

Rpt. 1.

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office

23 NOV 1941

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

WRECK SECTION.

No. 350

Date of completion of report

7th Nov. 1941

Port of

Glasgow

No.

64614

Survey held at

Glasgow

Date First Survey

7th Dec. 1939

Last Survey

1st November 1941

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

Single Screw M.V. "NOTTINGHAM"

State Type

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

C.S.S.

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck...

5506.44

CLASS

+100A1

State if with freeboard

Yes

Built at

Glasgow

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

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

L 450.0

Launched 12-8-41

Yard No. 576

Total

5506.44

Gross Tonnage

8532.28

Register Tonnage

5021.51

Breadth (greatest moulded)

B 60.0

Builders Alexander Stephen &amp; Sons Ltd.

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

D 39.42

Owners

Federal Steam Nav. Co. Ltd.

1st Longitudinal Number (L x D)

= 16951

Managers

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

2nd Numeral L x (B + D)

= 43951

Residence

London

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

ER 14.25

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

11.42

Port of Registry

London

Do. Long Bridge to top of keel

✓

If surveyed while building, afloat, or in dry dock

Yes

## REGISTERED DIMENSIONS.

FEET.

Length

457.55

Breadth

60.3

Depth

25.85

Draught Moulded

27-3 3/4

## 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	32 ✓		Bracket Floors, Frame	B.A. 6 3 1/2 48 ✓	
" " from 1/2 length amidships to Collision bulkhead	24 ✓		" " Reversed Frame	B.A. 6 3 1/2 39 ✓	
" " in peaks	21 ✓		" " Vertical Struts	Channel 8x3 1/2 x3 1/2 x42 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	45 56 ✓	
Frame Amidships	10x3 1/2 x3 1/2 x56 ✓		" " top Angles	double 3 1/2 3 1/2 50 ✓	
" " Extends up to	3rd dk ✓		" " bottom Angles	double 5 5 56 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one 40 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 56 ✓	
Depth of Framing Girder	10 ✓		" " Vertical Angle to Tank side	5 5 48 ✓	
Frames in Uppermost Continuous 'tween Decks	6x3 1/2 x3 1/2 x48 ✓		" " Bracket abaft 1/2 len. from stem	5 5 48 ✓	
" " Second 'tween Decks	do. ✓		" " Vertical Angle to Tank side	5 5 48 ✓	
" " Third	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	46 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	12x3 1/2 x3 1/2 x50 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	continuous plate ✓	
" " in Peaks	8x3 1/2 x35 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	do. ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 1/4 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	3-9 44 ✓	
State if Frame Joggled	Yes ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake	65 53 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds	46 ✓	
SINGLE BOTTOM.			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. space and framing in Bunkers and Boiler Room?	Yes ✓	
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships	8x3 1/2 x3 1/2 x52 ✓	
Middle Line Keelson, on Floors, Angles, [ or [			" " in Walls, Angle, [ or [	✓	
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [ or [	✓	
" " Foundation Plate on Floors			Spacing	32 ✓	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [ or [	10x3 1/2 x3 1/2 x56 ✓	
Side Keelsons, No. each side			Spacing	32 ✓	
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, [ or [	10x3 1/2 x3 1/2 x56 ✓	
" " Angles			Spacing	32 ✓	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [ or [	✓	
Solid Floors, thickness and spacing	44-10-8 ✓		Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Poop Deck, Angle, [ or [	✓	
Bracket Floors, breadth and thickness at middle line	33 1/2 x 44 ✓		Spacing	✓	
" " breadth and thickness at margin plate	33 1/2 x 44 ✓		Bridge Deck, Angle, [ or [	✓	
			Spacing	✓	
			Forecastle Deck, Angle, [ or [	8 3 1/2 35 7x3 1/2 x40 ✓	
			Spacing	24-21 ✓	



