DECLASSED SECTION. 136

~~With or~~ Without

~~Disconnected~~ Erections.

STEEL STEAMER.

No. .....

Received at London Office .....

Engines & Boilers under inspection 1 B.S. Certificate issued No. .....

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

Date of completion of report 5th November 1918 — Port of NEWCASTLE-ON-TYNE — No. 1392

Survey held at South Shields — Date, First Survey 15th Oct. 1917. — Last Survey 30th October 1918

On the (State if Single, Twin, or Triple Screw) twin screw steamer "STOKE" — Rig Fore and aft

CLASS "A1 for Govt. Service"

		FEET.
Breadth (greatest moulded)		28·5
Depth, at middle of length from top of keel to top of upper deck beams at side		16·25
Transverse Number		44·75
Length on deck from fore part of stem to after part of stern post		220
Longitudinal Number		9845
Depth "d," at middle of length (See Secs. 2 & 13)		14·0
Proportions—Depths to Length—Upper Deck Beam at side to top of keel		13·53
" " Long Bridge Deck Beam at side to top of keel		

TONNAGE under Tonnage Deck	
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	699·62
Do. of Poop	
Do. of R.Q.Dk.	
Do. of Bridge House	
Do. of Forecastle	
Do. of Houses on Dk.	76·45
Do. of excess of Hatchways	
Do. above Crown of Engine Room	20·11
Gross Tonnage	796·18
Less Crew Space	
Less above Crown of Engine Room	20·11
TONNAGE FOR FEES	776·07
Less Engine Room	437·90
Less Navigation Spaces	
Register Tonnage as cut on Beam	358·28

Master H. S. Budicott

Year of appointment (1) As Master in service of owner of present vessel:—191 (2) As Master of this vessel 1918

Built at South Shields

When built 1918 — Launched 8th July 1918.

By whom built C. Rennoldson & Co

Owners The Admiralty

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

Residence London

Port belonging to ✓

Destined Voyage — If Surveyed while Building Afloat, ~~or in Dry Dock~~ Yes

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
LENGTH on Deck as per Rule	220	0	**BREADTH**—Moulded	28	6	**DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams	15	7	No. of Decks with flat laid: Two
						Do. do. do. do. Second Dk. Beams	–	–	No. of Tiers of Beams: Two

Moulded depth, ft. ✓ ins. ✓ To Bridge Dk. — Round of Upper Dk. Beam, Actual 7 ins.

Dimensions of Ship per Register, Length 219·6 breadth 28·6 depth 15·65 — Moulded depth, ft. 16 ins. 3 To Upper Dk.

FRAMING.

	Inches in Ship	Inches in Ship	~~Inches~~ in Ship. LBS	Inches per Rule Or as	Inches per Rule Approved	~~Inches~~ per Rule LBS
FRAME, ~~Angles, or E or~~ L Bars amidships	5	2½	10	5	2½	10
Do. in peaks ... angles	4	2½	5·8	4	2½	5·8
Do. in way of Double Bottoms at Solid Floors	2½	2½	4	2½	2½	4
" " at intermdt. Bkts.						
Spacing of Frames from centre to centre amidships		24			24	
" " " " from ¾ length to Collision bulkhead		24			24	
" " " " in peaks		24			24	
REVERSED FRAME, Angles ~~on floors only~~	2½	2½	4	2½	2½	4
Do. in way of Double Bottoms at Solid Floors	2½	2½	4	2½	2½	4
" " at intermdt. Bkts.						
FRAMING, depth of girder	bulb angle = 5"					
FLOORS, depth and thickness of Floor Plate at mid-line for ¾ length amidships		15	8		15	8
" in way of Engine and Boiler Spaces			12			12
" thickness at the ends of vessel			8			8
" depth at ¾ the half breadth, as per Rule	Straight across top					
" height extended at the Bilges						
FLOORS in **Cell. Double Bottoms**		33	10		33	10
" state if flanged (top & bottom) ... no						
" Spacing of Solid floors		24			24	
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.		33	12		33	12
" " Angles, Top ... ~~double~~	3	3	4·9	3	3	4·9
" " " Bottom ... ~~double~~	3	3	7·6	3	3	7·6
" " " to Floors	2½	2½	4·8	2½	2½	4·8
" Brackets at intermdt. frmg., wdth & thknss						
SIDE GIRDERS, number on each side & thickness	One		10	One		10
" " state if flanged (top and bottom)					no	
" " Angles (top and bottom)	2½	2½	4	2½	2½	4
" " " to Floors	2½	2½	4	2½	2½	4
MARGIN PLATE, depth (exclusive of flange) and thickness			10			10
" " Angle to Outside Plating	straight out to ship's side with 3½" flange to shell					
" " " Floors						
" Brackets at intermdt. frmg., wdth & thknss						
" Height of Outside Brackets above at bilge						
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**		60	10		60	10
" " " in Engine and Boiler space						
" " " Remainder in Holds			10			10
BEAMS, Upper Deck, Single Angle, ~~Bulb, Angle, Plate, Tee Bulb, or Channel~~	4	2½	6·8	4	2½	6·8
" In way of Long Bridge						
" Spacing		24			24	
BEAMS, Second Deck, Single Angle, ~~Bulb, Angle, Plate, Tee Bulb, or Channel~~	4	2½	6·8	4	2½	6·8
" Spacing		24			24	
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS In 'tween Deck, size and spacing	2½	48	2½	48
" " **Hold** " "	3	48	3	48
" **Quarter 'tween Dks.,** " "				
" " **in Hold** " "		LBS		LBS

