

Rpt. 1.

STEEL STEAMER or ~~MOTORSHIP~~

31 JUL 1941

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 29/7/41

Port of

No.

99657

Survey held at Walker-on-Dyne

Date First Survey

15 Feb 1940

Last Survey

19 July

1941

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

Single Screw Tanker "ENNERDALE"

Machinery aft.

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

Full Scantling

State Type of Erections

Prop. Bridge & Forecastle

TONNAGE under Tonnage Deck

7203.86

CLASS +100A.1.

State if with freeboard as condition of Class

ho

Built at

Walker-on-Dyne

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 462'-6"

Launched 27th January 1941 Yard No. 1656.

Total

Gross Tonnage

8218.60

Register Tonnage

4719.08

Breadth (greatest moulded)

B 59'-0"

Builders Swan, Hunter, Wigham Richardson 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 34'-0"

Owners His Majesty represented by the Commissioners for executing the office of Managers and High Admiral of the U.K. (Where necessary to be entered in Reg. Book.)

1st Longitudinal Number (L x D)

= 15725

2nd Numeral L x (B + D)

= 43012

Residence

REGISTERED DIMENSIONS. FEET.

Length

468.4

Breadth

59.4

Depth

33.8

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

13.6

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

13.6

Port of Registry London

If surveyed while building, afloat, or in dry dock

yes.

FRAMES, DOUBLE BOTTOM AND BEAMS.

or Longit. Framing See Rpt 1*	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.	8 3 1/2 7/16
" " from 1/2 length amidships to Collision bulkhead	27	✓			" " Reversed Frame	B.A.	6 3 1/2 7/16
" " in peaks	24	✓			" " Vertical Struts	B.A.	6 6 1/2
DE FRAMING.					Centre Girder, depth and thickness	in E & B space	in E & B. 72x.46
Frame Amidships, Angle, E or F	10 3 1/2 80	✓			" " top Angles	Double	6 3 1/2 50
" " Extends up to	Upper Deck	✓			" " bottom Angles		6 6 50
Reversed Frame Amidships, Angle	✓				Side Girders, No. each side and thickness	in E & B. 2-52	✓
" " Extends up to	✓				Margin Plate depth (excl. of flange) and thickness	B.R. only	38x.60
Depth of Framing Girder	10	✓			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		4 4 50
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓				" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		✓
" " Second 'tween Decks, Angle, E or F	✓				" " Gussets, spacing and scantling abaft 1/2 len. from stem		52 cent.
" " Third	✓				" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		✓
from 1/2 len. forward to 1/2 len. from Stem	760 T.FLAT 10x3 1/2 x 7/16 B.A.	✓			Tank Side Brackets, height above base line at toe of Frame and thickness		7 1/2 x 5.4
" " in Peaks, Angle or F	9 3 1/2 3/8	✓			INNER BOTTOM PLATING, in E & B. space only		
Ameter and Spacing of Rivets through Frame and Shell Plating amidships	see approved riveting list	✓			Breadth and thickness of Middle Line Strake		78x.5.8
State if Frame Joggled	yes	✓			Thickness of remainder in Holds		1.00 under Engine Bed
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes	✓			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room?		yes
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓			BEAMS.		
LE BOTTOM.					Uppermost Continuous Deck, amidships in Wells, Angle, E or F		See Longit. Framing Rpt. 1*
ors, Depth and thickness at mid-line in Holds					" " in way of Bridge, Angle, E or F		✓
Height of Brackets at side above base line at toe of frame					Spacing		✓
dle Line Keelson, on Floors, Angles, E or F					Second Deck, amidships, Angle, E or F		✓
" " Through Plate or Intercoastal Plate					Spacing		✓
" " Foundation Plate on Floors					Third Deck, amidships, Angle, E or F		✓
" " Flat Plate Keel Angles					Spacing		✓
e Keelsons, No. each side					Fourth Deck, amidships, Angle, E or F		✓
" thickness of Intercoastal Plate					Spacing		✓
" Angles					Poop Deck, Angle, E or F		8 3 1/2 7/16
DOUBLE BOTTOM.					Spacing		Every frame
Solid Floors, thickness and spacing	52 every frame				Bridge Deck, Angle, E or F		8 3 1/2 7/16
" " Are Frame and Reversed Frame joggled?	yes				Spacing		32
Bracket Floors, breadth and thickness at middle line	36 x 52				Forecastle Deck, Angle, E or F		8 3 1/2 7/16
in Boiler Room only					Spacing		27 x 24
" breadth and thickness at margin plate	36 x 2						

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.....	✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells	✓	
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	✓		Thickness of Plating within line of openings...	✓	
„ Wing „ „ „	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead			Third Deck.		
Stiffeners and Spacing <i>32</i> ✓	10 3 1/2 .50	B.A.	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of39, .43, .45		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	81 x .81 ✓		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	.92 x .81 ✓		Poop Deck.		
„ Angle in Wells	6 6 5/8 ✓		Stringer Plate, breadth and thickness	38 x .36 ✓	
Thickness of Plating abreast Deck openings in way of Wells	Centre stake .76 ✓		Plating, Sheathing, material and thickness30 bare steel ✓	
Thickness of Plating abreast Deck openings in way of Bridge	Through „ .76 ✓		Bridge Deck.	.28-1 1/4 Composition ✓	
Thickness of Plating within line of openings...	Hatch „ .58 ✓		Stringer Plate, breadth and thickness.....	54 x .42 ✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness34 - Composition in accommodation ✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	.36 ✓	
			Plating, Sheathing, material and thickness36 bare steel ✓	

SHELL PLATING.

