

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office SAT. NOV. 23. 1912

Date of completion of report 22nd November 1912 Port of West Hartlepool
Survey held at West Hartlepool Date, First Survey 2nd May Last Survey 16th May 1912
On the Steel Screw Steamer "ARAKAN" (Göteborg No. 811) Rig Schooner.

TONNAGE under
Tonnage Deck 4468.66
Do. between Tonnage Dk. and 3rd and 4th Dk. -
Total under Upper Dk. 4468.66
Do. of Poop 104.09
Do. of ~~other~~ other erections 132.14
Do. of Bridge House 76.21
Do. of Forecastle -
Do. of Houses on Dk. -
Do. of excess of Hatchways 21.70
Do. above Crown of -
Engine Room 5105.80
Gross Tonnage 185.92
Less Crew Space 4919.88
Less above Crown of -
Engine Room 1633.85
Tonnage for Fees 81.40 1715.25
Less Navigation Spaces 3204.63
Less Engine Room 1633.85
Less Navigation Spaces 81.40 1715.25
Less Tonnage by Dutch authorities
is out on Beam 3204.63

CLASS 100 A.1.

FEET.

Master S. VAN RONKEL

Year of appointment (1) As Master in service of owner of present vessel: 1911
(2) As Master of this vessel 1912

Built at West Hartlepool

When built 1912 Launched 14th Sept. 1912.

By whom built W. Gray & Co. Ltd.

Owners Rotterdamse Lloyd

Managers W. Ruys & Zönnchen
(Where necessary to be entered in Reg. Book.)

Residence Rotterdam.

Port belonging to Rotterdam.

Destined Voyage Rotterdam If Surveyed while Building, Afloat in Dry Dock Yes.

LENGTH on Deck	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH, ACTUAL	Feet.	Inches.	No. of Decks with flat laid
as per Rule	399	10 1/2	Moulded	53	3 1/2	Top of Floors to top of Upper Dk. Beams	27	2	Two
						Do. do. do. do. Second Dk. Beams	18	8 1/2	Two

