

STEEL STEAMER OR MOTORSHIP.

Received at London Office

1- DEC 1942

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 30th November 1942 Port of SUNDERLANDNo. 33545Survey held at SUNDERLAND Date First Survey 2nd Oct Last Survey 24th November 1942On the (State if Machinery Single Screw "M.V. HARPAGUS" MACHINERY AMIDSHIPS)State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) INTERMEDIATE BETWEEN F.S. AND C.S.S. State Type of Erections NONE: FLUSH DECK.TONNAGE under Tonnage Deck ... 6786.72CLASS +100 A1State if with freeboard as condition of Class YesBuilt at SUNDERLANDDo. 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) 142.79Launched 28.8.42 Yard No. 695Total ✓Breadth (greatest moulded) B 56.21Builders WM DOXFORD & SONS LTD.Gross Tonnage 7270.97Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 38.07Owners NATIONAL S.S. CO. LTD.Register Tonnage 5044.411st Longitudinal Number (L x D) 15569Managers JAC. HARRISON LTD.

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D) 39643Residence HAMPTON LODGE, FISHERIES ESTATE, BARY, NR. MARSDENHED.

REGISTERED DIMENSIONS.

FEET

Length 428.8Framing Depth "d," at middle of length. See Sec. 3 (1d) 25.35Breadth 56.5Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.07Depth 35.5Do. Long Bridge to top of keel 27'-2"Draught Moulded 27'-2"Port of Registry LONDON

If surveyed while building, afloat, or in dry dock

DURING CONSTRUCTION

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	31 1/2	✓	Bracket Floors, Frame	6 3 1/2 40	✓
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	6 3 1/2 34	✓
" " in peaks	24	✓	" " Vertical Struts	10 3 1/2 40	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44 1/4 x 54	✓
Frame Amidships, Angle, E or F	13 1/2 4 54	✓	" " top Angles	3 1/2 3 1/2 48	✓
" " Extends up to			" " bottom Angles	5 5 50	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE 30	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	ONE	See plan
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 45	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 35	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	6 6 45	✓
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	13 1/2 x 42 CONTINUOUS	✓
" " Third	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	20 x 42	D° ✓
" " from 1/2 len. for'd. to 15% len. from Stem	13 1/2 4 60	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	70 x 46	✓
" " in Peaks, Angle, E or F	8 3 1/2 38	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 1/4	✓	Breadth and thickness of Middle Line Strake	78 x 50	✓
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	44	+ .08 under hatchways
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?	Yes.	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes.	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	8 3 1/2 35	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or F	"	✓
Height of Brackets at side above base line at toe of frame			Spacing	31 1/2	✓
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	9 3 1/2 38	✓
" " Through Plate or Inter-costal Plate			Spacing	31 1/2	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F		
" " thickness of Inter-costal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or F		
Spacing			Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, E or F		
Solid Floors, thickness and spacing	42 @ 9 1/2	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	Yes	✓	Forecastle Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line	33 x 42	✓	Spacing		
" " breadth and thickness at margin plate	33 x 42	✓			

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	375 ✓	
" " " " " "	/		Thickness of Plating abreast Deck openings in way of Bridge.....	✓	
" in Holds " " " "	/		Thickness of Plating within line of openings...	34 ✓	
" " " " " "	/		If Sheathed, material and thickness.....	/	
Centre Line Bulkhead. T.D. 3½ 3½ .40 } 3½ ✓ Stiffeners and Spacing Hold 9 3½ .44 }			Third Deck. Stringer Plate, breadth and thickness.....	/	
Plating, thickness of- T.D. 36 ✓ Hold 30 ✓			If Plated, state thickness	/	
STRINGERS AND DECKS.			Fourth Deck. Stringer Plate, breadth and thickness.....	/	
Uppermost Continuous Deck.			If Plated, state thickness.....	/	
Stringer Plate, breadth and thickness in Wells 70 x .69 ✓			Poop Deck. Stringer Plate, breadth and thickness.....	/	
" " " " in way of Bridge ✓			Plating, Sheathing, material and thickness ...	/	
" Angle in Wells 6 6 85 ✓			Bridge Deck. Stringer Plate, breadth and thickness.....	/	
Thickness of Plating abreast Deck openings } in way of Wells } .67 ✓			Plating, Sheathing, material and thickness ...	/	
Thickness of Plating abreast Deck openings } in way of Bridge..... } ✓			Forecastle Deck. Stringer Plate, breadth and thickness.....	/	
Thickness of Plating within line of openings... .40 ✓			Plating, Sheathing, material and thickness...	/	
If Sheathed, material and thickness..... ✓					
Second Deck.					
Stringer Plate, breadth and thickness in Wells 70 x .40 ✓					