SCANTLINGS.				RIVETING.					
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	State if jogged?		NO. OF ROWS OF RIVETS.	RIVETS.	
	Breadth.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	STRAPPED OR LAPPED.
	Inches.	Inches.	Inches.			Diam. Spacing cr. to cr.		Inches.	
FLAT PLATE KEEL	57	.99	.78		2R	1 4	5R	1 1/8 x 5	Lapped
„ DBLG. (if any)					✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes ..4.....	87 1/2	.67	.74		2R	7/8 3 1/2	4R	7/8 x 3 1/2	✓
BILGE PLATING, No. of Strakes ..1.....	87 1/2	.64	.74		2R	7/8 3 1/2	4R	7/8 x 3 1/2	✓
SIDE PLATING, No. of Strakes ..3.....	85	.64	.56		2R	7/8 3 1/2	4R	7/8 x 3 1/2	✓
UPPER DECK, Sheer-strake in Wells.....	84	.64	.48		2R	7/8 3 1/2	4R	7/8 x 3 1/2	✓
UPPER DECK, Sheer-strake in Bridge ...	H 73	.64	.48		✓	✓	5R	1 1/8 x 5	✓
STRAKE BELOW Sheer-strake in Wells.....	J 77	1.03	.48		2R	1 1/8 4 1/2	5R	1 1/4 x 5 5/8	Lapped
STRAKE BELOW Sheer-strake in Bridge ...	✓	.76	.48		2R	1 4	4R	1 x 4	✓
POOP SIDE PLATING	84	.76	✓		2R	1 4	4R	1 x 4	✓
BRIDGE SIDE PLATING ...	✓	.40	✓		1R	7/8 3 1/2	2R	3/4 2 5/8	✓
FORECASTLE SIDE PLATING	✓	.43	✓		✓	✓	2R	3/4 2 5/8	✓
	✓	.43	✓		1R	3/4 3	1R	3/4 2 5/8	✓

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

„ Deck next below

As per Rule

STIFFENERS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓	✓	✓
STEM	✓	✓	✓	✓
STERN FRAME { Propeller Post	✓	✓	✓	✓
{ Rudder	✓	✓	✓	✓
Speed of Vessel	✓	✓	✓	✓
RUDDER—Type	✓	✓	✓	✓
„ A x D	✓	✓	✓	✓
„ Diam. of head	✓	✓	✓	✓
„ Mainpiece at top pintle	✓	✓	✓	✓
„ „ heel ...	✓	✓	✓	✓
„ how constructed	✓	✓	✓	✓
„ double or single plate coupling, vertical or horizontal	✓	✓	✓	✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Consett Iron Co. Ltd. South Durham Steel & Iron Co. Ltd. Appleby Frodingham Steel Co. Ltd. Dorman Long Co. Ltd. Skinningrove Iron Co. Ltd. Cargo Fleet Iron Co. Ltd. Raine Co. Ltd. Celvilles Ltd. Steel Co. of Scotland. Lanarkshire Steel Co. Ltd.*

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

EQUIPMENT No 44871										LETTER CT.	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, Per 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.			
26808	1st Bower ...	73	2	0	-	-	-	55	10	0	0	Stockless DO	✓ L.P.H.L.W. 2/12/40. A. Reun	
26807	2nd „ ...	73	1	0	-	-	-	55	10	0	0		✓ L.P.H.L.W. 3/12/40. A. Reun.	
	3rd „ ...													
	Collective weight.													
53844	Stream	22	1	0	5	3	8	22	11	1	0	ordinary forged W5 Iron	✓ L.P.H.C.H. 13/2/41. S.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.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
112768	240	2 7/16	106 9/10	149 3/5	713-3-24				300	2 1/16	Stud	✓ L.P.H.N. 16/10/40 J.A. Reff.	TOWLINE...	130	5 1/4	77.5	130	5 1/4	
													HAWSERS & WARPS	2-100	2 3/4	15.2	2-100	2 3/4	
													"	2-100	2 3/4	15.2	2-100	2 3/4	
Iron Stream Chain or Steel Wire	120	5		52.8							6/12								

