

No. 734 Survey held at Shields ^{Vol 150} Date August 6th 1858
 on the Barque "Naval Brigade" Master James McEwen
 Tonnage 541 Built at Shields When built 1838 Launched July 13th
 By whom built Thos. Young & Son Owners J. Young & Son
 Port belonging to Shields Destined Voyage Bombay
 If Surveyed while Building, Afloat, or in Dry Dock While building and afloat.

7340

Length aloft	Feet.		Inches.		Extreme Breadth Outside	Feet.		Inches.		Depth of Hold	Feet.		Inches.	
	140	8	30	8		29	3	19	5					
Scantlings of Timber.														
TIMBER AND SPACE	30													
Floors	13 1/2	13 1/2	11 3/4	13 1/4	13 1/4	11 1/4								
1 st Foothooks	12	12	10 1/2	11 1/4	11 1/4									
2 nd Ditto	11	10 1/2	9	10 1/4										
3 rd Ditto	10 1/2	9	7	9 1/4		6 1/4								
Top Timbers	9 1/2	8	7	9 1/4		6 1/4								
Deck Beams, length amidships	27 ft	8												
Hold Beams, length amidships	27 ft	8												
Keel	14 1/4	14 1/4		14 1/4	14 1/4									
Scarp of Ditto	6 ft			6 ft										
Keelsons	15 1/2	16	16	15 1/4	15 1/4									
Scarp of Ditto	6 ft	11		6 ft										

Thickness of Plank	INCHES. Required per Rule.		Thickness of Plank	INCHES. Required per Rule.	
	In Ship.	Required per Rule.		In Ship.	Required per Rule.
Garboard Strakes	4	4	Limber Strakes	4 1/4	4 1/4
Garboard to Bilge	4	4	Bilge Planks	4 1/4	4 1/4
Bilge Planks	4 1/2	4	Ceiling in Flat	3	3
Bilge to Wales	4 1/4	4	Ditto Bilge to Clamp	3	3
Wales	5 1/4	5	Hold Beam Clamps	5	4 1/2
Topsides	4	4	Deck Beam Ditto	4	4
Sheer Strakes	4 1/2	4	Ceiling 'twixt Decks	2 3/4	2 1/2
Plank Sheers	4	4	Hold Beam Shelves		
Water-Ways Upper Deck	12 1/2 x 11 1/2		Deck Beam Ditto		
Water-Ways Lower Deck					
Ditto, faying surface against Timbers	8 1/2	8			
Upper Deck	3 1/2	3 1/2			

Size of Bolts in Fastenings, distinguishing whether Copper or Iron; also of Treenails.

Fastenings	Copper		Fastenings	Copper	
	Inches in Ship.	Inches required per Rule.		Inches in Ship.	Inches required per Rule.
Heel-Knee, and Deadwood abaft	1 1/4	1 1/4	Transoms and throats of Hooks	1 1/8	1 1/8
Scarp of Keel	1	1	Arms of Hooks	1	1
Keelson Bolts through Keel at each Floor	1 1/8	1 1/8	Bolts thro' Bilge & Limber Strakes, or Thickstuff over Double Floors	7/8	7/8
Bolts through Heels of Timbers against Deadwood	7/8		Butt End Bolts	7/8	7/8
			Pintles of the Rudder	3/4	3
			Waterway	1	1
			Knees	1	1
			Shelf or Clamp	1	1
			Waterway	7/8	7/8
			Knees	7/8	7/8
			Shelf or Clamp	7/8	7/8
			Nails or Bolts in Flat of Deck	4	4
			Treenails	1 1/4	1 3/4

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 4 1/2 Inches. The Space between the Top-Timbers is 5 Inches.
 The Floors consist of Pantyc Oak 9 The First Foothooks of Pantyc Oak 9
 The Second Foothooks of English Oak 12 The Third Foothooks and Top Timbers of English Oak 12
 The Shifts of the First and Second Foothooks are not less than 4 ft 6" N. B. When less than prescribed by the Rule, state how many.
 The rest of the Shifts of the Frame are properly shifted
 The Frame is well squared from the First Foothook Heads upwards, and is free from sap, and from thence downwards, the frame is properly squared.
 The alternate Frames are bolting bolted together to the Gunwale. N. B. If not, state how bolted.
 The Butts of the Timbers are close close together; their thickness not less than 1/3 of the entire moulding at that place.
 The Frame is choked with no Butt at each end of the chock. The Main piece of Rudder is Iron Bark 12
 The Main Keelson is Greenheart 12 and is free from all defects. The Main piece of Windlass is English Oak 12
 The Stem, and Stern Post, consist of English Oak 12 The Transoms, Aprons, Knight Heads, and
 Hawse Timbers of English Oak and Teak 14 Deadwood, of English Oak 12 and are free free from all defects.
 The Deck and Hold Beams consist of Pantyc Oak 9 The Breasthooks of Iron The Knees of Iron

