

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 30th Decr. 1905

Date, First Survey 29th April

Port of Glasgow

Last Survey 30th Decr. 1905

Rig Ketch

Master J. McBracken

Year of appointment 1895

Survey held at Bowling
On the Steel Screw Steamer

"HAMILTON"

ONE OR TWO DECKED VESSEL.

CLASS +100 A.1.

TONNAGE under
Tonnage Deck 97.14

Do. of Poop 14.30

Do. of Raised Qr. 8.37

Do. of Bridge House 6.99

Do. of Houses on Deck 3.37

Do. of excess of Hatchways 6.36

Do. above Crown of Engine Room 13.62

Gross Tonnage 150.15

Less Crew Space 17.38

Less above Crown of Engine Room 13.62

TONNAGE FOR FEES 119.15

Less Engine Room 87.05

Less Navigation Spaces 6.95

Register Tonnage 38.77

as cut on Beam

Half Breadth (moulded) 10.00

Depth from upper part of Keel to top of Main Deck Bms. 9.41

Girth of Half Midship Frame (as per Rule) 17.83

1st Number 37.24

Length on deck from after part of stem to fore part of stern post 84

2nd Number 3128.16

Proportions—Breadths to Length 4.2

Depths to Length—Main Deck to top of Keel 8.9

Destined Voyage Coasting

If Surveyed while Building, Afloat, or in Dry Dock while building

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
84	0	20	0	8.25	0	9	0	0	one	one

Dimensions of Ship per Register, Length, 85 breadth, 20.1 depth, 8.25 Moulded Depth, 9 ft. 0 ins. Round of Beam, Actual ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	20ths per Rule Or as Appro.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	20ths per Rule Or as Appro.
FRAME, Angles, 2 ³ / ₄ on 1 Beam, for full length	3	2 1/2	5	3	2 1/2	5	KEEL, Bar or Side Plates depth and thickness	6 x 1 1/2	6	6 x 1 1/2	6
Do. for 1/2 at each end							STEM, moulding and thickness	5 1/2 x 1 1/2	5 1/2	5 1/2 x 1 1/2	5 1/2
Do. in way of Double Bottoms or Solid Floors							STERN-POST for Rudder do. do.	5 1/2 x 2 1/2	5 1/2	5 1/2 x 2 1/2	5 1/2
Do. in way of Double Bottoms or Solid Floors							for Propeller	3 1/2	3	3 1/2	3
Spacing of Frames from centre to centre	2 1/2	2 1/2	5	2 1/2	2 1/2	5	MAIN PIECE of Rudder, diameter at head	2 1/2 x 2 1/2	2 1/2	2 1/2 x 2 1/2	2 1/2
REVERSED FRAME, Angles	2 1/2	2 1/2	5	2 1/2	2 1/2	5	do. at heel	2 1/2 x 2 1/2	2 1/2	2 1/2 x 2 1/2	2 1/2
DEEP FRAMING, depth of girder	13	x	6	13	x	6	RUDDER, how constructed	Single Plate			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	13	x	6	13	x	6	Can the Rudder be unshipped afloat?	yes.			
in way of Engines and Boilers			7			7					
thickness at the ends of vessel	8		6	8		6					
depth at 1/2 the half breadth, as per Rule	24			24							
height extended at the Bilges											
FLOORS & BRACKETS in Coll. Dble Bottoms											
state if flanged (top & bottom)											
Spacing											
CENTRE GIRDER, in Double Bottom, depth and thickness											
Angles, Top											
Bottom											
SIDE 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											
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake											
thickness in Engine and Boiler space											
Remainder in Holds											
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	6	4	2 1/2	6					
Angles on Upper Edge											
Spacing		21			21						
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb											
Angles on Upper Edge											
Spacing											
BEAMS, Hold, Plate or Tee Bulb											
Angles on Upper Edge											
Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb											
Angles on Upper Edge											
Spacing											
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	2 1/2	6	4 1/2	2 1/2	6					
Angles on Upper Edge											
Spacing		42			42						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	7	4 1/2	3	7					
Angles on Upper Edge											
Spacing		42			42						
PILLARS, in Upper ^{Lower} Decks, Size and Spacing											
Hold	2 1/2	42		2 1/2	42						
Quarter, tween Dks											
in Hold											
WEB 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											
Angles or Tee Bars to Web Frames											
WEB FRAMES, Depth and Thickness											

PLATING.

STRAKES.

AS IN SHIP.

PER RULE OR AS APPROVED.

EDGES.

RIVETING.

BUTTS.

DOUBLE OR TREBLE AND FOR WHAT LENGTH.

IF LAPPED.

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. *Siemens Martin process. Dalgell, Blochbaum, Hallside. Lanarkshire.*

Has the steel been tested as required by the Rules *Yes.*

FRAMES extend in one length from *keel* to *main raised quarter deck* state if ordinary or joggled *ordinary*

REVERSED FRAMES on floors and frames extend from *centre line to side stringer* state if ordinary or joggled *go.*

all to main deck in way of hatch.