KEELSONS & STRINGERS.

	Inches in Ship	Inches in Ship	~~Inches~~ in Ship.	Inches per Rule Or as	Inches per Rule Approved.	~~Inches~~ per Rule
CENTRE LINE KEELSON, ~~Vertical Plate above floors,~~ Through Plate, ~~or Intercostal Plate~~		18	12		18	12
" Rider Plate ~~on (or) side centre line~~		12	10		12	10
" Flat Plate Keel Angles	3	3	7·6	3	3	7·6
" Horizontal Plates on Floors .. see above						
" Angles ~~or Bulb Angles~~	3	3	7·6	3	3	7·6
SIDE KEELSONS, Number One						
" Angles ~~or Bulb Angles~~ Single	4	2½	6·8	4	2½	6·8
" Plate above floors, for length						
" Intercostal Plate, for full length			10			10
" Attached to outside Plating ~~with angle~~	PLATE FLANGED.					
BILGE KEELSON, Angles						
" Intercostal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGERS, Number One						
" " Angle	4	2½	6·8	4	2½	6·8
" Intercostal Plate, for FORE END length			10			10
" Attached to outside plating with ~~Angle~~	PLATE FLANGED.					

Upper Deck Stringer Plate, br'dth & thickness (~~clear of Bridge~~)	65	18		48	15
" " " " br'dth & thickness (in way of Bridge)	3 × 3 ×	7·6		3 × 3 ×	7·6
" " " Angle (~~clear of Bridge~~)					
" " Tie Plate at sides of Hatchways					
" Deck.* ~~Iron or~~ Steel, for full lng.		10			10
" " Thickness (~~clear of Bridge~~)					
" " " (in way of Bridge)					
" Wood Deck. Material & thickness					
Second Deck Stringer Plate, br'dth & thickness	48	12		48	12
" Angles on ditto, No. One	3 × 3 ×	4·9		3 × 3 ×	4·9
" Tie Plates outside Hatchways					
" Deck.* ~~Iron or~~ Steel, for full lng.		8			8
" Wood Deck. Material & thickness					
Third Deck Stringer Plate, br'dth & thickness					
" Angles on ditto, No.					
" Tie Plates, outside Hatchways					
" Deck.* Material and thickness					
Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" " " Angles on ditto, No.					
" " " Tie Plates outside Hatchways					
" " Deck. Material & thickness					
Poop Deck Stringer Plate, breadth & thickness					
" Angle on ditto					
" Tie Plates					
" Deck. Material and thickness					
Bridge Deck Stringer Plate, br'dth & thickness					
" Angle on ditto					
" Tie Plates					
" Deck. Material and thickness					
Forecastle Deck Stringer Plate, b'dth & th'kns					
" 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.

Form No. 1A.—1m,11,16. T.

WEB FRAMES.

	Inches in Ship.	~~Lbs~~ in Ship.	Inches per Rule. Or as Approved.	~~Lbs~~ per Rule.
WEB-FRAMES, In Fore Body, No. and spacing	One as per profile			
,, ,, ,, brdth. & thickness	12	12	12	12
,, No of Side Stringers ,, ,,				
WEB-FRAMES, In E. & B. Space, No. & spacing	3 as per profile			
,, ,, ,, brdth. & thickness	12	12	12	12
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**	3×3×	4·9	3×3×	4·9
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS or CASTINGS.

	Inches in Ship	Inches per Rule, Or as Approved.
KEEL, Bar, depth and thickness	Flat plate keel.	
STEM, moulding and thickness	6×2	6×2
STERN-POST for Rudder do. do.	Cast and annealed	
,, for Propeller	Special section	
RUDDER—A×D* Table 22. Speed 16 knots	A×D =	158
,, **Main-Piece,** diameter at head	8	8
,, ,, ,, at heel	6	6

RUDDER, how constructed: Forged & built

,, Thickness of ~~Plates on~~ Single Plate: 30 lbs.

Can the Rudder be unshipped afloat? Yes.

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.? Consett, Palmers' South Durham, Dorman Long, Cargo Fleet.

