

STEEL STEAMER or MOTORSHIP.

28 AUG 1941

Received at London Office

DISCLOSED

SECTION

No. 481

DISCLOSED

SECTION

No. 481

No. 20483.

Date of completion of report 27th August, 1941.

Port of LEITH.

Survey held at Burntisland.

Date First Survey 25th Feb, 1941.Last Survey 21st August 1941.

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

STL. SCL. SCL. STR "NORTON"

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

Hulk Deck with freeboard.

State Type of Erections

TONNAGE under Tonnage Deck

6809.

CLASS 100. A.1. with freeboard.

State if with freeboard as condition of Class

yes.

Built at Burntisland.

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 412.0

Breadth (greatest moulded)

B 57.67

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

D 28.75

1st Longitudinal Number (L x D)

= 15141.

2nd Numeral L x (B + D)

= 38899.

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

24.63.

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

10.91.

Draught Moulded

27.07

Launched 8th July 1941. Yard No. 248.

Builders The Burntisland S.S. Co. Ltd.

Owners R. Chapman & Son.

Managers

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

Residence Maritime Buildings, Newcastle/Tyne.

Port of Registry NEWCASTLE.

If surveyed while building, afloat, or in dry dock

while building & afloat.

REGISTERED DIMENSIONS.

FEET.

Length 420.0.

Breadth 58.0.

Depth 35.3.

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.
WELLS, Spacing amidships	30	✓	Bracket Floors, Frame	6 3/2 .43	✓
" from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	6 3 .35	✓
" in peaks	24	✓	" " Vertical Struts	8 3/2 x 3/2 .42	✓
FRAMING.			" " Vertical Struts	6 3 .35	✓
Frame Amidships, Angle, E or F	12 3/2 .64	✓	Centre Girder, depth and thickness amidships	4 3/4 x .54	✓
" " Extends up to	2 nd DECK.	✓	" " top Angles	DOUBLE 3 1/2 3/2 .48	✓
Reversed Frame Amidships, Angle	4 3/2 .50 AS PER PLAN	✓	" " bottom Angles	DOUBLE 4 4 .58	✓
" " Extends up to	BEAM KNEE TO TANK BK.	✓	Side Girders, No. each side and thickness	ONE .35	✓
Depth of Framing Girder	12	✓	Margin Plate depth (excl. of flange) and thickness	4 0/2 x .54	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3/2 7/16	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 .47	✓
" " Second 'tween Decks, Angle, E or F	4 AS PER APPROVED PLAN.	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	- Do. -	✓
" " Third	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	EVERY .41.	✓
" from 1/2 len. for'd. to 15% len. from Stem	12 3/2 .64	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	CONTINUOUS PLATE .42 FR 134-142.	✓
" " in Peaks, Angle, E or F	13 1/2 4 .48	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	80 3/4 x .47.	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 RIVETS SPACED 5 1/4 APART ON THE AVERAGE - CLOSED UP AT BILGE.	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	YES.	✓	Breadth and thickness of Middle Line Strake	5 3/4 x .52	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES & AS APPROVED.	✓	Thickness of remainder in Holds	.45 x .50	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES & AS APPROVED.	✓	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.	✓
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	8 3/2 .35	✓
Height of Brackets at side above base line at toe of frame			" " in Walls, Angle, E or F	7 1/2 x 3 1/2 x .34	✓
Middle Line Keelson, on Floors, Angles, E or F			" " in way of Bridge, Angle, E or F	✓	
" " Through Plate or Intercoastal Plate			Spacing	30	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or F	9 3 .37	✓
" " Flat Plate Keel Angles			Spacing	8 3 .41.	✓
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or F	30	✓
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, E or F		
Spacing			Spacing		
Poop Deck, Angle, E or F			Bridge Deck, Angle, E or F		
Spacing			Spacing		
Forecastle Deck, Angle, E or F			Forecastle Deck, Angle, E or F		
Spacing			Spacing		

