

STEEL STEAMER ~~OF~~ MOTORSHIP.

Received at London Office 29 OCT 1939

DISCLOSED

SECTION

No. 8196

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*

DISCLOSED

SECTION

Date of completion of report

24 October 1939

Port of

Sunderland

No. 32723

8196

Survey held at

Sunderland

Date First Survey

26 April '39

Last Survey

19 October 1939

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

Single Screw Steamer

"HERMISTON"

machinery amidships

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

Complete Superstructure with one Tonnage Opening

State Type of Erections

TONNAGE under Tonnage Deck

4283.93

CLASS 100A1

State if with freeboard as condition of Class *yes*

Built at Sunderland

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 40.00

Launched 30th August 1939 Yard No. 457.

Total

Breadth (greatest moulded)

B 53.66

Builders Short Bros. Ltd.

Gross Tonnage

4812.82

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

D 34.58

Owners R. Chapman &amp; Son

Register Tonnage

2765.04

1st Longitudinal Number (L x D) = 14178

Managers

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

2nd Numeral L x (B + D) = 36178

Residence Newcastle on Tyne

REGISTERED DIMENSIONS. FEET.

Length

427.0

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

22.10

Port of Registry Newcastle

Breadth

54.0

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

11.86

If surveyed while building, afloat, or in dry dock

Depth

23.7

Do. Long Bridge to top of keel

-

Draught Moulded 23-11 3/4

*yes*

## FRAMES, DOUBLE BOTTOM AND BEAMS. N.B.S.

	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	6 3 1/2 .37	✓
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	5 1/2 3 .37	✓
" " in peaks	24 ✓		" " Vertical Struts	8 x 3 1/2 x 3 1/2 x .42	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	48 x .50	✓
Frame Amidships, Angle, [ or ]	11 x 3 1/2 x 3 1/2 x .48	✓	" " top Angles	6 6 .47	✓
" " Extends up to	2nd Deck + U.D. @ HE. Beams		" " bottom Angles	6 6 .53	✓
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	One .36	✓
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	41 x .52	✓
Depth of Framing Girder	-		" " Vertical Angle to Tank side	3 1/2 3 1/2 .43	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	7 3 1/2 .32	✓	" " Bracket abaft 1/2 len. from stem	6 6 .54	✓
" " Second 'tween Decks, Angle, [ or ]	-		" " Vertical Angle to Tank side	6 6 .54	✓
" " Third " " " "	-		" " Bracket from forward 1/2 len. from stem to Panting Area	6 3 1/2 .54	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 3 1/2 x 3 1/2 x .49	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	6 6 .64	✓
" " in Peaks, Angle, [ or ]	7 3 1/2 .41 A.P. ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	6 6 .64	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5/8	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	8 1/2 x .42	✓
State if Frame Joggled	<i>yes</i>	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i>	✓	Breadth and thickness of Middle Line Strake	78 x .48	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i>	✓	Thickness of remainder in Holds	.43	✓
DOUBLE BOTTOM.			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?	<i>yes</i>	✓
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Walls, Angle, [ or ]	7 3 .36	✓
Middle Line Keelson, on Floors, Angles, [ or ]			" " in way of Bridge, Angle, [ or ]	-	
" " Through Plate or Intercoastal Plate			Spacing	30	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, [ or ]	7 3 .46	✓
" " Flat Plate Keel Angles			Spacing	30	✓
Side Keelsons, No. each side			Third Deck, amidships, Angle, [ or ]	-	
" " thickness of Intercoastal Plate			Spacing	-	
" " Angles			Fourth Deck, amidships, Angle, [ or ]	-	
DOUBLE BOTTOM.			Spacing	-	
Solid Floors, thickness and spacing	.41 Every 4th frame	✓	Poop Deck, Angle, [ or ]	-	
" " Are Frame and Reversed Frame joggled?	<i>yes</i>	✓	Spacing	-	
Bracket Floors, breadth and thickness at middle line	33 x .41	✓	Bridge Deck, Angle, [ or ]	-	
" " breadth and thickness at margin plate	33 x .41	✓	Spacing	-	
			Forecastle Deck, Angle, [ or ]	8 3 .40	✓
			Spacing	every frame	✓



