

STEEL STEAMER or MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **YES**

WRECK SECTION.

State if Report is sent on the Machinery of the Vessel **YES**No. **326.**Date of completion of report **12th JUNE 1943.**Port of **GREENOCK.**No. **22354.**Survey held at **PORT GLASGOW.**Date First Survey **12th AUGUST 1942.** Last Survey **4th JUNE 1943.**On the **SINGLE SCREW STEAMER "EMPIRE FLORIZEL"**State Type **C.S.S. No TONNAGE OPENING FREEBOARD 18" IN EXCESS OF VESSEL WITH TONNAGE OPENING 9.** State Type of Erections **FORECASTLE.**TONNAGE under Tonnage Deck... **6601.37**CLASS **100 A.1**State if with freeboard as condition of Class **YES.**Built at **PORT GLASGOW**Do. of space or spaces between Tonnage Dk. and Upper Dk. **✓**Length from fore part of stem to after part of stern } **L 425.0**
most on summer L.W.L. See Sec. 3 (1a) }Launched **APRIL 21st 1943.** Yard No. **990**Total **✓**Breadth (greatest moulded) **B 56.0**Builders **LITHGOWS LIMITED**HIS MAJESTY REPRESENTED BY THE
Owners **MINISTER OF WAR TRANSPORT**Gross Tonnage **7055.78**Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 36.83**Managers **J+C HARRISON**Register Tonnage **4813.72**1st Longitudinal Number (L x D) **= 15194**

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

2nd Numeral L x (B + D) **= 38994**Residence **LONDON.**REGISTERED DIMENSIONS.
FEET.Length **432.7**Framing Depth "d," at middle of length. See Sec. 3 (1d) **23.9**Breadth **56.2**Proportions—Depth to Length—Uppermost continuous deck to top of keel **11.55**Port of Registry **GREENOCK**Depth **34.25**Do. Long Bridge to top of keel **✓**

If surveyed while building, afloat, or in dry dock

Draught Moulded **26' 1 1/2****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	31	✓	Bracket Floors, Frame	BA. 6 3 1/2 7/16	✓
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	BA. 6 3 1/2 3/16	✓
" " in peaks	24	✓	" " Vertical Struts	BA. 10 3 1/2 40	✓
IDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 54	✓
Frame Amidships, Angle, E or C	12 3 1/2 56	✓	" " top Angles	3 1/2 3 1/2 48	✓
" " Extends up to	2 nd Dk	✓	" " bottom Angles	4. 4 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 @ 38	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	44 x 54	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side	6 1/2 6 1/2 62 1/2 T	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	6 3 1/2 38	✓	" " Bracket abaft 1/2 len. from stem	6 1/2 6 1/2 62 1/2 T	✓
" " Second 'tween Decks, Angle, E or C	✓		" " Vertical Angle to Tank side	6 1/2 6 1/2 62 1/2 T	✓
" " Third " " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	42 EVERY FRAME	✓
" " from 1/2 len. for'd. to 15% len. from Stem	15 x 4 x 4 50% 62 CHAN.	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	42 EVERY FRAME	✓
" " in Peaks, Angle or C	8 3 1/2 35	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	42 EVERY FRAME	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 7 D IAS BOTTOM	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	77 x 44	✓
" " " " " "	7/8 @ 6 1/2 " SIDES	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES	✓	Breadth and thickness of Middle Line Strake	83 x 50	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	Thickness of remainder in Holds	44 - 40	✓
Are the scantlings and arrangements in way of the Bottom Forward 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	✓
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	10 3 1/2 42	✓
Height of Brackets at side above base line at toe of frame			" " in Walls, Angle, E or C		
Middle Line Keelson, on Floors, Angles, E or C			" " in way of Bridge, Angle, E or C		
" " Through Plate or Intercostal Plate			Spacing	31	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or C	12 3 1/2 45	✓
" " Flat Plate Keel Angles			Spacing	31	✓
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or C	✓	
" " thickness of Intercostal Plate			Spacing	✓	
" " Angles			Fourth Deck, amidships, Angle, E or C	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	42 EVERY 38 th FRAME	✓	Poop Deck, Angle, E or C	✓	
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	32 1/4 x 42	✓	Bridge Deck, Angle, E or C	✓	
" " breadth and thickness at margin plate	32 1/4 x 42	✓	Spacing	✓	
			Forecastle Deck, Angle, E or C	8 3 1/2 42	✓
			Spacing	27 x 24	✓

