

STEEL STEAMER or MOTORSHIP.

APR 17 1940

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

15th April 1940

Port of

LEITH

No.

20067.

Survey held at

Burntisland

Date First Survey

25th July 1939

Last Survey

8th April

1940

On the

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

St. Sgle. Sc. Sp.

CHARLBURY

State Type

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

Complete Superstructure with Tonnage Opening

State Type of Erections

C.S.S. with

Sunk Fels.

TONNAGE under Tonnage Deck

4254.17

CLASS 100 A.1. with freeboard

State if with freeboard as condition of Class Yes

Built at

Burntisland

No. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

4835.81

Register Tonnage

2800.91

REGISTERED DIMENSIONS.

FEET.

Length

416.0

Breadth

57.0

Depth

25.3

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

L 405.0

Breadth (greatest moulded)

B 56.67

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

D 28.08

8.00

1st Longitudinal Number (L x D)

= 36.08

2nd Numeral L x (B + D)

= 37564

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

23.44

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

11.00

Do. Long Bridge to top of keel

✓

Draught Moulded

25'-1 7/8"

Launched 27 Dec. 1939

Yard No. 238

Builders

The Burntisland S.B. Coy. Ltd.

Owners

Alexander Shipping Co. Ltd.

Managers

Copper Alexander & Co.

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

Residence 4 St. Mary Axe—London E.C.3

Port of Registry

London

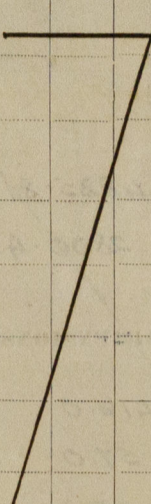
If surveyed while building, afloat, or in dry dock

While 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	6 3/4 38 ✓	
" " from 3/4 length amidships to Collision bulkhead	37" ✓		" " Reversed Frame	6 3 34 ✓	
" " in peaks	24" ✓		" " Vertical Struts	8 3/4 32 42 ✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	48 54 ✓	
Frame Amidships, Angle, [or [	12 3 1/2 52 ✓		" " top Angles	3 1/2 3 1/2 47 ✓	
" " Extends up to	2 nd Deck		" " bottom Angles	4 4 53 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 37 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 1/4 54 ✓	
Depth of Framing Girder	12"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 1/2 6 1/2 55 ✓	W.P. 50
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	6 3 1/2 35 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	- 80 - ✓	
" " Second 'tween Decks, Angle, [or [	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous plate 42 ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	- 80 - 42 0 27" spacing ✓	
" " from 1/4 len. for'd. to 15% len. from Stem	12 3 1/2 52 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	78 44 ✓	
" " 1/2 L from to 15% from stem	12 3 1/2 55 ✓		INNER BOTTOM PLATING.		
" " in Peaks, Angle or [	7 1/2 3 1/2 37 ✓		Breadth and thickness of Middle Line Strake	60 1/4 50 44 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 Rivets spaced 5 3/4" ✓		Thickness of remainder in Holds	43 39 ✓	
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 Bunkers and Boiler Room?	Yes ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓ as approved ✓		BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓ as approved ✓		Uppermost Continuous Deck, amidships in Wells, Angle, [or [	7 1/2 3 1/2 36 ✓	
ANGLE BOTTOM.			" " in way of Bridge, Angle, [or [✓	
Floors, Depth and thickness at mid-line in Holds			Spacing	30" ✓	
Height of Brackets at side above base line at toe of frame			Second Deck, amidships, Angle, [or [	9 3 37 ✓	
Middle Line Keelson, on Floors, Angles, [or [			Spacing	30" ✓	
" " Through Plate or Intercostal Plate			Third Deck, amidships, Angle, [or [
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, [or [
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Poop Deck, Angle, [or [
" " Angles			Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, [or [
Solid Floors, thickness and spacing	4 1/2 every 4 th frame ✓		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes ✓		Forecastle Deck, Angle, [or [	7 3 36 ✓	
Bracket Floors, breadth and thickness at middle line	4 1/2 41 ✓		Spacing	24" ✓	
" " breadth and thickness at margin plate	4 1/2 41 ✓				