## PILLARS AND DECKS.


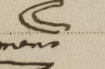
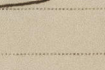
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	ONE. rows		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	4 4 .45 L		Thickness of Plating abreast Deck openings in way of Wells .....	.36 ✓	
„ „ „ „ „	-		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 .....		
<b>Centre Line Bulkhead.</b>	4 x 3 x .36 L	60" T.D.S ✓	<b>Third Deck.</b>		
Stiffeners and Spacing.....	10 x 3 x .40 L	60" HOLL ✓	Stringer Plate, breadth and thickness.....	-	
Plating, thickness of .....	26 T.D.S - 30 HOLL		If Plated, state thickness.....	-	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	-	
Stringer Plate, breadth and thickness in Wells	71 ✓ x .66	+ 10% Owners.	If Plated, state thickness .....	-	
„ „ „ „ in way of Bridge	-		<b>Poop Deck.</b>		
„ Angle in Walls .....	6 6 .60 ✓		Stringer Plate, breadth and thickness .....	-	
Thickness of Plating abreast Deck openings in way of Wells .....	.60 ✓	+ .12 Owners ✓	Plating, Sheathing, material and thickness ...	-	
Thickness of Plating abreast Deck openings in way of Bridge .....	-		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.50 ✓	+ .12 Owners ✓	Stringer Plate, breadth and thickness.....	-	
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ...	-	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	75 x .40 ✓		Stringer Plate, breadth and thickness.....	.36 ✓	
			Plating, Sheathing, material and thickness ...		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. no.			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.									
FLAT PLATE KEEL .....	.60	.81	.71	.76	+ .05. Owners	Double	1"	3 3/4	Four.	1	4	Lapped	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes .....	3	.58	.48	.48		Double	7/8	3 3/8	Three	7/8	3 1/8	Lapped	
BILGE PLATING, No. of Strakes .....	1	.58	.48	.48		do	7/8	3 3/8	do.	7/8	3 1/8	"	
SIDE PLATING, No. of Strakes .....	3	.58	.58	.46		do	7/8	3 3/8	do.	7/8	3 1/8	"	
UPPER DECK, Sheer-strake in Wells .....	79	.69	.46	.46		do	7/8	3 3/8	Four	7/8	3 1/2	"	
UPPER DECK, Sheer-strake in Bridge ...	-	-	-	-									
STRAKE BELOW Sheer-strake in Wells .....	79	.58	.46	.46		Double	7/8	3 3/8	Three	7/8	3 1/8	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...	-												
POOP SIDE PLATING .....	-												
BRIDGE SIDE PLATING ...	-												
FOREC'TLE SIDE PLATING			.42			Single	3/4	3.	one.	3/4	2 7/8	Lapped	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c) <i>one ✓</i>									
,, Deck next below <i>Six ✓</i>									
As per Rule <i>Seven ✓</i>									
STIFFENERS.									
Plating Thickness.		VERTICAL.		HORIZONTAL.					
		Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHD.,	Upper tween decks	—							
"	" Second "	—							
"	" Third "	—							
"	" Holds .....	.44 - .30 ✓	11 x 3½ x 42 L ✓	30. ✓	—	—			
COLLISION	" (in Hold) .....	.46 - .38 - .30 ✓	(12 3¼ x 52 11 x 3¾ x 50 - 42) 9 x 2½ x 40 S ✓	24 } Bltd ✓					
AFTER PEAK	" .....	.75 - .31 ✓	11 x 3½ x 44 L ✓ 11 x 3½ x 56 S ✓	24" Stepped ✓					
KEEL, Bar .....						—			
STEM .....						.58 Plate ✓			
STERN FRAME { Propeller Post .....						Cast 16 x 14¾ x 2" ✓			
{ Rudder " .....						Steel 32¾ x 8 ✓	Strommen		
Speed of Vessel.....						12 N.M. ✓			
RUDDER—Type.....						Ordinary ✓			
" A x D .....						503.91 ✓			
" Diam. of head .....						11" ✓			
" Mainpiece at top pintle .....						O.G. 12 x 7¼ ✓	Strommen		
" " heel ...						C.S. 7½ x 6½ ✓			
" how constructed .....						Cast ✓			
" double or single plate .....						.50 Double ✓			
" coupling, vertical or horizontal .....						Vertical ✓			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S. M. open Hearth*  
*Appley - Frodingham S.C. Dorman Long & Co. South Durham S & Co. Skinningrove, & Largo Steel Works*

Has the Steel been tested as required by the Rules?

402.



EQUIPMENT No 36,654												LETTER	Z ✓	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.	Cwts.			
98424	1st Bower ...	64	3	10	Stockless			51	-	-	-	63 3/4	Byers 2yfe	S. Taylor	Nottingham 25-8-39 Yagan
98425	2nd „ ...	64	3	7	do			51	-	-	-	63 3/4	do	do	„ „ „
98426	3rd „ ...	55	2	0	do			45	13	3	0	54 1/2	do	do	„ „ „
	Collective weight.	184	5	17								182 ✓			
52610	Stream .....	17	2	0	4	1	20	18	12	2	0	14.2.0 ✓	Ordinary	-	Chad. Heath 15-8-39 Paul

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.	Tons.	Length.	Cir.	
20375	270	3 1/4	91	127 1/2	689-1-21	682-1-0		270	2 1/4	Slud link.	Byers	Sld. 11-8-39 home	ROPELINE...	120	5	52.8	120	5	
													HAWSERS & WARPS	2@90	23 1/4	15.2	2@90	23 1/4	
													"	2@90	8	Hemp	2@90	8	
Stream (Chain or Steel Wire)	90	4 3/4		47				90	4 3/4	SWS			"						

