

STEEL STEAMER OR MOTORSHIP.

Received at London Office.

RECEIVED

19 SEP 1949

Date of completion of report

IN D.O.

Survey held at DUNDEE

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.

Port of DUNDEE.

No. 9705

Date First Survey 17th August 1949.Last Survey 14th October 194812th August 1949.

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

STEEL SINGLE SCREW STEAMER

"PINELAND"

Machinery midships.

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

Full scantling

State Type of Erections and Scaffolding

TONNAGE under Tonnage Deck ...

2161.56

CLASS \pm 100 A1

State if with freeboard as condition of Class YES.

Built at DUNDEE.

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 300.0

Launched 25th April 1949. Yard No. 472

Total

Breadth (greatest moulded)

B 46.0

Builders Caledon S.B. & E. Co. Ltd.

Gross Tonnage

2758.63

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

D 23.28

Owners CURRIE LINE LTD.

Register Tonnage

1403.10

1st Longitudinal Number (L x D)

6975

Managers

(Where necessary to be entered in Reg. Book) Trinity Cottage, Goldenacre, Leith, Edinburgh. 5.

REGISTERED DIMENSIONS.

FEET

Length

307.50

Breadth

46.25

Depth

20.45

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

19.75

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

9.6

Do. Long Bridge to top of keel

19'-10"

Draught Moulded

Port of Registry LEITH.

If surveyed while building, afloat, or in dry dock building afloat and in dry dock Date of undocking 4th August 1949.

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	24 ✓		Bracket Floors, Frame	O.A. 6 3 .36 approved 6 x 3 1/2 x .36
" " from 1/2 length amidships to Collision bulkhead	24 ✓		" " Reversed Frame	O.A. 6 3 .34
" " in peaks	24 ✓		" " Vertical Struts	C 8 x 3 x 3 .38
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 ✓ .44
Frame Amidships, Angle, E or C	9 3 .45 and as approved.		" " top Angles	3 3 .38
" " Extends up to	upper deck		" " bottom Angles	3 1/2 3 1/2 .44
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	one - .32
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	30 - .40
Depth of Framing Girder	9 ✓		" " Vertical Angle to Tank side	3 3 .34
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	9 3 .45 in alternates		" " Bracket abaft 1/2 len. from stem	FRAME 119
" " Second 'tween Decks, Angle, E or C	—		" " Vertical Angle to Tank side	FRAME 120
" " Third " " " "	—		" " Bracket from forward 1/2 len. from stem	FRAME 119
" " from 1/2 len. for'd. to 15% len. from Stem	10 3 1/2 .46 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	FRAME 119
" " in Peaks, Angle or C	7 3 .33 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem	FRAME 120
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4		Tank Side Brackets, height above base line at toe of Frame and thickness	60 - .37
State if Frame Joggled	YES. ✓		INNER BOTTOM PLATING.	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES. ✓		Breadth and thickness of Middle Line Strake	72 ✓ .44 .40 in way of oil full.
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES. ✓		Thickness of remainder in Holds	.40 - .34 - do.
SINGLE BOTTOM.			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. ✓
Floors, Depth and thickness at mid-line in Holds			BEAMS.	
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6 3 1/2 .28
Middle Line Keelson, on Floors, Angles, E or C			" " in way of Bridge, Angle, E or C	6 3 1/2 .28 and as approved.
" " Through Plate or Inter-costal Plate			Spacing	24
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or C	
" " Flat Plate Keel Angles			Spacing	
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or C	
" " thickness of Inter-costal Plate			Spacing	
" " Angles			Fourth Deck, amidships, Angle, E or C	
DOUBLE BOTTOM.			Spacing	
Solid Floors, thickness and spacing	34 every 38" and as approved.		Poop Deck, Angle, E or C	6 3 .28
" " Are Frame and Reversed Frame joggled?	YES. ✓		Spacing	24
Bracket Floors, breadth and thickness at middle line	27 - .34		Bridge Deck, Angle, E or C	6 3 .35
" " breadth and thickness at margin plate	27 - .34		Spacing	24
			Forecastle Deck, Angle, E or C	6 3 .28
			Spacing	24

