

STEEL STEAMER MOTORSHIP.

Received at London Office

17 OCT 1928

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 12th October 1928Port of GREENOCKNo. 18968Survey held at PORT GLASGOWDate First Survey 11th November 1924Last Survey 2nd October

1928

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

SINGLE SCREW MOTOR VESSEL "WINTON"

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

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENINGSState Type of Erections F.C.L.E. ONSHEETERTONNAGE under Tonnage Deck... 4017.02CLASS 100 A.I.State if with freeboard as condition of Class YESBuilt 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 post on summer L.W.L. See Sec. 3 (1a) L 373.5Launched AUGUST 8th 1928 Yard No. 404

Total

Breadth (greatest moulded) B 53.25Builders W^m HAMILTON & Co

Gross Tonnage

4387.77Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 36.25Owners THE AVENUE SHIPPING CO LTD

Register Tonnage

2570.221st Longitudinal Number (L x D) = 13539.37Managers BIRT, POTTER & HUGHES LTD

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

2nd Numeral L x (B + D) = 33428.25Residence LONDON

REGISTERED DIMENSIONS.

FEET.

Length

375.2Framing Depth "d" at middle of length. See Sec. 3 (1d) 24.00

Breadth

53.5Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.3

Depth

25.75Do. Long Bridge to top of keel 25' 0 1/4"

If surveyed while building, afloat, or in dry dock

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	30"		Bracket Floors, Frame	0A.. 5 1/2 3 1/2 44	
" " from 1/4 length to Collision bulkhead	27"		" " Reversed Frame	0A 5 1/2 3 1/2 38	
" " in peaks	24"		" " Vertical Struts	0A 5 1/2 3 1/2 38	
FRAMING.			Centre Girder, depth and thickness amidships	4 1/4 x 54	48A7 DUCT KEEL
Frame Amidships, Angle, E or C	12 3 1/2 57		" " top Angles	3 1/2 3 1/2 52	
" " Extends up to	2 nd Dk.		" " bottom Angles	4 4 58	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE @ 40	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	46 x 52	
Depth of Framing Girder	12"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2 3 1/2 48	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 3 1/2 35		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 48	
" " Second 'tween Decks, Angle, E or C	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	CONTINUOUS. 6-7/8 RIVETS	+2 1/4 WAY OF OIL FUEL.
" " Third " " " "	7 1/2 3 1/2 37		" " Gussets, spacing and scantling forward 1/4 len. from stem	CONTINUOUS. 9-7/8 RIVETS	
Spacing in Peaks, Angle or C	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	75 x 48	
Number and Spacing of Rivets through Frame and Shell Plating amidships	3/8 ABOUT 5 1/4		INNER BOTTOM PLATING.		
Is Frame Joggled	YES.		Breadth and thickness of Middle Line Strake	5 1/4 x 50	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	(see letter) 4 (3) DEEP STRINGERS. DEEP FRAMING. 12 x 3 1/2 x 52 BA WITH 7 x 3 1/2 x 52 OA FORMING 1 1/2" GIRDER. 2 EXTRA INTERCOSTALS. DOUBLE FRAMES INCREASED RIVETING. INCREASED SHELL		Thickness of remainder in Holds	42	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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?	DIESEL ENGINES. SPECIAL CONSTRUCTION UNDER ENGINES.	
DOUBLE BOTTOM.			BEAMS.		
Frames, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	7 3 38	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or C	✓	
Double Line Keelson, on Floors, Angles, E or C			Spacing	30"	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, E or C	7 1/2 3 42	
" " Foundation Plate on Floors			Spacing	30	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or C		
Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, E or C		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or C		
Floors, thickness and spacing	40 EVERY 3RD		Spacing		
" " Are Frame and Reversed Frame joggled?	YES.		Bridge Deck, Angle, E or C		
" " Floors, breadth and thickness at middle line	31 1/2 x 40		Spacing		
" " breadth and thickness at margin plate	31 1/2 x 40		Forecastle Deck, Angle, E or C	6 3 32	
			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	CENTRE LINE BULKHEAD IN		Stringer Plate, breadth and thickness in way of Bridge	✓
" in 'tween Decks, Size and Spacing.....	HOLDS WITH REINFORCED		Thickness of Plating abreast Deck openings in way of Wells	.35
" " " " " " " "	HATCH END BEAMS CENTRE		Thickness of Plating abreast Deck openings in way of Bridge	
" in Holds " " " "	ROW OF PILLARS IN TWN		Thickness of Plating within line of openings...	.33
" " " " " " " "	Dxs 2 3/8" DIA SPACED 60"		If Sheathed, material and thickness	NOT SHEATHED
Centre Line Bulkhead.	BA 1/4 x 3/2 SPACED 60" IN HOLDS		Third Deck.	
Stiffeners and Spacing.....			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 Wells	62 3/4 x 62 App 56 1/2 x 52		If Plated, state thickness	
" " " " " in way of Bridge	✓		Poop Deck.	
" " " " " Angle in Wells	5 5 62 App 5.5 x 52		Stringer Plate, breadth and thickness	
Thickness of Plating abreast Deck openings in way of Wells	.45 App .42		Plating, Sheathing, material and thickness	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.	
Thickness of Plating within line of openings...	.36		Stringer Plate, breadth and thickness.....	
If Sheathed, material and thickness	Composition in Accommodation		Plating, Sheathing, material and thickness	
Second Deck.			Forecastle Deck.	
Stringer Plate, breadth and thickness in Wells	66 3/4 x 38 App 63 x 38		Stringer Plate, breadth and thickness.....	34 x 34
			Plating, Sheathing, material and thickness	34 NOT SHEATHED

