

1 or 2 Dks., R.Q.Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel.

Date of completion of Report

Date, First Survey

Port of

Last Survey

Rig

Master

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

No. 13468  
TUES. 7 OCT 1902

Survey held at

On the

TONNAGE under

Tonnage Deck ..

Do. of Poop

Do. of Raised Qr.

Do. of Break ..

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room ..

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room ..

TONNAGE FOR FEES ..

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam ..

LENGTH on Deck as

per Rule ..

Feet. Inches.

Feet. Inches.

BREADTH—

Moulded ..

Feet. Inches.

Feet. Inches.

DEPTH, ACTUAL—

Top of Floors to top of Main

Deck Beams ..

Feet. Inches.

Feet. Inches.

No. of Decks with Flat laid

No. of Tiers of Beams

Dimensions of Ship per Register, Length,

breadth,

depth,

Moulded Depth,

Round of Beam, Actual

ins.

## FRAMING.

FRAME, Angles,  $\frac{1}{2}$  E or L Bars, for  $\frac{1}{2}$  length

amidships ..

Do. for  $\frac{1}{2}$  at each end ..

Do. in way of Double Bottoms at Solid Floors ..

Do. at intermdt. Bkts.

Spacing of Frames from centre to centre ..

REVERSED FRAME, Angles ..

DEEP FRAMING, depth of girder

LOOKS, depth and thickness of Floor Plate

at mid-line for  $\frac{1}{2}$  length amidships ..

in way of Engines and Boilers ..

thickness at the ends of vessel ..

depth at  $\frac{1}{2}$  the half breadth, as per Rule ..

height extended at the Bilges ..

LOOKS & BRACKETS, in Coll. Dble Bottoms

state if flanged (top & bottom)

Spacing ..

ENTRE GIRDER, in Double Bottom, depth

and thickness ..

Angles, Top ..

Bottom ..

IDE GIRDERS, number on each side & thickness

state if flanged (top & bottom)

Angles ..

MARGIN PLATE, depth (exclusive of flange)

and thickness ..

Angles to Outside Plating ..

Floors ..

Height of Floors at the Bilges ..

NER BOTTOM PLATING, breadth and

thickness of Middle Line Strake

thickness in Engine and Boiler space

Remainder in Holds

AMS, Main and Raised Quarter Deck,

Single Angle, Bulb Angle, Plate or Tee Bulb

Angles on Upper Edge ..

Spacing ..

AMS, Lower Deck, Single Angle, Bulb

Angle, Plate or Tee Bulb ..

Angles on Upper Edge ..

Spacing ..

AMS, Hold, Plate or Tee Bulb

Angles on Upper Edge ..

Spacing ..

AMS, Poop Deck, Angle, Bulb Angle, Plate

or Tee Bulb ..

Angles on Upper Edge ..

Spacing ..

AMS, Bridge or Pt. Awng. Deck, Angle,

Bulb Angle Plate, or Tee Bulb ..

Angles on Upper Edge ..

Spacing ..

AMS, Forecastle Deck, Angle, Bulb Angle,

Plate or Tee Bulb ..

Angles on Upper Edge ..

Spacing ..

LARS, In 'tween Decks, Size and Spacing

Hold

Quarter, 'tween Dks.,

in Hold

FRAMES, In Fore Body, No. and Spacing

Brdth. & Thickness

No. of Side Stringers

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

Brdth. & Thickness

WEB FRAMES, In After Body, No. and Spacing

Brdth. & Thickness

No. of Side Stringers

Size of Angles or Tee Bars to Web Frames

BRACKET PLATES to Stringers between

Web Frames, Depth and Thickness

ONE OR TWO DECKED VESSEL.

CLASS F 100 A.1.

FEET.

Half Breadth (moulded) ..

Depth from upper part of Keel to top of Main Deck Bms.

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) ..

1st Number ..

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

stern post ..

2nd Number ..

Proportions—Breadths to Length ..

Depths to Length—Main Deck to top of Keel ..

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock

Feet. Inches.

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Feet. Inches.

## FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates depth and thickness

STEM, moulding and thickness ..

STERN-POST for Rudder do. do. ..

for Propeller ..

MAIN PIECE of Rudder, diameter at head ..

do. at heel ..

RUDDER, how constructed

Can the Rudder be unshipped afloat?

## KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above

floor, Through Plate, or Intercoastal Plate

Bulb Plate ..

Bulb Plate to Intercoastal Keelson ..

Horizontal Plates on Floors ..

Angles ..

SIDE KEELSON, Angle ..

Bulb or Plate above floors for

Ing. ..

Intercoastal Plate for

FULL length

Attached to outside plating with

Angle ..

BILGE KEELSON, Angle ..

Bulb or Plate above floors for

Ing. ..

Intercoastal Plate for

FULL length

Attached to outside plating with

Angle ..

BILGE STRINGER Angles ..

Bulb Plate for

length

Intercoastal Plate for

length

Attached to outside plating with

Angle ..

SIDE STRINGER Angles ..

Bulb or Intercoastal Plate for

Ing. ..

Attached to outside plating with

Angle ..

Main and Raised Quarter Deck Stringer

Plate, breadth and thickness ..

Angle on ditto ..

Tie Plates, outside Hatchways ..

Diagonal Tie Plates on Bms., No. of Pairs

Main Dk. Iron or Steel for

FULL Ing.

R. Q. Dk. Iron or Steel for

FULL Ing.

Wood Deck, Material & thickness

Lower Deck Stringer Plate, breadth and

thickness ..

Angles on ditto, No. ..

Tie Plates, outside Hatchways ..

Deck Material and thickness

Hold Stringer Plate

Angles on ditto, No. ..

Poop Deck Stringer Plate, breadth & thickness

Angle on ditto ..

Tie Plates ..

Deck, Material and thickness

Bridge or Pt. Awng. Deck Stringer Plate,

breadth and thickness ..

Angle on ditto ..

Tie Plates ..

Deck, Material and thickness

Forecastle Deck Stringer Plate, brdth & thcknss

Angle on ditto ..

Tie Plates ..

Deck, Material and thickness

\* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

## BULKHEADS.

In Vessel.

Per Rule.

Thickness.

Horizontal.

Size.

Spacing.

Vertical.

Size.

Spacing.

Single or Double

Frames.

Height up.

W.T. BULKHEADS

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length?

Are the Sluice Valves and Watertight Doors in efficient working order?



**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		RIVETING.		BUTTS.		IF LAPPED.
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	AMIDSHIP.	Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what Length.	RIVETS.	STRAPE.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
Flat Plate Keel (If Bar Keel, state Riveting)	30	8	6	6	30	8	Double	3 1/2	5/8	2 1/4	Double	5/8	2 1/4
GARBOARD OR A Strake	30	4	4	4	30	4	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
B "	45 1/2	6	6	6	45 1/2	6	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
C "	44 1/2	6	6	6	44 1/2	6	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
D "	41 1/2	6	6	6	41 1/2	6	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
E "	35 1/2	6	6	6	35 1/2	6	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
Sheerstrake	30 1/2	4	6	6	30 1/2	4	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
G "													
H "													
I "													
J "													
K "													
L "													
M "													
N "													
O "													
DOUBLING of Flat Plate Keel													
Length of Bilges													
Length of Sheerstrakes													
Length of Strake below													
POOP SIDES	31	6	6	6	31	6	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
RAISED QUARTER DECK SIDES													
FORECASTLE SIDES	29 1/2	5	5	5	29 1/2	5	Single	2 1/4	5/8	2 1/4	Double	5/8	2 1/4
LENGTHS OF PLATING	14 1/2				14 1/2								

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, outside Plating, &c. *Sumner Iron Works Ltd.*

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

**FRAMES** extend in one length from *Centre Line* to *Gunwale* state if ordinary or joggled *Ordinary*

**REVERSED FRAMES** on floors and frames extend from *Centre Line* to *Gunwale* state if ordinary or joggled *Ordinary*

*alternately double in 8 ft. spaces.*

**MASTS, SPARS, &c.**

LOWER MASTS.	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hoists.	Head.		Number.	Size.	Seams.	Butts.
Fore	PP	60' 3"	14"	12"	10"	6"					
Main		34' 0"	8 1/2"	at deck	5 1/2"						
Mizen											