Steering Gear, Type (Power or hand) Power (Steam hydraulic) Alternative Means of Steering Blocks & Tackle
 Steering Chains (Size and Test) ✓ Windlass Emerson Walker Boats 1 "Motor" 24'x7.6'x3'-0" 311 persons each
 Ceiling in Holds, thickness and material 52 O.T. steel 3'6" x 3'6" Cargo Battens, thickness, material and spacing ✓
 Cargo Hatchways.-(Upper Deck) 22 " 4'6" x 3'6" Thickness of Hatchex Corro 60" Steel
 Size of Hatchways No. 1 (Fwd.) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓
 Number of Shifting Beams and/or Fore and Afters ✓
 Builder's Signature P. H. Hunter 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 Tanker. 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 generally conforms with The Society's Rules for the class contemplated. ✓
 The materials and workmanship are good. ✓
 The weather decks clear of oil tanks & the W.T. bulkhead above the fore peak tanks have been here tested & found satisfactory. ✓
 The peak tanks, all cargo tanks, deep tank forward, oil fuel bunkers, F.W. tanks, Cofferdams & double bottom tanks have been tested as required by The Rules & found satisfactory. The requirements of Section 20 of The Rules, where applicable, for the carriage of oil fuel having a F.P. above 150°F have been complied with & the oil fuel is carried in bunkers at the forward end of the engine room, in fore deep tank & part of the double bottom under engines. The windlass, main & auxiliary steering gear have been tried over satisfactorily. The assigned firebrands have been marked on the vessels sides, verified and cut in.

The amount of Entry Fee £ 11 : 0 : 0 Fees applied for, 29 JUL 1941
 Special Survey Fee.... £ 608 : 4 : 3 Received by me, 19
 Travelling Expenses, if any £ 19 : 0 : 0
 State whether the Vessel has been built under Special Survey Yes Signature E. A. Dean
 Certificate to be sent to Newcastle-on-Tyne Date of issue 14/11/41 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 26 AUG 1941
 Character assigned + 100A1
Carrying petroleum in bulk
Lloyd's arch.
OL. E.S.D.
note for S.R.D.
W. H. H. (S.R.D.)
As now
TUE. 21 SEP 1941
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.)

The approved plans (see Separate sheet) are forwarded herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) only minor details of the structure electrically welded, Electrodes used and methods employed are in accordance with the Rules.

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

Camber stem, Machinery aft, Longitudinal framing at bottom and at deck, Dloups A & CP, E.S.D. D.F.

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

1st Bower ^{Cuts} ~~43-2-18~~; Int. J.T.; No. of Cert. 3424; Date 6-9-40.
2nd " 44-2-10; " J.T.; " " 3431; " 11-9-40.
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 111.83 ft., R.Q.D. ✓ ft., Bridge 46.5 ft., Forecastle 35.5 ft. ^{see letter 30.8.41} 39.6

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

Official No. 168196

Signal Letters G.R.F.R.

Extreme Breadth over Belting 59.4' (Circ. 1611)

Over-all Length 483.08' (Circ. 1703)

No. and Material of Decks 1 DE STEEL. 2ND DE CLEAR of Cargo Tanks.

Parts of Bottom of Vessel coated with cement or approved composition. Bottom of fore & after peak tanks and Engine room after well Cemented

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,	✓	124.6 S.W.	Fore peak tank,	24.25	156
Double bottom, under Engines and Boilers,	✓	162.0 S.W.	After peak tank,	16.0	87
Double bottom, if under Engines only, Feed Water	52.5	124 F.W.	Deep tank, aft, Cofferdam	3.0	168
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, Cofferdam	3.0	159
Double bottom, forward,	✓	✓	Other tanks, if fitted, DEEP TANK FORWARD	35.58	✓
Total length (if continuous) and Capacity	93.5	286.6 S.W. see letter 30.8.41	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5603

Date 31-1-40

Dates of Surveys held while building

1940
Feb. 15. Mar. 5. Apr. 15. 22. 24. 25. 26. May 1. 6. 7. 8. 10. 14. 16. 17. 21. 24. 28. 29. June 3. 7. 11.
17. 18. 21. 26. 28. July 1. 4. 8. 9. 10. 16. 19. 24. 31. Aug. 2. 5. 7. 9. 16. 22. 26. Sep. 10. 13. 16. 17. Oct. 2. 4. 10. 15.
17. 28. Nov. 4. 6. 15. 20. 21. 26. 28. Dec. 4. 9. 11. 13. 16. 17. 18. 19. 20. 23. 24. 26. 27. 30. Jan. 2. 6. 7. 9. 10.
13. 16. 20. 22. 24. 26. 30. Feb. 7. 27. Mar. 3. 7. 18. 31. Apr. 1. 2. 5. 15. 20. 24. May 6. 14. 16. June 5. 10.
16. 18. 20. 23. 30. July 1. 2. 4. 9.

Total No. of Visits 113.

PARTICULARS OF LONGITUDINAL FRAMING.

[illegible]

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.