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.	
	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		.74	.65	.65	(rebutted)	DOUBLE	1"	4	FOUR	1"	4"
" DBLG. (if any) ✓		.89									
BOTTOM PLATING, No. of Strakes	THREE	.56	.48	.48		"	7/8	3 1/2	THREE	7/8	3 1/8
BILGE PLATING, No. of Strakes	ONE	.56	.48	.48		"	"	"	"	"	"
SIDE PLATING, No. of Strakes	FIVE	.56	.46	.46		"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells	81	.77	.46	.46	App .67	"	"	"	FOUR	"	3 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											
FORECASTLE SIDE PLATING			.40			SINGLE	7/8	3 1/2	SINGLE	7/8	3 1/8

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—SEVEN.

Extending to Upper Deck (Sec. 3 c) ONE (COLLISION BND TO SHELTER DECK)

" Deck next below SIX.

As per Rule SIX.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds		44-26	12 x 4 x 38	27"	✓
COLLISION " (in Hold)		54-30	10 x 3 1/2 x 48	24"	2 SEMI-BOX BEAMS
AFTER PEAK "		47-30	8 x 3 x 38	24"	TUNNEL RECESS

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	FLAT PLATE KEEL		✓
STEM	✓	ROLLED STEEL 10 x 2 1/2		✓
STERN FRAME { Propeller Post	✓	CAST 10 3/8 x 7 3/8	WITKOWITZER BERGHAU.	✓
{ Rudder	✓	STEEL 9 x 7 3/8		✓
RUDDER—A x D.....		437-58		✓
Speed of Vessel.....		UNDER 10 KNOTS		✓
RUDDER mainpiece at head	FORGING.	9 1/2	PORTLAND	✓
" " heel		7 1/4	FORGE	✓
" how constructed	✓	FORGED ARMS SHRUNK ON MAINPIECE		✓
" double or single plate	✓	SINGLE 1.06		✓
" coupling, vertical or horizontal	✓	HORIZONTAL 6-27 3/8 BOLTS.		✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (OPEN HEARTH PROCESS)

STEWART & LLOYDS, STEEL CO OF SCOTLAND, SCOTISH IRON & STEEL CO, DUNLOP, COLVILLE, BEARDMORE, LANARKSHIRE.

Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No. 33922-88												LETTER <i>y</i>	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.				
60897	1st Bower ...	60	1	7	STOCKLESS			48	10	0	0	60	BYERS TYPE	S. TAYLOR & SONS	TIPTON, 8/2/28, W. A. DRYSDALE
61098	2nd „ ...	60	1	7	—			48	10	0	0	60	“	“	“ 24/28 “
60898	3rd „ ...	51	2	21	—			43	7	3	7	50½	“	“	“ 8½/28 “
	Collective weight.	172	1	7	✓							✓ 170½ ✓			
6439	Stream	17	1	0	4	1	21	18	8	3	0	16¼	RODGERS FORGED IN G. S. L.	—	GLASGOW 30/4/28 L. HAFNER.

