

REPORT of SURVEY for REPAIRS.

No. in Reg. Book. **No. 10975** Survey held at S. Shields Date 12th Aug to 29th Sept 1869
 on the Iron Barge "Unicorn" Master R. Horn
 Tonnage 491.55 built at Stockton When built 1863
 By whom built Richardson & Owners Gillespie & Co
 Port belonging to London Destined Voyage Bombay
 If Surveyed Afloat or in Dry Dock On patent slipway

Survey, No. 6154 Port Iron Classed 12 A. 1.
 4, 68.

IRS now done

The whole of the ceiling removed and all oxidation beaten off plating, frames &c.

The vessel separated amidships, and thirty additional feet length introduced.

Scantlings of new materials introduced

Side plates	16 x 8 1/2	Stringer in hold double angle iron	4 x 4 x 7/16
Side plates	2 3/4 x 2 3/4 x 7/16	Plating between dunnage	7 x 7/16
Side plates	2 3/4 x 2 3/4 x 7/16	Stitch keelson double angle iron	4 x 4 x 7/16
Side plates	16 x 8 1/2	Chain keelson, single plate	11 x 8 1/16
Side plates	7 x 7/16	Double angle iron & 2 x 2 x 7/16	4 x 4 x 7/16
Side plates	21 x 7/16	Sheerstrake	36 x 9/16
Side plates	21 x 7/16	Garboard plate	30 x 1 1/16
Side plates	10 1/2 x 7/16	Bills to keel	9/16
Side plates	10 1/2 x 7/16	Bills to 3/4 depth	9/16
Side plates	10 1/2 x 7/16	Bills to sheerstrake	9/16
Side plates	10 1/2 x 7/16	All butt straps 9 x 5/8	All bolts double

Condition of the	Good	Treenails	Good	Windlass and Capstan	Good
Decks	Good	Breasthooks and Stemson	Good	Pumps	Good
Transoms, Pointers, and Crutches	Good	Boats	Good	Masts, Yards, &c.	Good
Timbers of the Frame at the openings	Good	Condition, how ascertained	Even by boring	Sails	Well found
Ditto Ditto at other places	Good	Anchors No. of	3 B 15. 2 H	Cables	Simple
Keelsons	Good	Hawsers and Warps	Good sufficient	Standing & Running Rigging	Good when seen
Clamps and Shelves	Good				
Ceiling	Good				
Rudder	Good				
Copper	When put on				

General Observations and Opinion,

Caulking of Bottom, Deck, & Waterways.

This vessel is in a good and efficient state of repair and eligible in my opinion to receive her present character 12 A, and to have worked S.S. No. 2. 69 in the Liverpool trade.

The Amount of Fee.....£ 2 : : is received by me,

Special..... 0 : 0 :

Certificate (& required) : 0 :

Committee's Minute 22nd October 1869

Character assigned 12 A

To have fig
29/10/69

MAS

A

S.S. No. 2 = 69

I am of opinion this
Iron Barge built of
is eligible for Classification
as recommended above
Oct 22/69

IRON 45-0088

44 77 Iron

Repairs continued.

Edges single rivetted from lower edge of Sheerstrake to upper part of billys, and double rivetted from sheerstrake downwards.

All cuts of plating, stringers &c. &c. properly shifted as required by the Rules.

Ceiling in solid red pine 2 1/2" thick.

The bottom coated with Portland Cement and then upwards with paint & cement wash.

The outside coated with paint and patent Composition.

Mast of main iron now used.

Plates by Bolckum & Vaughan

Asph. iron - Abbott & Co.

Bull plates - Hawks & Francis & Co.

The following are now the principal dimensions &c. as per Register.

Length aloft — 163.0
Breadth extreme — 27.0
Depth in hold — 16.2 1/2

Tonnage under deck — 485.22
Break — — — 19.33
House on deck — 17.71
522.26
Deadweight crew space 31.71
Tonnage out on beam 491.55

Rep. M. A. S. S.

per Report, Stockton No 2325, Oct 63

240 fathoms of 1 3/4 Chain (private test)

one anchor 21.2.25

" 17.1.11

" 16.3.14

} private test

Committee's Minute 29th October 1869

Character assigned

12.10.1



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