**Topmasts, Yards and Remainder of Spars**

**Rigging, Material and Size, Shrouds** *2 1/2" on gale steel wire* Stays *2 1/2" on gale steel wire*

**Sails** *One* Suit of *Sails and the following spars*

Equipment No. *4322* Letter *B*

**ANCHORS.** Tonnage U.D.K. or Plating No. for Trawlers

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.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
2244	1st Bower	6	3	7	Shackles	9	2	0	5	1	0	Shackles, Patent
1445	2nd "	5	0	0		4	4	0	5	1	0	"
	3rd "											
	Collective weight	11	3	7					10	2	0	
	Stream	1	2	7	Swivel weight	1	1	0	Common	Patent	80°	
	Kedge	0	2	14		0	2	0				

*Drop and mechanical stop made at Newcastle-on-Tyne 18th Feb 1902*

**CHAIN CABLES.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.
			Supplied.	Per Table 22.								
2426	120	3 1/2	22	35	120	3 1/2	Stud by Patent 180°	Sept 20/92	Patent	MANILA	75	6
	45	2	4		45	2	1.11 White Cross	29/9/02			90	4

**HAWSERS AND WARPS.**

Number of Certificate.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 22.	
				Length.
	75	6	75	6
	90	4	90	4

**Boats** *Two*

**Pumps, Number** *One* Diameter of Barrel *4"* State whether they are in efficient working order *Yes*

**Windlass** *Hand by 1/2" Dia* Capstan *Hand* *Steam Winch*

**Engine Room Skylights.**—How constructed? *Shut on high casing*

What arrangements for deadlights in bad weather? *Shutters and Prisms rep. lights.*

**Coal Bunker Openings.**—How constructed? *Steel plate & angles* How are lids secured *Impellers & Prisms* Height above deck? *31"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Three scuppers on each side, three ports on each side 2' 9" x 1' 6"*

**Ceiling in Holds,** thickness and material *8" W.P.*

**Cargo Hatchways.**—How formed? *Steel plate and angles* *Brass 1/2" x 3/4"* Hatches.—If strong and efficient? *22" solid*

State size No. 1 Hatch (Forward) *27' 9" x 11' 0" x 23 1/2* No. 2 Hatch *5' 5 1/2" x 8' 1/2" x 31"* No. 3 Hatch *5' 5 1/2" x 8' 1/2" x 31"* No. 4 Hatch *5' 5 1/2" x 8' 1/2" x 31"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *Two Webs and three wood fore & afters to large hatch, one middle to small hatch forward*

No. of Breasthooks *Two* No. of Crutches *Two*

**Bulwarks,** height above deck and description *36' x 36' 1/2" x 36' 1/2" x 36' 1/2"* Main Rail and Stays, material and size *Angle 4" x 2 1/2" x 1/2" x 36' 1/2"*

The above is a correct description.

Builder's Signature *Geo Brown & Co* Surveyor's Signature *James Lewis*

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 the case)

*M. H. 4th March 1902. 16th & 24th September 1902.*

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

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 facing surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *Yes 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 *good*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *good*

**General Remarks** (State quality of workmanship, &c.) *The vessel has been built in accordance with the Rules and the approved plans which are forwarded herewith. The materials and workmanship are of good quality. Iron plates are embedded in the cement under the sounding pipes. The keel has been sighted and found to be cambered 7/8". Two forging reports are attached hereto.*

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

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *✓* ft., R.Q.D. or Break *38' 3 1/2"*, Bridge Dk. *✓* ft., F'castle *13' 8"*. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *1 D.K.*

Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Paint and cement* 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.	Feet.	Tons.
Double bottom, aft,			Fore peak tank,		
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		
Double bottom, forward,			Other tanks, if fitted,		

(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. *256*

Date *6th March 1902*

No. *10* in builder's yard

Days of Surveys held while building *1902. April 21. 25. 28. May 6. 7. 13. 15. 19. 23. 28. June 3. 9. 11. 17. 18. 23. July 18. 23. 25. 28. 29. 31. Augt 5. 7. 12. 13. 19. 21. 28. Sep 9. 12. 23. 24.*

Total No. of Visits *33*

The amount of Entry Fee *£ 1* : : : Fees applied for, *26. 9. 1902*

Special *£ 7* : 15 : : Received by me, *Shut*

Travelling Expenses, if any *£* : : : *29. 9. 1902*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *H 100. A. 1. STEEL.*

Without Freeboard, as condition of Class

Committee's Minute *Glasgow. 6 - OCT. 1902*

Character assigned *H 100 A 1 (Steel) Dlogh & C.P.*

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