

Deck

IRON OR STEEL STEAMER.

THUR. 18 JUN 1903

Received at London Office.

Date of completion of report

14 June 1903

Port of

SUNDERLAND

No.

21385

Survey held at

SUNDERLAND

Date, First Survey

November 21st 1902

Last Survey

June 11th

1903

On the

S.S. "HARALD"

Rig

SCHOONER

TONNAGE under Tonnage Deck

2793.67

THREE DECKED VESSEL.

CLASS 100 A.1.

FEET.

Master

A. ANDERSEN

Year of appointment

(1) As Master in service of owner of present vessel: 1903
(2) As Master of this vessel: 1903

Built at

SUNDERLAND

When built

1903

Launched May 11 1903

By whom built

Messrs J. L. THOMPSON & Sons, Ltd.

Owners

Messrs BRUSGAARD Kjøbenhavn & C.

Managers

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

Residence

OSLO

Port belonging to

OSLO

Do. between Tonnage Dk. (and 3rd and 4th Dk.)

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of Engine Room

Gross Tonnage

2994.85

Less Crew Space

81.88

Less above Crown of Engine Room

41.99

TONNAGE FOR FEES

2870.98

Less Engine Room

968.35

Less Navigation Spaces

22.38

ABOVE CROWN OF E.R.

41.99

Register Tonnage

1932.24

Half Breadth (moulded)

23.83

Depth from upper part of Keel to top of Upper Deck Beams (with the normal round up of beam)

24.95

Girth of Half Midship Frame (as per Rule)

44.89

93.61

deduct 7 feet

7.00

1st Number

86.61

Length on deck from after part of stem to fore part of stern post

323

2nd Number

27980

Proportions—Breadth to Length

6.77

Depth to Length—Upper Deck to top of Keel

12.95

Main Deck ditto

Destined Voyage

NARVIK

Surveyed while Building Afloat, or in Dry Dock UNDER SPECIAL SURVEY

LENGTH on Deck

as per Rule

BREADTH—

Moulded

DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams

Do.

Do.

Do.

Do.

Do.

Do.

Do.

Dimensions of Ship per Register, Length 325.0 breadth 48.0 depth 21.6 Moulded depth, ft. 24 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 11 1/2 ins.

FRAMING.