Open hearth process

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

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. ~~Lbs~~	Stiffeners. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. ~~Lbs~~ Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck
W.T. BULKHEADS	9	4							
" **Boiler Room** "			10-7			5×2½×10	24	Single	U.D.[x]
" **Engine** " "			10-7	Lower D.[x]		4×2½×63	30	"	"
" **Aft Peak** "			10-8	—do—		3×2½×446	24	"	"
,, **Collision** ,,			12-8	—do—		5×3×7·85	27	"	"
Partition ,,									
Longitudinal ,,			10-7			4×2½×5·53 / 3×2½×446	24	"	"

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

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

PLATING.

Strakes.	As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. ~~Lbs~~	Forward. Thickness. ~~Lbs~~	Aft. Thickness. ~~Lbs~~	Per Rule or as Approved. Amidship. Breadth. Inches.	Amidship. Thickness. ~~Lbs~~
Flat Plate Keel (If Bar Keel, state Riveting.)	36	17	12	12	36	17
Garboard or A Strake		12	10	10		12
State actual thickness in way of Double Bottom. B ,,		12	10	10		12
C ,,		12	10	10		12
D ,,		12	10	10		12
E ,,		12	10	10		12
F ,,		12	10	10		12
Sheer G ,,	48	15	10	10	48	15
H ,,						
J ,,						
K ,,						
L ,,						
M ,,						
N ,,						
O ,,						
P ,,						
Q ,,						
R ,,						
S ,,						
T ,,						
U ,,						
V ,,						
W ,,						
Th'kness of Sh'strke / Clear of Long Bridge						
Do. of Strake below						
Dblg. of Flat Plate Keel						
,, Sheerstrakes (Length and thickness.)						
Poop Sides						
Short Bridge Sides						
Forecastle Sides						

(Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter.)

RIVETING.

Strakes.	Edges. Ordinary or Joggled? Ordinary. Single or Double.	Breadth of Lap. Inches.	Rivets. Diam. Inches.	Rivets. Spacing, or to or. Inches.	Butts. Double or Treble and for what Length.	Rivets. Diam. Inches.	Rivets. Spacing, or to or. Inches.	Straps. Breadth. Inches.	Straps. Thickness. ~~Lbs~~	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
Flat Plate Keel	Single	2½	¾	3⅜	T. & Promenade deck	¾	3⅜-2¼	14¼	20		
Garboard or A Strake	"	2¼	5/8	2¾	frames 24 & 88	5/8	2⅞-1⅞			6¼	full
B ,,	"	"	"	"	"	"	"			"	"
C ,,	"	"	"	"	"	"	"			"	"
D ,,	"	"	"	"	"	"	"			"	"
E ,,	"	"	"	"	"	"	"			"	"
F ,,	"	"	"	"	"	"	"			"	"
Sheer G ,,	"	2½	¾	3⅜	"	¾	3⅜-2¼			7½	"

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate — **Butts,** treble riveted for half length amidship. ~~**Straps,** single, double or~~ overlapped for full length ~~amidship.~~

Second Deck Stringer Plate — **Butts,** double riveted for half length amidship. ~~**Straps,** single or~~ overlapped for full length ~~amidship.~~

Butts of Side Stringers ✓ riveted.

,, **Tie Plates** ✓ riveted.

Inner Bottom Plating, riveting of **Edges** ✓ **Butts** ✓

Centre Girder Butts, double riveted. **Keelson Butts,** ✓ riveted.

Frames, riveted through Plates with 5/8 in. Rivets, about 4⅜ apart.

Rivets, state whether Iron or Steel: Iron

FRAMES extend in one length from centre line to longitudinal Bh[d] thence to deck State if ordinary or joggled: joggled.

REVERSED FRAMES on floors ~~and frames extend from~~ only. State if ordinary or joggled: joggled.

MASTS, SPARS, &c.

		Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts	Fore	P.P.	56'-0"		13"		Polemast					
	Main	P.P.	48'-7"		13"		Polemast					
	Mizen											
Bowsprit												

~~Topmasts, Yards and~~ Remainder of **Spars** Pitch Pine

Rigging, Material and Size, **Shrouds** Galvanized wire 2½" **Stays** 2" and 1½"

Sails. One staysail & one trysail Suit of ✓ Sails, and the following spare sails ✓

Form No. 1A.

EQUIPMENT No. LETTER . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS

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 ~~on Trial~~. Cwts.	qrs.	lbs.	Description of Anchor	Makers.	Where and when tested and Superintendent.
79013	1st Bower	14	3	21	-	-	-	16	10	0	0	15	0	0	Hall's stockless	Hingleytons Ld	N. 6/2/18 H. Green
79014	2nd ,,	14	3	21	-	-	-	16	10	0	0	15	0	0	" "	"	" " " "
	3rd ,,																
	4th ,,																
	Collective weight.	29	3	14								30	0	0			
	Stream																
3355	Kedge	2	0	2	0	1	25	4	10	0	0	2	0	0	Admiralty pattern	Steel Co. of Scotland Ld	29/1/18 C. St. J. Bell

(Patent state Name of Patentee. If Stockless state Mechanical Trade.)

