Rpt. No. UPPER 60

STEEL STEAMER OR MOTORSHIP.

Received at London Office 25 JUL 1952

State if Report has been sent on the Freeboard of the Vessel No

State if Report is sent on the Machinery of the Vessel Yes.

Date of completion of report 25 JUN 1952 Port of LIVERPOOL No. 135496

Survey held at NORTHWICH. Date First Survey 5/7/51 Last Survey 28/3/1952

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) MOONLIGHT. (MACHINERY FITTED AFT — SINGLE SCREW).

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING. State Type of Erections RAISED Q.DECK.

TONNAGE under Tonnage Deck ... 119·10

...ce or spaces ...Tonnage Dk. ...per Dk. ✓

119·10

...age 163·81

...nnage 64·20

TERED DIMENSIONS

FEET

85·5

19·6

10·45

CLASS +100A1 COASTING SERVICE WITH LIMITS AS REQUIRED. State if with freeboard as condition of Class No.

FEET

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 85'-0"

Breadth (greatest moulded) B 19'-6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 10'-8½"

1st Longitudinal Number (L × D) .....=

2nd Numeral L × (B + D) .....=

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

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

Do. Long Bridge to top of keel

Draught Moulded 9-3

Built at NORTHWICH

Launched 6TH DECEMBER 1951 Yard No. 878.

Builders W. J. YARWOOD & SONS LTD.

Owners MESSRS ROSS AND MARSHALL LTD.

Managers OTTO.

(Where necessary to be entered in Reg. Book)

Residence JAMES WATT DOCK, GREENOCK.

Port of Registry GREENOCK.

If surveyed while building, afloat, or in dry dock WHILE BUILDING.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
...IES, Spacing amidships		20"		
„ from ⅜ length amidships to Collision bulkhead		20		
„ in peaks FORE PEAK / AFTER PEAK		19 / 20		
...FRAMING.				
...ne Amidships, Angle, ~~Bulb~~ (HoLO)	3½	2½	⅜	
„ Extends up to	UPPER DECK			
...rsed Frame Amidships, Angle	2½	2½	⅜	
Brackets ~~to~~ FROM LOWER TURN OF BILGE TO BEAM KNEE ON UPPER DECK.				
...h of Framing Girder (HoLO)		3½		
...nes in Uppermost Continuous 'tween Decks, Angle, [or [				
„ Second 'tween Decks, Angle, [or [				
„ Third „ „ „ „				
... from ½ len. for'd. to 15% len. from Stem	3½	2½	⅜	
... in Peaks, Angle ~~Bulb~~	3½	2½	5/16	
...eter and Spacing of Rivets through Frame and Shell Plating amidships	⅝	9	4¾	
... if Frame Joggled		NO		
...the scantlings and arrangements in the ...nting Area in accordance with the Rules ...d/or as approved ?		YES		
...he scantlings and arrangements in way ...the Bottom Forward in accordance with ...e Rules and/or as approved ?		YES.		
...E BOTTOM.				
...s, Depth and thickness at mid-line in Holds	TANK	12		
Height of Brackets at side above base line at toe of frame	"	NONE		
...e Line Keelson, on Floors, Angles ~~Bulb~~ (DOUBLE)	3	3	5/16	
„ „ ~~Thick~~ Plate or Intercostal Plate		5/16	(⅜ B.R.)	
„ „ Foundation Plate on Floors		NONE		
„ „ „ Flat Plate Keel ~~Angles~~		WELDED.		
Side Keelsons, No. each side		ONE		
„ „ thickness of Intercostal Plate		5/16		
„ „ Angles (SINGLE)	4	3	5/16	
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing				
„ „ Are Frame and Reversed Frame joggled ?				
Bracket Floors, breadth and thickness at middle line				
„ „ breadth and thickness at margin plate				