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 ✓ 35			
" " " " " REINFORCED HATCH SIDE GIRDERS				Thickness of Plating abreast Deck openings in way of Bridge ✓			
" in Holds " " HATCH END BEAMS INCREASED				Thickness of Plating within line of openings... 35 ✓			
" " " " " AS PER CIRCULAR S 972/42 ✓				If Sheathed, material and thickness ✓			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing..... 62" APART 12 3/2 45 ETC ✓				Stringer Plate, breadth and thickness..... ✓			
Plating, thickness of 30				If Plated, state thickness..... ✓			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness..... ✓			
Stringer Plate, breadth and thickness in Walls 72 x .70 SEE CIRCULAR				If Plated, state thickness ✓			
" " " " in way of Bridge ✓ M.S. 972/42				Poop Deck.			
" Angle in Walls 6 6 5/8 ✓				Stringer Plate, breadth and thickness ✓			
Thickness of Plating abreast Deck openings in way of Wells 70 x .65 ✓				Plating, Sheathing, material and thickness ✓			
Thickness of Plating abreast Deck openings in way of Bridge ✓				Bridge Deck.			
Thickness of Plating within line of openings... 40 ✓				Stringer Plate, breadth and thickness..... ✓			
If Sheathed, material and thickness NONE ✓				Plating, Sheathing, material and thickness ✓			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Walls 72 x .40 ✓				Stringer Plate, breadth and thickness..... 36 ✓			
				Plating, Sheathing, material and thickness 32 INSHEATHED ✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				State if jogged? NO ✓				
	AMIDSHIPS.	FORWARD.	AFT.		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	52	.78	.68	.68	DOUBLE	7/8	3 3/4	FOUR	1 4 LAPPED
" DBLG. (if any)									
BOTTOM PLATING, No. of Strakes FOUR	2 @ .60	.50	.50		"	"	"	FOUR 7/8 3 1/2	WELDED
BILGE PLATING, No. of Strakes ONE	2 @ .65	.50	.50		"	"	"	WELDED MIDSHIPS TREBLE AT ENDS	WELDED
SIDE PLATING, No. of Strakes FOUR	.63	.50	.50		"	"	"	3 3/8	LAPPED
UPPER DECK, Sheer-strake in Walls	.62	.46	.46		"	"	"	TREBLE	3 3/8
UPPER DECK, Sheer-strake in Bridge	58	.69	.46	.46	"	"	"	FOUR	3 1/2
STRAKE BELOW Sheer-strake in Walls	58	.65	.46	.46	"	"	"	FOUR	3 1/2
STRAKE BELOW Sheer-strake in Bridge									
POOP SIDE PLATING									
BRIDGE SIDE PLATING									
FORECASTLE SIDE PLATING		.40			SINGLE	7/8	3 1/2	SINGLE 7/8 3 3/8	LAPPED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	7	7 BH (Call 6 Wdk, 6 to 2nd dk) 5 divisional W.T. BH in 'tween decks
Extending to Upper Deck (Sec. 3 c)	6	NOTE: ALL BULKHEADS IN HOLDS ASSESSED TO HEAD TO 2ND DK
Deck next below	1	
As per Rule	7	see paper 44

STIFFENERS.

