

STEEL STEAMER OF MOTORSHIP.

23 APR 1935

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 Yes.

Date of completion of report

April 18th 1935

Port of

Aberdeen

No. 18037

Survey held at

Aberdeen

Date First Survey November 16th 1934

Last Survey

April 13th 1935

On the

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

Steel, single screw JOLLY DAYS.

Full Scantling

State Type of Erections R.Q.D. + F.D.

State Type

TONNAGE under
Tonnage Deck...

230.12

GLASS

100.A.1.

State if with freeboard
as condition of Class

no.

Built at Aberdeen

Launched March 7th 1935 Yard No. 132.

Builders John Lewis & Sons Ltd.

Owners Fred W. Harlock.

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

Residence Mistley, Essex.

Port of Registry Harwich.

If surveyed while building, afloat, or in dry dock

First Entry.

Total

230.12

ss Tonnage

351.11

ster Tonnage

181.60

REGISTERED DIMENSIONS.

FEET.

Length

130.75

Breadth

25.15

Depth

8.8

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

L 130.25

Breadth (greatest moulded)

B 25.0

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

M.D. 9.58

DR.Q.D. 13.08

1st Longitudinal Number (L x D)

= 1237.375

2nd Numeral L x (B + D)

= 4493.625

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

U.D. 8.5

R.Q.D. 12.0

ENG. SPACE 10.5

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

13.70

Do. 10.01 to top
of keel

10.01

Draught Moulded

9.5 1/2

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.
AMES, Spacing amidships throughout	21"	✓	Bracket Floors, Frame	✓	✓
" " from 1/2 length to Collision bulkhead	✓	✓	" " Reversed Frame	✓	✓
" " in peaks	21"	✓	" " Vertical Struts	✓	✓
E FRAMING.			Centre Girder, depth and thickness amidships	✓	✓
Frame Amidships, Angle, E or F	4" 2 1/2" 35"	✓	" " top Angles	✓	✓
ENG. SPACE	4" 2 1/2" 32"	✓	" " bottom Angles	✓	✓
" " Extends up to	Uppermost D.	✓	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 Bracket abaft 1/2 len. from stem	✓	✓
Depth of Framing Girder	4"	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	✓	✓
Frames in Uppermost Continuous Tween Decks, Angle, E or F	4" 2 1/2" 28"	✓	" " Girders, spacing and scantling abaft 1/2 len. from stem	✓	✓
" " Second Tween Decks, Angle, E or F	Double frames fore of 56 in flat of Bottom.	✓	" " Girders, spacing and scantling forward 1/2 len. from stem	✓	✓
" " Forecastle	4" 2 1/2" 38"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	✓
" " Third	4" 2 1/2" 37"	✓	INNER BOTTOM PLATING.		
Frame in Peaks, Angle, E or F	4" 2 1/2" 27"	✓	Breadth and thickness of Middle Line Strake	✓	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4" rivets 7 dia apart (in 5/8" peaks for 3/4" L and in 5/8" flat tanks 5/8" dia) Yes.	✓	Thickness of remainder in Holds	✓	✓
State if Frame Joggled	Yes.	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E & B space and framing in Parker and Boiler Room?	✓	✓
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	As per approved Plans.	✓	BEAMS.		
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	As per approved Plans.	✓	Uppermost Continuous Deck, FORWARD in Well, Angle, E or F	4" 3" 32" (6 3/4" x 3" x 32")	✓
DOUBLE BOTTOM. Floor increased in Bridel from 56 ft. to 66 ft. 6 in.		✓	" " HALF BEAMS. in way of Bridge, Angle, E or F	3" 3" 30"	✓
Floors, Depth and thickness at mid-line in Holds	12" x 30" Plated 32" E.S. with 2 1/2" x 2 1/2" x 28" rev. Bar.	✓	" " Spacing of Beams	on every frame	✓
Height of Brackets at side above base line at toe of frame	28" Plated	✓	R. QUARTER		
Middle Line Keelson, on Floor, TOP Angles, E or F	3 1/2" 3" 29"	✓	Second Deck, amidships, Angle, E or F	4 1/2" 3" 35" (6 3/4" x 3" x 35")	✓
" " Through Plate	32" 6" 30"	✓	" " in way of after Peak	5" 3" 40"	✓
" " Intercoastal Plate	12" x 32" for 1/2 L (6 30"	✓	Half Beams at Casings 4" x 3" x 32"	on every frame	✓
" " Foundation Plate on Floors	3 1/2" 3 1/2" 31"	✓	Third Deck, amidships, Angle, E or F	DEEP BRACKETS 30"	✓
" " Flat Plate Keel Angles	2 1/2" x 2 1/2" x 32" (6 30"	✓	Spacing	on every frame	✓
Side Keelsons, No. each side	one	✓	Carl Beams.	4" 2 1/2" 27"	✓
" " thickness of Intercoastal Plate	28"	✓	Fourth Deck, amidships, Angle, E or F	✓	✓
" " Angles	5" 3" 18" (6 15"	✓	Spacing	on every frame	✓
" " Plated to shell	2 1/2" x 2 1/2" x 30" (6 1/2" L.	✓	W.T. Seat (Forward)	4" 3" 30"	✓
DOUBLE BOTTOM.		✓	Peep Deck, Angle, E or F	✓	✓
Solid Floors, thickness and spacing	19-27. DEEP TANK AT SIDES.	✓	Spacing	on every frame	✓
" " Are Frame and Reversed Frame joggled?	Plating 28" Coaming 32"	✓	Bridge Deck, Angle, E or F	3 1/2" 3" 30"	✓
Bracket Floors, breadth and thickness at middle line	Differences 5" x 3" x 34" 24" apart.	✓	Spacing	on alternate frames	✓
" " breadth and thickness at margin plate	Half 4" x 3" x 38" on every frame Floor 24" x 30" Plated 2 1/2"	✓	Forecastle Deck, Angle, E or F	5" x 3" x 42" (6 1/2" x 3" x 32")	✓
" " Spacing		✓	Spacing	on alternate frames	✓