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.....	Two rows widely spaced & centre line Bulkhead		✓	Stringer Plate, breadth and thickness in way of Bridge	✓				
„ in 'tween Decks, Size and Spacing.....	as per plan		✓	Thickness of Plating abreast Deck openings in way of Wells .....	.39	✓			
„ „ „ „ „	L			Thickness of Plating abreast Deck openings in way of Bridge	✓				
„ in Holds „ „	I		as per plan	Thickness of Plating within line of openings...	.34	✓			
„ „ „ „ „				If Sheathed, material and thickness	No Sheathing	✓			
Centre Line Bulkhead.				Third Deck.					
Stiffeners and Spacing.....	5 stiffeners on alternate beams		as per plan	Stringer Plate, breadth and thickness.....					
Plating, thickness of	30 x 26		✓	If Plated, state thickness.....					
STRINGERS AND DECKS.				Fourth Deck.					
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....					
Stringer Plate, breadth and thickness in Wells.....	77 x 59		✓	If Plated, state thickness					
„ „ „ „ in way of Bridge	✓			Poop Deck.					
„ Angle in Wells	6 6 x 59		✓	Stringer Plate, breadth and thickness					
Thickness of Plating abreast Deck openings in way of Wells	57		✓	Plating, Sheathing, material and thickness ..					
Thickness of Plating abreast Deck openings in way of Bridge	✓			Bridge Deck.					
Thickness of Plating within line of openings...	38		✓	Stringer Plate, breadth and thickness.....					
If Sheathed, material and thickness	No Sheathing		✓	Plating, Sheathing, material and thickness ..					
Second Deck.				Forecastle Deck.					
Stringer Plate, breadth and thickness in Wells...	81 1/4 x 39		✓	Stringer Plate, breadth and thickness.....	.40	✓			
	Buttise Composition airt in way of accommodation		Appx 82 3/4	Plating, Sheathing, material and thickness ...	{ .36 .30 where sheathed	✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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	62"	✓ 77	✓ 67	✓ 67	✓	Double ✓	7/8 ✓	3 1/3 ✓	Quad. to treble ✓	1" ✓	3 1/2 ✓	Lapped ✓	
„ DELG. (if any)		✓				✓							
BOTTOM PLATING, No. of Strakes	A 82 3/8	✓ 58	✓ 49	✓ 49	✓	Double ✓	7/8 ✓	3 1/3 ✓	Treble ✓	7/8 ✓	3 1/8 ✓	Lapped ✓	
BILGE PLATING, No. of Strakes	B " "	✓	✓ 58	✓	✓	"	"	"	"	"	"	"	
	C 85 3/4	"	"	"	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes	D 77	✓ 58	"	✓ 49	✓	"	"	"	"	"	"	"	
	E 78	"	"	"	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	F 77 1/2	✓ 58	✓ 46	✓ 46	✓	"	"	"	"	"	3 1/6 ✓	"	
	G " "	✓	✓ 58	✓	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Bridge	H 70 5/8	"	"	"	✓	"	"	"	"	"	"	"	
	I 75 3/8	"	✓ 46	"	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Bridge	K 79 1/2	✓ 69	✓ 46	✓ 46	✓	"	"	"	Quad. to treble ✓	"	"	"	
STRAKE BELOW Sheer-strake in Wells.....	Combined with sheerstrake ✓				✓								
STRAKE BELOW Sheer-strake in Bridge ...	✓												
POOP SIDE PLATING	✓												
BRIDGE SIDE PLATING ...	✓												
FORECASTLE SIDE PLATING	46 ✓				✓	Single ✓	" ✓	3" ✓	Single ✓	" ✓	" ✓	Lapped ✓	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		Collision Bld. to upper deck			
" Deck next below		5 bulkds. to 2nd dk			
As per Rule		Six			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	26, 28, 33	4 x 3 x 34 L	✓	6 x 3 x 32 L	24
" " Second " "	42	12 x 3 1/2 x 45 L	30	✓	✓
" " Third " "	65	"	✓	"	✓
" " Holds	89	"	✓	"	✓
" " " " " " " "	133	"	✓	"	✓
COLLISION " (in Hold)	158	33 to 50	5 x 3 x 30 L	24	✓
AFTER PEAK " " " " " " " "	8	30 x 33	10 x 1 1/2 x 42 L	24	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat plate keel		
STEM		9 1/2 x 2 1/2	✓	
STERN FRAME { Propeller Post	C.S.	4 1/2 x 9 1/8	✓	13 x 7 1/2
{ Rudder "	C.S.	10 1/2 x 7 1/2	✓	Carntyne Steel Castings Co.
Speed of Vessel.....		12 Knots	✓	
RUDDER—Type.....		Ordinary Bld. plate	✓	Carntyne Steel Castings Co.
" A x D		312.5	✓	
" Diam. of head	F.S.	8 3/4	✓	W. Beardmore (stock only)
" Mainpiece at top pintle		9 x 6 3/4	✓	
" " heel ...		7 x 4 1/2	✓	4 1/2
" how constructed		C.S. frame + 2 arms	✓	
" double or single plate		Bld. 50	✓	
" coupling, vertical or horizontal.....		Vertical	✓	