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cyts.	Fathoms.	Ins.									
4039	270	2 ³ / ₁₆	86 ³ / ₈	120 ¹ / ₂	659.0	21	645 ³ / ₄		270	2 ³ / ₁₆	SPD LINK	S. TAYLOR & SONS.	GLASGOW, 30/4/28, L. HAFNER	TOWLINE ...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.
														HAWSERS & WARPS }	2@90	2 ³ / ₄	15 ¹ / ₂	2@90	2 ³ / ₄
															2@90	2 ¹ / ₂	12 ¹ / ₂	2@90	2 ¹ / ₂
Iron Stream Chain Steel Wire	90	4 ³ / ₄		47					90	4 ³ / ₄				"					
														"					

Steering Gear, ~~Steam~~ **HASTIE ELECTRO-HYDRAULIC.** Steering Gear, Hand **BLOCKS & TACKLE WORKED FROM WINCH.**
 Boats **2 LIFEBOATS. 26'-0"** **1 CUTTER 16'-0"** Steering Chains, Size and Test ☒ Windlass **CLARKE, CHAPMAN, ELECTRIC.**
 Ceiling in Holds, thickness and material **2 1/2" W. P. OYER BILGE ST LINDER** Hatchways. **Hatchways.** Cargo Battens, thickness, material and spacing **6" 2" W. P. SPACED 9"**
 Cargo Hatchways. (Upper Deck) **32 x 44 COAMING.** Thickness of Hatches **2 1/2" SOLID**
 Size of No. 1 Hatchway (Forward) **33'-9" x 20'-2 1/2" No. 2 35' x 20'-2 1/2" No. 3 25' x 20'-2 1/2" No. 4 32'-6" x 20'-2 1/2" No. 5 35' x 20'-2 1/2" No. 6** ☒
 Number of Shifting Beams ~~and/or Fore and Afters~~ **No 1 = 6 : No 2 = 6 : No 3 = 4 : No 4 = 6 : No 5 = 6 :**

WILLIAM HAMILTON & CO. (1928) Limited

Builder's Signature

William Hamilton

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans and in general conformity with the Society's rules for the class contemplated.

The workmanship is good and the materials used in the vessels construction are also good. The double bottom tanks, fore & aft peak tanks, and deep tank have been tested to rule requirements & found satisfactory.
 All weather decks were hose tested & found satisfactory.
 The pumps & watertight doors were tested & found satisfactory.
 The freeboard has been assigned & the marks cut in on the vessel's side after verification.

The amount of Entry Fee £ 8 : 0 : 0
 Special Survey Fee £ 294 : 8 : 0
FREEBOARD 9 : 3 : 4.
 Travelling Expenses, if any £ : :

Fees applied for,
 13th SEPTEMBER 1928
 Received by me,
 14th SEPTEMBER 1928

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 *Kenneth Inglis*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to **GREENOCK OFFICE** Date of issue **23/10/28.**

Committee's Minute **GLASGOW 16 OCT 1928**

Character assigned **+ 100 A1**

with freeboard

10.28.

Lloyds accp.

+ LMC 10.28.

11/12



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Lloyd's Register Foundation

W663-01612

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.)

The following plans are herewith enclosed.

Midship Section.
Profile & Deck Plans.
Midship Section as built.
Profile & Deck Plans as built.
Bulkheads.
Rudder & Stern Frame.
Pillars & Girders.
Amended Stern frame & Rudder.
Pumping arrangement.
Forging reports on Stern frame & Rudder.

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

1st Bower 33.0.22 : J Q : 877 : 31/12/27.
2nd „ 33.3.2 : N B : 3616 : 28/3/28.
3rd „ 27.1.9 : J Q : 270 : 31/12/27.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft., ^{ON SHELTER DK} 29.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book).

1 DK (Stl) & SHELTER DK (Stl)

Official No. 160,571. ; Signal Letters

Is bottom of Vessel coated with cement ☒ No if not give

particulars of composition BARE STEEL IN WAY OF OIL FUEL.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	100	487	Fore peak tank,		179
Double bottom, under Engines and Boilers,			After peak tank,		221
Double bottom, if under Engines only,	47.5	306	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, MIDSHIPS,	27.5	1050
Double bottom, forward,	171.5	649	Other tanks, if fitted,		
Total capacity of double bottom		1442	(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					
319.0					

Order for Special Survey No. 3242

Date 14th November 1924

Dates of Surveys held while building

(1924) Nov. 11. 18. 21. (1928) Jan. 30. Feb. 2. 3. 13. 15. 20. 22. 29. Mar. 1. 2. 5. 4. 8. 9. 13. 15. 16. 19. 21. 23. 24. 28. 30. April 2. 4. 5. 10. 13. 19. 20. 26. May 1. 3. 4. 9. 10. 11. 15. 16. 14. 18. 21. 22. 24. 25. 28. 30. June 1. 4. 6. 4. 8. 11. 12. 13. 14. 15. 18. 20. 22. 25. 24. July 10. 12. 20. 24. 25. 24. 31. Aug. 4. 8. 14. 23. 29. Sept. 5. 10. 12. 25. Oct. 2.

Total No. of Visits 85