

STEEL STEAMER ~~OR~~ MOTORSHIP

MAY 1952

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 YesDate of completion of report 1-5-52 Port of Karachi No. 1893Survey held at KARACHI Date First Survey 24-1-51 Last Survey 28-4-52 19On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SCREW STEAMER 'FORMA' (EX. H.M.S. 'TRAYANCORE')State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Ex. R.I.N. BASSETT TRAWLER State Type of Erections FORECASTLE ONLY

TONNAGE under Tonnage Deck ...	CLASS <u>100 A</u> State if with freeboard as condition of Class <u>YES</u>	Built at <u>CALCUTTA</u>
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) <u>L 150</u>	Launched <u>1941</u> Yard No. <u>258</u>
Total	Breadth (greatest moulded) <u>B 27.5</u>	GARDEN REACH WORKSHOP, LTD., CONVERTED BY - BRITISH INDIA ENGINEERING WORKS, KARACHI.
Gross Tonnage <u>470.7</u>	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) <u>D 15</u>	Builders <u>EAST & WEST STEAMSHIP CO., KEAMARI, KARACHI.</u>
Register Tonnage <u>234.3</u>	1st Longitudinal Number (L x D) <u>1250</u>	Owners <u>EAST & WEST STEAMSHIP CO., KEAMARI, KARACHI.</u>
REGISTERED DIMENSIONS. FEET	2nd Numeral L x (B + D) <u>6375</u>	Managers (Where necessary to be entered in Reg. Book)
Length <u>153.5</u>	Framing Depth "d," at middle of length. See Sec. 3 (1d) <u>13'-6"</u>	Residence
Breadth <u>27.75</u>	Proportions—Depth to Length—Uppermost continuous deck to top of keel <u>10</u>	Port of Registry <u>KARACHI</u>
Depth <u>14.35</u>	Do. Long Bridge to top of keel <u>✓</u>	If surveyed while building, afloat, or in dry dock
	Draught Moulded <u>PROPOSED 13'-0"</u>	CONVERSION SURVEYED 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.
FRAMES, Spacing amidships.....	22" ✓		Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead.....	22" ✓		" " Reversed Frame.....		
" " in peaks	22" ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <u>E or F</u>	5" x 3" x 5/16" ✓		" " 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.....	5" ✓		" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or F</u>	5" x 3" x 3/8" ✓		Bracket abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, <u>E or F</u>			" " Vertical Angle to Tank side		
" " Third			Bracket from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem			Gussets, spacing and scantling abaft 1/2 len. from stem		
" " in Peaks, Angle <u>E or F</u>	5" x 3" x 3/8" ✓		Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" @ 7" DIAS. ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled.....	NO. ✓		AND LOWER DECK		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			INNER BOTTOM PLATING.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Breadth and thickness of Middle Line Strake... <u>1/4"</u>		
SINGLE BOTTOM.			Thickness of remainder in Holds	<u>1/4"</u>	
Floors, Depth and thickness at mid-line in Holds.....	18" x 7/16" ✓		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?		
Height of Brackets at side above base line at toe of frame.....			BEAMS.		
Middle Line Keelson, on Floors, Angles, <u>E or F</u>	5" x 3" x 1/2" DOUBLE ✓		Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or F</u>	5" x 3" x 7/16" ✓	
" " Through Plate or Inter-costal Plate	21" x 7/16" ✓		" " in way of Bridge, Angle, <u>E or F</u>		
" " Foundation Plate on Floors	3 ✓		Spacing	22" ✓	
" " Flat Plate Keel Angles	5" x 3" x 1/2" DOUBLE ✓	See plan	Second Deck, amidships, Angle, <u>E or F</u>		
Side Keelsons, No. each side.....	1 @ 5" x 3" x 1/2" L ✓		Spacing		
" " thickness of Inter-costal Plate.....			Third Deck, amidships, Angle, <u>E or F</u>		
" " Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <u>E or F</u>		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Poop Deck, Angle, <u>E or F</u>		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate.....			Bridge Deck, Angle, <u>E or F</u>		
			Spacing		
			Forecastle Deck, Angle, <u>E or F</u>	5" x 3" x 5/16" ✓	
			Spacing	22" ✓	

PILLARS AND DECKS.									
		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.				INCHES IN SHIP.	Any Departure Approved Plan be Noted.	
PILLARS, No. of Rows		ONE ON E	/	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 " " "		2 7/8" DIA	/	Thickness of Plating within line of openings...					
" " " " "				If Sheathed, material and thickness.....					
Centre Line Bulkhead. Stiffeners and Spacing				Third Deck. Stringer Plate, breadth and thickness.....					
Plating, thickness of				If Plated, state thickness					
STRINGERS AND DECKS.				Fourth Deck. Stringer Plate, breadth and thickness.....					
Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells		66" x 5/16"	/	If Plated, state thickness.....					
" " " " in way of Bridge				Poop Deck. Stringer Plate, breadth and thickness.....					
" Angle in Wells		3" x 3" x 3/8"	/	Plating, Sheathing, material and thickness ...					
Thickness of Plating abreast Deck openings in way of Wells } 5/16"			/	Bridge Deck. Stringer Plate, breadth and thickness.....					
Thickness of Plating abreast Deck openings in way of Bridge.....				Plating, Sheathing, material and thickness ...					
Thickness of Plating within line of openings...		5/16"	/	Forecastle Deck. Stringer Plate, breadth and thickness.....					
If Sheathed, material and thickness.....		UNSHEATHED	/	Plating, Sheathing, material and thickness...					
Second Deck. Stringer Plate, breadth and thickness in Wells				60" x 1/4" ALL 1/4" PLATING NIL					

