

STEEL STEAMER or MOTORSHIP.

MAY 20 1940

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

No.

Date of completion of report 17th May 1940.

Port of NEWCASTLE-on-TYNE.

No. 98510

Survey held at NEWCASTLE-ON-TYNE. Date First Survey 3rd July 1939 Last Survey 7th May 1940.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL TWIN SCREW "COLLINGWOOD" MACHINERY AMIDSHIPS

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) PLANS APPROVED FOR THE CLASS

State Type of Erections

TONNAGE under Tonnage Deck

39-80

CLASS 100A FOR FERRY SERVICES OF RIVER TYNE.

State if with freeboard as condition of Class

No

Built at WILLINGTON QUAY-ON-TYNE

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

Length from fore part of stem to after part of stern of beam at side of uppermost continuous deck. See Sec. 3 (1a)

L 44.0

Launched 30th JANUARY 1940 Yard No. 51.

Total

Breadth (greatest moulded)

B 18.0

Builders CLELAND'S (SUCCESSORS) LTD

Gross Tonnage

39-80

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

D 9.66

Owners TYNE IMPROVEMENT COMMISSIONERS.

Register Tonnage

39.06

1st Longitudinal Number (L x D) = 443.82

Managers

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

REGISTERED DIMENSIONS.

FEET.

Length

44.5

Breadth

18.15

Depth

8.95

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

8.66

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

4.94

Port of Registry NORTH SHIELDS.

If surveyed while building, afloat, or in dry dock

while Building and 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	21"		Bracket Floors, Frame	✓	
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	21"	✓	" " Reversed Frame	✓	
" " in peaks	21"		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	✓	
Frame Amidships, Angle, E or F	4" 2½" 26	✓	" " top Angles	✓	
" " IN BUNKERS	4" 2½" 32	✓	" " bottom Angles	✓	
" " Extends up to DECK			Side Girders, No. each side and thickness	✓	
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and thickness	✓	
" " Extends up to	✓		" " Vertical Angle to Tank side	✓	
Depth of Framing Girder	✓		Bracket abaft $\frac{1}{2}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side	✓	
" " Second 'tween Decks, Angle, E or F	✓		Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	✓	
" " Third " " "	✓		Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	4" 2½" 26	✓	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	✓	
" " in Peaks, Angle E or F	4" 2½" 26	✓	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" DIA @ 4 DIA		INNER BOTTOM PLATING.	✓	
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	✓		Thickness of remainder in Holds	✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	✓		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" x 25	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	4" 3" 38	THREE BEAMS
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or F	3" 3" 28	HALF "
Middle Line Keelson, on Floors, Angles, E or F	3" 2½" 28	✓	Spacing	21"	
" " Through Plate or Intercostal Plate	26	✓	Second Deck, amidships, Angle, E or F	✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	3" 2½" 28	✓ double	Third Deck, amidships, Angle, E or F	✓	
Side Keelsons, No. each side	ONE		Spacing	✓	
" " thickness of Intercostal Plate	20	✓	Fourth Deck, amidships, Angle, E or F	✓	
" " Angles	4" 2½" 32	✓	Spacing	✓	
" " BOTTOM	2½" 2½" 25	✓	Poop Deck, Angle, E or F	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	✓		Bridge Deck, Angle, E or F	✓	
" " Are Frame and Reversed Frame joggled?	None	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, E or F	✓	
" " breadth and thickness at margin plate	✓		Spacing	✓	

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.....	Two.								
" in 'tween Decks, Size and Spacing.....		✓							
" " " " " "		✓							
" in Holds " "		1 1/2" DIA	✓						
" " " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing.....		✓							
Plating, thickness of									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells.....			.30	✓					
" " " " in way of Bridge.....			✓						
" Angle in Wells		3" 3"	.30	✓					
Thickness of Plating abreast Deck openings } in way of Wells.....		.25	.30	✓					
Thickness of Plating abreast Deck openings } in way of Bridge			✓						
Thickness of Plating within line of openings...			.25	✓					
If Sheathed, material and thickness	Yes	PITCH PINE 2 1/2" 3/4" MARGIN		✓					
Second Deck.									
Stringer Plate, breadth and thickness in Wells...			✓						
Stringer Plate, breadth and thickness in way } of Bridge									
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									
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness ...									
Bridge Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness ...									
Forecastle Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness ...									