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame				
„ „ Reversed Frame				
„ „ Vertical Struts				
Centre Girder, depth and thickness amidships				
„ „ top Angles				
„ „ bottom Angles				
Side Girders, No. each side and thickness				
Margin Plate depth (excl. of flange) and thickness				
„ „ Vertical Angle to Tank Side Bracket abaft ¼ len. from stem				
„ „ Vertical Angle to Tank Side Bracket from forward ¼ len. from stem to Panting Area				
„ „ Gussets, spacing and scantling abaft ¼ len. from stem				
„ „ Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area				
Tank Side Brackets, height above base line at toe of Frame and thickness				
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake				
Thickness of remainder in Holds				
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 ?				
BEAMS.				
Uppermost Continuous Deck, amidships in Wells, Angle, [or [	3½	2½	⅜	(ACCOMT HATCH)
„ „ in way of ~~Bridge~~, Angle, [or [WINCH FORE	4	2½	⅜	(AT SIDE)
Spacing	24	2½	⅜	
		20		
Second Deck, amidships, Angle, [or [				
Spacing				
Third Deck, amidships, Angle, [or [				
Spacing				
Fourth Deck, amidships, Angle, [or [				
Spacing				
R.Q. Poop Deck, Angle, [or [	3½	2½	⅜	
Spacing		20		
Bridge Deck, Angle, [or [				
Spacing				
Forecastle Deck, Angle, [or [				
Spacing				

5c.8,50. T. (MADE AND PRINTED IN ENGLAND.)

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PILLARS AND DECKS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows (ONE PILLAR ON ℄)	3" DIA.	
„ in 'tween Decks, Size and Spacing		
„ „ „ „ „		
„ in Holds „ „ „		
„ „ „ „ „		
Centre Line Bulkhead. Stiffeners and Spacing		
Plating, thickness of		
STRINGERS AND DECKS. **Uppermost Continuous Deck.** Stringer Plate, breadth and thickness ~~in Wells~~	36 × 5/16	
„ „ „ „ in way of Bridge	✓	
„ Angle ~~in Wells~~	3 3 5/16	
Thickness of Plating abreast Deck openings in way of Wells	✓	
Thickness of Plating abreast Deck openings in way of Bridge	3/8 AT BREAK	
Thickness of Plating within line of openings	5/16	
If Sheathed, material and thickness	NONE	
Second Deck. Stringer Plate, breadth and thickness in Wells	✓	

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
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		
R.Q.DK. ~~Poop~~ Deck. Stringer Plate, breadth and thickness	56 × 1/4	
Plating, Sheathing, material and thickness	PLATING 1/4 NO SHEATHING.	
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.

STRAKES.	AS IN VESSEL. Amidships. Breadth.	Amidships. Thickness.	Forward. Thickness.	Aft. Thickness.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
	Inches.	Inches.	Inches.	Inches.	
~~Flat Plate Keel~~ GARBOARD	54	5/16	.36	5/16	
„ Dblg. (if any)		NONE			
Bottom Plating, No. of Strakes ONE	42	5/16	5/16	5/16	APPROVED 1/4"
Bilge Plating, No. of Strakes ONE	54	3/8	3/8	3/8	Approved 1/4"
Side Plating, No. of Strakes ONE	56	5/16	5/16	5/16	Approved 1/4"
Upper Deck, Sheerstrake ~~in Wells~~	49	3/8	5/16	5/16	Approved 5/16"
Upper Deck, Sheerstrake in Bridge					
Strake below Sheerstrake in Wells					
Strake below Sheerstrake in Bridge					
Poop Side Plating					
R.Q DK ~~Bridge~~ Side Plating	48	3/8 AT BREAK		5/16	
Forecastle Side Plating					

RIVETING.

EDGES. State if joggled ?... NO. Single or Double.	Rivets. Diam.	Rivets. Spacing cr. to cr.	BUTTS. No. of Rows of Rivets.	Rivets. Diam.	Rivets. Spacing cr. to cr.	Strap
	Inches.	Inches.		Inches.	Inches.	
SINGLE (DOUBLE FRAME)	5/8	2 1/2	5 ROW WELDED.			
SINGLE	5/8	2 1/2	DOUBLE	5/8	2 1/4	LAP
SINGLE	5/8	2 1/2	DOUBLE	5/8	2 1/4	LAP
SINGLE	5/8	2 1/2	DOUBLE	5/8	2 1/4	LAP
SINGLE	5/8	2 1/2	DOUBLE	5/8	2 1/4	LAP
SINGLE	5/8	2 1/2	DOUBLE	5/8	2 1/4	LAP

