

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

IRON OR STEEL STEAMER

No. 1215

State if Report is also sent on the Machinery of the Vessel *See books only.* Received at London Office *9 MAY 1905*
Date of completion of Report *8th May 1905* Port of *Barrow-in-Furness*
Date, First Survey *28th May 1903* Last Survey *6th May 1905*
Rig *3 masted schooner fore & aft rig*

Survey held at *Workington*
On the *Steamer "STOCK FORCE"*

TONNAGE under
Tonnage Deck... *374.60*
Do. of Poop
Do. of Raised Qr. *92.70*
Do. of Break... *15.27*
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room... *29.09*
Gross Tonnage *538.48*
Less Crew Space
Less above Crown of
Engine Room... *29.09*
TONNAGE FOR FEES... *469.27*
Engine Room
Navigation Spaces
Tonnage
in Beam... *194.61*

ONE ~~DECKED~~ DECKED VESSEL.

CLASS *100 A1*

Half Breadth (moulded) *13.25*
Depth from upper part of Keel to top of Main Deck Bms. *13.7*
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) *24.8*
1st Number *51.75*
Length on deck from after part of stem to fore part of stern post *163.75*
2nd Number *84.74*
Proportions Breadths to Length *6.1*

Depths to Length—Main Deck to top of Keel... *11.95*

Destined Voyage *Cracking*

Master *not appointed.*

Year of appointment

Built at *Workington.*

When built *1905* Launched *2nd May 1905*

By whom built *P. Williamson & Son.*

Owners *West Coast Shipping Co. Ltd.*

Managers *W. S. Kennan & Co.*

Residence *30 Chapel St Liverpool*

Port belonging to *Whitehaven.*

If Surveyed while Building, Afloat, or in Dry Dock *Building & Afloat.*

Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Feet. Inches. No. of Decks with Flat laid *One*
Moulded *26* *6* Top of Floors to top of Main Deck Beams *12* *6* No. of Tiers of Beams *One*
ns of Ship per Register, Length, *164.5* breadth, *26.7* depth, *10.85* Moulded Depth, *13* ft. *2* ins. Round of Beam, Actual *14* ins.

FRAMING. Inches in Ship. Inches in Ship. 20ths in Ship. Inches per Rule per Rule per Rule Or as Approved. 20ths in Ship. Inches per Rule per Rule per Rule Or as Approved. 20ths in Ship. Inches per Rule per Rule per Rule Or as Approved. 20ths in Ship. Inches per Rule per Rule per Rule Or as Approved.

Angles, *1/4* for $\frac{1}{2}$ length amidships *3* *3* *6* *3* *3* *6*
at each end *3* *3* *5* *3* *3* *5*
way of Double Bottoms at Solid Floors...
at intermdt. Bkts.
of Frames from centre to centre *22* *22* *5* *22* *22* *5*

SED FRAME, Angles *22* *22* *5* *22* *22* *5*
FRAMING, depth of girder *14* *2* *6* *14* *2* *6*
S, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships *14* *2* *6* *14* *2* *6*
way of Engines and Boilers *14* *2* *6* *14* *2* *6*
thickness at the ends of vessel *14* *2* *6* *14* *2* *6*
depth at $\frac{1}{2}$ the half breadth, as per Rule *12* *33* *Bracket* *33* *Bracket*
eight extended at the Bilges *33* *Bracket* *33* *Bracket*

S & BRACKETS, in Cell Bld. Bottoms *33* *Bracket* *33* *Bracket*
state if flanged (top & bottom)
" *33* *Bracket* *33* *Bracket*

E GIRDER, in Double Bottom, depth and thickness *16* *8.7* *16* *8.7*
Angles, Top *32* *3* *6* *32* *3* *6*
Bottom *32* *3* *6* *32* *3* *6*

GIRDERS, number on each side & thickness *Two* *6* *Two* *6*
state if flanged (top & bottom)
Angles *22* *22* *5* *22* *22* *5*

IN PLATE, depth (exclusive of flange) and thickness *27* *6* *27* *6*
Angles to Outside Plating *3* *3* *7* *3* *3* *7*
Floors *3* *3* *6* *3* *3* *6*

Height of Floors at the Bilges *33* *33*
BOTTOM PLATING, breadth and thickness of Middle Line Strake *Plated* *Thwarts*
thickness in Engine and Boiler space *13/40* *6/20*
Remainder in Holds *5* *3* *6* *5* *3* *6*

Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb *5* *3* *6* *5* *3* *6*
Angles on Upper Edge *21* *21*
Spacing *5* *3* *6* *5* *3* *6*

Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb *5* *3* *6* *5* *3* *6*
Angles on Upper Edge *21* *21*
Spacing *5* *3* *6* *5* *3* *6*

Hold, Plate or Tee Bulb *5* *3* *6* *5* *3* *6*
Angles on Upper Edge *21* *21*
Spacing *5* *3* *6* *5* *3* *6*

Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb *5* *3* *6* *5* *3* *6*
Angles on Upper Edge *21* *21*
Spacing *5* *3* *6* *5* *3* *6*

Bridge or Pt. Awnng. Deck, Angle, Bulb Angle, Plate or Tee Bulb *5* *3* *6* *5* *3* *6*
Angles on Upper Edge *21* *21*
Spacing *5* *3* *6* *5* *3* *6*

Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb *4* *2 1/2* *5* *4* *2 1/2* *5*
Angles on Upper Edge *21* *21*
Spacing *21* *21*

RS, In 'tween Decks, Size and Spacing *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
Hold *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
Quarter, 'tween Dks. *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
in Hold *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*

BRACKETS, in Fore Body, No. and Spacing *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
No. of Side Stringers *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
WEB FRAMES, In E. & B. Space, No. and Spacing *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
Brth. & Thickness *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*

WEB FRAMES, In After Body, No. and Spacing *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
Brth. & Thickness *2 7/8 x 3 sp 42* *2 7/8 x 3 sp 42*
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PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES. Ordinary or as approved?				BUTTS.							
		AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		Single or Double.	Breathd of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.			Spacing cr. to cr.	Diam.		Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
Inches.	¹⁰ / ₁₆ inches 20ths.	¹⁰ / ₁₆ inches 20ths.	¹⁰ / ₁₆ inches 20ths.	¹⁰ / ₁₆ inches 20ths.	Inches.	Thickness.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	¹⁰ / ₁₆ inches 20ths.	Inches.	Inches.	Pest.
FLAT PLATE KEEL		-	-	-	-	32	9.	Double	"	1"	5"								
GARBOARD OF A Strake ...		39	9	8	8	32	9.	Double	#2	3/4	3"	Double	3/4	27/8	9 3/4	9			
<i>State actual thickness in way of Double Bottom.</i>																			
B "		53	7	6	6	53	7.	"	"	"	3"	Quadr	"	"	"		10	82'	
C "		48 1/2	8	6	6	53	8.	"	"	"	3"	Quadr	"	"	"		10	"	
D "		46	8	7	7	46	8	"	"	"	3"	Irregl	"	"	"		7 1/2	"	
E "		54	7	6	6	51	7	Oblique	Single #2	"	3	Quadr	"	"	"		10	"	
F "		54	7	6	6	49	7	"	"	"	3	Quadr	"	"	"		10	"	
G " <i>sheer.</i>		42	10	8	8	42	10	"	"	"	3"	Irregl	"	7/8	5 1/2		9	"	
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING of Flat Plate Keel																			
{ of Bilges																			
{ of Sheerstrakes ..																			
{ of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES			6		5		6.	single	2 1/2	3/4	3	Double	3/4	27/8			5		
BRIDGE SIDES			5				5.												
FORECASTLE SIDES				5			5												
LENGTHS OF PLATING.....		Nine frames space.																	

Write Sheer Strake opposite its corresponding letter.

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.? Plates, Conssett Iron Co
Barrow Hematite Steel Co Glasgow Iron & Steel Co

Main Stringer Plate } Butts, treble riveted for half length amidship.
 } Straps, single, double or overlapped for half length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? treble.

Inner Bottom Plating, riveting of Edges single Butts

Centre Girder Butts, treble riveted. Keelson Butts, treble riveted.

Frames, riveted through Plates with 3/4" in. Rivets, about 8" apart.

Rivets, state whether of Iron or Steel Iron.

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

FRAMES extend in one length from *Margin Plate to Margin Plate & thence to gunwale* state if ordinary or joggled *ordinary.*
REVERSED FRAMES on floors and frames extend from *Keel to side stringer in way of Main Deck* state if ordinary or joggled *ordinary.*
to upper side stringer & deck alternately in way of P. & D.

MASTS, SPARS, &c.											
		Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
LOWER MASTS....	Fore	<i>Pine</i>	<i>44' 0"</i>	<i>12 1/2</i>		<i>11</i>					
	Main	<i>Pine</i>	<i>40' 0"</i>	<i>12 1/2</i>		<i>11</i>					
	Mizen	<i>Pine</i>	<i>30' 9"</i>	<i>9 1/2</i>		<i>8 1/2</i>					
Bowsprit											
Topmasts, Yards and Remainder of		Spars									
Rigging, Material and Size, Shrouds		<i>3 at 2 1/2" each mast.</i>									
Sails.	<i>Complete</i>	Suit of	<i>Fore & aft.</i>								
				Stays <i>Fore 3 1/4", Main 2 3/4" Mizzen 2 1/4"</i>							
				Sails and the following spare sails.							