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.	as approved.	✓	angle Stringer Plate, breadth and thickness in way of Bridge	8" 3" .25"	✓
" between Decks, Size and Spacing.	2 1/2" dia. on alternate frames.	✓	Thickness of Plating abreast Deck openings in way of Wells	2 1/2"	✓
" in Machinery Space.	2" dia. at 2 1/2" dia.	✓	Thickness of Plating abreast Deck openings in way of Bridge	✓ ✓ ✓	✓
" in Hold.	✓ ✓ ✓	✓	Thickness of Plating within line of openings	2 1/2"	✓
W48 frame in Engine Space. 13. frame.	12" x 30" 3/4" angle 1/2 x 3/4 x 30.	✓	If Sheathed, material and thickness	in Deck House 2 1/2" W. Wood.	✓
Centre Line Bulkhead. Below Break.	3" 3" .40"	✓	Third Deck. Stringer Plate, breadth and thickness	✓ ✓ ✓	✓
Stiffeners and Spacing	2 1/2"	✓	If Plated, state thickness	✓ ✓ ✓	✓
Plating, thickness of	2 1/2"	✓	Fourth Deck. Stringer Plate, breadth and thickness	✓ ✓ ✓	✓
STRINGERS AND DECK.			If Plated, state thickness	✓ ✓ ✓	✓
Uppermost Continuous Deck.	5 1/2" x 32"	✓	W.T. Seal (forward) Poop Deck. Stringer Plate, breadth and thickness	2 1/2"	✓
Stringer Plate, breadth and thickness in Wells	✓ ✓ ✓	✓	Plating, Sheathing, material and thickness	2 1/2"	✓
" " " in way of Bridge	✓ ✓ ✓	✓	Bridge Deck. Stringer Plate, breadth and thickness	36" x 26"	✓
" " " Angle in Wells forward	3" 3" .32"	✓	Plating, Sheathing, material and thickness	1 1/2" 12" x 35" 5" x 3 1/2" P. Pine	✓
Thickness of Plating abreast Deck openings in way of Wells	✓ ✓ ✓	✓	Forecastle Deck. Stringer Plate, breadth and thickness	2 1/2" 2 1/2" .25"	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓ ✓ ✓	✓	" angle	2 1/2" 2 1/2" .25"	✓
Thickness of Plating within line of openings forward	2 1/2"	✓	Plating, Sheathing, material and thickness	2 1/2" 2 1/2" .25" P. Pine	✓
If Sheathed, material and thickness forward	5" x 2 1/2" W. Wood.	✓	Waterway angle.	2 1/2" 2 1/2" .25"	✓
QUARTER Second Deck.	5 1/2" x 32"	✓			
Stringer Plate, breadth and thickness in Wells	5 1/2" x 32"	✓			

SHELL PLATING.