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) THREE ✓

„ Deck next below ✓

As per Rule THREE. ✓

	Plating Thickness.	STIFFENERS. Vertical. Scantlings.	Vertical. Spacing.	Horizontal. Scantlings.	Horizontal. Spacing.
MIDSHIP BULKH'D, ~~Upper 'tween decks~~ (No 18 FR)	5/16 / 1/4"	5 × 3 × 5/16 O.A.	24/27"		
„ „ Second „					
„ „ Third „					
„ „ Holds					
COLLISION „ (in Hold)	.30 / .27	3 1/2 × 2 1/2 × 5/16	30"		
		6 × 3 × .30	21"		
AFTER PEAK „ „	5/16	3 1/2 × 2 1/2 × 5/16	24"		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.
KEEL, Bar (FLAT BAR)	M.S.	5 × 1 1/2	
STEM „	M.S.	5 × 1 1/2	
STERN FRAME Propeller Post	FORGING	6 × 2	T.S. FOSTER SUNDERLAND.
STERN FRAME Rudder „	„	6 × 2	
Speed of Vessel	EIGHT KNOTS.		
RUDDER—Type	SINGLE PLATE		
„ A × D		30	
„ Diam. of head		3 1/2	FORGE
„ Mainpiece at top pintle		3 7/8	
„ „ „ heel		2 3/4	
„ how constructed	RIVETED.		
„ double or single plate	SINGLE		FIFE
„ coupling, ~~vertical~~ horizontal	10 5/8 DIA. 1 1/4 TH.		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) APPLEBY FRODINGHAM & Co Ltd. (OPEN HEARTH).

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

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EQUIPMENT No. ..... LETTER ..... ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
974	1st Bower ...	7	0	21				9	9	1	14		STOCKLESS.	PAR B. HINDLEY & SONS LTD.	CRADLEY HEATH 15/6/51 H. PHILLIPS.
	2nd ,, ...														
	3rd ,, ...														
	Collective weight	7	0	21											
52	Stream	4	0	7	1	0	7	6	10	0	0		ORDINARY PATTERN D.W. (IRON STOCK)	DITTO	DITTO 20/6/51.

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
052	60	7/8	13·75	20·6	25 : 0 : 16				STUD LINK.	B. HINDLEY & SONS LTD.	CRADLEY HEATH. 26/6/51 H. PHILLIPS.
		Cir.									
Stream Wire	45	2¾	✓	21·1				Cir.	GALV. PLOW STEEL	BRITISH ROPES LTD.	TESTED AT BRITISH ROPES DONCASTER

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms	Cir. Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms	Cir. Ins.
TOWLINE ...	75	2	11·2		
HAWSERS & WARPS	90	3" (HEMP)			
"					
"					

Steering Gear, Type (Power or hand) HAND. Alternative Means of Steering BLOCKS AND TACKLE

Steering Chains (Size and Test) 3/4" D.A. (CERT No. L.P.H.C 12995) TESTED GT, 15 CWTS, 0 QRS, 0 LBS. Windlass TYPE (STEAM) 6" DIA. 15" STROKE CLARKE CHAPMAN STANDARD Boats 14'-0" CLASS A.

Ceiling in Holds, thickness and material 2½" WHITE PINE Cargo Battens, thickness, material and spacing 6"x2" W.P. 12" CENTRES.

Cargo Hatchways.—(Upper Deck) ONE HATCH. COVERS FITTED F. & A. 5'-10" LONG W. PINE. Thickness of Hatches 2 5/8" WITH STEEL END BANDS.

Size of Hatchways No. 1 (Fwd.) 36'-0" x 13'-6" No. 2 — No. 3 — No. 4 — No. 5 — No. 6 —

Number of Shifting Beams Fore and Afters 5 BEAMS. (5/16" PLATE WITH 3 x 3 x ⅜ DOUBLE ANGLES TOP AND BOTTOM).

Builder's Signature W. J. YARWOOD & SONS LTD.