Dimensions of Ship per Register, Length 400' breadth 53-5' depth 27-1' Moulded depth, ft. 37 ins. 1 1/2 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 1/2 ins.
Moulded depth, ft. 29 ins. 7 1/2 To Upper Dk.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, glue Bars amidships	9 1/2	3 1/2	3 1/2	9 1/2	3 1/2	5 1/4	PILLARS, In 'tween Deck, size and spacing	3 1/2	52	3 1/2	52
Do. in peaks	7	3 1/2	1 1/4	7	3 1/2	1 1/4	" " Hold	5 1/2	52	5 1/2	52
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	1 1/4	3 1/2	3 1/2	1 1/4	" " Quarter 'tween Dks.,	-	-	-	-
" " at intermdt. Bkts.	3 1/2	3 1/2	1 1/4	3 1/2	3 1/2	1 1/4	" " in Hold	-	-	-	-
Spacing of Frames from centre to centre amidships	26	-	-	26	-	-	KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
" " length to Collision bulkhead	26	-	-	26	-	-	CENTRE LINE KEELSON, Vertical Plate above	-	-	-	-
" " in peaks	24	-	-	24	-	-	floors, Through Plate, or Intercostal Plate	-	-	-	-
REVERSED FRAME, Angles	-	-	-	-	-	-	Rider Plate	-	-	-	-
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	1 1/4	3 1/2	3 1/2	1 1/4	Flat Plate Keel Angles	-	-	-	-
" " at intermdt. Bkts.	9 1/2	-	-	9 1/2	-	-	Horizontal Plates on Floors	-	-	-	-
FRAMING, depth of girder	-	-	-	-	-	-	Angles or Bulb Angles	-	-	-	-
FLOORS, depth and thickness of Floor Plate	-	-	-	-	-	-	SIDE KEELSONS, Number	-	-	-	-
at mid-line for 1/2 length amidships	5	55	5	55	5	55	Angles or Bulb Angles	-	-	-	-
" in way of Engine and Boiler Spaces	-	-	-	-	-	-	Plate above floors, for length	-	-	-	-
" thickness at the ends of vessel	-	-	-	-	-	-	Intercostal Plate, for length	-	-	-	-
" depth at 1/2 the half breadth, as per Rule	-	-	-	-	-	-	Attached to outside Plating with Angle	-	-	-	-
" height extended at the Bilges	-	-	-	-	-	-	BILGE KEELSON, Angles	-	-	-	-
FLOORS & BRACKETS in Cell Dble Bottoms	43	-	45	43	-	45	Intercostal Plate for length	-	-	-	-
" state if flanged (top & bottom)	40	-	-	40	-	-	Attached to outside Plating with Angle	-	-	-	-
" Spacing	52	-	-	52	-	-	SIDE STRINGERS, Number	One	-	One	-
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	43	-	50	43	-	50	Angle	6 1/2	3 1/2	60	6 1/2
" Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2	50	Intercostal Plate, for full length	1 1/2	3 1/2	1 1/4	3 1/2
" Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	Attached to outside plating with Angle	4 1/2	3 1/2	4 1/4	3 1/2
" to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Upper Deck Stringer Plate, br'dth & thickness	72	64	72	64
SIDE GIRDERS, number on each side & thickness	Three	-	45	Three	-	45	(clear of Bridge)	72	46	72	46
" state if flanged (top and bottom)	40	-	-	40	-	-	br'dth & thickness	72	46	72	46
" Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40	(in way of Bridge)	72	46	72	46
" to Floors	3	3	40	3	3	40	Angle (clear of Bridge)	5 x 5	70	5 x 5	70
MARGIN PLATE, depth (exclusive of flange)	3 1/2	-	48	3 1/2	-	48	" Tie Plate at sides of Hatchways	-	-	-	-
" and thickness	1 1/4	1 1/4	48	1 1/4	1 1/4	48	Deck * Iron Steel, for full lng.	-	-	-	-
" Angles to Outside Plating	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Thickness (clear of Bridge)	-	55	-	55
" Floors	25	-	-	25	-	-	(in way of Bridge)	-	44	-	44
" Height of Brackets above at bilge	43	-	50	43	-	50	Wood Deck. Material & thickness	72	44	72	44
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	5	50	5	50	5	56	Second Deck Stringer Plate, br'dth & thickness	72	44	72	44
" in Engine and Boiler space	-	-	40	-	-	40	Angles on ditto, No. Two	3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48
" Remainder in Holds	-	-	-	-	-	-	Tie Plates outside Hatchways	-	-	-	-
BEAMS, Upper Deck, Single Angle, Bulb	9	3 1/2	52	9	3 1/2	52	Deck * Iron Steel, for full lng.	-	36	-	36
" Angle, Plate, Tee Bulb, or Channel	-	-	-	-	-	-	Wood Deck. Material & thickness	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	Third Deck Stringer Plate, br'dth & thickness	-	-	-	-
" In way of Long Bridge	-	-	-	-	-	-	Angles on ditto, No.	-	-	-	-
" Spacing	26	-	-	26	-	-	Tie Plates, outside Hatchways	-	-	-	-
BEAMS, Second Deck, Single Angle, Bulb	10 1/2	3 1/2	56	10 1/2	3 1/2	56	Deck * Material and thickness	-	-	-	-
" Angle, Plate, Tee Bulb, or Channel	-	-	-	-	-	-	Fourth and Fifth Deck Stringer Plate, breadth & thickness	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	Angles on ditto, No.	-	-	-	-
" Spacing	26	-	-	26	-	-	" Tie Plates outside Hatchways	-	-	-	-
BEAMS, Third and Fourth Deck, Single Angle, Bulb	-	-	-	-	-	-	Deck. Material & thickness	-	-	-	-
" Angle, Plate, Tee Bulb, or Channel	-	-	-	-	-	-	Poop Deck Stringer Plate, breadth & thickness	48	42	-	34
" Angles on upper edge	-	-	-	-	-	-	Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" Spacing	-	-	-	-	-	-	Tie Plates	-	-	-	-
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	4 1/2	3	42	4 1/2	3	42	Deck. Material and thickness	Steel	-	42	-
" Angles on upper edge	-	-	-	-	-	-	Bridge Deck Stringer Plate, br'dth & thickness	55	54	55	54
" Spacing	26	24	-	26	24	-	Angle on ditto	5 x 5	60	5 x 5	60
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	52	9	3 1/2	52	Tie Plates	-	-	-	-
" Angles on upper edge	-	-	-	-	-	-	Deck. Material and thickness	Steel	-	49	-
" Spacing	26	-	-	26	-	-	Forecastle Deck Stringer Plate, br'dth & thickness	35	34	35	34
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	56	9 1/2	3 1/2	56	Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" Angles on upper edge	-	-	-	-	-	-	Tie Plates	-	-	-	-
" Spacing	52	48	-	52	48	-	Deck. Material and thickness	Steel	30 sheathed with 3" P.P. Ribs	-	-

WEB FRAMES.