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	one			
" in 'tween Decks, Size and Spacing	—			
" " " " " "	—			
" in Holds " " " "	as per approved plans			
" " " " " "	—			
Centre Line Bulkhead.				
Stiffeners and Spacing	—			
Plating, thickness of	—			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	66 ✓	.66 ✓		
" " " " in way of Bridge	66 ✓	.34 ✓	.90 at break ✓	
" Angle in Wells	5 5	.66 ✓		
Thickness of Plating abreast Deck openings in way of Wells58 to	.40		
Thickness of Plating abreast Deck openings in way of Bridge30			
Thickness of Plating within line of openings...	36 forward 34 aft			
If Sheathed, material and thickness	—			
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 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 thickness30 ✓	
Plating, Sheathing, material and thickness30 ✓	no sheathing ✓
Bridge Deck.				
Stringer Plate, breadth and thickness50 ✓	.34 ✓ .35 ✓
Plating, Sheathing, material and thickness30 ✓	.25 ✓ o.p. sheathing past only ✓
Forecastle Deck.				
Stringer Plate, breadth and thickness32 ✓	
Plating, Sheathing, material and thickness...			.32 ✓	no sheathing ✓

SCANTLINGS.										RIVETING.										
STRAKES.				AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES.				BUTTS.						
				AMIDSHIPS.		FORWARD.				AFT.		State if jagged? <i>no.</i>		RIVETS.		No. of Rows of Rivets.		RIVETS.		STRAFFED OR LAPPED.
				Breadth.	Thickness.	Thickness.	Thickness.			Inches.	Inches.	Diam.	Spacing cr. to cr.	Inches.	Spacing cr. to cr.	Diam.	Spacing cr. to cr.	Inches.	Spacing cr. to cr.	
Flat Plate Keel.....				<i>45 1/2</i>	<i>.62</i>	<i>.57</i>	<i>.57</i>			<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>lapped.</i>				
,, Dblg. (if any)				<i>—</i>						<i>—</i>										
Bottom Plating, No. of Strakes <i>THREE</i>				<i>78 7/8</i>	<i>.49</i>	<i>.48</i>	<i>.42</i>	<i>54 on shell strakes forward.</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>				
Bilge Plating, No. of Strakes <i>ONE</i>				<i>72 7/8</i>	<i>.49</i>	<i>.45</i>	<i>.46</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					
Side Plating, No. of Strakes <i>TWO</i>				<i>78 7/8</i>	<i>.49</i>	<i>.48</i>	<i>.40</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					
Upper Deck, Sheer-strake in Wells.....				<i>81</i>	<i>.69</i>	<i>.40</i>	<i>.40</i>	<i>92 at break-twisting to midl regts.</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>lapped.</i>					
Upper Deck, Sheer-strake in Bridge ...				<i>81</i>	<i>.49</i>	<i>—</i>	<i>—</i>		<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					
Strake below Sheer-strake in Wells.....				<i>combined with sheerstrake.</i>					<i>—</i>			<i>—</i>								
Strake below Sheer-strake in Bridge ...				<i>combined with sheerstrake.</i>					<i>—</i>			<i>—</i>								
Poop Side Plating.....							<i>.40</i>		<i>single</i>	<i>3/4</i>	<i>3</i>	<i>single</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					
Bridge Side Plating.....				<i>.47</i>					<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					
Forecastle Side Plating						<i>.37</i>			<i>single</i>	<i>3/4</i>	<i>3</i>	<i>single</i>	<i>3/4</i>	<i>3</i>	<i>lapped.</i>					

Total No. of W.T. BULKHEADS in Vessel—		five.	
Extending to Upper Deck (Sec. 3 c)		—	
" Deck next below		—	
As per Rule		five.	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	—				
" " Second "	—				
" " Third "	—				
" " Holds (for 85)	36/26	4x3x42 1/2	24"	—	—
		8x3x40 1/2	22"	—	—
COLLISION " (in Hold)	40/26	5x3x34 1/2	24"	the welded.	
AFTER PEAK "	40/30	4x3x34 1/2	24"	the welded.	
		3x3x35	24"	the welded.	