# 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.
<b>PILLARS, No. of Rows.....</b>	<i>Two</i>		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
"    in 'tween Decks, Size and Spacing.....	<i>widely</i>		Thickness of Plating abreast Deck openings in way of Wells .....	<i>.45</i>	<i>.40</i>
"    "    "    "    "    "	<i>Spaced</i>		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
"    in Holds    "    "	<i>pillars</i>		Thickness of Plating within line of openings...	<i>.39</i>	<i>.34</i>
"    "    "    "    "    "	<i>4</i>		If Sheathed, material and thickness .....	✓	
"    "    "    "    "    "	<i>AK guides</i>	✓			
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	<i>72 x 34</i>	<i>69 1/2 x 34</i>
Plating, thickness of .....	✓		If Plated, state thickness.....	<i>.30</i>	<i>.35</i>
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	<i>72 x .74</i>	<i>66 1/2 x .68</i>	If Plated, state thickness .....	✓	
"    "    "    "    in way of Bridge	✓		<b>Poop Deck.</b>		
"    Angle in Wells .....	<i>6 6 .68</i>	✓	Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	<i>.66</i>	<i>.60</i>	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	<i>.42</i>	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	<i>2 1/2 O.P.</i>	✓	Plating, Sheathing, material and thickness ...	✓	
<i>(locally in way of accom. &amp;)</i>			<b>Forecastle Deck.</b>		
<b>Second Deck.</b>			Stringer Plate, breadth and thickness.....	<i>.36</i>	✓
Stringer Plate, breadth and thickness in Wells...	<i>72 1/2 x .48</i>	<i>68 x .43</i>	Plating, <del>Sheathing</del> , material and thickness ...	<i>.36</i>	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	no	RIVETS.		No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		
FLAT PLATE KEEL .....	<i>61</i>	<i>.82</i>	<i>.72</i>	<i>.72</i>		<i>Double</i>	<i>1</i>	<i>4</i>	<i>Quad</i>	<i>1</i>	<i>4</i>
in way of dual keel	<i>61</i>	<i>1.00</i>				✓			<i>1 1/8</i>	<i>4 1/2</i>	<i>Lapped</i>
"    DBLG. (if any)	✓										
BOTTOM PLATING, No. of Strakes .....		<i>.65</i>	<i>.51</i>	<i>.53</i>		<i>Double</i>	<i>7/8</i>	<i>3 5/9</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>
BILGE PLATING, No. of Strakes .....		<i>.65</i>	<i>.51</i>	<i>.51</i>		"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....		<i>.63</i>	<i>.48</i>	<i>.48</i>		"	"	"	<i>Treble</i>	"	<i>3 1/8</i>
UPPER DECK, Sheer-strake in Wells.....	<i>61 3/4</i>	<i>.79</i>	<i>.48</i>	<i>.48</i>	<i>.72</i>	"	"	"	<i>Quad.</i>	"	<i>3 1/2</i>
UPPER DECK, Sheer-strake in Bridge ...	✓					"	"	"	<i>Quad</i>	"	<i>3 1/2</i>
STRAKE BELOW Sheer-strake in Wells.....		<i>.72</i>	<i>.48</i>	<i>.48</i>	<i>.68</i>	"	"	"	<i>Quad</i>	"	<i>3 1/2</i>
STRAKE BELOW Sheer-strake in Bridge ...	✓										
POOP SIDE PLATING .....	✓										
BRIDGE SIDE PLATING ...	✓										
FORECASTLE SIDE PLATING		<i>.42</i>				<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>7</i>	<i>6 div. W.T.</i>
Extending to Upper Deck (Sec. 3 c)	<i>7</i>	<i>BHs in upper</i>
"    Deck next below .....		<i>low. dks</i>
As per Rule .....	<i>7</i>	<i>(see page 4)</i>

