

3 Decks Rule.

IRON OR STEEL STEAMER.

Received at London Office TUES. 4 OCT 1904

Date of completion of report 29th September 1904 Port of Middlesbrough No. 3943
Survey held at Stockton Date, First Survey 22nd March '04. Last Survey 24th September 1904
On the steel screw steamer "Granitor" Rig Schooner.

TONNAGE under 2529.18
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk. ...
Total under Upper Dk. ...
Do. of Poop 82.78
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 3022.65
Less Crew Space 86.84
Less above Crown of Engine Room ...
Tonnage for Fees... 2931.28
Engine Room 967.25
Navigation Spaces 31.74

One THREE DECKED VESSEL
CLASS 100A.1.30 Rul.
Half Breadth (moulded) ...
Depth from upper part of Keel to top of Upper Deck Beams ...
Girth of Half Midship Frame (as per Rule) ...
deduct 7 feet ...
1st Number ...
Length on deck from after part of stem to fore part of stern post ...
2nd Number ...
Proportions—Breadth to Length ...
Depth to Length—Upper Deck to top of Keel ...
Main Deck ditto ...

Master Alfred Hocken
Year of appointment (1) As Master in service of owner of present vessel—18 1904
(2) As Master of this vessel—18 1904
Built at Stockton.
When built 1904. Launched 25th August 1904
By whom built Ropner & Son.
Owners R. A. Holman & Co
Managers (Where necessary to be entered in Reg. Book.)
Residence London
Port belonging to London

Destined Voyage Tyne to River Plate If Surveyed while Building Afloat, or in Dry Dock Yes
No. of Decks with flat laid One
No. of Tiers of Beams Two
Round of Upper Dk. Beam, Actual 12 ins.
No. of Decks with flat laid One
No. of Tiers of Beams Two
Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Angles, or L, E or L Bars for 1/2 length amidships	5 1/2	3 1/2	9 1/2	5 1/2	3 1/2	9	9
or 1/2 at each end	5 1/2	3 1/2	8 1/2	5 1/2	3 1/2	8	8
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8 1/2	3 1/2	3 1/2	8	8
at intermdt. Bkts.	24	—	24	—	—	—	—
of Frames from moulding edge to ling edge, all fore and aft	4	3 1/2	9 1/4	3 1/2	9	—	—
USED FRAME, Angles	—	—	—	—	—	—	—
FRAMING, depth of girder	—	—	—	—	—	—	—
IS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	—	—	—	—	—	—	—
Way of Engines and Boilers	—	—	—	—	—	—	—
thickness at the ends of vessel	—	—	—	—	—	—	—
Depth at 1/2 the half breadth, as per Rule	—	—	—	—	—	—	—
Height extended at the Bilges	40	—	7 1/2	40	—	7	7
IS & BRACKETS in Cell Dble Bottoms	24	—	24	—	—	—	—
Distance apart	40	—	10 1/2	40	—	10	10
IE GIRDER, in Double bottom, depth and thickness	4	4	9 1/4	4	4	9	9
Angles, Top	6 1/2	4	10 1/2	6 1/2	4	10	10
Bottom	One	—	7	One	—	7	7
GIRDERS, number on each side & thickness	3 1/2	3 1/2	7 1/2	3 1/2	3 1/2	7	7
Angles	30	—	9 1/2	30	—	9	9
IN PLATE, depth (exclusive of flange) and thickness	3 1/2	3 1/2	8 1/2	3 1/2	3 1/2	8	8
Angles to Outside Plating	57	—	9 1/2	36	—	9	9
BOTTOM PLATING, breadth and thickness of Middle Line Strake	—	—	9 1/2	—	—	9 1/2	9 1/2
in Engine and Boiler space	—	—	7 1/2	—	—	7	7
Remainder in Holds	10 1/2	—	10 1/2	—	—	10	10
S, Upper Deck, Single Angle, Bulb	3 1/2	3 1/2	8 1/2	3 1/2	3 1/2	8	8
Angle, Plate or Tee Bulb	48	—	48	—	—	—	—
Angles on upper edge	12	—	11 1/2	—	—	11	11
Average space	5 1/2	4	9 1/2	5 1/2	4	9	9
S, Middle Deck, Single Angle, Bulb	—	—	—	—	—	—	—
Angle, Plate or Tee Bulb	—	—	—	—	—	—	—
Angles on upper edge	—	—	—	—	—	—	—
Average space	—	—	—	—	—	—	—
S, Lower Deck, Single Angle, Bulb	—	—	—	—	—	—	—
Angle, Plate or Tee Bulb	—	—	—	—	—	—	—
Angles on upper edge	—	—	—	—	—	—	—
Average space	—	—	—	—	—	—	—
S, Hold, or Orlop, Plate or Tee Bulb	—	—	—	—	—	—	—
Angles on upper edge	—	—	—	—	—	—	—
Average space	—	—	—	—	—	—	—
S, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	—	7 1/2	—	—	7	7
Angles on upper edge	3	3	6	3	3	6	6
Average space	48	—	48	—	—	—	—
S, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	8 1/2	6	3	8	8
Angles on upper edge	—	—	—	—	—	—	—
Average space	24	—	24	—	—	—	—
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	—	8 1/2	—	—	8	8
Angles on upper edge	3	3	7	3	3	7	7
Average space	48	—	48	—	—	—	—
LLARS, In 'tween Deck, size and spacing	24	—	24	—	—	—	—
Hold	—	—	—	—	—	—	—
Quarter 'tween Dks.	—	—	—	—	—	—	—
in Hold	—	—	—	—	—	—	—
WEB-FRAMES, In Fore Body, No. and spacing	Thirteen Pairs	6 ft 6 in apart	Thirteen Pairs	6 ft 6 in apart	Thirteen Pairs	6 ft 6 in apart	Thirteen Pairs
brdth. & thickness	16	—	16	—	16	—	16
No. of Side Stringers	Two	16	Two	16	Two	16	Two
WEB-FRAMES, In E. & B. Space, No. & spacing	Four Pairs	8 ft 6 in apart	Four Pairs	8 ft 6 in apart	Four Pairs	8 ft 6 in apart	Four Pairs
brdth. & thickness	16	—	16	—	16	—	16
WEB-FRAMES, In After Body, No. and spacing	Two Pairs	6 ft 6 in apart	Two Pairs	6 ft 6 in apart	Two Pairs	6 ft 6 in apart	Two Pairs
brdth. & thickness	16	—	16	—	16	—	16
No. of Side Stringers	Two	16	Two	16	Two	16	Two
Size of Angles or Tee Bars to Web-Frames	4	3 1/2	9	4	3 1/2	9	4
BRACKET PLATES to Stringers between Web Frames, depth and thickness	—	—	—	—	—	—	—

PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.	
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.
FLAT PLATE KEEL	36	18	12	12	36	18	12	12	36	18	12	12	36	18	12	12	36	18	12
GARBOARD OR A STRAKE	48	18	12	12	48	18	12	12	48	18	12	12	48	18	12	12	48	18	12
B	65	11	9	12	65	11	9	12	65	11	9	12	65	11	9	12	65	11	9
C	59	12	10	14	59	12	10	14	59	12	10	14	59	12	10	14	59	12	10
D	57	13	10	14	57	13	10	14	57	13	10	14	57	13	10	14	57	13	10
E	57	13	10	14	57	13	10	14	57	13	10	14	57	13	10	14	57	13	10
F	54	11	9	11	54	11	9	11	54	11	9	11	54	11	9	11	54	11	9
G	60	12	9	9	60	12	9	9	60	12	9	9	60	12	9	9	60	12	9
H	62	11	9	9	62	11	9	9	62	11	9	9	62	11	9	9	62	11	9
J	44	13	10	10	44	13	10	10	44	13	10	10	44	13	10	10	44	13	10
K	55	10	—	—	55	10	—	—	55	10	—	—	55	10	—	—	55	10	—
L	29	11	—	—	29	11	—	—	29	11	—	—	29	11	—	—	29	11	—
M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
N	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
O	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
P	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Q	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
R	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
DOUBLING OF FLAT PLATE KEEL	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Length and thickness of Bilges	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Length and thickness of Sheerstrakes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Length and thickness of Strake below	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
POOP SIDES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
BRIDGE SIDES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FORECASTLE SIDES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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. *Simon's Patent Process.*

Steel Plates - Malleable & Cast-iron

Steel Angles - Sorman, Cast-iron & S.C.

Iron Plate - Angle - Iron & Malleable

Has the Steel been tested as required by the Rules? *Yes.*

FRAMES extend in one length from *Middle Line* to *Land Side* thence to *Gunwale*.

REVERSED FRAMES on floors and frames extend from *to Upper deck on every frame. To lower deck on a stern frame.*

MASTS, SPARS, &c.									
Material.		Total Length.	DIAMETER AND THICKNESS.		No. of Plates in round.		ANGLES.		RIVETING.
Fore	Main		At Partners	Head	Head	Head	Number.	Size.	Seams.
Fore	Steel	58' 4"	21 x 2 1/2	18 x 1 1/2	18 x 1 1/2	18 x 1 1/2	Two	—	Single
Main	Steel	58' 1 1/2"	21 x 2 1/2	18 x 1 1/2	18 x 1 1/2	18 x 1 1/2	Two	—	Single
Mizen	Steel	—	—	—	—	—	—	—	—

Bowsprit

Topmasts, Yards and Remainder of Spars *Pitchpine.*

Rigging, Material and Size, Shrouds *3 1/2 S.W.*

Sails. *One Complete* Suit of *Fore and aft* Sails, and the following spare sails *4" S.W.*

EQUIPMENT No. 32609 LETTER *u* *Old Table* ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	lbs.	Cwts.	lbs.	Tons.	cwts.	qrs.	lbs.			
5356	1st Bower	46	0	14	—	39	19	0	7	45	2	0
5345	2nd "	45	1	7	—	39	9	2	2	45	2	0
5283	3rd "	39	2	7	—	35	10	1	7	39	0	0
—	4th "	—	—	—	—	—	—	—	—	—	—	—
—	Collective weight	131	0	0	—	130	0	0	—	—	—	—
51911	Stream	11	1	16	2	3	12	13	7	2	0	0
51910	Kedge	5	2	14	1	1	25	7	18	1	2	0

