

STEEL STEAMER ~~OR~~ MOTORSHIP

Received at London Office **AUG 22 1939**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 **19th AUG. 1939** Port of **LEITH** No. **19912**
 Survey held at **BURNTISLAND** Date First Survey **Jan. 1939** Last Survey **16 Aug. 1939**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **STL. SGL. Sc. SR. "CEFN-Y-BRYN"**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Complete Superstructure with tonnage opening** State Type of Erections **C.S.S.**TONNAGE under Tonnage Deck... **4604.29** CLASS **100 A.1.** 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 post on summer L.W.L. See Sec. 3 (1a) **L 412.0** Launched **June 19th** Yard No. **227**Total **5164.21** Breadth (greatest moulded) **B 57.67** Builders **The Burntisland S.B. Coy. Ltd.**Gross Tonnage **5164.21** 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** Owners **The Cook Shipping Co. Ltd.**Register Tonnage **3067.33** 1st Longitudinal Number (L x D) **37.75** Managers **Ambrose, Davies & Matthews Ltd.**

REGISTERED DIMENSIONS.

FEET.
 Length **420.0**
 Breadth **58.0**
 Depth **26.3**

Framing Depth "d," at middle of length. See Sec. 3 (1d) **24.63**Proportions—Depth to Length—Uppermost continuous deck to top of keel **10.41** Do. Long Bridge to top of keel **✓**Draught Moulded **25.58**Residence **5 Whittington Av. - 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 1/2 .39	✓
" " from 1/2 length amidships to } Collision bulkhead.....}	27"	✓	" " Reversed Frame	6 3 .35	✓
" " in peaks.....	24"	✓	" " Vertical Struts [+]	8 x 3 1/2 x 3 1/2 .42 6 x 3 .35	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	4 3/4 .54	✓
Frame Amidships, Angle, [or]	12 3 1/2 .64	✓	" " top Angles	Dble 3 1/2 3 1/2 .48	✓
" " Extends up to	2nd deck	✓	" " bottom Angles	Dble 4 4 .58	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	One .37	✓
" " Extends up to...	✓	✓	Margin Plate depth (excl. of flange) and thickness	40 1/2 .54	✓
Depth of Framing Girder	12"	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 .44	Inside .46 Outside
Frames in Uppermost Continuous 'tween' Decks, Angle, [or]	7 3 1/2 .36	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	-Do-	✓
" " Second 'tween Decks, Angle, [or]	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	.41 every	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area.....	-Do-	✓
" " from 1/2 len. for'd. to 15% len. from Stem.....	12 3 1/2 .64	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	80 1/2 .45	✓
" " 3/5 L fore to 15% from stem	12 3 1/2 .69	✓	INNER BOTTOM PLATING.		
" " in Peaks, Angle or [7/8 Rivets spaced 5 1/2" apart C.L.C. on the average closed up at bilges	✓	Breadth and thickness of Middle Line Strake ...	53 1/2 .52 .44	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	Yes	✓	Thickness of remainder in Holds44 .40	✓
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 .34	✓
SINGLE 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]	8 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	every 4 1/2 frame	✓	Spacing.....		
" " Are Frame and Reversed Frame joggled?.....	Frames only	✓	Forecastle Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	41" x 41	✓	Spacing		
" " breadth and thickness at margin plate.....	36 1/2 x 41	✓			