MASTS, SPARS, &c.

LOWER MASTS. Fore *Pitch Pine Poles.*

Main *Pitch Pine Poles.*

Mizen *Pitch Pine Poles.*

Bowsprit

Topmasts, Yards and Remainder of Spars *✓*

Rigging, Material and Size, Shrouds *Steel Wire 2 1/2"*

Stays *3 1/2 go.*

Sails. *One* Suit of *fore and aft* Sails and the following spare sails *✓*

Equipment No. *3482* Letter *A.*

ANCHORS.

Tonnage U.Dk. or Plating No. for Traversers *✓*

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.

1st Bower *4 2 14* *Stockton* *7 0 0 0* *4 2 0* *Wrought Stockless* *9. Taylor & Sons Sunderland. 9/10/05*

2nd *4 1 10* *go.* *6 12 2 0* *4 1 0* *go.* *9. Taylor & Sons Sunderland. 9/10/05*

3rd *8 3 14* *go.* *8 3 0* *8. 3 0* *Ordinary* *go.* *9. Taylor & Sons Sunderland. 9/10/05*

Collective weight *0 3 0* *0 3 0* *0 3 0* *0 3 0* *Ordinary* *go.* *9. Taylor & Sons Sunderland. 9/10/05*

Stream *0 2 0* *0 2 0* *0 2 0* *0 2 0* *Ordinary* *go.* *9. Taylor & Sons Sunderland. 9/10/05*

Kedge *0 2 0* *0 2 0* *0 2 0* *0 2 0* *Ordinary* *go.* *9. Taylor & Sons Sunderland. 9/10/05*

CHAIN CABLES.

HAWERS AND WARPS.

Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length & Size per Table 22. Description. Makers of Cables. Where and when tested and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire Towline. Length. Gr.

237 *120 1/16 8.5* *12.75 30.3-10 29-0-14* *120 1/16* *Steel Link Woodhouse & Co. Cradley Heath 4/10/05* *Sgt. H. H. Dudley.* *TOWLINE 75 5 1/2* *90 3* *75 5 1/2* *90 3*

Lower Stream *45 2 1/2* *Y* *45 2* *Steel Wire.*

Boats *2 lifeboats*

Pumps, Number *Stem pumps and one hand* Diameter of Barrel *5"* State whether they are in efficient working order *Yes.*

Windlass is *Fishers stem and hand geared* Capstan *Stem winch.*

Engine Room Skylights. How constructed? *Leak skylight on steel casing*

What arrangements for deadlights in bad weather? *Shutters with glass bull eyes.*

Coal Bunker Openings. How constructed? *Iron scuttles* How are lids secured? *Bayonet joint* Height above deck? *flush on R.D.*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. in well *3 each side 2-6 x 1-6 and 2 scuppers.*

Ceiling in Holds, thickness and material *1 1/2" P. 2 1/2"* Cargo Battsens, thickness and material *2" W.P.*

Cargo Hatchways. How formed? *Steel coaming 30" high* Hatches. If strong and efficient? *2 1/2" solid*

State size No. 1 Hatch (Forward) *22-9 x 13-0* No. 2 Hatch *✓* No. 3 Hatch *✓* No. 4 Hatch *✓*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *2 Webs & 3 fore and afters*

No. of Breasthooks *3* No. of Crutches *4*

Bulwarks, height above deck and description *36" Steel Plating* *Build up Main Rail and Stays, material and size 5" built up*

The above is a correct description.

Builder's Signature (here only) *Scott & Sons* Surveyor's Signature *R. L. Wright*

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)

15 May 1905 M. 25 July 1905 E.

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

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? *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.)

The workmanship throughout is good. The vessel has been built in accordance with the approved plans, the Secretary's letters of above dates, and in general conformity with the Rules for the class contemplated.

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 *30* ft., Bridge Dk. *7* ft., F'castle *14* 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

The R.Q.D. is joined to the B.D.

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) *18k. (Stl.)*

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

How are the surfaces preserved from oxidation? Inside *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,		
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. *6017* *1905 July 7. 29. Aug. 2. 9. 11. 16. 12. 22. Sep. 6. 12. 18. 24. Oct. 2. 4. 11. 13.*

Date *17. 5. 05* *16. 19. 25. Nov. 15. Dec. 30.*

No. *180* in builder's yard

Total No. of Visits *22*

The amount of Entry Fee *£ 10* *10/11/05* *Received by me, R. L. Wright.*

Travelling Expenses, if any *£ 7* *14/12/1905*

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

I am of opinion this Vessel should be Classed *+100 A.I.*

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

Glasgow 8-JAN 1906

Committee's Minute *+ 100H (Steel) Lloyd's & C.P.* *When for 21 paid*

Character assigned *9*

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