

STEEL STEAMER or MOTORSHIP.

Received at London Office 26 FEB 1930

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

2nd February 1930.

Port of

GLASGOW.

No. 50170

Survey held at

TROON.

Date First Survey

5.9.29

Last Survey

21st February 1930.

On the

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

Single Screw

"THE EMPEROR."

(Machinery aft.)

State Type

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

FULL SCANTLING.

State Type of Erections

RAD. Brs. & C.

TONNAGE under Tonnage Deck...

560.98

CLASS

+10041

State if with freeboard as condition of Class

No

Built at

TROON.

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

560.98

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

L 195

Breadth (greatest moulded)

B 30.25

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

D 14.17

1st Longitudinal Number (L x D)

= 2763

2nd Numeral L x (B + D)

= 8661

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

1166 15.66

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

13.76

Do. Long Bridge to top of keel

10.73

Draught Moulded

13.5 1/4

Launched

29th Jan'y 1930.

Yard No.

414.

Builders

Ailsa Ship & Cold.

Owners

J. Hay & Sons. Ltd.

Managers

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

Residence

Glasgow

Port of Registry

Glasgow

Surveyed while building, afloat, & in dry dock

Yes.

REGISTERED DIMENSIONS.

FEET.

Length

195.1'

Breadth

30.35'

Depth

12.1'

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	22"		Bracket Floors, Frame		
" " from 3/4 length to Collision bulkhead	22"		" " Reversed Frame		
" " in peaks	22"		" " Vertical Stents		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30	39
Frame Amidships, Angle, <u>E or F</u>	* 6 3 36	app. 6 x 3 x 32	" " top Angles <u>Single</u>	3	3 38
" " Extends up to	upper deck		" " bottom Angles <u>Single</u>	3	3 39
Reversed Frame Amidships, Angle	* 19 24 B.S.S.		Side Girders, No. each side and thickness	one	29
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	24	33
Depth of Framing Girder	6"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3	3 30
Frames in Uppermost Continuous Deck, Angle, <u>E or F</u>			" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3	3 30
" " Second Deck, Angle, <u>E or F</u>			" " Gussers, spacing and scantling abaft 1/4 len. from stem	none	
" " Third			" " Gussers, spacing and scantling forward 1/4 len. from stem	none	
Framing in Peaks, Angle or <u>E or F</u>	5 3 34		Tank Side Brackets, height above base line at toe of Frame and thickness	36 1/2	30
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5 1/2		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	40	34
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep framing and stringers.		Thickness of remainder in Holds	30	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Add. Antirack shell plating secured close spaced riveting.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in U. & D. space and framing in Bunkers and Boiler Room?	Yes.	
SINGLE BOTTOM. in Boiler Space.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	19 1/2 x 41		Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or F</u>	3 1/2	3 30
Height of Brackets at side above base line at toe of frame	none		" " in way of Bridge, Angle, <u>E or F</u>	6	3 32
Middle Line Keelson, on Floors, Angle, <u>E or F</u>			Spacing	22"	
" " Through Plate on Intercostal Plate	19 1/2 50 app. 49		Second Deck, amidships, Angle, <u>E or F</u>		
" " Foundation Plate on Floors	32 x 49		Spacing		
" " Flat Plate Keel Angles	3 1/2 3 1/2 44		Third Deck, amidships, Angle, <u>E or F</u>		
Side Keelsons, No. each side	one		Spacing		
" " thickness of Intercostal Plate	42		Fourth Deck, amidships, Angle, <u>E or F</u>		
" " <u>Single Bulk.</u> Angle	7 3 1/2 53 app. 51		Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, <u>E or F</u>		
Solid Floors, thickness and spacing	29 mm frame.		Spacing		
" " Are Frame and Reversed Frame joggled?	Yes.		Bridge Deck, Angle, <u>E or F</u>	5	3 36
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, <u>E or F</u>	6	3 32
			Spacing		