STEEL.

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

South Durham Steel & Iron Coy; Colvilles Ltd; The Steel Coy of Scotland; Dorman Long & Co; Consort Iron Coy

Skinner & Co; The Lanarkshire Steel Co; Cargo Fleet Iron Co Ltd.

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

EQUIPMENT No.												LETTER <i>a</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.	Cwts.			
39090	1st Bower ...	68	1	0	Stockless			52	15	2	14	68	Byers Improved Stalks.	Not stated	Sld. 28-9-39 W.V. Norman
39094	2nd „ ...	67	3	25	Do.			52	12	2	0	68	Do.	Do.	Do. Do.
39093	3rd „ ...	58	3	22	Do.			47	15	0	0	58½	Do.	Do.	Do. Do.
	Collective weight.	195	0	19	✓							194½ ✓			
98567	Stream	19	0	25	4	3	7 ✓	20	1	3	14	19 ✓	Ordinary ✓	S. Taylor & Sons	Withington 7-11-39 J.A. Relf
ANCHORS AND WARPS															

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 and Size per Table 53.
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.		Length.	Diam.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
89855	135	2 5/16	9 1/4	13 1/4	360. 2.15	360 3/8	✓	270	2 5/16	Stud Link	M. Hingley & Son	Withington 19/8/39 R.J. Vogan	TOWLINE	120	4 3/4	64.6	120	4 3/4	
89856	135	2 5/16	9 1/4	13 1/4	363. 2.5	360 3/8	✓			Do.	Do.	Do.	HAWSERS & WARPS	2090	2 3/4	15.2	2090	2 3/4	
														3090	2 1/2	13.2	2090	2 1/2	
														90	4 1/2	58.6			apparently 6x24
One of the lengths of each number is in two parts viz. 14 fms + 1 fm. respectively																			
Iron-Stream Chain or Steel Wire																			

Steering Gear, Type (Power or hand) *Steam by Denton & Co.* ✓ Alternative Means of Steering *Hand & Power Combined* ✓

Steering Chains (Size and Test) *Telemotor gear* ✓ Windlass *Steam by Clarke Chapman* ✓ Boats *20 23.0 x 7.75 x 3.0* ✓
20 16.0 x 5.75 x 2.33 ✓

Ceiling in Holds, thickness and material *2 1/2" W.W. under hatchways only* ✓ Cargo Battens, thickness, material and spacing *6x2" W.W. - 9" apart in Holds only* ✓

Cargo Hatchways. (Upper Deck) *Efficiently constructed of steel plates & angles* ✓ Thickness of Hatches *N°1 = 3" = 2 3/8"; N°2 = 3"; N°4 = 5" = 2 3/8"; N°6 = 2 3/8"* ✓

Size of Hatchways No. 1 (Fwd.) *31'6" x 24'0"* No. 2 *32'6" x 24'0"* No. 3 *35'0" x 24'0"* No. 4 *30'0" x 24'0"* No. 5 *30'0" x 24'0"* No. 6 *10'0" x 24'0"* ✓

Number of Shifting Beams and/or Fore and Afters *4 @ N°1, 2, 4 & 5 hatches; 3 @ N°3 hatch; 1 @ N°6 hatch* ✓

Builder's Signature

FOR THE BURNISLAND SHIPBUILDING COMPANY LTD.