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Box flat plate	m.s.	62/57	—	—
STEM rolled box m.s.	8x2 1/2	rounded plates upper portions	50/46	
STERN FRAME	Propeller Post	m.s. plates fabricated by electro welding by Muller Bros. Co. Ltd.		
	Rudder	"		
Speed of Vessel	12 knots			
RUDDER—Type	ordinary steam lined			
" A x D	234			
" Diam. of head	78 1/4 x 1/2 = 8 1/4 (owners reqt.)			
" Mainpiece at top pintle	as per upper plans by West			
" heel	botham steel Co. Ltd.			
" how constructed	riveted m.s. plates & angles			
" double or single plate	double by Calson S.B. & E. Co. Ltd.			
" 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).		
	Colvilles Ltd. — Dorman Long & Co. Ltd. — Consett Iron Co Ltd. —		
	Steel Co. of Scotland Ltd. — open hearth process		
	Has the Steel been tested as required by the Rules?		
	YES		

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, <i>Box flat plate</i>	<i>m.s.</i>	<i>67/57</i>	<i>-</i>	<i>-</i>
STEM <i>rolled bar m.s.</i>	<i>8x74</i>	<i>Round plate upper portion</i>	<i>50/46</i>	<i>1</i>
STERN FRAME	{ Propeller Post { Rudder	<i>m.s. plates fabricated by electric welding by Shields Bros. Co. hkd.</i>		
Speed of Vessel	<i>12 knots</i>			
RUDDER—Type	<i>ordinary—steam lined</i>			
" A × D	<i>234</i>			
" Diam. of head	<i>78 1/2 = 84 (owner's reqt)</i>			
" Mainpiece at top pintle	<i>2 angles upper plans by West hothian steel Co. hkd.</i>			
" " heel	<i>riveted m.s. plates & angles</i>			
" how constructed	<i>Double by Caldon S.B. & Co. hkd.</i>			
" double or single plate	<i>Vertical.</i>			
" coupling, vertical or horizontal				

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.				
53510	1st Bower ..	42	2	14	-	-	-	37	11	3	14	STOCKLESS - STEEL IMPROVED TYPE - C.S. HEAD	-	SUNDERLAND N.D. STONE 29.3.49 ✓
53511	2nd „ ..	42	2	-	✓	-	-	37	10	-	-	- do.	-	- do. 29.3.49 ✓
53447	3rd „ ..	38	3	21	✓	-	-	33	2	2	-	- do.	-	- do. 3.3.49 ✓
	Collective weight	121	-	7	✓	-	-					119½		
67425	Stream	11	-	20	✓	2	3	6	13	2	2	ORDINARY PATTERN ELECTRICALLY WELDED		CRADLEY HEATH 18.3.49 H. PHILLIPS

CHAIN CABLES.

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.								
	Fathoms.	Diam.	Stain- tory.	Break- ing.	Supplied.	Per Rule.	Cwts. qrs. lbs.	Cwts.					Length.	Diam.		Fathoms.	Ins.	Inch.	Cir.	Tons.	Fathoms.	Ins.	Inch.	Cir.
7018A	240	1 5/8	66 2/3	93 1/2	347	- 2 - 18	320	240	1 5/8	FLORRY NORTH BRITISH SPECIAL STEEL ELECTRIC WELDING STOKLINK CO. LTD.	GLASGOW 21. 4. 49 L.L. WRIGHT.	TOWLINE ..	100	4"	33.2	100	4"	33.2	4"					
6886B	6 END SHACKLES				3-0-18				- do -	- do -	- do -	HAWSEARS & WARPS	@ 90	2 1/2"	13.2	@ 90	2 1/2"	13.2	6"					
Low-Dynamo Chain or Steel Wire	75	4 1/2	36.4					75	4 1/2			"	@ 90	6"	-	@ 90	6"							

Steams - telemotor control - Wilson-Picrie
 Steering Gear, Type (Power or hand) Type by Brown Bros. Edinburgh. ✓ Alternative Means of Steering Bloom and Tackle
led to Winch. ✓
 Steering Chains (Size and Test) — Windlass Steam by Emerson Walker. ✓
 1- CLASS I LIFEBOAT
 1- CLASS B MOTORBOAT
 Boats TOTAL 70 PERSONS.
 6x2" W.P. 12"
 Ceiling in Holds, thickness and material none Cargo Battens, thickness, material and spacing FITTED VERTICALLY.
 Cargo Hatchways.—(Upper Deck) steel plates and angles. ✓ Thickness of Hatches 2 3/8"
 Size of Hatchways No. 1 (Fwd.) 34' x 24' ✓ No. 2 34' x 24' ✓ No. 3 34' x 24' ✓ No. 4 34' x 24' ✓ No. 5 — No. 6 —
 Number of Shifting Beams } 5 ✓ 5 ✓ 5 ✓ 5 ✓
 and/or Fore and Afters }
 OK AND ON BEHALF OF:
 Builder's Signature THE CALEDON SHIPBUILDING & ENGINEERING CO. LTD