SCANTLINGS.				UPPER EDGES.		RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	State if Joggled?	NO.	BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.				No. of ROWS OF RIVETS.	RIVETS.		STRAPPER LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or, to or.		
	Inches.	Inches.	Inches.	Inches.				Inches.	Spacing or, to or.			
FLAT PLATE KEEL	36	4 1/2	40	37 + 4 1/2		4 1/2 Double	3/4	3	2 R. 1/2 L. 1/2 R.	3/4	2 5/8	Lapped
" DECK (if any)	A. 57	31	36	27 + 31		2 1/2 SINGLE 3/4 DOUBLE 1/2	3/4	2 1/2	2 R.	5/8	2 1/2	Lapped
BOTTOM PLATING, No. of Strakes	B. 51 1/2	"	34	"		2 1/2 Single	"	"	"	"	"	"
BILGE PLATING, No. of Strakes	C. 51 1/2	"	27	27		2 1/2 + 2 1/2 Single	5/8 + 3/4	2 1/2 + 3	"	"	"	"
SIDE PLATING, No. of Strakes	D. 51	"	"	"		2 1/2 Single	5/8	2 1/2	"	3/4 + 5/8	2 5/8 + 2 1/4	"
UPPER DECK, Sheer-strake in Wells	E. 42	40	27	"	52 at Break.	2 1/2 + 2 1/2 Single	5/8 + 3/4	2 1/2 + 3	2 R. 1/2 L. 1/2 R.	"	"	"
UPPER DECK, Sheer-strake in Bridge	F. 42 1/2	34	"	"		2 1/2 Single	5/8	2 1/2	2 R.	5/8	2 1/2	"
STRAKE BELOW SHEER-strake in Wells	D. 51	40	27	"		4 1/2 2 1/2 2 1/2 Single	3/4 + 5/8	3 + 2 1/2	3 R. + 2 R.	3/4 + 5/8	2 5/8 + 2 1/4	"
STRAKE BELOW SHEER-strake in Bridge	E. 42	34	"	27		2 1/2 Single	5/8	2 1/2	2 R.	5/8	2 1/2	"
BULWARKS, POOR SIDE PLATING	AFT. 29	25	25	25	34 at Break.				1 R.	"	"	"
BRIDGE SIDE PLATING	FOR. 33	"	"	"								
FORECASTLE SIDE PLATING				25		2 1/2 Single	5/8	2 1/2	1 R.	5/8	2 1/2	Lapped

FORGINGS and CASTINGS.	
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WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)					
Deck next below					
As per Rule + as approved.					
STIFFENERS.					
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
N ^o . O.	30"	3" x 5"	30"	17"	
MIDSHIP BULK'HD.	Upper tween deck	30"	3" x 5"	30"	17"
"	Second	19"	2 1/2" x 3"	30"	17"
"	OIL FUEL	19"	2 1/2" x 3"	30"	17"
"	Third	G	30"	1 1/2" x 8"	24"
"	Hold				
"	(in Hold)	65"	30"	3 1/2" x 3"	30"
"	AFTER PEAK	A.	36"	5 1/2" x 3"	30"

FORGINGS and CASTINGS.

	Forging.	Scantlings.	Maker's Name.	Plans to be
KEEL, Bar				
STEM	rolled steel	5 1/2 x 1 1/2	Scottish S & S	
STERN FRAME {	Propeller Post	Scraper 3 3/8 x 2 1/2	T.S. Gordon	
{	Rudder		Gunderson	
RUDDER—A x D		As approved	18.9.34	
Speed of Vessel		9. knots.		
RUDDER mainpiece at head ..		Scraper 3 3/4	T.S. Gordon	
		4 1/2 x 3 1/8	Coupling	
heel ..				
how constructed		Patent Balanced reaction R		
double or single plate		60"	Steel Co. of S	
coupling, vertical				
horizontal		12 1/2 dia. 1 1/2 flanges	60 1/2 x 1 1/2	

EQUIPMENT No 4963

LETTER *(2) e.*

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.	Cwts.			
817A.	1st Bower ...	8	2	6.	8 1/2			10	12	2	0.	8 1/2. ✓	"Britannic" C.S. HEAD	R. S. Green & Sons	C.H. 9.1.35. S.C. Paul.
8175.	2nd " ...	8	1	21.	"			10	12	2	0.	8. ✓	" " " " " "	" " " " " "	" " " " " "
✓	2nd " ...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Collective weight.	16	3	27								16 1/2. ✓			✓
8178.	Stream	2	3	8	2 1/4.			5	7	2	0	2 1/2. ✓	Ordinary F.W. bow	R. S. Green & Sons	C.H. 10.1.35. S.C. Paul.