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	<i>Special arrangement of Pillaring as per plan</i>		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...	✓
„ „ „ „ „			If Sheathed, material and thickness	✓
Centre Line Bulkhead			Third Deck.	
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	✓
Plating, thickness of			If Plated, state thickness.....	✓
STRINGERS AND DECKS.			Fourth Deck	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓
Stringer Plate, breadth and thickness in Wells	<i>60 x 50</i>		If Plated, state thickness	✓
„ „ „ „ in way of Bridge	✓		Poop Deck.	
„ Angle in Wells	<i>3 1/2 3 1/2 50</i>		Stringer Plate, breadth and thickness	✓
Thickness of Plating abreast Deck openings in way of Wells	<i>30</i>		Plating, Sheathing, material and thickness	✓
Thickness of Plating abreast Deck openings in way of Bridge	<i>30</i>		Bridge Deck.	
Thickness of Plating within line of openings...	<i>30</i>		Stringer Plate, breadth and thickness.....	<i>3 1/4 x 27</i>
If Sheathed, material and thickness	✓		„ „ „ „	<i>7 x 27 2 1/2 P.P.</i>
Second Deck. Raised 2.5\"			Plating, Sheathing, material and thickness	
Stringer Plate, breadth and thickness in Wells...	<i>58 x 38</i>		Forecastle Deck.	
			Stringer Plate, breadth and thickness.....	<i>1 1/4 x 27</i>
			„ „ „ „	<i>7 x 27 2 1/2 P.P.</i>
			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.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.	
	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>40</i>	<i>50</i>	<i>43</i>	<i>43</i>	<i>off. 49</i>	<i>double</i>	<i>3/4</i>	<i>3 1/4</i>	<i>Three</i>	<i>3/4</i>	<i>2 5/8</i>
„ DBLG. (if any)	✓										
BOTTOM PLATING, No. of Strakes (A.B.)	<i>69</i>	<i>37</i>	<i>37</i>	<i>33</i>		<i>double</i>	<i>3/4</i>	<i>3 1/4</i>	<i>Two</i>	<i>3/4</i>	<i>2 5/8</i>
BILGE PLATING, No. of Strakes (C.)	<i>61</i>	<i>37</i>	<i>33</i>	<i>33</i>		„	„	„	„	„	„
SIDE PLATING, No. of Strakes (D.)	<i>58</i>	<i>37</i>	<i>33</i>	<i>33</i>		„	„	„	„	„	„
UPPER DECK, Sheer-strake in Wells (E.)	<i>44 1/2</i>	<i>50</i>	<i>33</i>	<i>33</i>					<i>Three-Two.</i>	„	„
UPPER DECK, Sheer-strake in Bridge	„	<i>41</i>	„	<i>33</i>					„	„	„
STRAKE BELOW SHEER-strake in Wells (F.)	<i>50</i>	<i>44</i>	<i>33</i>	<i>33</i>		<i>double</i>	<i>3/4</i>	<i>3 1/4</i>	<i>Three-Two.</i>	<i>3/4</i>	<i>2 5/8</i>
STRAKE BELOW SHEER-strake in Bridge (G.)	„	<i>37</i>	„	<i>33</i>		<i>double</i>	„	„	„	„	„
POOP SIDE PLATING	<i>47</i>	<i>43</i>	„	<i>33</i>					„	„	„
BRIDGE SIDE PLATING		<i>27</i>				<i>single</i>	<i>3/4</i>	<i>3 1/4</i>	<i>Two</i>	<i>3/4</i>	<i>2 5/8</i>
FORECASTLE SIDE PLATING			<i>27</i>			„	„	„	„	„	„

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>3</i>
Extending to Upper Deck (Sec. 3 c)	<i>none</i>
„ Deck next below	<i>3 1/2 upper deck.</i>
As per Rule	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds		<i>40/30</i>	<i>7 1/2 x 32</i>	<i>30</i>	<i>none</i>
COLLISION „ (in Hold)		<i>38/30</i>	<i>6 x 3 x 36</i>	<i>24</i>	<i>none</i>
AFTER PEAK „ „		<i>39/30</i>	<i>6 x 3 x 44</i>	<i>24</i>	<i>semi-box beam.</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	<i>Roller 6 x 1 1/2</i>	<i>Scottish S.S.</i>		
STERN FRAME	Propeller Post	<i>Forging 6 x 4</i>	<i>J.S. Foster & Sons</i>	
	Rudder „	<i>5 1/2 x 4</i>	„	
RUDDER—A x D		<i>117</i>		
Speed of Vessel		<i>10 knots</i>		
RUDDER mainpiece at head	<i>Forging</i>	<i>5 1/4</i>	<i>J.S. Foster & Sons</i>	
„ „ „ heel		<i>4</i>	„	
„ „ „ how constructed		<i>built</i>		
„ „ „ double or single plate		<i>single</i>		
„ „ „ coupling, vertical or horizontal		<i>horizontal</i>		

STEEL.

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

Steel Co. of Scotland.

Has the Steel been tested as required by the Rules?

Yes.

