

WRECK  
SECTION  
No. 976

## STEEL STEAMER or MOTORSHIP.

Received at London Office JAN 1934

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 *22 December 1933* Port of *Newcastle on Tyne* No. *90866*  
 Survey held at *Wallsend on Tyne* Date First Survey *3<sup>rd</sup> March* Last Survey *22 December 1933*

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Twin Screw M.S. "Port Chalmers" machinery amidships*  
 State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure with tonnage opening* State Type of Erections *File on SK.*

TONNAGE under 7696.34 CLASS *+100 A.1.* State if with freeboard as condition of Class *Yes* 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 486.5* Launched *3 October 1933* Yard No. *1483*

Total 7696.34 Breadth (greatest moulded) *B 65.0* Builders *Swan Hunter & Wigham Richardson Ltd.*

Gross Tonnage 8534.56 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 43.86* Owners *Commonwealth & Dominion Line Ltd.*

Register Tonnage 5204.22 1st Longitudinal Number (L x D) *= 21041* Managers *✓*

2nd Numeral L x (B + D) *= 52663* (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *18.75* Residence *✓*

Length 488.8 Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.1* Port of Registry *London*

Breadth 65.3 Do. Long Bridge to top of keel *✓* If surveyed while building, afloat, or in dry dock

Depth 31.6 Draught Moulded *29-8 1/2* *Special Survey.*

## 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	33	✓	Bracket Floors, Frame	9 x 3 1/2 x .38	✓
" " from 3/4 length to Collision bulkhead	27	✓	" " Reversed Frame	9 x 3 1/2 x .38	✓
" " in peaks	<i>Fore peak 24</i> <i>Aft 22 1/2 x 27 1/2</i>	✓	" " Vertical Struts	9 x 3 1/2 x .38	✓
IDE FRAMING.			Centre Girder, depth and thickness amidships	60 x .62	
Frame Amidships, Angle, [ or F	9 x 3 1/2 x 3 1/2 x .54 F	✓	" " top Angles	3 1/2 x 3 1/2 x .60	<i>Stbl</i> ✓
" " Extends up to	<i>Upper SK</i>	✓	" " bottom Angles	5 x 5 x .70	<i>Stbl</i> ✓
Reversed Frame Amidships, Angle	3 1/2 x 3 1/2 x .48	✓	Side Girders, No. each side and thickness	<i>Two @ .44</i>	<i>Keel 93-148 ft. as approved</i> ✓
" " Extends up to	3 <sup>25</sup> SK	✓	Margin Plate depth (excl. of flange) and thickness	46 x .60	✓
Depth of Framing Girder	9	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 x 6 x .50	<i>Single</i> ✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or F	9 x 3 1/2 x 3 1/2 x .38 <i>amidships</i>	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 x 6 x .50	<i>Back bars</i>
" " Second 'tween Decks, Angle, [ or F	<i>ditto</i>	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	3 1/2 x 3 1/2 x .50	<i>Back bars</i>
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	4.5 gusset plate	✓
Framing in Peaks, Angle or [ <i>also</i>	9 x 3 1/2 x .45 <i>Stbl</i> 7 x 3 1/2 x .42 <i>Stbl</i> 7 x 7 x .45 <i>Single L</i>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	7-0 x .50	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" @ 5 1/4"	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>	✓	Breadth and thickness of Middle Line Strake	59 x .58	
NTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Keel frames 10 x 3 1/2 x .50</i> <i>6 x 4 x .50 rev. 1/3 = SK.</i> <i>forming 12" Girders.</i> <i>Stringers as approved</i> <i>3 Stakes Shell plating</i> <i>10% excess of midship thickness from 1/2 L to Coll. V. line.</i> <i>Additional intercostals</i> <i>bottom frames doubled.</i>	✓	Thickness of remainder in Holds	.50	
RENGTHENING OF BOTTOM FORWARD. State Particulars		✓	Are Rule requirements complied with regarding increases of scantling in way of double bottom in <i>Engine Room</i> and framing in <i>O.F. Bunkers and Boiler Room?</i>	<i>Yes</i>	✓
GLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds		✓	Uppermost Continuous Deck, amidships in <i>Wells</i> , Angle, [ or F	8 x 3 1/2 x 3 1/2 x .36 <i>F</i>	✓
Height of Brackets at side above base line at toe of frame		✓	" " in way of Bridge, Angle, [ or [	✓	✓
Middle Line Keelson, on Floors, Angles, [ or [		✓	Spacing	33	✓
" " Through Plate or Intercostal Plate		✓	Second Deck, amidships, Angle, [ or F	9 x 3 1/2 x 3 1/2 x .40 <i>F</i>	✓
" " Foundation Plate on Floors		✓	Where <i>lumping cargo</i> <i>ditto with 3 1/2 x 3 x .40 rev.</i>	33	✓
" " Flat Plate Keel Angles		✓	Third Deck, amidships, Angle, [ or F	10 x 3 1/2 x 3 1/2 x .56	✓
Side Keelsons, No. each side		✓	Spacing	33	✓
" " thickness of Intercostal Plate		✓	Fourth Deck, amidships, Angle, [ or [	✓	✓
" " Angles		✓	Spacing		✓
DOUBLE BOTTOM.			Poop Deck, Angle, [ or [	✓	✓
Solid Floors, thickness and spacing	<i>Generally every 3 1/2 ft.</i>	✓	Spacing		✓
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	✓	Bridge Deck, Angle, [ or [	✓	✓
Bracket Floors, breadth and thickness at middle line	45 x .44	✓	Spacing		✓
" " breadth and thickness at margin plate	28 <i>at 1/4</i> x .44	✓	Forecastle Deck, Angle, [ or F	10 x 3 1/2 x 3 1/2 x .44 <i>F</i>	✓
			Spacing	48 x 54	✓