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar .....</b>			<i>Flat plate</i>	
<b>STEM .....</b>			<i>lower portion 10x2 3/4 rolled steel bar.</i>	
<b>STERN FRAME</b>			<i>upper portion contains plate</i>	
Propeller Post .....			<i>fabricated</i>	<i>Colvilles</i>
Rudder .....			<i>as appd.</i>	<i>Const. Co.</i>
<b>Speed of Vessel.....</b>			<i>15 Knots</i>	
<b>RUDDER—Type.....</b>			<i>Ord. fabricated</i>	
"    A x D .....			<i>521</i>	
"    Diam. of head .....			<i>11 5/8</i>	
"    Mainpiece at top pintle			<i>fabricated by</i>	
"    "    heel ...			<i>rudder</i>	<i>builders</i>
"    how constructed .....			<i>as appd.</i>	
"    double or single plate			<i>.50</i>	
"    coupling, vertical or horizontal .....			<i>horizontal</i>	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<i>No. 111</i>					
<b>MIDSHIP BULKH'D, Upper tween decks</b>	<i>.25</i>	<i>3 1/2 x 3 x 30</i>	<i>27 3/4</i>	✓	
"    "    Second .....	<i>.27</i>	<i>3 x 3 x 25</i>	<i>29</i>	✓	
"    "    Third .....	✓	<i>6 x 3 1/2 x 38</i>	<i>30</i>	✓	
"    "    Holds .....	<i>.40</i>	<i>3 x 3 1/2 x 42</i>	<i>27</i>	✓	
<b>COLLISION</b> (in Hold) .....	<i>.50</i>	<i>34 7 1/2 x 45</i>	<i>24</i>	✓	
<b>AFTER PEAK</b> .....	<i>.70</i>	<i>30 6 x 3 1/2 x 34</i>	<i>24</i>	✓	

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth*

*Steel Co. of Scotland. — Colvilles Ltd. — Lanarkshire Steel Co. —*

*Consett Iron Co. — Dorman Long. —*

Has the Steel been tested as required by the Rules? *Yes*



EQUIPMENT No 45737 ✓												LETTER C+ ✓		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.			
99303	1st Bower ...	77	3	7	-	-	-	57	12	2	0	77 1/2	Stockless	S. Taylor & Sons	LPHN 12-10-40 Reef
99302	2nd „ ...	77	1	0	-	-	-	57	8	3	0	77 1/2	do.	do.	LPHN 10-10-40 Reef
	3rd „ ...											65 1/2	do.		
	Collective weight.														
99444	Stream .....	22	1	21	5	3	0	22	15	0	0	22 1/2	Iron Stock	do.	LPHN 26-11-40 Reef

## 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-ary.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.	Tons.	Length.	Cir.
112830	240	2 1/8	113	8	159	3	607	1-14		S. Taylor & Sons	LPHN 21-11-40						
116362	15				36	3-3				"	Ref.						
116363	15				37	0-3				"	Ref.						
116364	15				36	3-10				"	do.						
116365	15				36	2-17				"	do.						
	300																
Iron Stream Chain Steel Wire	120	5			52	8				Tyne Wire Rope							

Steering Gear, Type (Power or hand) *Brown Bros. Elect. Hyd. Alternative Means of Steering hand Brown Bros.* ✓

Steering Chains (Size and Test) *Windlass Elect. Clarke Chapman Boats 4* ✓

Ceiling in Holds, thickness and material *Insulated* ✓ *Cargo Battens, thickness, material and spacing No. 5 hold 6x2 W.P. @ 15" centres* ✓

Cargo Hatchways—(Upper Deck) *Steel plates & angles* ✓ *Thickness of Hatches 3" except No. 1 MacSween's steel hatch covers.* ✓

Size of Hatchways No. 1 (Fwd.) *18'x16'* No. 2 *32'x20'* No. 3 *21'4"x20'* No. 4 *32'x20'* No. 5 *26'8"x20'* No. 6 ✓

Number of Shifting Beams and/or Fore and Afters *No. 1 (MacSween's steel hatch covers), No. 2 - four, No. 3 - three, Nos. 4 & 5 - four!* ✓

Builder's Signature

*John Angus*

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 *Motorship*  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* 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).

*The materials and workmanship are good. The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and in conformity with the Rules for the Class contemplated. The vessel is constructed to carry oil fuel in deep oil fuel bunkers at sides and fore-end of machinery space, and in Nos. 3, 4 and engine room double bottom tanks, F.P. above 150°F. The tanks, decks, bulkheads, tunnel and W.T. doors have been tested in accordance with the Rules, and the requirements of Section 20 of the Rules have been complied with where applicable. The freeboard has been verified and the markings cut in on vessel's sides. Windlass and Steering gear tried under working conditions and found satisfactory.*

*NOTE: - Tonnage opening closed and bulkheads W.T. to upper deck.*

The amount of Entry Fee ..... £ 11 : 0 : 0 } Fees applied for,  
Special Survey Fee.... £ 413 : 6 : 0 } *11 NOV 1941*  
Travelling Expenses, if any £ 19 : 0 : 0 } Received by me,

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

*We are*  
*in* of opinion the Vessel should be Classed *+100A1*  
*with freeboard*

State whether the Vessel has been built under Special Survey

Signature

Surveyors to Lloyd's Register of Shipping.