Particulars of **Drop Test** of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 9 cwts 1 qr 4 lbs (Admiralty Overseer C. H. Flocken) No 44 12/1/18 Tensile, drop & bend tests satisfactory

2nd ,, 9 " 1 " 12 " " " No 46 " " " " " "

3rd ,,

4th ,,

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts qrs. lbs.	Per Rule. Cwts. qrs. lbs.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
25187	150	1¼	28⅛	42⅛	127-2-0	120-0-0	210	1¼	Stud link	—	C.H. 22/5/18 S.C. Paul
65559	60	1¼ Cir.	"	"	50-2-22	48-0-0		Cir.	" "	Beatyford Thos	N. 28/5/18 H. Green
Iron Stream Chain or Steel Wire											

HAWSERS AND WARPS.

Material	Length and Size supplied. Length. Fathoms.	Diam. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.
Towline	150	2	steel wire	150	2
Hawsers & Warps	60	2½	" "		
" "					
" "					

Boats Two gigs and one dinghy **Steering Gear, Steam** (Caldwell Ho[s]) & ~~**Steering Gear**~~ **Hand** combined

Pumps, Number One Downton Diameter of Barrel 5" State whether they are in efficient working order Yes

Windlass is Emmerson & Walker steam & hand combined **Capstan** ✓

Engine Room Skylights.—How constructed? steel plates What arrangements for deadlights in bad weather? Bullseyes, steel flaps.

Coal Bunker Openings.—How constructed? Cast iron scuttles How are lids secured? locked Height above deck? flush

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** Open rail

Ceiling in Holds, thickness and material ✓ **Cargo Battens,** thickness and material ✓

Cargo Hatchways.—How formed? ✓ **Hatches,** If strong and efficient? ✓

State size **No. 1 Hatch** (Forward) ✓ **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch ✓

No. of Breasthooks One deep floor **No. of Crutches** deep floors

Bulwarks, height above deck and description 3'-0" steel plate at fore end only. Main Rail, material and size 2½"×2½" angle with convex bar

The foregoing is a correct description.

Builder's Signature (here only) Charles Rennoldson & Co. *Surveyor's Signature* J. Macdonald. *Surveyor to Lloyd's Register of Shipping.*

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) M 24/5/17, 27/7/17.

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

Is the riveted work properly closed? Yes.

Are the liners between the frames and plates solid single pieces? Joggled framing 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 the plating? Very few.

Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? Yes

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests satisfactory

General Remarks (State quality of workmanship, &c.) This vessel has been constructed in accordance with the approved plans, the Secretary's letters and in other respects in compliance with the requirements of the Rules. The materials and workmanship are good. The tunnel and bulkheads have been tested and found to be satisfactory.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £0 .. £ : : Fees applied for, 25/11/1918

Special Survey Fee .... £125 : 8 : 0 Received by me, 13/7/1919 RBN 4/1/19

Travelling Expenses, if any £ : :

Certificate to be sent to NEWCASTLE-ON-TYNE **Date of issue** 15/4/18

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed A1 for Government Service Lloyd's A+C.P.

~~With, or~~ without Freeboard, as condition of Class Yes.

J. Macdonald. *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute FRI. 15 NOV. 1918

Character assigned A1 for Government Service. Lloyd's A+C.P.

L.M.C. 11.18

The Surveyors are requested not to write on or below the Committee's Minute.

0072 2/2

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ (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 should appear in the Register Book*) 2 Dks (Stl)

Official No. ; Signal Letters . State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside Cement & 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capa 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,	10	28½
Double bottom, if under Boilers only,			Deep tank, forward,	8	12
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom		(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. 4726

Date 10.11.1917.

No. 199 in builder's yard.

Dates of Surveys held while building: 1917 Oct. 15. 23. 31. Nov. 14. 23. 29. Dec 5. 13. 19. 28 1918 Jany 14. 21. 30. Feby 11. 8. 12 19. 20. 21 28 Mar 4. 14. 21. 26. 27. Apl 3. 8. 9. 13. 15. 1 29. 30 May 8. 16. 23. 29 Jun 3. 5. 6. 10. 12. 20. July 2. 8. 15. 23 Aug 7. 12. 20 28 Sept 3. 4. 11 18. 21. Oct. 1. 2. 3. 7. 10. 15. 17. 2 23. 28. 29. 30.

Total No. of Visits 71.

Surveyor's Signature J. MacDonald.