# 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>Hollow Pillars.</b> No. of Rows.....	Two				57 1/2 x 50		
<i>upper</i> in 'tween Decks, Size and Spacing.....	7 x .32	67 x .39	<i>widely spaced</i>		.43		
<i>lower</i> " " " " " " " "	8 x .40	617 x .60			.36		
in Holds " " " " " " " "	13 x .50	622 x .70			.36		
" " " " " " " "							
<b>Centre Line Bulkhead.</b>							
Stiffeners and Spacing.....							
Plating, thickness of .....							
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck.</b>							
Stringer Plate, breadth and thickness in Wells.....	70 x .70						
" " " " " in way of Bridge.....							
" Angle in Wells .....	6 x 6 x .74						
Thickness of Plating abreast Deck openings in way of Wells.....	.58						
Thickness of Plating abreast Deck openings in way of Bridge .....							
Thickness of Plating within line of openings...	.44						
If Sheathed, material and thickness .....	5 x 3 P.P.						
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...	57 1/2 x .47						
Stringer Plate, breadth and thickness in way of Bridge.....							
Angle in Wells .....							
Thickness of Plating abreast Deck openings in way of Wells.....							
Thickness of Plating abreast Deck openings in way of Bridge .....							
Thickness of Plating within line of openings...							
If Sheathed, material and thickness .....							
<b>Third Deck.</b>							
Stringer Plate, breadth and thickness.....	53 1/2 x .40						
If Plated, state thickness.....							
<b>Fourth Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness .....							
<b>Poop Deck.</b>							
Stringer Plate, breadth and thickness .....							
Plating, Sheathing, material and thickness ...							
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness ...							
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....	57 x .40						
Plating, Sheathing, material and thickness ...	5 x 3 P.P.						