	Plating Thickness.				
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper 'tween decks	.26	6 x 3 1/2 x 3/8	27" 430"		
" " Second "					
" " Third "					
" " Holds	85	44-26 1/2 x 3 1/2 x 45 BA	27" 430"		
COLLISION " (in Hold)	54	29 1/2 x 3 1/2 x 45 BA	24" 45 BA	24" 45 BA	24" 45 BA
AFTER PEAK "	48	30 7/8 x 3 x 35 BA	24" 45 BA	24" 45 BA	24" 45 BA

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				FLAT PLATE KEEL ✓
STEM				LOWER PORTION ROLLED 10 x 2 1/2 PLATES ✓
STERN FRAME	Propeller Post	CASTING	LINED SEE PLAN	BEARDMORE
	Rudder	"	"	"
Speed of Vessel		10 1/2	KNOTS	
RUDDER-Type		DOUBLE PLATE	STREAM LINED	
" A x D		570		
" Diam. of head	FORGING	12"	BEARDMORE	
" Mainpiece at top pintle	CASTING	10 1/2 x 10 5/8	BEARDMORE	
" " heel	"	6 x 10 5/8		
" how constructed		COMPLETE CAST STEEL FRAME		
" double or single plate		DOUBLE .46		
" 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)
	COLVILLE, STEEL CO OF SCOTLAND, LANARKSHIRE ✓
	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.)

This vessel is of the Y5 type & similar to the Empire Falstaff. Rpt No. 22342.

Facing reports are forwarded herewith

The plans & specification have been supervised & a copy of the completing certificate is herewith enclosed.

All tween deck bulkheads are completely closed & made watertight & lugged steel watertight doors P & S are fitted in the tween deck bulkheads between 2 & 3. Long Dhs & between 3 & the side bumpers.

It is the intention of the Owners to fit sparring at the first opportunity.

Port fittings for the E. S. D. are fitted but the apparatus is not supplied.

Circular M.S. 972/42 has been fully complied with.

PARTICULARS OF ELECTRIC WELDING (if employed) Heads & heels of solid pillars, cruiser stern, boss plating, corners of bulkheads & tank ends, butts of stringer bar, auxiliary steering seats & tunnel stools, thrust seat, ventilators, corners of hatch coaming bars, bilge stake butts amidships, vertical butts of W.T. & center line bulkhead, gussets to tank sides.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN, D. F., LLOYD A & C.P.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45.2.13	AE G : 1312 : 16.6-41.
	2nd "	39.2.11.	AE G.: 1164 : 25.4.41.
	3rd "		

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39.4 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated
Official No. 169,503. Signal Letters Extreme Breadth over Belting Over-all Length 447.6

No. and Material of Decks 2.DKS.
Parts of Bottom of Vessel coated with cement or approved composition Flat of bottom in boiler room tank covered with cement, elsewhere cement wedges at seams & butts
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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	67.16	257	Fore peak tank,		122
Double bottom, under Engines and Boilers, +1 Coff D	47.33	194	After peak tank,		172
Double bottom, if under Engines only,			Deep tank, aft, P&S, TUNNEL SIDES.	56.83	485
Double bottom, if under Boilers only,			Deep tank, forward, P&S. NO.1 HOLD.	14.0	368
Double bottom, forward,	193.91	723	Other tanks, if fitted, E.R. WINGS	20.66 P	384
Total length (if continuous) and Capacity	305	1174	(If necessary, furnish further information by sketch.)	23.25 S	

Order for Special Survey No. 3504

Date 27th OCT. 1942

Dates of Surveys held while building

(1942) AUG. 12. SEPT. 18. OCT. 13. 16. NOV. 2. 6. 10. 12. 13. 16. 18. 23. 27. DEC. 1. 3. 8. 11. 14. 21. 23. 25. 29. 30.

(1943) JAN. 5. 6. 7. 8. 13. 15. 19. 21. 26. 28. FEB. 1. 11. 16. 22. 23. 25. 26. MAR. 1. 5. 9. 15. 19. 20. 22. 24. 29.

APRIL 1. 6. 11. 13. 14. 15. 16. 19. 20. 21. MAY 5. 11. 21. 25. 26. 27. 28. 31. JUNE 1. 2. 4.

Total No. of Visits 40.