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS , No. of Rows... <i>Two Rows widely spaced</i>					
and centre line bulkhead					
"	in 'tween Decks, Size and Spacing.....	<i>L</i>	<i>as per approved plan.</i>		
"	" " " " "				
"	in Holds	<i>I</i>	<i>as per approved plan.</i>		
"	" " " " "				
Centre Line Bulkhead.					
Stiffeners and Spacing.....		<i>Stiffeners</i>	<i>as per</i>		
on alternate beams.		<i>approved plan.</i>			
Plating, thickness of					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		<i>71</i>	<i>x</i>	<i>72</i>	<i>✓</i>
"	" " " " in way of Bridge	<i>✓</i>			
"	Angle in Wells	<i>6</i>	<i>6</i>	<i>72</i>	<i>✓</i>
Thickness of Plating abreast Deck openings)		<i>.59</i>			
in way of Wells					
Thickness of Plating abreast Deck openings)		<i>.50</i>	<i>-</i>	<i>.49</i>	<i>✓</i>
in way of Bridge <i>CASING</i>					
Thickness of Plating within line of openings...		<i>.40</i>			
If Sheathed, material and thickness		<i>No sheathing</i>			
Second Deck.					
Stringer Plate, breadth and thickness in Wells...		<i>68 1/2</i>	<i>x</i>	<i>40</i>	<i>✓</i>
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		<i>Composition oak beam</i>			
Third Deck.					
Stringer Plate, breadth and thickness.....					
If Plated, state thickness.....					
Fourth Deck.					
Stringer Plate, breadth and thickness.....					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness ...					
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.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No.</i>			BUTTS.				
	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	<i>52</i>	<i>.81</i>	<i>.71</i>	<i>.71</i>		<i>DOUBLE</i>	<i>7/8</i>	<i>3/3</i>	<i>QUAD + TREBLE</i>	<i>1"</i>	<i>3/4</i>	<i>LAPPED.</i>	
" DELG. (if any)													
BOTTOM PLATING, No. of Strakes	<i>A. 76 3/8</i> <i>B. 70 1/8</i> <i>C. 65 1/8</i> <i>D. 61 5/8</i>	<i>.65</i> <i>.60</i> <i>.65</i> <i>.60</i>	<i>.69</i> <i>"</i> <i>.54</i> <i>"</i>	<i>.50</i> <i>"</i> <i>"</i> <i>"</i>	<i>.62 ON STERN FRAME.</i>	<i>DOUBLE</i>	<i>7/8</i>	<i>3/3</i>	<i>QUAD + TREBLE</i>	<i>7/8</i>	<i>3/8</i>	<i>LAPPED.</i>	
BILGE PLATING, No. of Strakes	<i>E. 76 3/8</i> <i>F. 76 3/8</i> <i>G. 76 3/8</i>	<i>"</i> <i>"</i> <i>.65</i>	<i>"</i> <i>.46</i> <i>"</i>	<i>.46</i> <i>.46</i> <i>.45</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>TREBLE</i>	<i>"</i>	<i>"</i>	<i>"</i>	
SIDE PLATING, No. of Strakes	<i>H. 76 3/8</i> <i>I. 76 3/8</i>	<i>.60</i> <i>.60</i>	<i>"</i> <i>"</i>	<i>"</i> <i>"</i>	<i>.46 Per 24" frame spacing see letter</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Wells	<i>L. 79</i>	<i>.73</i>	<i>.46</i>	<i>.45</i>		<i>DOUBLE</i>	<i>7/8</i>	<i>3/3</i>	<i>QUAD + TREBLE</i>	<i>1 1/8"</i>	<i>3/8</i>	<i>LAPPED.</i>	
UPPER DECK, Sheer-strake in Bridge ...	<i>K. 77 1/8</i>	<i>.60</i>	<i>.46</i>	<i>.45</i>		<i>DOUBLE</i>	<i>"</i>	<i>"</i>	<i>TREBLE</i>	<i>7/8</i>	<i>3/8</i>	<i>LAPPED.</i>	
STRAKE BELOW Sheer-strake in Wells	<i>M. 82 1/8</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
STRAKE BELOW Sheer-strake in Bridge ...		<i>✓</i>						<i>✓</i>					
POOP SIDE PLATING		<i>✓</i>						<i>✓</i>					
BRIDGE SIDE PLATING ...		<i>✓</i>						<i>✓</i>					
FOREC'TLE SIDE PLATING		<i>✓</i>						<i>✓</i>					

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

Deck next below.

As per Rule

SEVEN.