FRAME, Angles, or L or Bars for 1/2 length amidships

9 3 1/2 13 9 3 1/2 13

Do. for 1/2 at each end

9 3 1/2 12 9 3 1/2 12

Do. in way of Double Bottoms at Solid Floors

3 1/2 3 1/2 8 3 1/2 3 1/2 8

Distance of Frames from moulding edge to moulding edge, all fore and aft

24

REVERSED FRAME, Angles

5 1/2 3 1/2 8 5 1/2 3 1/2 8

DEEP FRAMING, depth of girder

24

FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships

24

in way of Engines and Boilers

24

thickness at the ends of vessel

24

depth at 1/2 the half breadth, as per Rule

24

height extended at the Bilges

24

FLOORS & BRACKETS in Cell Dble Bottoms

48

Distance apart

48

ENTRE GIRDER, in Double bottom, depth and thickness

40

Angles, Top

3 1/2 3 1/2 10 3 1/2 3 1/2 10

Bottom

6 1/2 4 9 6 1/2 4 9

IDE GIRDERS, number on each side & thickness

3 1/2 3 1/2 7 3 1/2 3 1/2 7

Angles

3 1/2 3 1/2 7 3 1/2 3 1/2 7

ARGIN PLATE, depth (exclusive of flange) and thickness

3 1/2 3 1/2 8 3 1/2 3 1/2 8

Angles to Outside Plating

3 1/2 3 1/2 8 3 1/2 3 1/2 8

NER BOTTOM PLATING, breadth and thickness of Middle Line Strake

36 9 36 9

in Engine and Boiler space

36 9 36 9

Remainder in Holds

36 9 36 9

AMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

11 3 1/2 15 11 3 1/2 15

Angles on upper edge

48

Average space

48

AMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

11 3 1/2 15 11 3 1/2 15

Angles on upper edge

48

Average space

48

AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

11 3 1/2 15 11 3 1/2 15

Angles on upper edge

48

Average space

48

MS, Hold, or Orlop, Plate or Tee Bulb

12 11 12 11

Angles on upper edge

6 4 9 6 4 9

Average space

6 4 9 6 4 9

MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb

6 3 8 6 3 8

Angles on upper edge

24

Average space

24

IS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb

5 1/2 3 8 5 1/2 3 8

Angles on upper edge

24

Average space

24

S, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb

9 5 1/2 11 9 5 1/2 11

Angles on upper edge

48

Average space

48

RS, In 'tween Deck, size and spacing

4 1/2 4 1/2 48 4 1/2 4 1/2 48

Hold

4 1/2 4 1/2 48 4 1/2 4 1/2 48

Quarter 'tween Dks

4 1/2 4 1/2 48 4 1/2 4 1/2 48

in Hold

4 1/2 4 1/2 48 4 1/2 4 1/2 48

WEB FRAMES, In Fore Body, No. and spacing

24 9 24 9

breadth & thickness

24 9 24 9

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

24 9 24 9

breadth & thickness

24 9 24 9

WEB FRAMES, In After Body, No. and spacing

24 9 24 9

breadth & thickness

24 9 24 9

No. of Side Stringers

24 9 24 9

Size of Angles

6 4 12 6 4 12

BRACKET PLATES to Stringers between Web Frames, depth and thickness

6 4 12 6 4 12

FORGINGS or CASTINGS.

KEEL, Bar or Side Plates, depth and thickness

FLAT PLATE

STEM, moulding and thickness

10 1/2 x 2 1/4

STERN-POST for Rudder do. do.

11 x 6

for Propeller

11 x 6

MAIN PIECE of Rudder, diameter at head

8 1/2

do. at heel

6 1/2

RUDDER, how constructed

FORGED - SINGLE PLATE

Can the Rudder be unshipped afloat?

Yes

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

CELLULAR

Rider Plate

CELLULAR

Bulb Plate to Intercoastal Keelson

CELLULAR

Horizontal Plates on Floors

CELLULAR

Angles

CELLULAR

SIDE KEELSON, Angles

CELLULAR

Bulb or Plate above floors, for length

CELLULAR

Intercoastal Plate, for length

CELLULAR

Attached to outside Plating with Angle

CELLULAR

BILGE KEELSON, Angles

CELLULAR

Bulb or Plate above floors, for length

CELLULAR

Intercoastal Plate for length

CELLULAR

Attached to outside Plating with Angle

CELLULAR

BILGE STRINGER, Angles

CELLULAR

Bulb Plate for length

CELLULAR

Intercoastal Plate for length

CELLULAR

Attached to outside Plating with Angle

CELLULAR

2 SIDE STRINGER, Angles

CELLULAR

Bulb or Intercoastal Plate, for length

CELLULAR

Attached to outside plating with Angle

CELLULAR

Upper Deck Stringer Plates, br'dth & thickness

53 12 53 12

Angle on ditto

5 x 5 9 5 x 5 9

Tie Plates fore and aft, outside Hatchways

PLATING

Deck * Iron or Steel, for length

INSIDE REJECTIONS AND 7/16 IRON OUTSIDE

Wood Deck, Material & thickness

7/16 IRON OUTSIDE

Middle Deck Stringer Plate, br'dth & thickness

60 12 60 12

Angles on ditto, No.

3 1/2 x 3 1/2 10 3 1/2 x 3 1/2 10

Tie Plates outside Hatchways

3 1/2 x 3 1/2 10 3 1/2 x 3 1/2 10

Deck, Material and thickness

3 1/2 x 3 1/2 10 3 1/2 x 3 1/2 10

Lower Deck Stringer Plate, br'dth & thickness

36 7 36 7

Angles on ditto, No.