SCANTLINGS.					SHELL PLATING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	RIVETING.							
	AMIDSHIPS.		FORWARD.	AFT.		EDGES.			BUTTS.				
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
Inches.	Inches.	Inches.	Inches.	Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.					
Flat Plate Keel.....	39	1/2	7/16	7/16		DOUBLE	3/4	3/4	2	3/4	3/4	STRAPPED	
„ Dblg. (if any)													
Bottom Plating, No. of Strakes ...TWO.....	67	7/16	7/16	7/16		„	„	„	„	„	„	LAPPED	
Bilge Plating, No. of Strakes ...ONE.....	66	7/16	7/16	3/8		„	„	„	„	„	„	„	
Side Plating, No. of Strakes ...ONE.....	67 1/2	7/16	7/16	3/8		„	„	„	„	„	„	„	
Upper Deck, Sheer- strake in Wells.....	59	1/2	1/2	1/2		„	„	„	„	„	„	„	
Upper Deck, Sheer- strake in Bridge ...													
Strake below Sheer- strake in Wells.....													
Strake below Sheer- strake in Bridge ...													
Poop Side Plating.....													
Bridge Side Plating.....													
Forecastle Side Plating	75	5/16	5/16	5/16		SINGLE	3/4	3/4	ONE	3/4	3/4	LAPPED	

WATERTIGHT BULKHEADS.				FORGINGS AND CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)		6	5 for Record	KEEL, Bar				
,, Deck next below		9		STEM		FORGING	7x1 3/8	NO RECORD
As per Rule		FOUR		STERN FRAME		Propeller Post		
						Rudder		
STIFFENERS.				Speed of Vessel		11 KNOTS		
		VERTICAL.	HORIZONTAL.	RUDDER—Type		BALANCED		
		Scantlings.	Spacing.					
MIDSHIP BULKH'D, Upper 'tween decks				,, A x D		59"		
,, ,, Second				,, Diam. of head		7"		
,, ,, Third				,, Mainpiece at top pintle				
,, ,, Holds		5/16"	6"x3 1/2"x1/2"	,, ,, heel				
COLLISION		1/4"	6"x3 1/2"x3/8"	,, how constructed		RIVETTED		
,, (in Hold)		5/16"	5"x3"x7/16"	,, double or single plate coupling, vertical or horizontal		DOUBLE		
AFTER PEAK								

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)	6 ✓ 5 for Record					
„ Deck next below	9					
As per Rule	FOUR					

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds <i>Sepline</i>	5/16"	6"x3 1/2"x1/2"	27"		✓
COLLISION „ (in Hold)	1/4"	6"x3 1/2"x3/8"	24"		✓
AFTER PEAK „	5/16"	5"x3"x7/16"	27"		✓

		Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar					
STEM		FORGING	7"x1 1/8"		NO RECORD
STERN FRAME	Propeller Post				
	Rudder				
Speed of Vessel			11 KNOTS		✓
RUDDER—Type			BALANCED		
„ A x D			59"		
„ Diam. of head			7"		✓
„ Mainpiece at top pintle					
„ „ heel					
„ how constructed			RIVETTED		✓
„ double or single plate coupling, vertical or horizontal			DOUBLE		✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **MADE IN INDIA. REPORTED TO BE LLOYDS TESTED**

Has the Steel been tested as required by the Rules? **No RECORD**

	EQUIPMENT No.	LETTER	ANCHORS.					
Number of Certificate	Anchors.	WEIGHT, EX STOCK. Cwts. qrs. lbs.	WEIGHT OF STOCK. Cwts. qrs. lbs.	TEST, PER CERTIFICATE. Tons. cwts. qrs. lbs.	WEIGHT REQUIRED BY TABLE # 55 Cwts.	Description of Anchor.	Makers.	Where and who tested, and Superintendent.
No. 403/1	1st Bower ..	15 - -	STOCKLESS	17 - -	7 1/4 9	CAST STEEL	BURNE & Co, HOWRAH,	KARACHI PORT TRUST
" " 403/2	2nd "	15 - -	"	17 - -	7 1/4 8 1/2	"	CALCUTTA	TEST HOUSE IN PRESENCE OF J. JOHNSTON
	3rd "	- -	-	-	-	-	-	-
	Collective weight	30 - -	-	-	-	-	-	J. JOHNSTON
	Stream	- -	-	-	-	-	-	-

[illegible]