Equipment No. 9298 Letter K old table ANCHORS Tonnage U.Dk. 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.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
120223	1st Bower ..	12	2	14	Stockless	14	8	1	21	12	2	0	Laylors Patent	J. Laylor & Son	Brester	27-2-05	
120113	2nd " ..	12	1	23	Stockless	14	6	1	0	12	2	0	"	"	"	15-2-05	
120229	3rd " ..	10	1	20	Stockless	12	8	3	0	10	2	0	"	"	"	18-2-05	
	Collective weight	35	2	1						35	2	0					
120008	Stream	3	3	0	"	3	24	6	3	0	14	3	3	Common	J. Laylor & Son	Brester	14-2-05
120009	Kedge	1	3	4	"	1	27	4	7	0	21	1	3	Common	J. Laylor & Son	"	14-2-05
															H. J. Walford.		

[illegible]

Boats 2 Life Boats, 1 Dingy
Pumps, Number Three
Windlass is Steam Emerson Walker & Co.
Engine Room Skylights.—How constructed? Teak Shutters & Gratings.
What arrangements for deadlights in bad weather?
Coal Bunker Openings.—How constructed? Iron Framing. How are lids secured? Battens & Clots. Height above deck? 4'-2"
Number of Scuppers, and number and dimensions of Freeing Ports, &c. Two wells, 8' 6" x 24" & 1 Scupper; aft Well, 2' 6" x 27" & 3 Scupper
Ceiling in Holds, thickness and material 2 1/2" Pine
Cargo Hatchways.—How formed? Steel Framings 30" x 9 1/2" with Brackets at side. Hatches.—If strong and efficient? Yes.
State size No. 1 Hatch (Forward) 24'-6" x 15'-9" No. 2 Hatch 26'-3" x 15'-9" No. 3 Hatch No. 4 Hatch
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch Two web plates 3 1/2" in each hatchway
2 1/2" Pine Fore & afters, 6'-9" x 8", Side 4'-2"
No. of Breasthooks Three No. of Crutches Deck floors.
Bulwarks, height above deck and description 3'-9" Plating 3'-9" high Main Rail and Stays, material and size 5 1/2" x 3 1/2" Built Single
The above is a correct description. Stay 4" 3/4" 3/4" Built.
Builder's Signature (here only) W. Williamson Thos. Surveyor's Signature E. J. L. Lloyd
Surveyor to Lloyd's Register of British and Foreign Shipping.

Form No. 1A

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *M. 1902 = 25 Jan. 26 Feb.*
5th May = 1903 24 March. E 1904. 10th Dec. M 1905 1st Mar 2nd Mar, 24 May, 26 May

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 the plating? *No.*

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)? *✓* State results of tests *✓*

General Remarks (State quality of workmanship, &c.)

This vessel has been built in accordance with the approved plans; the Secretary's letters of the above mentioned dates, and in other respects in accordance with the Rules, and the workmanship is good.

After launching the vessel proceeded to Glasgow in tow, where the machinery is to be shipped. To complete the survey the boiler casing top requires to be riveted up after the machinery is shipped.
The Glasgow Shipyards have been advised.

This vessel is a sister vessel to the *U. S. Fish Hawk* No. 185, see Brw Rept No. 1094
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 24' 6" ft., Bridge Dk. 10' 6" ft., F'castle 20' 9" ft.
(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
Raised quarter deck joined to Bridge.
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 deck steel, 1 tier of beams.
Official No. _____; Signal Letters _____ State if Machinery is fitted aft. Yes.
How are the surfaces preserved from oxidation? Inside Paint & Portland 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. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	-	-	Fore peak tank,	22'	38
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, <i>in main hold</i>	89'	118	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. <u>86</u>	DATES OF SURVEYS
Date <u>19th March 1905</u>	hold white building
No. <u>186</u> in builder's yard.	<p>1903. May 28. June 9. 16. 26. July 2. 10. Sept. 17. 27. Nov. 11. Dec. 1. 19. 31.</p> <p>1904. Jan 22. 29. Feb 5. 11. 18. June 24. 29. July 7. 15. 28. Aug 7. 20. 26. Sept. 1. 8. 16.</p> <p>Sept. 20. 27. Oct. 10. 19. 25. Nov. 4. 15. 23. 28. Dec. 6. 15. 21. 23.</p> <p>1905. Jan 6. 11. 18. 27. Feb 3. Mar 22. Apr 6. 12. 26. May 4. 5. 6.</p>
	Total No. of Visits <u>53</u>

The amount of Entry Fee£ 2 : 0 : 0 } Fees applied for, *8th May 1905*
Special.....£ 23 : 9 : 0 } *not paid*
Travelling Expenses, if any £ 3 : 4 : 6 } Received by me, *16th May 1905*

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

I am of opinion this Vessel should be Classed *100 A1*

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

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

Certificate to be sent to *Barrow Office.*

Committee's Minute
Character assigned.

FRI, 23 JUN 1905
10001
(steel)
Lloyds a460. W + Lnb 3.03

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