

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled.		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	
FLAT PLATE KEEL (If Bar Keel, state Riveting.)	58	5	42	45	25	42	Double	4 1/2	3/4	3/4	Double	7/8	3/4	3/4	16 1/2	62	7 1/2	5	
GARBOARD OR A STRAKE	56 1/2	3 1/2	30	30	34	34	Single	2 1/2	3/4	3/4	Double	3/4	3/4	3/4	16 1/2	62	7 1/2	5	
B	57 1/2	3 1/2	30	30	34	34	Single	2 1/2	3/4	3/4	Double	3/4	3/4	3/4	16 1/2	62	7 1/2	5	
C	57 1/2	3 1/2	30	30	34	34	Single	2 1/2	3/4	3/4	Double	3/4	3/4	3/4	16 1/2	62	7 1/2	5	
D	57 1/2	3 1/2	30	30	34	34	Single	2 1/2	3/4	3/4	Double	3/4	3/4	3/4	16 1/2	62	7 1/2	5	
E	46	3 1/2	30	30	35	35	Single	2 1/2	3/4	3/4	Double	3/4	3/4	3/4	16 1/2	62	7 1/2	5	
F																			
G																			
H																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
Q																			
R																			
S																			
DOUBLING OF FLAT PLATE KEEL																			
Sheerstrakes																			
Length and thickness.																			
POOP SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES																			

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

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. *Open Hearth*

Upper Deck (Butts, riveted for *full* length amidship.

Stringer Plate (Straps, single, double or overlapped for *full* length amidship.

Second Deck (Butts, riveted for *full* length amidship.

Stringer Plate (Straps, single or overlapped for *full* length amidship.

Butts of Side Stringers *Double* riveted.

Tie Plates *Double* riveted.

Inner Bottom Plating, riveting of Edges *Double* riveted.

Centre Girder Butts, riveted *Double* riveted.

Keelson Butts, riveted *Double* riveted.

Frames, riveted through Plates with *3/4* in. Rivets, about *7* in. apart.

Rivets, state whether Iron or Steel *Iron*

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

FRAMES extend in one length from *Main & Hopper side* to *gunwale* State if ordinary or joggled *Ordinary*

REVERSED FRAMES on floors and frames extend from *Fore flange of shaft across* State if ordinary or joggled *Ordinary*

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Head.	Number.		Size.	Seams.	Butts.	
LOWER MASTS.....	Fore										
	Main										
	Mizen.....										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.											

Sails, and the following spare sails

EQUIPMENT No. *4657* LETTER *d.*

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT, HEAD STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	Qrs.	Cwts.	Qrs.	Cwts.	Qrs.	Cwts.	Qrs.			
6385	1st Bower	8	0	4	3	4	2	0	7	1	0	Anchor Wrought Iron, Northons Bar, Made, P. 2. 10. P. C. Land
6386	2nd "	7	3	2	4	2	16	9	18	0	14	"
	3rd "											"
	4th "											"
	Collective weight	15	3	2					14	2	0	"
6387	Stream	2	1	6		2	8	4	15	0	0	Common Stock
	Kedge	3	0						3	0		"

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size supplied.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size supplied.
			Cwts.	Qrs.								
7099	165 1/2	76	13 7/8	20 6/8	64 1/2	11	165	76	Standard Wrought Iron	8. 2. 10. P. C. Land		
3716	120	36	4 6/8	9 2/8	20 0	6	28 0	0	Standard Wrought Iron	2. 2. 10. C. L. Pennine		

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size supplied.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size supplied.

Boats *One lifeboat 14' 4" One jolly 14' 0"*

Pumps, Number *One Portable & one for Fire Hold*

Windlass is *Clarke Chapman & Co*

Engine Room Skylights.—How constructed? *Shut plate and angle: Deck plate*

What arrangements for deadlights in bad weather? *Shutters*

Coal Bunker Openings.—How constructed? *Cast iron covers* How are lids secured? *Chips* Height above deck? *Flush*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *One 7" Port each side aft 33 1/2" x 18"*

Ceiling in Holds, thickness and material *✓*

Cargo Hatchways.—How formed? *✓*

Cargo Battens, thickness and material *✓*

Hatches, If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *39 1/2" x 36"* No. 2 Hatch *44" x 18"* No. 3 Hatch *✓* No. 4 Hatch *✓*

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

No. of Breasthooks *One* No. of Crutches *dup flow*

Bulwarks, height above deck and description *Forward & aft only: steel* Main Rail, material and size *Three fitted & 2 in. 3/4" R.A.*

The above is a correct description.

Builder's Signature *For SMITH'S DOCK CO. L^d* Surveyor's Signature *OT Baker*

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

Correspondence.—State date and initials of letters respecting this case (Reference should be made to any correspondence connected with the case). *M 22 Nov*
E. 11 Dec, M 28 Dec 1909, M 4 Jan 1910, M. 6. 4. 1910

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? *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. 26, par. 20)? *Yes* State results of tests *Satisfactory*

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

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

This steam grab hopper barge has been built in accordance with the approved plans the 9th letter of above date and in general conformity with the Rules for the class contemplated. The collision Bld has been tested under water pressure and found satisfactory

Four plans and one firing report herewith

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. *✓* ft., Bridge *✓* ft., Forecastle *✓* 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). *One dk (etc)*

Official No. *129087* : Signal Letters. State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Paint & Amel* 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,		
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. *✓*

Order for Special Survey No. *824*

Date *23rd Dec 1909*

No. *417* in builder's yard.

DATES OF SURVEYS held while building

1909. 10. 04. 20. Dec 04. 1. 2. 6. 9. 10. 14. 15. 17. 20. 22. 1910. Jan. 5. 10. 12. 13. 17. 19. 26. 27. 31. Feb. 1. 2. 10. 11. 17. 21. 22. 23. 24. 28. Mar. 1. 4. 16. 17. 18. 23. 30. Apr. 1. 4. 5. 6. 8.

Total No. of Visits *44*

The amount of Entry Fee £ *2* : 0 : 0 Fees applied for, *18. 4. 10*

Special Survey Fee.... £ *13* : 11 : 0 Received by me, *20. 4. 10*

Travelling Expenses, if any £ : : *21. 4*

Certificate to be sent to *Middleborough Office*

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

I am of opinion this Vessel should be Classed *A.1. Steam Grab Hopper Barge*

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

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

Committee's Minute

Character assigned

FRI. 22 APR 1910

Steam Grab Hopper Barge

Lloyd's A.C.P.

+ L.M.C. 4.10

Re/s series 29/4/10.