

STEEL STEAMER ~~OR MOTORSHIP~~

NOV 1 1939

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

31 Oct. 1939

Port of

LEITH

No.

19960.

Survey held at

BURNTISLAND

Date First Survey

April 26<sup>th</sup> 1939

Last Survey

28<sup>th</sup> Oct. 1939

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

STL. SCR. SR. "CORMARSH" (MACHY. AFT)

State Type

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

FULL SCANTLING

State Type of Erections

FELE &amp; R.Q. DK.

TONNAGE under Tonnage Deck...

CLASS  $\frac{3}{4}$  100 A.1.

State if with freeboard as condition of Class

No

Built at

BURNTISLAND

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

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

L 312.0

Launched

15 Aug. 1939

Yard No. 231

Total

Breadth (greatest moulded)

B 44.25

Builders

THE BURNTISLAND S.B. COY. LTD.

Gross Tonnage

2848.37

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

D 22.08 UPPER DK.  
27.08 R.Q. DK.

Owners

CORY COLLIERS LTD.

Net Tonnage

1660.43

1st Longitudinal Number (L x D)

= 6889

Managers

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

2nd Numeral L x (B + D)

= 20695

Residence

REGISTERED DIMENSIONS.

FEET.

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

14.13

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

11.52

Draught Moulded

19.74

Port of Registry

LONDON

If surveyed while building, afloat, or in dry dock

WHILE BUILDING &amp; 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.
<b>FRAMES, Spacing amidships</b>	27 ✓		<b>Bracket Floors, Frame</b>		
" from $\frac{3}{8}$ length amidships to Collision bulkhead	27 ✓		" " Reversed Frame		
" in peaks	24 ✓		" " Vertical Struts		
<b>FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	36" x 44 ✓	
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$ [ UPPER DK. 8 3 39 34 approved ✓ R.Q. DK. 9 3 42 39 " ✓			" " top Angles Double	3 3 38 ✓	
" " Extends up to Upper & R.Q. decks respectively			" " bottom Angles Double	3 3 44 ✓	
Reversed Frame Amidships, Angle	✓		<b>Side Girders, No. each side and thickness</b>	4 3 39 ✓	Owners Increase 34 approved
" " Extends up to	✓		to shell + tank top in lieu ✓		
Depth of Framing Girder			<b>Margin Plate depth (excl. of flange) and thickness</b>	25" x 42 ✓	Tank top rises at bridge to 9.7 above base line ✓
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3 3 40 ✓	
" Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	3 3 40 ✓	
" Third " " " "	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	None ✓	
from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	8 3 36 ✓	Owners Increase 36 approved	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	None ✓	
in Peaks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	6 3 39 ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	9.7 to tank side plus 0.4 to toe of Bkt ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ " dia. Rivets spaced 7" apart ✓		<b>INNER BOTTOM PLATING.</b>		
Is Frame Joggled	yes ✓		Breadth and thickness of Middle Line Strake	.50 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As approved ✓	Frames increased + .05 on frames .05 per Owners	Thickness of remainder in Holds	.50 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	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 ✓	
<b>DOUBLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships $\frac{1}{2}$ beams in Wells, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	4 3 40 ✓	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	
Middle Line Keelson, on Floors, Angles, $\frac{1}{2}$ or $\frac{3}{4}$			Spacing	every ✓	
" " Through Plate or Intercoastal Plate			R.Q. Second Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	7 3 35 ✓	
" " Foundation Plate on Floors			$\frac{1}{2}$ Beams - angle	4 3 38 ✓	
" " Flat Plate Keel Angles			Spacing	every ✓	
Keelsons, No. each side			Third Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
" thickness of Intercoastal Plate			Spacing		
" Angles			Fourth Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Spacing			Spacing		
<b>DOUBLE BOTTOM.</b>			Poop Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Solid Floors, thickness and spacing	34 every ✓		Spacing		
" " Are Frame and Reversed Frame joggled?	yes ✓		Bridge Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$		
Bracket Floors, breadth and thickness at middle line	✓		Spacing		
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	7 3 33 ✓	
			Spacing	every ✓	