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
	Breadth.	Thickness.			Breadth.	Thickness.	
Two Rows widely spaced and Centre line bulkhead			✓				
in 'tween Decks, Size and Spacing.....	as per approved plan		✓				
" " " " " "							
in Holds	as per approved plan		✓				
Centre Line Bulkhead.							
Stiffeners and Spacing.....	as per approved plan		✓				
Plating, thickness of	30 x .26		✓				
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	85 x .67		✓				
" " " " in way of Bridge	✓						
" Angle in Wells	6 6 .67		✓				
Thickness of Plating abreast Deck openings in way of Wells66		✓				
Thickness of Plating abreast Deck openings in way of Bridge	✓						
Thickness of Plating within line of openings...	.40		✓				
If Sheathed, material and thickness	No Sheathing		✓				
Second Deck.							
Stringer Plate, breadth and thickness in Wells...	68 x .42		✓				
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							
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.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	RIVETING.					
	AMIDSHIPS.		FORWARD.	AFT.		EDGES.		BUTTS.			
	Breadth.	Thickness.	Thickness.	Thickness.		State if jogged?	NO	SINGLE OR DOUBLE.	RIVETS.	NO. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
FLAT PLATE KEEL	52	.78	.68	.68	✓		✓	Double	7/8 3 1/3	Quad. to treble	Lapped
" DBLG. (if any)		✓						✓		✓	
BOTTOM PLATING, No. of Strakes	A 76 3/4 B 70 1/2 C 64 1/2 D 58 1/2 E 52 1/2 F 46 1/2	.59	.50	.50	✓			Double	7/8 3 1/3	Treble	Lapped
BILGE PLATING, No. of Strakes	G 61 1/2 H 55 1/2 I 49 1/2 J 43 1/2 K 37 1/2 L 31 1/2	.59	.50	.50	✓			"	"	"	"
SIDE PLATING, No. of Strakes	M 82 1/2 N 76 1/2 O 70 1/2 P 64 1/2 Q 58 1/2 R 52 1/2	.59	.46	.46	✓			"	"	"	"
UPPER DECK, Sheer-strake in Wells	✓	.68	.46	.46	✓			"	"	Quad. to treble	"
UPPER DECK, Sheer-strake in Bridge	✓										
STRAKE BELOW Sheer-strake in Wells	Combined with sheerstrake										
STRAKE BELOW Sheer-strake in Bridge	✓										
POOP SIDE PLATING	✓										
BRIDGE SIDE PLATING ...	✓										
FORECASTLE SIDE PLATING	✓										

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.				Any Departure from Approved Plans to be Noted.			
Extending to Upper Deck (Sec. 3 c)	Collision Bhd. to Upper dke.				✓								
" Deck next below	6 Bhd. to 2nd Deck				✓								
As per Rule	Seven				✓								
MIDSHIP BULKHEAD, Upper 'tween decks	Plating Thickness.	STIFFENERS.				Casting or Forging.				Any Departure from Approved Plans to be Noted.			
		VERTICAL.	HORIZONTAL.			Scantlings.	Spacing.	Scantlings.	Spacing.				
" " Second		✓											
" " Third		✓											
" " Holds	.29 Vert. .39 beam	12 1/2 x .40 L	30"	Approved 11 1/2 x .60 L									
COLLISION " (in Hold)	.32-149	8 1/2 x .40 L	24"	see plan									
AFTER PEAK "	.30-48	8 x .41 L	24"	see plan									

STEEL.

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

Dorman Long:- South Durham:- Comsett:- Polville:- Steel Co of Scotland:- Skinningrove:- & Lanarkshire Steel Works.

Has the Steel been tested as required by the Rules?

Yes

Open hearth process

Cargo Fleet:-

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EQUIPMENT No. <i>a+</i>										LETTER <i>a+</i>	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Where and when tested and Superintendent.
38795	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
38319	2nd „ ...	68	1	14	Stockless			52	15	2	14
38794	3rd „ ...	58	3	7	-do-			47	13	3	0
	Collective weight.	13	1	21							
98272	Stream	19	0	23	4	3	26	20	1	3	14

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Ins.
89803	270	2"	100.8	141.1	587	0	0	✓	270 2 1/8"	Ordinary stud link	S. Taylor & Sons Netherpton 21.5.39 J.A. Relf	TOWLINE...	120	4 3/4"	64.6	120	4 3/4"
Two of the lengths are in two parts viz:- 14 fms & 1 fm. respectively												HAWSERS & WARPS	2090	2 1/4"	15.2	2090	2 3/4"
												"	2090	2 1/2"	13.2	2090	2 1/2"
Iron Stream Chain or Steel Wire		Cir.								Cir.							
	90	1 1/2"	-	58.6	Gal. Steel Wire 6/24		✓	90	5	1/2"	✓						

Steering Gear, Type (Power or hand) *Steam by Donkins* ✓ Alternative Means of Steering *Power & hand combined* ✓

Steering Chains (Size and Test) *Telemotor Control* ✓ Windlass *Steam by Emerson Walker* Boats *2 off 25' x 8' x 3.3'*
One Dinghy 15' x 5.25' x 2.16

Ceiling in Holds, thickness and material *8" x 2 1/2" in. w. in way of hatches + over timbers* Cargo Battens, thickness, material and spacing *6" x 3" W.W. spaced 9" apart*