## 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 .....	53	.97	.82	.82		Double	1 1/8	3 7/8	56. Straps	1 1/8	3 1/2	Strapped	
<i>in way duct keel 1.09.</i>						<i>in way duct keel</i>							
DBLG. (if any)		✓											
BOTTOM PLATING, No. of Strakes .....		.70	.56	.58		Double	7/8	3 3/10	4 to 3 aft	7/8	3 1/2	Lapped	
<i>ABCD E</i>													
BILGE PLATING, No. of Strakes .....	<i>F</i>	.68	.52	.52	<i>from 1/2 L to Collision Bkd.</i>	"	7/8	3 3/10	"	"	"	"	
SIDE PLATING, No. of Strakes .....		.68	.52	.52		<i>X</i> "	7/8	3 3/10	3	7/8	3 3/8	"	
UPPER DECK, Sheer-strake in Wells.....	76	.80	.52	.52		56	1	3 2/3	4 to 3	1	4	"	
UPPER DECK, Sheer-strake in Bridge ...		✓			<i>.75 in way Hawsepipes</i>								
STRAKE BELOW Sheer-strake in Wells.....	75 1/2	.75	.52	.52	<i>Rule 72</i>	56	1	3 2/3	4 to 3	1	4	"	
STRAKE BELOW Sheer-strake in Bridge ...		.80	<i>in way</i>	<i>no 3</i>	<i>Hatch</i>								
POOP SIDE PLATING .....		✓				<i>X</i>	<i>Top landings of F, G &amp; H Strakes are treble riveted from aft Peak to Fore Peak Bkds.</i>						
BRIDGE SIDE PLATING ...		✓											
FOREC'TLE SIDE PLATING			.46	✓		Single	3/4	3	Single	3/4	3	Lapped	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c) .....	Forepeak Bkd. 1.
" Deck next below .....	7
As per Rule .....	8

<i>Note. Bulkheads are electrically welded.</i>		STIFFENERS.			
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD Upper tween decks					
" Second " "	.28	4 1/2 x 36	29	6 3/4 x 36	29
" Third " "					
" Holds .....					
COLLISION " (in Hold)					
AFTER PEAK " "					

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	Roller	11 1/2 x 3	Lanarkshire Steel Coy.	
STEM .....	Steel			
STERN FRAME { Propeller Post .....	Cast			
{ Rudder " .....	Steel			
RUDDER—A x D .....		900		
Speed of Vessel .....		14 3/4 knots		
RUDDER mainpiece at head .....	Forged	11 3/4 x 15	N.V. Wilton Eng. Co.	
Semi-Balanced heel .....	Steel	7 1/2 x 9 3/4	Rotterdam	
how constructed .....				
double or single plate 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)	Doorman Long, Lanarkshire Steel	Consell Iron Co.	Open hearth process
Has the Steel been tested as required by the Rules?	Yes		



EQUIPMENT No. <i>54155</i>										LETTER <i>ft</i>	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
34458	1st Bower ...	90	1	14	Stockless			63	12	2	0
34456	2nd " ...	90	1	0	"			63	12	2	0
34457	3rd " ...	90	0	0	"			63	5	0	0
	Collective weight.	270	2	14					257½		
93101	Stream .....	26	3	7	6	3	0	26	5	2	14
									26½		

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 and size per Table 53.	Length and size per Table 53.	Length and size per Table 53.	Length and size per Table 53.
	Fathoms.	Ins.	Tons.	Supplied.	Per Rule.			Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
86859	300	2 3/8	142 10	198 9	1040	2.18	✓	300	2 3/8	Stockless	26.9.33 H. Men	TOWLINE...	130	6	92 10	130	5 1/2		
												HAWSERS & WARPS	4 @ 110	3 1/2	25 7/10	4 @ 100	2 3/4		
													Manilla 2 @ 100	8					
Iron Stream Chain or Steel Wire	130	5 1/4	77 1/2	✓				120	5										

Steering Gear, *Steam* *Hastie's Electric Hydraulic* Steering Gear, *Hand* *Two pumps fitted*

Boats *4 steel lifeboats each* Steering Chains, Size and Test *none* Windlass *Electric*

Ceiling in Holds, thickness and material *28' x 8.5' x 3.5'* *nos 1-5 insulated* *nos 6-2 1/2' Elm* Cargo Battens, thickness, material and spacing *6 x 2 W.P. 9' apart in after hold & tween decks*

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

Size of No. 1 Hatchway (Forward) *27-0 x 20-0* No. 2 *30-3 x 20-0* No. 3 *27-6 x 20-0* No. 4 *30-3 x 20-0* No. 5 *27-6 x 20-0* No. 6 *22-0 x 20-0*