EQUIPMENT No. 21397										LETTER "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.			
38817	1st Bower ...	42	2	0	Stockless			37	10	0	0	42	Byres Imp. Stockless	Not Stated	Sld. 24.5.39 J.H. Butler
38818	2nd " ...	42	1	0	"			37	6	1	0	42	"	"	"
38799	3rd " ...	35	2	14	"			32	16	3	14	35 1/2	"	"	15.5.39 "
	Collective weight.	120	1	14								119 1/2			
52622	Stream .....	11	0	22	2	3	6	13	2	2	0	11	Ordinary	"	Cradley Heath 11.9.39 L.C. Paul

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- tory.	Break- ing.	Supplied.	Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.		
30338	240 1 7/8	63 1/2	88 1/2	428.3.19	425 1/4	240 1 7/8	Steel Link	Not Stated	Cradley Heath 11.9.39 L.C. Paul	TOWLINE...	100 4"	33.2	100 4"		
										HAWSERS & WARPS	6090 2 1/2	13.2	2090 2 1/2		
										"			2090 2 1/4		
										"					
Iron Stream Chain or Steel Wire	75 4 1/4		36 1/4			75 4 1/4									

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

Steering Chains (Size and Test) *Tekmotor* Windlass *Steam by Emerson, Walker* Boats *20 22.0 x 7.25 x 2.83*  
*1 Dinghy 14.0 x 5.25 x 2.16*

Ceiling in Holds, thickness and material *None - Tank top of increased thickness* Cargo Battens, thickness, material and spacing *None*

Cargo Hatchways.-(Upper Deck) *Constructed of steel plates & angles* Thickness of Hatches *3" W.W.*

Size of Hatchways No. 1 (Fwd.) *36'-0" x 25'-0"* No. 2 *40'-0" x 30'-0"* No. 3 *40'-6" x 30'-0"* No. 4 *20'-3" x 30'-0"* No. 5 *20'-3" x 30'-0"* No. 6 *4'-3" x 29'-6"*  
*Cross Bunkers*

Number of Shifting Beams and/or Fore and Afters *Five to No 1, 2 & 3 hatches; three to No 4 & 5 hatches*

FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD

Builder's Signature *J. G. Gave* 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 constructed in accordance with the approved plans, the Secretary's letters & 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 W.T. Bulkheads, decks & hand pumps have been tested in accordance with the Society's requirements & found satisfactory.*

*The windlass & steering gear were tested under working conditions & found efficient.*

*The freeboards as assigned by the Society have been cut in the vessels side & verified.*

The amount of Entry Fee ..... £ 6 : 0 : 0 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 217 : 8 : 0 31-10-1939.

Freeboard 13 : 0 : 0 Received by me, 6/11/39 R.B.S.

Travelling Expenses, if any £ 2 : 1 : 5

I am of opinion the Vessel should be Classed ☒ 100 A.I.

State whether the Vessel has been built under Special Survey *-yes* Signature *J. Pratt*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Leith* Date of issue *10/11/39*

*Mauch* Committee's Minute *TUE. 7 NOV 1939*

Character assigned *+ 100 A.I.*

*Cargo battens not fitted*

*Lloyd's aocb.*

*O.L., E.L.D.*

*W. H. S. G.*

*Lloyd's Elec. Equip. Plans*

*+ Lmb. 10.39*

*Spt. 22, 06.*

Lloyd's Register Foundation



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.)

Midship Section  
Profile + decks  
General Arrangement  
Sternframer Rudder  
Stern framing  
Pumping Plans (two)  
Arrangement of masts for E.V.  
Forging Reports

Please return for dealing  
with sister vessel

PARTICULARS OF ELECTRIC WELDING (if employed) Electric welding only employed for minor details

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

1 Stk (SK) Machy. aft.; Cruiser Stern; D.F.; E.S. ✓  
Cargo ballers not fitted.

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

1st Bower 25 cwt 0 grs 2 lbs; J.D.; 1870; 23.3.39 ✓  
2nd " 25 " 0 " 16 " ; J.D.; 1871; 23.3.39 ✓  
3rd " 21 " 2 " 7 " ; J.D.; 1858; 15.3.39 ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 189.75 ft., Bridge ✓ ft., Forecastle

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 167356 Signal Letters ✓ Extreme Breadth over Belting 44.50 Over-all Length 326.67  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 Stk. (SK)

Parts of Bottom of Vessel coated with cement or approved composition Engine + Boiler space also tank top under boilers + 3 spaces after end  
No. 4 tank coated with bitumastic enamel - Remainder of double bottom cement fillets at laps + over Rivets

Particulars of composition (if fitted) and of approval Wailes Dove's Bitumastic

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.)