J. Buchanan MANAGING 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 (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. 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 SHIP HAS BEEN BUILT UNDER SPECIAL SURVEY IN CONFORMITY WITH THE SOCIETY'S RULES AND REGULATIONS AND SECRETARY'S LETTERS. THE SCANTLINGS AND ARRANGEMENTS OF THE SHIP ARE AS GIVEN IN THE REPORT AND AS SHOWN AND AMENDED ON THE APPROVED PLANS NOW FORWARDED. ALL MODIFICATIONS OR ADDITIONS TO THE ORIGINAL APPROVED ARRANGEMENTS MADE DURING CONSTRUCTION HAVE BEEN INDICATED ON THE PLANS AND HAVE BEEN APPROVED AS BEING IN ACCORDANCE WITH, OR BY STANDARDS EQUIVALENT TO, THE RULE REQUIREMENTS. THE PLANS OF MIDSHIP SECTION AND PROFILE AND DECKS SHEWING THE SHIP AS BUILT, NOW FORWARDED HEREWITH, HAVE BEEN CHECKED WITH THE APPROVED ARRANGEMENTS AND FOUND IN ORDER. FORE PEAK TANK TESTED IN ACCORDANCE WITH RULE REQUIREMENTS AND FOUND IN ORDER. THE MATERIAL AND WORKMANSHIP GOOD.

Amount of Entry Fee ..... £40 : 0 : 0
Special Survey Fee ..... £ : :
Travelling Expenses, if any ..... £ 7 : 15 : 6
Fees applied for, 26 JUN 1952 19
Received by me, 19

(Special notations, where part of class, to be stated.)

+100 A —

I am of opinion the Vessel should be Classed +100A1 COASTING SERVICE. FOR SERVICE COASTS OF SCOTLAND AND ISLANDS, LIVERPOOL, DUBLIN, AND SHEEPHAVEN (N. IRELAND).

whether the Vessel has been built under Special Survey YES.

Certificate to be sent to Liverpool Date of issue 10/4/52

Signature [signature] *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute LIVERPOOL 1 JUL 1952

Character assigned ✠ 100A1 Liv 3:52
For service Coasts of Scotland & the Islands, Liverpool, Dublin and Sheephaven (N. Ireland)
Lloyds A. & C.P.
✠ L.M.C. 4:52
T.S. (cl)

CLASSIFICATION CERTIFICATES WRITTEN

Date minute in Lyk. 24868

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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 L*
the Plans should be embodied.)

THE FOLLOWING IS A LIST OF APPROVED PLANS :-
GENERAL ARRANGEMENT (NOTED).
PROFILE AND DECK PLAN.
SHELL EXPANSION & BULKHEADS
STERNFRAME & RUDDER.
SECTION THRO HULL
ENGINE BED AND BOILER CRADLE

SPECIAL NOTATIONS :—*Either as required by the Rules or for information to be entered in the Register Book.*
CRUISER STERN ; MACHINERY ART.

Particulars of **Drop Test** of Cast Steel Anchors, viz. Weight, Surveyor's Initials, Number of Certificate, Date of Test.
1st Bower 4 cwts ; 0 qrs ; 23 lbs A.H.G. No 8981 23/5/46
2nd ,,
3rd ,,

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 32-9½ ft., Bridge ✓ ft., Forecastle ✓
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 183547 Signal Letters MQNS Extreme Breadth over Belting (Circ. 1611) 20'-6" Over-all Length (Circ. 1703) 88'-0"

No. and Material of Decks ONE STEEL DK.

Parts of Bottom of Vessel coated with cement or approved composition 30'-5"

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 inc

Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,		
Double bottom, under Engines and Boilers,		
Double bottom, if under Engines only,		
Double bottom, if under Boilers only,		
Double bottom, forward,		
Total length (if continuous) and Capacity		

Where Fitted.	Length.	Water C
Fore peak tank,	12'-6"	
After peak tank,		
Deep tank, aft,		
Deep tank, forward,		
Other tanks, if fitted,		
(If necessary furnish further information by sketch.)		

Order for Special Survey No.
Date
Dates of Surveys held while building: 5/7/51 to 28/3/52
Total No. of Visits

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