Cargo Hatchways. (Upper Deck) *Steel plates & angles* Thickness of Hatches *1791 = 2 3/8" 1793 = 2 3/8" Remainders 2 1/2"*
(A.T.O. Tonnage opening 5'0" x 25'0")

Size of Hatchways No. 1 (Fwd.) *33'0" x 25'0"* No. 2 *35'0" x 25'0"* No. 3 *30'0" x 25'0"* No. 4 *35'0" x 25'0"* No. 5 *35'0" x 25'0"*

Number of Shifting Beams *Four at No. 3 Hatch - Five at other hatches*
 and/or Fore and Afters

Builder's Signature

W. J. Pratt
 CHAIRMAN AND 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 vessel has been built in accordance with the approved plans, the Secretary's letters and the Society's Rules for the class contemplated. The Material & Workmanship are good and to my satisfaction. The double bottom tanks, the fore & after peak tanks, the F.W. Tank amidships, the decks, W.T. Bulkheads, W.T. Doors & hand pumps have been tested in accordance with the Society's requirements & found satisfactory.

The Windlass & steering gear tested under working conditions & found satisfactory

The freeboards as assigned by the Society have been put in the vessel's sides & verified.

The amount of Entry Fee £ *9 : 0 : 0* Fees applied for, *21/8 1939.*
Freeboard 16 - 0 - 0
 Special Survey Fee.... £ *329 : 2 : 0* Received by me, *26/8 1939*
 Travelling Expenses, if any £ *3 : 11 : 9*

I am of opinion the Vessel should be Classed *100 A.I.*
 with *freeboard*

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

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Huebleh*

Date of issue *7/9/39*

Committee's Minute

Character assigned

TUE 29 AUG 1939

+ 100 A.I.

With freeboard

+ Limb. 8. 39

2 S.B. (Sph) 39

1 Ant. S.B.

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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 List of the Plans should be embodied.)

The following plans are forwarded herewith:—

Midship Section
Profile & Decks
Amended Profile
Stern Frame & Rudder
Do. (Cancelled)
Deck girders & H. & C. Beams
Deck girders & Pillars
Deck Bracket at 2nd Dk. Girder
Profile for middle line bulkhead only
General Arrangement
Pumping Plan
Masts & Derricks
Stern framing & After peak stringers
Forging Reports

14 - 134 = 120 - 48 1/2
26 - 25 1/2
13
15
18

PARTICULARS OF ELECTRIC WELDING (if employed) Electric welding has been employed for small items and 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. - D.F.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Cast. 9m - 20m 39-2-5 ✓ E.E. - 356 - 15.7.38
	2nd "	40-0-18 ✓ A.E.G. - 1412 - 4.8.37
	3rd "	33-3-16 ✓ E.E. - 186 - 24.12.37

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

Official No. 167317 Signal Letters G.Q.C.W. Extreme Breadth over Belting 57'-11 1/2" Over-all Length 136'-0" (Circ. 1611) (Circ. 1703)
No. and Material of Decks One dk. (SH) + Shelter dk. (SH)
Parts of Bottom of Vessel coated with cement or approved composition Inside of bottom + bridges fore & aft cemented at shell landings & over rivets except in way of Boilers - where bottom completely cemented over. Pockets at fore & after peaks also cemented.
Particulars of composition (if fitted) and of approval pt. cement

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 Tank	57.5	109	Fore peak tank,	23.08	158
Double bottom, under Engines and Boilers, { N ^o 5 "	40.0	278	After peak tank,	22.0	277
Double bottom, # under Engines only, - N ^o 4 "	20.0	97	Deep tank, aft,	✓	
Double bottom, # under Boilers only, - N ^o 3 "	20.0	103	Deep tank, forward,	✓	
Double bottom, forward, { N ^o 2 "	127.5	624	Other tanks, if fitted,	✓	
	61.0	144			
Total length (if continuous) and Capacity	356.0	1360	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2005

Date 28.11.38

Dates of Surveys held while building

1939 Jan:-10, 13, 17, 20, 24, 27 Feby. 1, 3, 7, 10, 15, 17, 21, 23 Mar:-1, 3, 7, 10, 14, 21, 24, 28, 31
Apr:-4, 5, 7, 11, 12, 14, 18, 19, 26, 28 May:-2, 3, 5, 9, 10, 12, 16, 17, 19, 24, 26, 31
June:-6, 7, 19 July:-7, 11, 12 Aug. 1, 10, 16

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Total No. of Visits 54