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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	32 1/2"	.40	.40	.40	✓ 31"	SINGLE	3/4"	2 5/8	2	3/4	2 5/8	STRAPPED	
„ DBLG. (if any)	A 38"	.29	.24	.24	✓				✓				
BOTTOM PLATING, No. of of Strakes ... 2	B 32"	.29	.29	.24	✓	SINGLE	5/8	2 1/2	2	5/8	2 1/2	LAPPED	
BILGE PLATING, No. of Strakes 4	45"	.34	.24	.24	✓ 29 - 27	"	5/8	2 1/2	2	5/8	2 1/2	"	
SIDE PLATING, No. of Strakes 1	39"	.29	.24	.24	✓	"	5/8	2 1/2	2	5/8	2 1/2	"	
UPPER DECK, Sheer- strake in Wells	48 1/2"	.34	.24	.24	✓	"	5/8	2 1/2	2	5/8	2 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...			✓										
STRAKE BELOW Sheer- strake in Wells			✓										
STRAKE BELOW Sheer- strake in Bridge ...			✓										
POOP SIDE PLATING			✓										
BRIDGE SIDE PLATING ...			✓										
FOREC'TLE SIDE PLATING			✓										

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	4
" Deck next below	✓
As per Rule	4

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		FLAT PLATE.		
STEM		ROLLED BAR 5" x 1/8"		
STERN FRAME { Propeller Post		5 1/2"		
{ Rudder		FORGING 5" x 1/8"	EMMERSON WALKER	Forged Steel
Speed of Vessel		9 1/2 KNOTS		✓
RUDDER—Type		FORGING	EMMERSON WALKER	
" A x D		19.54		Rudder stock of.
" Diam. of head		3.25		Forged Steel
" Mainpiece at top pintle		3.545		Forged Steel
" " heel ...		2.45		
" how constructed		STEEL PLATE		RIVETED TO ARMS
" double or single plate coupling, vertical or horizontal		SINGLE .60 THICK		✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks			✓		
" " Second			✓		
" " Third			✓		
" " Holds	No 13	28 x 24	5 x 3 x 38	30"	✓
" " " " " "	28.	34 x 24	5 x 3 x 38	30"	✓
COLLISION	(in Hold)	34	28 x 24	5 x 3 x 38	24"
AFTER PEAK	"	3	28 x 24	5 x 3 x 38	30"
			4 x 2 1/2 x 24		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Consent, Dorman Long & Cargo Fleet
	Has the Steel been tested as required by the Rules?
	Yes.

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.)

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Passenger Ferryboat

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

1st Bower

2nd "

3rd "

None.

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 ☒ *see letter*

Official No. *148,814* Signal Letters Extreme Breadth over Belting *18'-9¹³/₁₆"* Over-all Length *80'-0" V*
(Circ. 1611) (Circ. 1703)
No. and Material of Decks *One. plated over in way of casing etc. Stringer & Tie plates elsewhere, Wood Deck all over*
Parts of Bottom of Vessel coated with cement or approved composition *Bottom cemented.*

Particulars of composition (if fitted) and of approval *none.*

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
NONE 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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	<i>9</i>	<i>6</i>	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. *5582*

Date *10.5.39*

Dates of Surveys held while building

1939
July 3. 6. 11. 17. 19. 24. 25. 26. 28. 31. Aug. 1. 9. 15. 21. 25. 28. Sep. 8. 12. 15. 20. 26. 29. Oct. 4. 19. 23. 31. Nov. 1. 14. 17. 22. 28. Dec. 6. 14. 19. 27. 1940
Jan. 5. 10. 24. 30. Mar. 4. 15. 21. Apr. 18. May 7.

Total No. of Visits *47*