

10 OCT 1958

Received at London Office

London Office
No. 878

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 8780th September, 1958.

Port of HONG KONG.

No. 14447

Survey held at 13/10 Hong Kong.

Date First Survey 16th June, 1956.

..Last Survey.....19th September, 1958.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Auxiliary Schooner "IAN CROUCH".

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

...State Type of Erections.....Poop & Forecastle.

TONNAGE under }
Tonnage Deck ... }

CLASS +100A1 State if with freeboard } -
as condition of Class }

Built at..... Hong Kong.

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

Length from fore part of stem to after part of stern } L 137.00
post on summer L.W.L. See Sec. 3 (1a) }

Launched 31st March, 1957 Yard No. 669. ✓

Item	Quantity	Unit Price	Total
1. 1000	1000	1.00	1000.00
2. 500	500	2.00	1000.00
3. 250	250	4.00	1000.00
4. 125	125	8.00	1000.00
5. 62.5	62.5	16.00	1000.00
6. 31.25	31.25	32.00	1000.00
7. 15.625	15.625	64.00	1000.00
8. 7.8125	7.8125	128.00	1000.00
9. 3.90625	3.90625	256.00	1000.00
10. 1.953125	1.953125	512.00	1000.00
11. 0.9765625	0.9765625	1024.00	1000.00
12. 0.48828125	0.48828125	2048.00	1000.00
13. 0.244140625	0.244140625	4096.00	1000.00
14. 0.1220703125	0.1220703125	8192.00	1000.00
15. 0.06103515625	0.06103515625	16384.00	1000.00
16. 0.030517578125	0.030517578125	32768.00	1000.00
17. 0.0152587890625	0.0152587890625	65536.00	1000.00
18. 0.00762939453125	0.00762939453125	131072.00	1000.00
19. 0.003814697265625	0.003814697265625	262144.00	1000.00
20. 0.0019073486328125	0.0019073486328125	524288.00	1000.00
21. 0.00095367431640625	0.00095367431640625	1048576.00	1000.00
22. 0.000476837158203125	0.000476837158203125	2097152.00	1000.00
23. 0.0002384185791015625	0.0002384185791015625	4194304.00	1000.00
24. 0.00011920928955078125	0.00011920928955078125	8388608.00	1000.00
25. 0.000059604644775390625	0.000059604644775390625	16777216.00	1000.00
26. 0.0000298023223876953125	0.0000298023223876953125	33554432.00	1000.00
27. 0.00001490116119384765625	0.00001490116119384765625	67108864.00	1000.00
28. 0.000007450580596923828125	0.000007450580596923828125	134217728.00	1000.00
29. 0.0000037252902984619140625	0.0000037252902984619140625	268435456.00	1000.00
30. 0.00000186264514923095703125	0.00000186264514923095703125	536870912.00	1000.00
31. 0.000000931322574615478515625	0.000000931322574615478515625	1073741824.00	1000.00
32. 0.0000004656612873077392578125	0.0000004656612873077392578125	2147483648.00	1000.00
33. 0.00000023283064365386962890625	0.00000023283064365386962890625	4294967296.00	1000.00
34. 0.000000116415321826934814453125	0.000000116415321826934814453125	8589934592.00	1000.00
35. 0.0000000582076609134674072265625	0.0000000582076609134674072265625	17179869184.00	1000.00
36. 0.00000002910383045673370361328125	0.00000002910383045673370361328125	34359738368.00	1000.00
37. 0.000000014551915228366851806640625	0.000000014551915228366851806640625	68719476736.00	1000.00
38. 0.0000000072759576141834259033203125	0.0000000072759576141834259033203125	137438953472.00	1000.00
39. 0.00000000363797880709171295166015625	0.00000000363797880709171295166015625	274877906944.00	1000.00
40. 0.000000001818989403545856475830078125	0.000000001818989403545856475830078125	549755813888.00	1000.00
41. 0.0000000009094947017729282379150390625	0.0000000009094947017729282379150390625	1099511627776.00	1000.00
42. 0.00000000045474735088646411895751953125	0.00000000045474735088646411895751953125	2199023255552.00	1000.00
43. 0.000000000227373675443232059478759765625	0.000000000227373675443232059478759765625	4398046511104.00	1000.00
44. 0.0000000001136868377216160297393798828125	0.00000000011368683		

Breadth (greatest moulded) B 29.50

Builders Cheoy Lee Shipyard.

Gross Tonnage 495.01

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) } D 12.25

Owners R.M. Crouch Esq.

Register Tonnage 199.93

1st Longitudinal Number (L x D) =

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

REGISTERED DIMENSIONS.