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 63.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Weight Breaking Test of Steel Wire.	Length and Size per Table 63.			
	Length.	Diam.	Strain-Tons.	Break-Tons.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Inch.		Fathoms.	Inch.	Length.	Inch.
	Fathoms.	Inch.	Tons.	Tons.	Cwts. grs. lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.	Tons.	Fathoms.	Inch.		
0628	165	15 ¹⁶ / ₁₆	15 ¹⁶ / ₁₆	23 ¹⁴ / ₁₆	74.3.1.	74½	✓	165	15 ¹⁶ / ₁₆	Stud.	✓	C.H. 31.13.34. Paul.	TOWLINE... HAWSEERS & WARPS)	60 15. 90.	25 ⁶ / ₁₆ S.W. 7 COR. 25 ⁶ / ₁₆ S.W.	13.2 6A	60 15 90	25 ⁶ / ₁₆ 7 ¹ / ₁₆ 17.	✓ ✓ ✓
		Cir.							Cir.				"	✓	✓	✓	✓	✓	
0629 Gel Wire	45	2½	✓	10.8 (without!)		✓		45	2½	G.S.W. Gamcock, Sibby & Co. Liverpool.	7.12.24	"	✓	✓	✓	✓	✓	✓	

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 63.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Weight Breaking Test of Steel Wire.	Length and Size per Table 63.			
	Length.	Diam.	Strain-Tons.	Break-Tons.	Supplied.	Per Rule.	Length.	Diam.					Fathoms.	Inch.		Fathoms.	Inch.	Fathoms.	Inch.
0628	165.	15 ¹⁶ / ₁₆	15 ¹⁶ / ₁₆	23 ¹⁴ / ₁₆	74.3.1.	74 ¹ / ₂ .	✓	165.	15 ¹⁶ / ₁₆	Steel.	✓	C.M. 31.12.34. Paul.	TOWLINE... (HAWSEYS & WARPS)	60	25 ⁶ / ₁₆ S.W.	13-2	60	25 ⁶ / ₁₆ .	✓
		15.	7 COR.	15				7.	✓										
														90.	25 ⁶ / ₁₆ S.W.	6 A	90	1 ¹ / ₂ .	✓
		Ch.							Ch.				"	✓	✓	✓	✓	✓	
0629 Gel Wire	45	2 ¹ / ₂ .	✓	10.8 (without!)		✓		45	2 ¹ / ₂ .	G.S.W. Gamcock, Sibby & Co. Liverpool.	7.12.34	"	✓	✓	✓	✓	✓	✓	

Steering Gear, Steam *✓* Steering Gear, Hand *by John Lewis & Sons Ltd.*
 Boats *2 Lifeboats 16'0" x 5'9" x 2'3 1/2"* Steering Chains, Size and Test *5/8", 7, 12, 2, 0, 5-H, 10, 1, 35, 34966* Windlass HAND. *Clarke Chapman & Co. Ltd.*
S. C. Paul.
 Ceiling in Holds, thickness and material *2 1/2" White Wood.* Cargo Battens, thickness, material and spacing *none.*
 Cargo Hatchways.—(Upper Deck) *Steel plates & angles. Coamings—38"* Thickness of Hatches *2 1/2" White Wood.*
 Size of No. 1 Hatchway (Forward) *23'6" x 16'0"* No. 2 *29'9" x 16'0"* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*
 Number of Shifting Beams and/or Fore and Afters *No. 1 = 4. No. 2 = 5.* *Plates 14 1/4" x 15 3/4" x 3 1/2".*
Angles 3 1/2" x 3" x 1 1/2".
JOHN LEWIS & SONS Ltd.
 Builder's Signature *C. C. Wilson*

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

1st Bower
2nd "
3rd "

5.1.22, J. Dale. 3274, Sunderland. 21.12.34.
5.1.2 " 3235. " 1.5.34
✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 82.75 ft., Bridge ✓ ft., Forecastle 19.91
(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) **ONE DECK STEEL.**

Official No. 163011. : Signal Letters ✓

Is bottom of Vessel coated with cement **Yes.** if not

Particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	15.5.	43
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	7.0.	21
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, at sides 19-27. Port Starb ²	14.0.	20
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, " "	14.0.	20
Double bottom, forward,	✓	✓	Other tanks, if fitted, OIL FUEL TANK.	3.5.	12
Total capacity of double bottom		✓	(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. 1839

Date 19.9.34.

Dates of Surveys held while building

1934. Nov^r. 16. 21. 29. 30. Dec^r. 3. 4. 5. 10. 14. 17. 19. 24. 27.
1935. Jan^y. 3. 7. 10. 14. 18. 22. 28. Feb^y. 1. 5. 8. 12. 18. 21. 25.
March 2. 4. 6. 7. 12. 13. 18. 21. 25. April 2. 9. 12. 13.

Total No. of Visits 40.