3 x 3 8 3 x 3 8

Tie Plates, outside Hatchways

3 x 3 8 3 x 3 8

Deck * Material and thickness

3 x 3 8 3 x 3 8

Hold, or Orlop Stringer Plate, br'dth & thickness

PLATING.										RIVETING.																																																																																																																																																																																			
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.																																																																																																																																																																																				
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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.: SIEMENS-MARTIN																																																																																																																																																																																													
Steel Plates: CONSETT IRON CO. SOUTH DUNFRAE & CO.																																																																																																																																																																																													
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3168	1st Bower	47	3	21	47	3	21	47	3	21	47	3	21	47	3	21	47	3	21																																																																																																																																																																										
3277	2nd "	42	3	0	42	3	0	42	3	0	42	3	0	42	3	0	42	3	0																																																																																																																																																																										
3319	3rd "	39	3	7	39	3	7	39	3	7	39	3	7	39	3	7	39	3	7																																																																																																																																																																										
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3117	Stream	11	2	7	11	2	7	11	2	7	11	2	7	11	2	7	11	2	7																																																																																																																																																																										
3401	Kedge	5	3	21	5	3	21	5	3	21	5	3	21	5	3	21	5	3	21																																																																																																																																																																										
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Pumps, Number ONE DUNTON PUMP 4" & ONE 5" HAND PUMP TO FURNISH WATER TO FRESH WATER TANK																																																																																																																																																																																													
Windlass is EMERSON WALKER & THOMPSON 8 SPDS																																																																																																																																																																																													
Engine Room Skylights.—How constructed? Of Steel																																																																																																																																																																																													
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Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 SCUPPERS IN EACH SIDE. 8 FREEING PORTS IN SIDE 3'0" x 1'4"																																																																																																																																																																																													
Ceiling in Holds, thickness and material 2 1/2" PINE																																																																																																																																																																																													
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Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 WEB PLATES TO NO. 1-3 HATCHES. 3 WEBS TO NO. 2 HATCH.																																																																																																																																																																																													
1 Web to No. 4 Hatch. 3 EARS AND AFTERS TO EACH HATCH NO. OF BREADTHOOKS FOUR No. of Crutches DEEP FLOORS																																																																																																																																																																																													
Bulwarks, height above deck and description 3'6" STEEL PLATE Main Rail, material and size 5 1/2" x 3/4" BILD ANGLE																																																																																																																																																																																													
The above is a correct description																																																																																																																																																																																													
Builder's Signature (here only) JOSEPH L. THOMPSON & SONS, Limited. Surveyor's Signature S. S. Thompson Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																																																																																																																													

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M. 4-11-02 M. 7-11-02 M. 12-11-02 M. 22-11-02 M. 2-12-02 M. 10-12-02 & E. 14-12-02

Workmanship. Are the butts of plating planed or otherwise fitted? **PLANED AND OVERLAPPED**Is the riveted work properly closed? **Yes**Are the liners between the frames and plates solid single pieces? **JOINTED PLATING** Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? **Yes** Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? **Yes** Do any rivets break into or through the seams or butts of plating? **A FEW**Are the butts of Plating, Stringers, &c., properly shifted and strapped? **Yes**Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? **Yes**State results of tests **SATISFACTORY**Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? **Yes**State results of tests **SATISFACTORY**General Remarks (State quality of workmanship, &c.) **THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE SECRETARY'S LETTERS DATED AS STATED ABOVE AND GENERALLY IN ACCORDANCE WITH THE RULES****THE MATERIALS AND WORKMANSHIP ARE GOOD. THE EFFICIENCY OF THE DUNTON PUMP AND W.T. DOORS HAS BEEN ASCERTAINED.****THIS IS A SISTER VESSEL TO THE S.S. "HERMION" S.O. Report No. 21320**

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop **30'9"** ft., R.O.D. or Break **ft.**, Bridge Dk. **9'8"** ft., F'castle **3'9"** ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly statedNo. 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) **100 (AT 1/4" & AT 3/4") 2-TIER 8" & 6" SPACING. 30" RAIL**Official No. **✓**; Signal Letters **✓**How are the surfaces preserved from oxidation? Inside **BOILER COAT & PAINT** Outside **PAINT**

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

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	100	260.65	Fore peak tank,	16.4	86.44
Double bottom, under Engines and Boilers,			After peak tank,	18.5	119.23
Double bottom, if under Engines only,	24	76.00	Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	142	408.00	(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. **4416**Date **20-11-02**No. **408** in builder's yard.

DATES OF SURVEYS held while building

1902. Nov. 21. Dec. 12. 22. 24. 29. 1903. Jan. 7. 9. 19. 23. 26. 28. 29. Feb. 23. 26. 29. 12. 17. 20. 23. 26. 27. Mch. 3. 5. 6. 7. 11. 12. 13. 18. 20. 23. 26. 27. 31. Apr. 1. 6. 7. 8. 11. 20. 22. 27. 28. 30. May 2. 5. 6. 27. 29. June 9. 11

Total No. of Visits **54**The amount of Entry Fee.....£ **5** : : : Fees applied for, **15 June 1903**
Special Survey Fee.....£ **96** : **5** : **6** Received by me, **17 June 1903**
Travelling Expenses, if any £ : : : **17 June 1903**Certificate to be sent to **Sunderland**State whether the Vessel has been built under Special Survey **Yes**I am of opinion this Vessel should be Classed **+ 100-A-1 STEEL LLOYD'S A.T.C.P.**

without Freeboard, as condition of Class.

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

Committee's Minute

FRI. 19 JUN 1903

Character assigned

100A1 Steel
sent as per
+ 2 Mch 6.03
Enclosure