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *7 BH (Call to W dk, 6 to 2nd dk) 6 divisional WT BHs in 'lower dks*

Extending to Upper Deck (Sec. 3 c) *Seven* *Openings in hi. dk BHs closed by riveted plates*

„ Deck next below *✓*

As per Rule *Seven* *See also 1st Rpt.*

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	✓	✓	✓	✓
STEM	Roller	m.s. 9 ³ / ₄ x 2 ⁵ / ₈ I steel plates		
STERN FRAME {	Propeller Post	Fabricated as per approved plans.		
{	Rudder			
Speed of Vessel		11 ¹ / ₂ knots ✓		
RUDDER—Type		Ordinary ✓		
" A x D		44 x 0		
" Diam. of head		10 ¹ / ₂ " ✓		
" Mainpiece at top pintle		Fabricated as per approved plans.		
" " heel				
" how constructed		Built		
" double or single plate coupling, vertical or horizontal		Double		
		Horizontal		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	<i>nos. 63, 81, 92 ✓</i>					
MIDSHIP	BULKHEAD, Upper 'tween decks	·26"	5x3x·30L ✓	30"	✓	✓
	<i>nos. 147-134 ✓</i>	·28"	6x3x·30L ✓	30"	✓	✓
"	Second					
"	Third ho. 39 ✓	·27"	5x3x·34L ✓	30"	✓	✓
"	Holds No. 63 ✓	50-·26	12x3½x·45L ✓	28"	✓	✓
COLLISION	(in Hold) ho. 198 } 48-32	9x3½x·38L ✓	24"	<i>See plan</i>		
AFTER PEAK	" " " " }	·26	8x3x·32L ✓	24"		
	" " " " }	71-42-30	8x3½x·42L ✓	24"		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Dormer Long: South Durham: Slenningrove: Rowett: Appleby: Cargo Fleet.*

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

EQUIPMENT No. 40123												LETTER at		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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
41978	1st Bower	68	2	0	✓	✓	✓	52	18	3	0	68	BYERS STOCKLESS	W.L. BYERS & Co.	SUNDERLAND 30.5.42 W.V.N.
41973	2nd "	67	3	21	✓	✓	✓	52	12	2	0	68	" "	"	SUNDERLAND 30.5.42 W.V.N.
	3rd "														
	Collective weight														
42285	Stream	19	2	24	5	0	10	20	10	2	14	19	BYERS RODGERS EAST STUPL	W.L. BYERS & Co.	SUNDERLAND 2.9.42.

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.	
	Fathoms.	Diam.	Statutory.	Breaking.	Supplied.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.					Fathoms.	Diam.		Fathoms.	Diam.
22222	150	2 5/16"	96.5	134.15	405-0-24				270	2 5/16"	STUD LINK.	W.L. BYERS & CO.	SUNDERLAND 30.10.42 R.V.	TOWLINE	120	4 3/4"	64.6	120	4 3/4"
18843	75	2 5/16"	96.4	134.4	200-2-0						STUD LINK.	✓	LOWI WALKER 3.10.42 A.G.	HAWSERS & WARPS	2090	2 3/4"	15.2	2090	2 3/4"
	225														2090	2 3/4"	13.2	2090	2 3/4"
Stream Chain and Steel Wire	90	5"		52.8					90	5"	6/12 S.W.	DANSON & USHER LTD.	SUNDERLAND 10.9.42						

Steering Gear, Type (Power ~~and~~) Dunkins 9 x 8 1/2 Alternative Means of Steering Block & tackle to 4th winch

Steering Chains (Size and Test) Steam Telermotor Windlass Lowi Walker 10 x 12 1/2

Ceiling in Holds, thickness and material T.T. + 0.8 under hatchways Cargo Battens, thickness, material and spacing not fitted

Cargo Hatchways.—(Upper Deck) Reversed beamings Thickness of Hatches 2 3/8

Size of Hatchways No. 1 (Fwd.) 31'-6" x 22'-0" No. 2 31'-6" x 22'-0" No. 3 31'-6" x 22'-0" No. 4 31'-6" x 22'-0" No. 5 31'-6" x 22'-0" No. 6 -

Number of Shifting Beams 5 5 5 5 5 5

Builder's Signature WILLIAM DOXFORD & SONS, Limited,

E. R. Fletcher

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 Motor Ship

(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 (where required to be inserted in the Notation).