Steering Gear, Type (Power or hand) *Donkins 10 x 10 Helomotor Control*. Alternative Means of Steering *Blocks & tackle & afters wheel.*  
*Hand Gear " worm gear & friction clutch.*

Steering Chains (Size and Test) *Windlass Blank Chapman 11 x 14 1/2* *Boats 2 life, 25' x 8' x 3-4 1/2*

Ceiling in Holds, thickness and material *1 1/2" H.P. @ Limerick Hatchways* Cargo Battsens, thickness, material and spacing *6 x 2" W.P. 9" space.*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles Reith Patent* Thickness of Hatches *3"*

Size of Hatchways No. 1 (Fwd.) *18 x 20* No. 2 *28 x 20* No. 3 *30 x 20* No. 4 *22-6 x 20* No. 5 *30 x 20* No. 6 *30 x 20*

Number of Shifting Beams *No. 1, No. 2, 3, 4, 5, 6 Five.*  
 and/or Fore and Afters

Builder's Signature *FOR SHORT BROTHERS, LIMITED*  
*George C. Mott.* DIRECTOR.

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 *no*  
 (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 Rules, the approved plans & Secretary's letters.*  
*The materials & workmanship are good.*  
*The double bottom tanks, deep tank & fore & after peak tanks have been tested under pressure as required by the Rules.*  
*The watertight bulkheads, tunnel & decks, have been satisfactorily hose tested.*  
*Hand pumps, watertight doors, steam steering gear, hand steering gear and secondary means of steering and windlass have been tried under working conditions and found satisfactory.*  
*The vessel is fitted with Electric Light, wireless & direction finder*  
*Freeboardmarks have been measured & cut in on the vessel's sides*

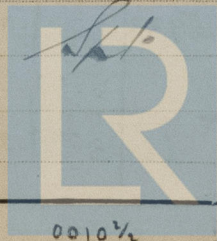
The amount of Entry Fee ..... £ *8* : - : - Fees applied for, *23 OCT 1939*  
*Freeboard* *15*  
 Special Survey Fee.... £ *3/5* : *13* : - Received by me, *28/10/39 R.B.Y.*  
 Travelling Expenses, if any £ - : - : - I am of opinion the Vessel should be Classed *100 A1.*  
*with freeboard*

State whether the Vessel has been built under Special Survey *yes.* Signature *G. A. Millar*  
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Sunderland* Date of issue *2/11/39.*

Committee's Minute *TUE 31 OCT 1939*

Character assigned *+100 A1*  
*with freeboard*  
*Lloyd's Register* *+ LMC 10.39*  
*Monte* *10*





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 the Plans should be embodied.)

Sister vessel.  
s/s. "Generlon" Sla. Rpt No 31983.

Vessel placed in dry dock on the 18<sup>th</sup> October 1939. Bottom wirebrushed, examined and

PARTICULARS OF ELECTRIC WELDING (if employed)

Centre line B.Hd. to tank top, Fore + after peaks tank top to shell plating, B.Hd. brackets to tank top

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

Lloyds. A + CP. D.F. Cruiser Stern. Shellier Deck.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	38-0-21 ✓	R.D.D.	30534	6-4-39
	2nd "	38-0-5 ✓	R.D.D.	30541	17-4-39
	3rd "	32-2-4 ✓	J.F.R.	2436	30-7-37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — ft., Overall — ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓ C.S.S. overall 36

Official No. 165,773 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 439'-2"  
No. and Material of Decks 1 D.K. (Stl.) and Shellier Deck. (Stl.)  
Parts of Bottom of Vessel coated with cement or approved composition Cellular double bottom

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.)

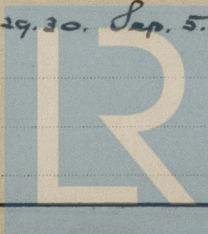
Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	115 ✓	394 ✓	Fore peak tank,	20	7
Double bottom, under Engines and Boilers,	42.5 ✓	223 ✓	After peak tank,	260	27
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	26 1/2	31
Double bottom, forward,	164 ✓	774 ✓	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	321.5	1391. ✓	(If necessary, furnish further information by sketch.)	-	-

Order for Special Survey No. 5922

Date 3. 6. 39

Dates of Surveys held while building

1939. April 26 May 2, 3, 8, 10, 15, 16, 17, 18, 22, 24, 26, 31. June 5, 8, 13, 14, 14, 23, 26, 29. July 3, 5, 7, 11, 13, 17, 19, 21, 27, 28. Aug. 10, 11, 22, 23, 29, 30. Sep. 5, 6, 7, 11, 19. Oct. 2, 4, 6, 10, 12, 18, 19.



Lloyd's Register  
Foundation

Has the Steel been tested as required?