		2 ND DECK.		STIFFENERS. <i>TH</i> DECK.			
Plating Thickness.		VERTICAL.		HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks		38. 29-39	APPROVED. 11 x 3 1/2 x 60 1/2	30 12 x 3 1/2 x 53 1/2	33 3/4	<i>SEE APPROVED PLAN.</i>	
"	Second	64. "	"	"	"		
"	Third	83. 29-45	"	"	"		
"	Holds	93. 29-39	"	"	"		
COLLISION (in Hold)		160. 49-32	7 x 3 x 38 1/2	4 SEE PLAN.	24		
AFTER PEAK		11. 34-30	8 x 3 x 48 1/2	27	"		
		8. 70-48	4 SEE PLAN.	24.	"		

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

STEEL.

The Steel Co. of Scotland, Consett Iron Co. L^d, Colville, L^d, Dorman Long & Co. L^d, Skinningrove Iron Co. L^d,
Lancashire Steel Co. L^d, Cargo Fleet, Appleby Frodingham Steel Co. L^d, South Durham S^tl Co. L^d.

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 a sister ship to the same Builder No. 233. S.S. "MERTON" 2nd Report No. 20463.

The following plans are forwarded herewith:—

Midship Section — Amended Midship Section — Profile & Decks,
Pumping Plan — Deck Girders & Pillars. — Amended Pillar Head,
Tween Deck Pillars, welded connections — Amendment to stringer angles,
Tank Bracket Suspect Angle — Amendment to Tank Girders,
Modification to Tank Bracket Connections,
Arrangement of Plug Welding, Tank Bracket Suspect,
Proposed Centre Line Runner Connection to Beams on Upper Deck,
Fabricated Stern Frame,
Fabricated Stern Frame, (for welding.)
Fabricated Budder.
Fabricated Budder. (for welding.)
Welding Details of Mainpiece to fabricated Budder.
Modified Budder Coupling.
Stern Framing.
W.T. Tween Deck Bulkheads.
Bunker Plan.
Welded Mast & Derrick Posts.
Welded Butt in Stern Post.
Amended Arrangement of Plate Stem.
Proposed welded shell connection of after peak stringers.
General Arrangement.
Forging & Casting Reports, (4 off.)

PARTICULARS OF ELECTRIC WELDING (if employed) Fabricated Stern Frame, Fabricated Budder, Awe, engine seats, Mast & derrick posts, Tank gussets to margin, base plates, small items & deck fittings.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Cruiser Stern; one dk & shelter dk; D.F.; No wood hatch covers to 2nd deck.

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

1st Bower

cast - 9 - lbs.

39-3-18 — J.T. — 3297 — 11.7.40.

2nd "

39-3-15 — J.T. — 3304 — 16.7.40.

3rd "

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

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒ No belting ☒ filled

Official No. 165815

Signal Letters B.C.P.Q.

Extreme Breadth over Belting

58.0'

Over-all Length

436.0'

No. and Material of Decks

2. steel.

Parts of Bottom of Vessel coated with cement or approved composition

The inside of the double bottom & bilges, fore & aft, cemented at all shell landings, double bottom in way of boilers, covered with cement; remainder of tanks, i.e., floors, girders, intercostals, shell & underside of tank, cement washed.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	No. 7. 57.5	109	Fore peak tank,	23.09	158.
Double bottom, under Engines and Boilers,	No. 6. 70.0	279	After peak tank,	22.00	277.
Double bottom, if under Engines only,	No. 5. 20.0	97	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	No. 4. 20.0	103	Deep tank, forward,	✓	
Double bottom, forward,	No. 3. 47.5	247	Other tanks, if fitted,	✓	
Total length (if continuous) and Capacity	No. 2. 80.0	378	(If necessary, furnish further information by sketch.)	✓	
	No. 1. 61.0	149			
	356.0	1362.			

Order for Special Survey No. 2038

Date 16/8/40.

Dates of Surveys held while building

1941.
Feb. 25th, 27th Mar. 4th, 10th, 14th, 20th, 24th, 28th, 31st April 16th, 24th, 29th May 7th, 12th, 20th, 23rd
27th, 30th June 2nd, 4th, 6th, 10th, 13th, 18th, 23rd, 27th July 8th, 29th Aug 1st, 5th, 6th, 8th, 18th, 19th, 21st.

Total No. of Visits

35.