This vessel has been built in accordance with the approved plans, and in general conformity with the requirements of the Rules. The materials and workmanship are good. Oil fuel F.P. not lower than 150°F, is carried in nos. 2, 3, 5, 6 & 7 Double bottom tanks, and the requirements of Sect. 20 of the Rules, so far as applicable have been complied with. The double bottom tanks, logperdecks, deep and peak tanks have been tested under water pressure, the upper and second decks, W.I. Bldgs., Tunnel and tween deck doors, have been hose tested, as required by the Rules and proved satisfactory. The Steering Gear, Secondary means of steering, Windlass and pumps have been tried under working conditions, whilst vessel was moored in River. The vessel is fitted with "Wireless" and "Directional Wireless". Scuppers from cargo tween decks, led to bilges with self closing covers in Engine Room. The freeboards have been marked on the vessels sides verified and cut in. Cargo battens not fitted but cleats fitted in Holds and tween decks. Locking bars fitted to all Hatches. The equipment of anchors and cables have been reduced as per Secretary's letters. Hatch covers fitted to Second deck hatchways at owners request.

The amount of Entry Fee..... £10 : : Fees applied for, 26 Nov 1942

Special Survey Fee..... £38 : 15 : 6 Received by me, 18 00

Freeboard. Travelling Expenses, if any £ : : I am of opinion the Vessel should be Classed 100 A1 WITH FREEBOARD.

State whether the Vessel has been built under Special Survey Yes Signature Ned F.H. Duncan

Certificate to be sent to SUNDERLAND Date of issue 1/1/43 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 15 DEC 1942

Character assigned + 100 A1

With freeboard

Lloyd's arch. 02, + Lmb 11.42

White Mott

note for S.R.D. Hom

Oil Sp. Cl.

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.)

Hatch covers fitted to Second deck Hatchways at Owners Request.
Owners state it is their intention to fit at the first convenient opportunity Cargo Buttons in Holds and Tween decks.

Accommodation for 10 Gunners arranged in After Tween decks Port side, 6-10" diam sidelights fitted with hinged deadlights, at a higher level than those originally reported. 6-6" diam wash room Vents and 1-12" diam Bowl Vent. Composition on Deck.

Scuppers and discharges from wash place & W.C. to S.D.N.R. valves in shell controlled from Forebranch deck.

Sister Vessel to same Builders yard no. 694 M.V. "HARPALYCE"

PARTICULARS OF ELECTRIC WELDING (if employed) Fleet weld and Quasi-arc overhead electrodes.

Second deck stringer to shell; Deep and Peak tank girders; Rudder plates
Bulkhead stiffener brackets to tank top. Hatch web mountings. Ventilator casings to deck. Tank side gussets.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Lloyd's A&CP Cruiser Stern

Six divisional W.T. Bldrs fitted in Tween decks.

Oil Engines. D.F. Cargo buttons not fitted.

Hatch covers fitted to Second deck hatchways at Owners request.

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

1st Bower 40.2-20 K.L. H583 31.1-42
2nd " 39.3-2 S.P.R. H839 6.5-42
STREAM. 18.2-24 K.L. 5088 10.8-42

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 or Forecastle are joined to the B.D., this should be distinctly stated. Flush Deck.

Official No. 168347 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 442'-11 1/4" (Circ. 1703)

No. and Material of Decks Two Decks (Steel)

Parts of Bottom of Vessel coated with cement or approved composition has 144 Double bottom tanks, cofferdams & bulges.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	128.4	355	Fore peak tank,	24	134
Double bottom, under Engines and Boilers, feed Water	10.5	50	After peak tank,	18	155
Double bottom, if under Engines only,	23.6	84	Deep tank, aft,	-	-
Double bottom, if under Boilers only, cofferdams	5.2	-	Deep tank, forward, Amidships	28.8	1205
Double bottom, forward,	193.5	693	Other tanks, if fitted,		
Total length (if continuous) and Capacity	356.2	1182	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6012

Date 11.11.41

Dates of Surveys held while building

1942. April 2, 17. May 18, 19, 21, 26, 27. June 1, 2, 16, 17, 24, 29, 30. July 1, 3, 17, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31. Aug 4, 6, 19, 22, 17, 18, 19, 20, 21, 24, 26, 28. Oct 4, 17, 21, 22, 27, 29, 30.
Nov 2, 3, 4, 5, 6, 9, 11, 13, 16, 17, 18, 20, 21, 24.

Total No. of Visits 59