EQUIPMENT No. 9555												LETTER K.	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.			
62862	1st Bower ...	19	0	26	Stockless			20	1	3	14	19	Byers.	S Taylor & Son.	Jipton 30/10/29
62863	2nd „ ...	19	0	21	—			19	19	2	21	19	—	—	W. A. Byrdale. 31.10.29.
62760	3rd „ ...	14	0	5	—			18	5	0	0	16 1/4	—	—	— 7.10.29 —
	Collective weight.	55	1	24								54 1/4			
63061	Stream	5	1	7	1	1	14	7	11	3	14	5 1/4	Ordinary	—	— 23.12.29 —

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.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
65042	210	1 5/16	31	46 5/10	189. 3. 0	183 1/2	210	1 5/16	STHD LINK	S. Taylor & S.	Jipton. 14.12.29. W.A. Byrdale.	TOWLINE...	90	3	18.	90	3	
												HAWSERS & WARPS }	90	6	manilla	90	6	
												"	90	5	"	90	5	
Iron Stream Chain or Steel Wire)		Cir.						Cir.				"						
	60	3 1/4			22 tons.		60	3 1/4	S.W.	A. Thomson	Black & Gold.	"						

Steering Gear, Steam	<i>Thos. Reid & Sons.</i>	Steering Gear, Hand	<i>Combined with steam.</i>		
Boats	<i>Three</i> <i>(2 lifeboats & 1 dinghy)</i>	Steering Chains, Size and Test	<i>1 1/2" short-link. T.C. 7.18. LPH-T 36889.</i>	Windlass	<i>Emerson, Walker & Thompson.</i>
Ceiling in Holds, thickness and material	<i>2 1/2" W.P.</i>	Cargo Battens, thickness, material and spacing	<i>2" W.P. (edge to edge 9")</i>		
Cargo Hatchways.-(Upper Deck)	<i>Steel coamings.</i>	Thickness of Hatches	<i>2 5/8"</i>		
Size of No. 1 Hatchway (Forward)	<i>39' 4" x 16' 6"</i>	No. 2	<i>36' 9" x 16' 6"</i>	No. 3	<i>-</i>
		No. 4	<i>-</i>	No. 5	<i>-</i>
		No. 6	<i>-</i>		
Number of Shifting Beams and/or Fore and Afters	<i>Seven in No. 1 Hatchway: Six in No. 2 Hatchway.</i>				
AILSA SHIPBUILDING CO., LIMITED.					
Builder's Signature			<i>Miller</i> General Manager.		

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel		No.	(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.
<p>The materials and workmanship are good.</p> <p>This vessel has been built in accordance with the approved plans, the secretary's letters of various dates and in accordance with the Rules.</p> <p>The double bottom and peak tanks have been tested as required by rule. The weather decks & watertight bulkheads have been tested with satisfactory results.</p> <p>The freeboard has been verified and "cut in" on vessels sides.</p> <p>The approved plans, as detailed on back of report, are forwarded herewith.</p>					

The amount of Entry Fee	£ 4 : 0 : 0	Fees applied for, 24 FEB 1930	
Special Survey Fee	£ 82 : 8 : 0	Received by me, 26/2/30	
Freeboard Fee	£ 3 : 6 : 8		
Travelling Expenses, if any	£ 4 : 0 : 0		
State whether the Vessel has been built under Special Survey	Yes.	Signature	M. Macleod.
Certificate to be sent to	Yes.	Date of issue	3/3/30
Surveyor to Lloyd's Register of Shipping.			

Committee's Minute	GLASGOW	25 FEB 1930
Character assigned	- 100 A1.	
	2,30.	
	Lloyd's A+C.P.	
	+ L.M.C. 2,30.	

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.)

Sister Vessels

THE COUNTESS Glasgow Rept. No. 48510.
THE VICEROY " " " 49048.
THE MONARCH " " " 50004.

The following Plans & reports are forwarded herewith.

Plan as built.
Midship Section.

Approved Plans.

- ✓ Midship Section.
- ✓ Profile & Deck Plan.
- ✓ Fore end Framing Sections.
- ✓ Stempost and Rudder.
- ✓ Engine Seating.
- ✓ Pumping arrangement.

Reports

Stemframe
Rudder.

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

1st Bower. 10.2.4. K.H. 10098. 19 July 1929.
2nd " 10.2.6. K.H. 10097. 19 July 1929.
3rd " 10.1.1. M.B. 4017. 28 June 1929.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 110.5 ft., R.Q.D. 110.5 ft., Bridge 11 ft., Forecastle 50 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 deck (stl.)

Official No. 161900; Signal Letters _____ Is bottom of Vessel coated with cement Yes if not give particulars of composition _____

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	<u>22</u>	<u>56</u>
Double bottom, under Engines and Boilers,	✓		After peak tank,	<u>4.3</u>	<u>22</u>
Double bottom, if under Engines only,	✓		Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓	
Double bottom, forward,	<u>122.8</u>	<u>174</u>	Other tanks, if fitted,	✓	
Total capacity of double bottom		<u>174</u>	(If necessary, furnish further information by sketch.)	✓	

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 6027

Date 29.8.29

Dates of Surveys held while building

{ 1929 Sep 5.17.24 Oct 8.17.23.25.30 Nov. 5.8 Dec 10.18.23.27 (1930) Jan 9.14.23.29
Feb 4.6.12.17.18.20.21

Total No. of Visits 25