WEB-FRAMES, In Fore Body, No. and spacing

WEB-FRAMES, In E. & B. Space, No. & spacing

WEB-FRAMES, In After Body, No. and spacing

BULKHEADS.

W.T. BULKHEADS

COLLISION PARTITION

LONGITUDINAL

PLATING.

STRAKES.

FLAT PLATE KEEL

Garboard or A Strake

B

C

D

E

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U

V

W

THICKNESS OF SHEET PILE

DO. OF STRAKE BELOW

DBLG. OF Flat Plate Keel

Sheerstrakes

POOP SIDES

SHORT BRIDGE SIDES

FORECASTLE SIDES

FORGINGS or CASTINGS.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER-A x D Table 22. Speed under 12 knots

Main-Piece, diameter at head

at heel

RUDDER, how constructed

Thickness of Plates or Single Plate

Can the Rudder be unshipped afloat?

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.

RIVETING.

EDGES

Butts.

Upper Deck

Stringer Plate

Second Deck

Stringer Plate

FRAMES extend in one length from

REVERSED FRAMES on floors and frames extend from

MASTS, SPARS, &c.

LOWER MASTS

Bowspit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails, one complete

Mechanical tests of C.S. Heads by J. Meijer of Dinslaken.

EQUIPMENT No. 35368-74 LETTER Z

ANCHORS.

TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS

CHAIN CABLES.

HAWERS AND WARPS.

Boats

Pumps

Windlass

Engine Room Skylights

Coal Bunker Openings

Number of Scuppers

Ceiling in Holds

Cargo Hatchways

State No. 1 Hatch

Number of Web Plates

Bulwarks

Builder's Signature

Correspondence

Workmanship

Is the riveted work properly closed?

Are the liners between the frames and plates solid single pieces?

Are the butts of plating, stringers, &c., properly shifted and overlapped?

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?

General Remarks

The vessel has been placed in dry dock, Bottom and Rudder cleaned, examined and recoated.

This vessel, though not a sister ship, is similar to 15. Gray & Co's S/S "Arabistan" & "Sharistan" (Nos. 802 & 805 respectively) see Harbours Reports nos. 14425 & 14468.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee

Special Survey Fee

Travelling Expenses

State whether the vessel has been built under Special Survey

I am of opinion this vessel should be Classed

With, or without, Freeboard, as condition of Class

Committee's Minute

Character assigned

THE NOV 26 1912

10001

Lloyd's & T.C.P.

2.11.12

Wm. H. H. H.

Surveyor to Lloyd's Register of British and Foreign Shipping.

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GENERAL REMARKS—(continued).

Rpt. 4.

Date of writing

No. in Su
Reg. Book

Master

Engines ma

Boilers ma

Registered

Nom. Hors

ENGINE

Dia. of Cy

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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft., R.Q.D. ☒ ft., Bridge 258 ft., Forecastle 40.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 decks (steel).

Official No. 128937; Signal Letters

State if Machinery is fitted aft

no.

How are the surfaces preserved from oxidation? Inside

Portland Cement & Paint

Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular system

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>132</u>	<u>423</u>	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	<u>26</u>	<u>119</u>	After peak tank,	—	<u>33</u>
Double bottom, if under Engines only,	<u>—</u>	<u>—</u>	Deep tank, aft,	<u>36.8</u>	<u>450</u>
Double bottom, if under Boilers only,	<u>—</u>	<u>—</u>	Deep tank, forward,	—	—
Double bottom, forward,	<u>175.7</u>	<u>642</u>	Other tanks, if fitted,	—	—
Total capacity of double bottom		<u>1184</u>	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules yes.

Order for Special Survey No. 2128

Date 16th March 1912

No. 811 in builder's yard.

DATES of Surveys held while building

May 2. 6. 8. 10. 13. 17. 21. 23. 30. 31. Jun. 6. 10. 12. 14. 25. 28. Jul. 4. 9. 16. 22. 29. Aug. 12. 13. 16. 22. 28. 29. Sept. 1. 2. 6. 9. 11. 12. 13. 16. 19. 24. Oct. 7. 8. 11. 16. 21. 29. 30. Nov. 4. 5. 6. 9. 11. 13. 14. 15. 16.

Surveyor's Signature

William M. Ward

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Total No. of Visits 53

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