Planking Outside.—From the Keel to the Height defined in Note to Table A the Plank is American Elm & Pitch Pine 12
 or to the First Foothook Heads
 From the above named Height to the Light Water Mark Pitch Pine & Pantyc Oak 12
 From the Light Water Mark to the Wales Pitch Pine 9
 The Wales and Black-strakes are Pantyc Oak & Greenheart 12 The Topsides Pantyc Oak 9
 The Sheer-strakes and Plank-sheers Teak and Pantyc Oak 9 The Water-ways { Upper Deck Red Pine 10
 Lower Deck —
 The Decks of Yellow Pine 12 State of good
 The Shifts of the Planking are not less than 5 Feet — Inches. N. B. If less than prescribed by the Rule, state whether general or partial, and if partial, in what part of the Ship. The Planking is wrought — between, and without step-butting.

Planking Inside.—The Limber-strakes and Bilge-strakes are Pantyc Oak 10
 The Ceiling, Lower Hold, and between Decks Pantyc Oak 10 Shelf Pieces and Clamps Pantyc Oak 10
Fastenings.—To Hold Beams 22 pairs of Iron Staple Lodging Knees, 12 pairs of Iron Hanging Knees and 6 pairs of Iron Riders.

Deck Beams 25 pairs of Iron Staple Lodging Knees and 15 pairs of Iron Hanging Knees
 Number of Breasthooks 6 of Iron Pointers 1 pair of Iron Crutches 1 Iron
 Butts End Bolts are of Yellow Metal in the Bottom, and a Bolt in each Butt End through and clenched.
 Bilge and Limber Strakes are bolted through and clenched. Treenails of English Oak 12 How Made Turned
 Thickstuff over Double Floors — bolted through and clenched. General Quality of Workmanship good

We certify that the above is a correct description of the several particulars therein given
 Builder's Signature Thos. Young & Son Surveyor's Signature John Maxwell

NWC 775-0382

Her Masts, Yards, &c. are in good condition, and sufficient in size and length.

She has SAILS.		CABLES, &c.		ANCHORS, and their weights.		
N ^o .		Fathoms.	Inches.	N ^o .	Weight.	
	Fore Sails,	Chain	270	1 1/8 x 1 1/8	Bower,	3 26.0.14
	Fore Top Sails,	Hemp Stream Cable	80	1"		26.0.6
	Fore Topmast Stay Sails,	Hawser	4	4	Stream,	1 5.3.9
	Main Sails,	Towlines	80	9"		
	Main Top Sails,	Warp	70	9"		
	and	All of <u>good</u> quality.	70	5	Kedge,	1 2.1.9

Her Standing and Running Rigging is sufficient in size and good in quality.

She has one Long Boat and a Shift Slip

The present state of the Windlass is good Capstan good Rudder good Pumps 2 Metal good

General Remarks and Statement and Date of Repairs, if any.

DATES of Surveys held while building, as per Section 35.

1st. When the Frame is completed At various times while building

2nd. When the Beams are put in, &c. under Special Survey

3rd. { When completed, and before the }
 { plank be painted or payed } _____

It has been built under Special Survey as per order No 211.

This vessel is fastened with Yellow Metal bolts to the exclusion of Iron, with the exceptions of those parts allowed as per Rule Section 46.

Is fitted with Lunninghams patent Topsails.

Testing certificates of Chain cables produced.

Has a Rider Keelson of Greenheart 4 ins thick.

No. 7. To be forwarded to Messrs. J. & W. Colburn, Stationers, Fleet Street, London.

Present condition of Caulking of Bottom, Good Deck, Good and Waterways Good

If Sheathed, Doubled, Felted, or Coppered Yellow Metalled over Felt When last done 1858

I am of opinion this Vessel should be Classed Q.A.1

The Amount of the Fee.....£ 5 : 0 : 0 is received by me,

Special£ 27 : 1 : 0

Certificate£ : : ✓

John Maxwell

Committee's Minute 10th Aug 1858

Character assigned Q.A.1

