 19 DEC 1930

+100A1
Carrying Petroleum in bulk

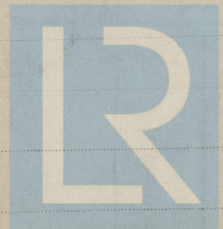
Lloyd's acc.

+ Limb. 12.30

oil dgs
Elec. Lt

Write Mch

My



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Lloyd's Register Foundation

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 etc are forwarded herewith:—

Midship Section
Profile of Deck
Strengthening of Bottom forward etc.
Stern Frame & Rudder.
Amended plan showing
Raised Quarter Deck
Engine Seating
Bilge & Cargo Pumping
Engine Room pumping layout.
Forging Reports (3)
Steel Invoices.

On account of damage stated due to the vessel, whilst lying at
Spier & Houlf's Wharf, Hull, being struck by the motor vessel
"Dauntless" the following repairs have been carried out satisfactorily:—
At Counter, Starboard side:—
1 plate in 2nd strake below sheer cropped & part renewed.
2 plates in way faired in place.
1 frame in way

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

1st Bower
2nd "
3rd "

2-3-25; M.A.B.; 4562; 24/1/30.
2-3-25; M.A.B.; 4538; 24/1/30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 32 ft., Bridge ☒ ft., Forecastle 16 ft.

(in feet and tenths). When the Poop is joined to the R.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 Sk (Std)

Official No. 162205 ; Signal Letters

Is bottom of Vessel coated with cement Yes, clear goic. if not give

particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	6.0	2.2
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,	10'	18.0
Double bottom, if under Boilers only,			Deep tank, forward,	10'	28.3
Double bottom, forward,			Other tanks, if fitted,	9.3	26.4
			(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. 2955

Date

12 Feb 1930.

Dates of Surveys
held while building

1930. April 25. May 12. 19. 28. June 2. 18. 27. July 17. 29. Aug 11. 16.
Sept 3. 9. 12. 17. 25. Oct 1. 8. 13. 17. 20. 29. Nov 5. 11. 21. 26. Dec 1.

Total No. of Visits

27.