CHAIN CABLES.									HAWSEERS AND WARPS.											
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 63.		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 63.				
	Fathoms.	Diam.	Stain- ing.	Break- ing.	Supplied.	Per Rule.	Cwts. qrs. lbs.	Cwts.					Fathoms.	Inch.		Length.	Cir.	Tons.	Fathoms.	Inch.
												"	60	6"	"	60	5 1/2"			

Steering Gear, Type (Power or hand) **COMBINED STEAM & HAND** Alternative Means of Steering _____

Steering Chains (Size and Test) _____ Windlass **STEAM AND HAND** Boats _____

Ceiling in Holds, thickness and material _____ Cargo Battens, thickness, material and spacing **NIL**

COALING

Cargo Hatchways.—(Upper Deck) _____ **ONE** Thickness of Hatches **2 1/2"**

Size of Hatchways No. 1 (Fwd.) **6'-10" x 10'-5"** No. 2 _____ No. 3 _____ No. 4 _____ No. 5 _____ No. 6 _____

Number of Shifting Beams } **ONE BEAM.**

BRITISH INDIA

Convented by

BRITISH INDIA
ENGINEERING WORKS
KARACHI
DRAWING OFFICE
DATE 29-4-52

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.....*do*
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.....*do* 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).

The Basset Trawler has been converted to a coal fired towing Vessel, carrying additional bunkersⁱⁿ the upper part of the hold and 80 tons of fresh water in the deep tank constructed in the lower part of the hold. It is intended that this additional fresh water be supplied to vessels awaiting berths at Chittagong and the Vessel would not, normally be used for towing with this coal and water on board.

The conversion has been carried out in accordance with approved plans and the workmanship is satisfactory.

The Vessel is, in my opinion, eligible to be classed as contemplated.

The amount of Entry Fee..... £ 1966 } Fees applied for, _____
 _____ 19 _____
 Special Survey Fee..... £ : : }
 Received by me, _____
 Travelling Expenses, if any £ : 70 } _____ 19 _____

(Special notations, where part of class, to be stated.)
 FOR TOWING SERVICES COAST OF INDIA
 PERSIAN GULF AND CHITTAGONG

I am of opinion the Vessel should be Classed A-

State whether the Vessel has been built under Special Survey NO

Certificate to be sent to Karachi Date of issue 17/17/52

Signature [Signature]
 Surveyor to Lloyd's Register of Shipping.

Committee's Minutes
Character assigned
3.52 Kth.
S.S. Kth. 4.52.
LMC 4.52
S(OG) 3.52
F.D.
Classed 4.52.
Converted '52
1 SB 220/b

TUES. 24 JUN 1952

AI For Towing Services, Chittagong, Karachi and the Persian

© 2010
Classification
Certificates Written
Lloyd's Re
Foundati

© 2020
CLASSIFICATION
CERTIFICATES WRITTEN
Lloyd's Re
Foundati

0007 212

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 vessel was converted from a Basset Trawler in accordance with the drawings forwarded under this Office No. F/46 of 26.6.51 and duly approved.

The bearing surface of the hatchway beams is 3", the thickness of the web plate .375.

Efficient plugs and covers are provided for the ventilator coamings and air pipes.

The overboard discharges from spaces on and above the freeboard deck are fitted with storm valves; there are no overboard discharges from spaces below the freeboard deck.

The sive cuttles are of bronze and in no case is the sill less than 6" above the proposed tropical mark.

The dead lights are of bronze and were admiralty supplied. The freeing ports are fitted with bars.

The guard wires are set up with stretching screws.

PARTICULARS OF ELECTRIC WELDING (if employed) **NONE**

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
FOR TOWING SERVICES ON THE COAST OF INDIA AND PERSIAN GULF AND CHITTAGONG

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

2nd "

3rd "

20 FT. DROP TO RULE REQUIREMENTS

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle **26.25** ft.

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

Official No. **191032** Signal Letters **AQBA** Extreme Breadth over Belting **27'-9"** Over-all Length **163'-0"**
(Circ. 1611) (Circ. 1703)

No. and Material of Decks **ONE STEEL**

Parts of Bottom of Vessel coated with cement or approved composition **BOTTOM CEMENTED THROUGHOUT**

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,			Fore peak tank,	10'-0"	15
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, OF BOILER ROOM	20'-2"	80
Double bottom, forward,			Other tanks, if fitted, CHAIN LOCKER	11'-0"	17
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building



© 2020

Lloyd's Register Foundation

Rpt. 8.

RE

Date of writing

No. in Reg. Book.

TONNA

GROSS

UNDER DECK

NET

Surveyed A

Cell D Bor L

total capac

Only

N.B.—

Last R

(Periodical Sur

the Survey

and subseq

other cause

replacement

State also th

In damage c

offered

REPAIRS,

Now D

EXAMIN

SUMMARY O

Renewe

Remove

Faired

PRESENT CO

Decks

Caulking of D

Coamings

Beams & Fast

Outside Plating

" "

Frames

Reverse Fram

Longitudinals

Transverses

Floors

Keelsons

Stringers

Inner Bottom

Have the Tan

Have the Tan

Genera

this su

survey

S.S.

Survey Fee (p

Special Damag

(per Se

Travelling Exp

Second Survey

Committed

Character