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

Residence

gth

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 11.18

Port of Registry.....Port Adelaide.

adth

Do. Long Bridge to }
top of keel }

If surveyed while building, afloat, or in dry dock
 Whilst building, afloat and on slipway.

th

Draught Moulded 10.53

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.....		21		✓	Bracket Floors, Frame		-		
" " from $\frac{2}{3}$ length amidships to Collision bulkhead.....		21		✓	" " Reversed Frame.....		-		
" " in peaks		21		✓	" " Vertical Struts		-		
SIDE FRAMING.					Centre Girder, depth and thickness amidships		-		
Frame Amidships, Angle, E or F Inverted		3 $\frac{1}{2}$	3	$\frac{3}{8}$	✓	" " top Angles	-		
" " Extends up to Upper Deck				✓	" " bottom Angles.....		-		
Reversed Frame Amidships, Angle		-			Side Girders, No. each side and thickness.....		-		
" " Extends up to		-			Margin Plate depth (excl. of flange) and thickness		-		
Depth of Framing Girder.....		3 $\frac{1}{2}$		✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		-		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]		-			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		-		
" " Second 'tween Decks, Angle, [or]		-			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		-		
" " Third " " " " " " " "		-			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		-		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem		-			Tank Side Brackets, height above base line at toe of Frame and thickness		-		
" " in Peaks, Angle E or F Inverted		3 $\frac{1}{2}$	3	$\frac{3}{8}$	✓	INNER BOTTOM PLATING.			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		-			Breadth and thickness of Middle Line Strake...		-		
State if Frame Joggled.....					Thickness of remainder in Holds		-		
Are 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 Bunkers and Boiler Room ?.....		-		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?.....		Yes		✓	BEAMS.				
SINGLE BOTTOM.					Uppermost Continuous Deck, amidships in Inverted		3 $\frac{1}{2}$	3	$\frac{3}{8}$
Floors, Depth and thickness at mid-line in Holds.....		22	.30	✓	" " Hatches in way of Bridge, Angle, E or F Inverted		3	2 $\frac{1}{2}$.30
Height of Brackets at side above base line at toe of frame.....		34		✓	" " Spacing		21		✓
Middle Line Keelson, on Floors, Angles, [or]		-			Second Deck, amidships, Angle, [or]		-		
" " " Through Plate or Inter-costal Plate		22	.34	✓	" " Spacing		-		
" " " Foundation Plate on Floors		11	.34	✓	Third Deck, amidships, Angle, [or]		-		
" " " Flat Plate Keel Angles		Welded		✓	" " Spacing.....		-		
Side Keelsons, No. each side.... One				✓	Fourth Deck, amidships, Angle, [or]		-		
" " thickness of Intercoastal Plate....		.26		✓	" " Spacing.....		-		
" " Foundation		4	.30	✓	Poop Deck, Angle, E or F Inverted		3	2 $\frac{1}{2}$.25
Bottom Reinforcing Inverted Angles		5	3	$\frac{3}{8}$	✓	" " Spacing.....		21	✓
DOUBLE BOTTOM. Two each side.					Bridge Deck, Angle, [or]		-		
Solid Floors, thickness and spacing		-			" " Spacing.....		-		
" " Are Frame and Reversed Frame joggled ?		-			Forecastle Deck, Angle, E or F Inverted		3 $\frac{1}{2}$	2 $\frac{1}{2}$.30
Bracket Floors, breadth and thickness at middle line		-			" " Spacing.....		21		✓
" " breadth and thickness at margin plate		-							

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.	Any De. Approv. be
PILLARS, No. of Rows	Two			✓				9
" in 'tween Decks, Size and Spacing	-							8
" " " " "	-							10
" in Holds	" " "	In accordance with approved plans						
" " " " "	" " "							
Centre Line Bulkhead. Stiffeners and Spacing	-							6
Plating, thickness of	-							3
STRINGERS AND DECKS.								
Uppermost Continuous Deck.								
Stringer Plate, breadth and thickness in Wells	45	$\frac{3}{8}$	✓					
" " " " in way of Bridge	-							
" Angle in Wells Flat Bar	4	$\frac{3}{8}$	✓					
Thickness of Plating abreast Deck openings in way of Wells	.30		✓					
Thickness of Plating abreast Deck openings in way of Bridge	-							
Thickness of Plating within line of openings	.30		✓					
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 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	28	.24	✓					
Plating, Sheathing, material and thickness	.22	.24	2 1/2	0.F.	✓			
Bridge Deck.								
Stringer Plate, breadth and thickness	-							
Plating, Sheathing, material and thickness	-							
Forecastle Deck.								
Stringer Plate, breadth and thickness	1/4		✓					
Plating, Sheathing, material and thickness	1/4	-	-	✓				

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		State if jogged?		No. of Rows of Rivets.	BUTTS.
Flat Plate Keel	38	.50	.50	.50	✓	Welded.	✓	Welded.	✓
" Dblg. (if any)	-								
Bottom Plating, No. of Strakes	Two	.375	.40	.35	✓	Welded.	✓	Welded.	✓
Bilge Plating, No. of Strakes	One	.375	.30	.30	✓	Double	✓ 3/4	3 1/2	Welded.
Side Plating, No. of Strakes	One	.375	.30	.30	✓	Single	✓ 3/4	3 1/2	Welded.
Upper Deck, Sheer-strake in Wells	40	.50	.46	.40	✓	Double	✓ 3/4	3 1/2	Welded.
Upper Deck, Sheer-strake in Bridge									
Strake below Sheer-strake in Wells									
Strake below Sheer-strake in Bridge									
Poop Side Plating		.25				Single	✓ 5/8	2 5/8	Welded.
Bridge Side Plating		.25							
Forecastle Side Plating		.30				Single	✓ 5/8	2 5/8	Welded.