Certificates of load Steel heads produced. (Certified by Meyer & Koch)

CHAIN CABLES.										HAWSEERS AND WARPS.									
Number of Certificate.		Fathoms.		Size.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms.		Size.		Description.		Makers of Cables.		When and where tested, and Superintendent.	
36447	270	1 1/2	9 1/2	6 1/2	516	3-16	511-1-14	270	1 1/2	Stud	Not Stated	Not Stated	Not Stated	Not Stated	Not Stated	Not Stated	Not Stated	Not Stated	Not Stated
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Boats *Two Lifeboats 22-0 Two Jolly Boats 16-0*

Pumps *One Fly Wheel Hand Pump, connecting diameter of Barrel 5"*

Windlass *Emerson Walker & Thompson (Steam) Capstan*

Engine Room Skylights—How constructed? *Steel plates and angles.*

What arrangements for deadlights in bad weather? *Flaps with Quadrants.*

Coal Bunker Openings—How constructed? *Plates & Angles* How are lids secured? *Hatch Bars* Height above deck? *15"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *4 on each side of the Hull, 2 on each side in way of Bridge. 3 on each side of the Hull 3-0*

Ceiling in Holds, thickness and material *2 1/2" W. W. double in way of Hatch. 2 on each side of the Hull 1-6*

Cargo Hatchways—How formed? *Steel plates and angles*

State size No. 1 Hatch (Forward) *24 x 16* No. 2 Hatch *24 x 16* No. 3 Hatch *24 x 16* No. 4 Hatch *24 x 16*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *2 Web plates and 3 Fore and afters to each hatch.*

Bulwarks, height above deck and description *4-0 Steel plate & Iron Stanchion* Main Rail, material and size *5 1/2 x 3 Bull Angle Steel*

The above is a correct description.

Builder's Signature (here only) *per pro. ROPNER & SON,*

Surveyor's Signature *Charles Henry C. 7. Ireland.*

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

24 + 26 February (h.) 25 April (E) + 5 May (m) 1904.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames and plates solid single pieces? *Yes.* 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 at butts only.*

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 steel screw steamer has been built in accordance with the approved plans of Midship section & Profile as amended, the Secretary's letters of the above mentioned dates bearing upon the case and in other respects as required by the Rules and Circulars for the Class contemplated.*

The workmanship is good throughout.

She has Bilge Keel formed of Bull plate 9 x 3/4 x 3/4 bar 6 x 4 1/2 x 1/2 fitted for a length of about one hundred and ten feet.

In accordance with the Owners wishes, the Rudder stoppers were not fitted on the Poop Deck in way of the Quadrant Litter, and the Owners litter is attached hents.

5 Plans and 1 Faying Report.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *28.91* ft., R.Q.D. or Break *—* ft., Bridge Dk. *166* ft., F'castle *35.16* 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) *1st (pt. in pt. stl). 2 tiers of B & M & D frames.*

Official No. *118496*; Signal Letters *—*

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 g'rders on floors *Cellular System*

Where fitted.	*Length.		Water Capacity.	Where fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	106	24.7	Fore peak tank,	—	—	—	—
Double bottom, under Engines and Boilers,	—	—	After peak tank,	16	9.1	—	—
Double bottom, if under Engines only,	22	6.2	Midship deep tank,	—	—	—	—
Double bottom, if under Boilers only,	—	—	Other tanks, if fitted,	—	—	—	—
Double bottom, forward,	140	35.4	(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. *642*

Date *10.3.04*

No. *409* in builder's yard.

DATES OF SURVEYS held while building

1904. March 22. 23. 24. 25. 26. 29. 30. 31. April 7. 8. 11. 12. 14. 15. 16. 19. 22. 25. 26. 29. 30. 31. May 2. 3. 4. 5. 6. 9. 10. 12. 16. 18. 20. 26. 29. 30. June 1. 2. 6. 7. 8. 9. 10. 13. 14. 15. 17. 20. 22. 24. 28. 30. July 1. 4. 5. 6. 7. 8. 11. 12. 14. 15. 18. 22. 23. 25. 28. Aug 2. 4. 9. 12. 23. 26. 28. 31. Sept 3. 13. 20. 22. 23. 28. 29.

Total No. of Visits *89*

The amount of Entry Fee *£ 5: 0: 0* Fees applied for, *20. 9. 1904*

Special Survey Fee *£ 98: 5: 6* Received by me, *RHD*

Travelling Expenses, if any *£ : : : 1. 10. 1904*

State whether the Vessel has been built under Special Survey *Yes.* *+ 100 A1*

I am of opinion this Vessel should be Classed *Without.*

With, or without Freeboard, as condition of Class *Without.*

Committee's Minute *FRI. 7 OCT 1904*

Character assigned *100 A1 (Stl)*

Lloyd's A+C + LMC 9.04

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