J. Clark 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 *Yes*
 (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).

This vessel has been built in accordance with the approved plans, the Secretary's letters and the Society's Rules for the class contemplated. The materials & workmanship are good & to my satisfaction. The double bottom tanks, the fore & after peak tanks, the decks, W.T. Bulkheads, Tunnel W.T. Door & hand pumps have been tested in accordance with the Society's Requirements & found satisfactory. N°2, 3, 5 & 6 double bottom tanks are fitted for the carriage of oil fuel, F.P. above 150° Fahr. The windlass & steering gear tested under working conditions & found satisfactory. The freeboards as assigned by the Society have been cut in the vessel's sides & verified. ✓

The amount of Entry Fee £ *8 : 0 : 0* Fees applied for, *16-4-1940.*
 Special Survey Fee.... £ *316 : 16 : 0* Received by me, *19.4.1940*
 Freeboard *15 - 0 - 0*
 Travelling Expenses, if any £ *2 : 5 : 6*

(Special notations, where part of class, to be stated.)
 I am of opinion the Vessel should be Classed *100 A.1.*
with freeboard

State whether the Vessel has been built under Special Survey *yes*

Signature *G. Pratt*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Lith* Date of issue *24/4/40*

Committee's Minute *10 APR 1940*

Character assigned

+ 100 A.1

With freeboard

Lloyd's arch.

2 5/8" (Sph) 2 1/2" C.L., 1 Amp. 5.13.

Lloyd's Register

W154-0157 (212)

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 similar to the same Builders N^o 212 - S.S. "KINGSBURY" Lth. Rpt N^o 19457

The following plans are forwarded herewith:-

Midships Section

Profile & Decks

Pumping Plan

General Arrangement

Stemframe & Rudder

Fore end pillars & girders

Stem framing

Stem frame scarp

Welding at fore foot of stem

Forging Reports & Quadrant Plan.

(For other details see plans of S.S. "KINGSBURY")

Flooding of N^o 3 Hold

PARTICULARS OF ELECTRIC WELDING (if employed) Electric welding employed for scarp of stem, small items & deck fittings only.

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

Cruiser Stern, One dk & Shelter dk

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

1st Bower	39-2-22	J.D.	2131	29.8.39
2nd "	40-0-20	J.D.	2132	21.8.39
3rd "	35-1-18	J.D.	2027	4.7.39

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 22.87 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 167417 Signal Letters G B D B Extreme Breadth over Belting 57.05 Over-all Length 430.25
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One dk (ste) & shelter dk (ste)

Parts of Bottom of Vessel coated with cement or approved composition Bottom of N^o 1 & 2 B. Tanks (W.B.) & N^o 4 Tank (Feed water) cemented all over
Remainder of D.B. tanks (Oil fuel) coated with "Tic-tail" — Bilges covered with cement at margin angle.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	N ^o 6 67.5	150	Fore peak tank,	20.5	96
Double bottom, under Engines and Boilers,	N ^o 5 60.0	266	After peak tank,	22.0	244
Double bottom, if under Engines only,	N ^o 4 5.0	25	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	N ^o 3 77.5	424	Deep tank, forward,	✓	
Double bottom, forward,	N ^o 2 79.0	396	Other tanks, if fitted,	✓	
Total length (if continuous) and Capacity	N ^o 1 56.25	142	(If necessary, furnish further information by sketch.)		
	345.25	1403			
	2 Cofferdams	5.00			
		260.25			

Order for Special Survey No. 2019

Date 23.6.39

Dates of Surveys held while building

1939 July 25 Aug. 29 Sept. 5, 7, 12, 21, 28 Oct. 3, 5, 17, 19, 26, 31 Nov. 3, 7, 10, 16, 21, 30
Dec. 4, 7, 8, 12, 14, 21, 22, 25, 27
1940 Jan. 4, 11, 16 Feb. 2, 7, 20 March 8th, 26 April 3rd, 6th

Lloyd's Register
Foundation
Total No. of Visits 33