WATERTIGHT BULKHEADS.

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

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any from Plan
KEEL, Bar	-			
STEM	Forging	5 1/2 x 1 1/4	Cheoy L Shipyard	
STERN FRAME	Propeller Post	21 "dia.	✓	
	Rudder Skeg	Forging 5 "x 4 1/2	✓	
Speed of Vessel	9 1/2 Knots			
RUDDER—Type	Semi-balanced.			
" A x D.	10.95			
" Diam. of head	7 3/4 dia.	3 1/8		
" Mainpiece at top pintle	7 3/4 dia.			
" heel	-			
" how constructed	Fabricated			
" double or single plate coupling, vertical or horizontal	Double			
" Muff	type			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks		Inverted Angles			
" " Second					
" " Third					
" " Holds	.30	6x3x.50	30	-	-
" " (in Hold)	.34	5x3x3/8	24	Shelf 9'-0"	above keel
AFTER PEAK	.25	3 1/2 x 3 x .30	24		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Kawasaki Steel Corporation (Fukiai Plant). Open Hearth. ✓
	Has the Steel been tested as required by the Rules? Yes. ✓

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 the Plans should be embodied.)

First of this type.

Plans forwarded herewith and amended "As Fitted":—

Approved Midship Section, Profile & Decks, Bulkheads, Machinery Casings & Deckh
Shell expansion, Stern Frame & Rudder Details.

Documents forwarded herewith :—

Forging certificate for stern frame, rudder mainpiece and rudder stock. } Not rec
Interim Certificate.

Ship examined on slipway and recoated 19th August, 1958.✓

Moulded dimensions 137'-0" x 29'-6" x 12'-3" ✓

Rise of floor 2" ✓ P.F.D. fitted No.

The vessel was launched in March, 1957, but as it was the intention to shot blas
spray the hull before completion the usual multiple coating was omitted at Owners' request
Due to various reasons completion was unduly delayed and on shot blasting and spraying (con
pitting was noted on the keel and bottom plating to light water line. The zinc coating sh
prevent any further progress in pitting but the condition may be noted in the appendix to
S.R.L.

General Declaration (Contd.)

Shell and W.T. bulkheads clear of tanks, including W.T. doors, decks, casings ar
hatch covers hose tested satisfactorily.

Freeboard (summer 1 ft. 9 ins. etc.) as assigned cut in on ship's sides (P & S.)

Requirements of Section 20 of the Rules regarding carrying of oil fuel for ship
complied with.

PARTICULARS OF ELECTRIC WELDING (if employed) Shell side seams riveted remainder of vessel weld

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

1 dk. Part E.W. 3 B.H. L.A.C.P. Mach. Aft.

RADAR Equipment (State if fitted) No.

State Type or Pattern No. —

State } Maker
Name } and/or
of } Supplier

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

1st Bower	7 cwts. 1 qr. 7 lbs. ✓	A.E.G.	1998.	1-11-56.
2nd "	7 cwts. 1 qr. 20 lbs. ✓	A.E.G.	1999.	1-11-56.
3rd "	6 cwts. 0 qrs. 6 lbs. ✓	A.E.G.	879.	16-2-56.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.50 ft., R.Q.D. 30.50 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. Not Assigned Signal Letters V K B N Extreme Breadth over Berthing 30.78 ft. Over-all Length 160.00 ft.
(Circ. 1611) (Circ. 1703) (exclud bowspr

No. and Material of Decks One Steel.

Parts of Bottom of Vessel coated with cement or approved composition Fore Peak, F.W. 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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.
Double bottom, aft,			Fore peak tank,	
Double bottom, under Engines and Boilers,			After peak tank,	F.W.
Double bottom, if under Engines only,			Deep tank, aft,	
Double bottom, if under Boilers only,			Deep tank, forward,	F.W. Tanks P&S Aft (Total)
Double bottom, forward,			Other tanks, if fitted,	ER P&S bunkers OF (Total)
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)	

Order for Special Survey No. —
Date 28-5-56.
Dates of Surveys held while building
1956 June 16, July 3, 7, 13, Aug. 4, 9, 21, Sept. 10, 25, 26, Oct. 2, 4, 11, 18, 25, 31, Nov. 8, 14, 16, 19, 20, 23, 30, Dec. 6, 8, 13, 20, 21, 22.
1957 Jan. 10, 28, Feb. 4, Mar. 5, 14, 21, 26, 27, 31, Apr. 1, 5, 8, 9, 16, May 20, 30, June 6, July 24, Aug. 22, Sept. 6, 19, Nov. 6, 27, Dec. 3.
1958 Jan. 7, 14, Feb. 11, Mar. 5, 7, 21, May 12, July 30, Aug. 13, 27, Sept. 17, 19.