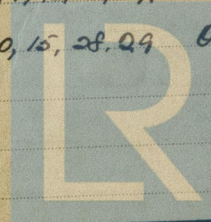
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	22.50	34	Fore peak tank,	28.75	182
Double bottom, under Engines and Boilers,	18.00	29	After peak tank,	27.58	68
Double bottom, if under Engines only,	63.00	253	Deep tank, aft,	✓	
Double bottom, if under Boilers only,	56.25	280	Deep tank, forward,	✓	
Double bottom, forward, & amidships,	56.25	256	Other tanks, if fitted,	✓	
Double bottom, forward,	47.25	138	(If necessary, furnish further information by sketch.)		
Total length (if continuous) and Capacity	265.50	990			

Order for Special Survey No. 2013

Date 1.5.39

Dates of Surveys  
held while building

April 26, May 3, 9, 16, 23, 26, June 2, 7, 13, 16, 19, 22 July 2, 5, 7, 11, 12, 26, 28  
July 2, 5, 7, 11, 12, 26, 28 Aug. 3, 8, 10, 15, 28, 29 Oct 5, 13, 24, 26, 28



Lloyd's Register  
Foundation  
Total No. of Visits 37



## 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.	
Centre Line Bulkhead.							
Stiffeners and Spacing.....							
Plating, thickness of .....							
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells.....							
" " " " in way of Bridge.....							
" Angle in Wells .....							
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 .....							
R.Q. Second Deck.							
Stringer Plate, breadth and thickness in Wells.....							
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.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	No.	No. OF ROWS OF RIVETS.	Diam.	Spacing cr. to cr.	STRAPPED OR LAPPED.
FLAT PLATE KEEL .....	7 3/4	.62	.61	.61	.57 approved	Double	3/4	3"	Treble	7/8	3 1/2 Lapped
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes ....	A 8 3/4	.57	.41	.41	Owners Extra approved .52 also local increase	Double	3/4	3"	Treble to Dble	3/4	2 5/8 Lapped
BILGE PLATING, No. of Strakes .....	C 6 1/2	.52	.40	.40	on stem frame as per Rule	"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....	E 8 1/4	.52	.40	.40		"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	F 7 1/2	.82	.40	.40		"	3/8	3 1/2"	Quad. to Dble	1 1/8, 3/4, 1 1/8, 3/8	"
R.Q. DECK, Sheer-strake in Bridge ...	H 6 1/2	.60	.40	.40		"	"	"	Treble to Dble	7/8, 3/4	"
STRAKE BELOW Sheer-strake in Wells.....	F Combined with sheerstrake										
STRAKE BELOW Sheer-strake in Bridge ...	G Combined with sheerstrake										
POOP SIDE PLATING .....											
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			.37	.37		Single	3/4	3"	Single	3/4	2 5/8 Lapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	Five
Extending to Upper Deck (Sec. 3 c)	Three + one to R.Q. Deck
" Deck next below	After Peak to Cabin Flat
As per Rule	Five

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	Steel bar	8 x 2 1/2		
STEM .....		8 1/2		
STERN FRAME { Propeller Post .....	F.S.	6 1/2	T.S. Forster & Sons	
{ Rudder .....	"	See plan		
Speed of Vessel .....		12 knots		
RUDDER—Type.....	Ordinary Double plate			
" A x D .....		22 1/2		
" Diam. of head .....		8 1/2		Rule dia 7 1/2
" Mainpiece at top pintle	F.I.	8 x 6	T.S. Forster & Sons	
" " heel ...		6 x 6		
" how constructed .....	frame & 4 arms			
" double or single plate	Double .36			
" coupling, vertical or horizontal .....	Vertical			

MIDSHIP BULKHEAD, Upper tween decks	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
" " Second					
" " Third					
" " Holds					
COLLISION	(in Hold)				
AFTER PEAK					

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*  
*Consett Iron Works; Dorman Long & Co.; South Durham Steel & Iron Co.; Steel Co. of Scotland; Colvilles Ltd.; Skinningrove Iron Co.; Scottish Iron & Steel Co.; Cargo Fleet Iron Co.*  
 Has the Steel been tested as required by the Rules? *-yes*