Certificate to be sent to

GLASGOW

Date of issue

17/12/41

Committee's Minute

GLASGOW 11 NOV 1941

Character assigned

-1- 100A1

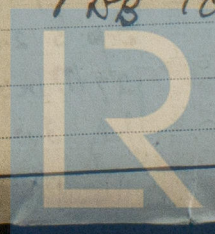
11.41

with fld.

Lloyd's Assoc.

-1- Lmc 11.41 oil Eng.  
100 100 lb.

Rate Equ.



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Lloyd's Register  
Foundation

W1201-0125 2/2



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.)

Sister Vessel "GLOUCESTER" Gls. Rpt. No. 64110.  
Midship Section as built forwarded in advance.

List of approved plans forwarded herewith:—

Midship Section	Tunnel	T. & B. roller gear
Profile & decks	Fore & after end eng. rooms D.B. tanks	Max. eng. & tank hatch cover
Fore end framing	Bridge deck plating	Casings on bridge dk.
Stern framing	Boat dk.	Tween dk casing
W.T. bulkheads (3)	Engine casing	W.T. boxes
Oil fuel bunkers (2)	Midship deckhouse	Diesel Generator Seat
Pillars & Girders (2)	Strengthening of D.B. fwd.	Shell doors
Rudder	Engine seating	Twisting tables
Fabricated stern frame	Cargo hatch webs	Pumping plan
	3 forgings & fabricated structure certificates	Insulation

NOTE. Owners now "Federal Steam Nav. Co. Ltd."

A.W.P.

PARTICULARS OF ELECTRIC WELDING (if employed) Stern frame, Rudder, Oil fuel bunkers, & other items of minor importance.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. With freeboard, oil engine, wireless, cruiser stern, duct keel fwd. of mach. space, 2 dks.—3rd. dk. clear of machinery space, Lloyd's A. & C.P. E.S.D., D.F., R.M.C. Collision bulk to W. dk.—7 bulkheads to 2nd dk.—6 divisional W.T. bulkheads in upper tween decks. NOTE:—Third bow anchor to supply after the war.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 51-0-2 — R.D.D. — No. 30509 — 24-3-39. 2nd " 51-1-0 — F.H. — No. 20293 — 31-3-39. 3rd "
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 40 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 168227 Signal Letters Extreme Breadth over Belting ☒ Over-all Length 473'-0" (Circ. 1611) (Circ. 1703)  
No. and Material of Decks 2 dks, 3rd. dk. clear of machy. space. 3 dks  
Parts of Bottom of Vessel coated with cement or approved composition Fore peak, After peak, & No. 2 F. & A. double bottom tanks.  
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,	125.33	121	Fore peak tank,		80
Double bottom, under Engines and Boilers,			After peak tank,		173
Double bottom, if under Engines only,	66.66	438	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	183.83	490	Other tanks, if fitted,		
Total length (if continuous) and Capacity (including cofferdams)	378.5	1049	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6478

Date 3. 10. 39

Dates of Surveys held while building

1939 Dec: 7. 18. 26 (1940) Jan: 5. 10. 16. 30 Feb: 7. 15. 20. 23. 27 Mar: 1. 12. 14. 15. 20. 21. 27. 29 Apr: 3. 9. 10. 17. 24. 29. 30 May: 8. 13. 15. 20. 23. 30 June: 6. 12. 19. 27 July: 5. 9. 15. 19. 24. 29 Aug: 8. 14. 20. 29 Sep: 5. 12. 19 Oct: 8. 17. 24. 25 Nov: 1. 7. 15. 21. 28 Dec: 5. 17. 27 (1941) Jan: 14. Feb: 3. 11. 20. 26 27 Mar: 11. 20. 27 Apr: 7. 10. 16. 17. 21. 24 May: 5. 9. 15. 19. 23. 28 June: 3. 6. 10. 11. 18. 25. 27 July: 3. 10. 29 Aug: 1. 5. 11. 12. 19. 29 Sep: 5. 18. 26 Oct: 2. 6. 15. 16. 19. 25. 29 Nov: 1

Total No. of Visits 1110