Number of Shifting Beams and/or Fore and Afters *5 webs each at nos 2 & 4 Hatches, 4 at nos 1, 3 & 5*

FOR SWAN, HUNTER, & WILKINSON RICHARDSON, LD.  
Builder's Signature *Chas Hunter*

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 *NO* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*oil fuel having flash point not lower than 150°F. is carried in all double bottom tanks except nos 1 & 2 forward, also at sides of tunnels in nos 5 Hold & in lower tween decks in way motor room.*

*This vessel has been constructed in accordance with the approved plans & the Secretary's letters, and generally conforms to the Society's Rules for the Class contemplated. The materials & workmanship are good.*

*nos 1-5 Holds & lower tween decks have been insulated for the carriage of refrigerated cargoes. A duct keel is fitted between frames 93 & 148. = 149' 3"*

*The weather decks, W.T. bulkheads, tunnels, W.T. doors, neat port doors, decks & shell in way insulated spaces all have tested & found Satisfactory.*

The amount of Entry Fee ..... £ 11 : 0 : 0 Fees applied for, *30 DEC 1933*

Freeboard £ 19 : 0 : 0

Special Survey Fee.... £ 413 : 7 : 0 Received by me, *26.1.34*

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 *H. T. Akester*

Certificate to be sent to *Newcastle on type* Date of issue *29/1/34* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned *+ 100 A1 with free board*

*Lloyd's A & C. P.*

*work lgs*

*2 D.B. 100 lb.*

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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.)

All double bottom tanks, duct keel, fore & after peak tanks and oil fuel bunkers tested as required by the Rules & found satisfactory. The assigned freeboards have been marked on vessel's sides, verified & cut in.

The approved plans (39 in number) together with midship section profile as built, also 4 forging Certificates are sent herewith.

The W.T. and minor bulkheads, the oil fuel wing & tween deck bunkers, deckhouses generally, also masts, derrick posts, pillars and innumerable minor items have been electrically welded.

This ship is somewhat similar to the M.S. "Port Fairy" the same Builders No 1339.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		C. gr. lbs.		with pins	C. gr. lbs.		
1st Bower		50.3.3	56.3.0	No 9318	20.8.31	K.H.	
2nd "		50.3.9	56.0.14	No 9609	24.2.32	K.H.	
3rd "		50.3.0	55.2.14	No 6546	30.11.31	A.B.	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft. on U. S.K.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Complete shelter deck with*  
*bunage opening.*  
No. and Material of Decks (this information is to be given as it should appear in the Register Book) *2 Sts. (Stl) & Shelter St (Stl. w.s.)*  
*Cruiser Stern duct keel forward of motor room 149'-3"*  
Official No. *163429*; Signal Letters  
particulars of composition ☒ Is bottom of Vessel coated with cement *No 152* if not give *tanks only*

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	145-9	643	Fore peak tank,	24-5 1/2	88
Double bottom, under Engines and Boilers,			After peak tank,	19-0 1/2	119
Double bottom, if under Engines only, <i>motor room</i>	60-6	386	Deep tank, aft, <i>O.F. at sides of tunnels</i>	41-3	182
Double bottom, if under Boilers only,			Deep tank, forward, <i>O.F. - motor room</i>	52-3	486
Double bottom, forward,	204-0	921	Other tanks, if fitted,		
		1950	(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. *5456*

Date *4.3.33*

Dates of Surveys held while building

1932 Mar 3. 8. 9. 10. 13. 16. 17. 21. 23. 27. 29. 30. Apr. 6. 10. 12. 13. 18. 21. 25. 27. 28. May 2. 5. 9. 10. 17. 19. 22. 23. 24. 25. 29. 31. June 1. 6. 8. 12. 13. 14. 15. 19. 23. 26. 28. 30. July 5. 6. 13. 17. 19. 25. 28 Aug. 3. 4. 8. 9. 10. 11. 14. 15. 16. 24. 28. 30. 31. Sep. 4. 6. 7. 11. 12. 13. 14. 17. 18. 19. 20. 21. 22. 25. 26. 27. 28. 29. 30. Dec. 5. 7. 8. 11. 13. 18. 19. 20. 22.

Total No. of Visits *95*