FREEBOARD

The amount of Entry Fee..... £ 22 - - } 2/9/1949
Special Survey Fee..... £433 - - }
Travelling Expenses, if any £ NONE : }
Received by me, _____ WE ARE
_____ of opinion the Vessel should be Classed ~~+~~ 100 A1
State whether the Vessel has been built under Special Survey..... YES.
Certificate to be sent to Keel - Donegal Date of issue 19/12/49
Wex - R.R.
Committee's Minute GLASGOW 14 SEP 1949 HC.
Character assigned -1- 100 A1

Lloyds A&CP
S.49 Dan.
+ Inc S.49 L.D. Sgt.
Fitted for oil fuel S.49 HP above 1500ft

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.)

Plans enclosed:-

Profile and Decks "as fitted"
midship section - "as fitted"
multiple punching.
Hatches and strongbeams.
Strengthening of Bottom forward.
Stiffening of No 1 O.B. Tank.
shaft Tunnel and aft deep Tank.
Fore End Framing.
aft End Framing.
Bulkheads.
Rudders.
Lumping Arrangement.
Hatch webs.
Stem Construction.
Stem Frame
House on Bridge Deck and Boat Deck.

SISTER VESSEL S.S. "WOODLAND"
OWNERS REPORT NO 9692.

Certificates enclosed:-

No. 17634 - stem frame - issued at Glasgow 12th Oct. 1948.
No. 17679 - Rudder arms - " " " 11th Nov. 1948.
No. F. 2636 - Diller crosshead - " " Keith 16th Sept. 1948.
No. — - Rudder Head - " " Sunderland 7th March 1948.
No. 17858 - Quadrant - " " Glasgow 25th August 1949.

PARTICULARS OF ELECTRIC WELDING (if employed) Stem frame (fabricated) - seams of W.T. Bulkheads.
bottom bkt. to bkt. at tank top - stiffeners of fore and aft peak bulkheads and O.F. Tanks.
Shell chocks in way of No 1 O.B. Tank and on upper deck in way of Bridge - continuous gussets
at Tank margin.

SPECIAL NOTATIONS: Either as part of the vessel's class or for record in the Register Book. Fitted for O.F. flash point above 150°F.
Lloyds A. & C.P. Cruiser Stern, Direction finding apparatus, Echo sounding, flat keel
5 Bulkheads, cement, wireless.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	24c. 3qr.	A.E.G.	No 750	24-12-48
	2nd "	24c. 2qr. 24lb.	A.E.G.	No 749	24-12-48
	3rd "	20c. 3qr. 10 lb.	A.E.G.	No 798	28-2-49

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 16.62 ft., R.Q.D. — ft., Bridge 82 ft., Forecastle 33.62 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.
Official No. 182696 Signal Letters MTCS Extreme Breadth over Belting — Over-all Length 320.16
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one-steel

Parts of Bottom of Vessel coated with cement or approved composition. Cement in way of Tanks clear of oil fuel
Base in way of O.F. Tanks.

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,	54	183	Fore peak tank,	24	91
Double bottom, under Engines and Boilers,	40	85	After peak tank,	14	88
Double bottom, if under Engines only,	—	—	Deep tank, aft, Tanks in way of tunnel (No 1)	44	177
Double bottom, if under Boilers only,	12	10.5	Deep tank, forward,	52	125
Double bottom, forward,	60	221	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	154	489	(If necessary furnish further information by sketch.)	—	—
	206	614			

Order for Special Survey No. 1032

Date 29th Sept 1947

Dates of Surveys held while building

1948. OCT. 14. 21. 28. NOV. 4. 23. DEC. 8. 14. 17. 28.
1949. JAN. 6. 11. 13. 20. 24. 27. FEB. 1. 3. 9. 14. 17. 21. MAR. 1. 3. 10. 14. 21. 23. 24. 25. 28
29. 30. 31. APRIL 1. 4. 5. 6. 7. 8. 12. 13. 14. 18. 20. 21. 28. MAY 12. 25. JUNE 13. 15. 21.
JULY 7. 10. 14. 19. 20. 21. 22. AUG 3. 4. 5. 8. 10. 12.

Total No. of Visits 64