

COMPOSITE SHIP.

No. 3594 Survey held at Dundee Date 21st August 1869
on the Ship Tombregde Master Pizzey
Tonnage under tonnage deck 783.86 Built at Dundee When built 1869 Launched 7-8-69
Ditto of poop 72.51 or open deck 13.25
Ditto of engine room 79 ^{house} 33.28 By whom built A. Stephen & Son Owners Liscombe
Gross tonnage 902.9 Port belonging to London Destined Voyage India
Total Register tonnage ab 856.37
Surveyed while Building, Afloat, or in Dry Dock Building & afloat

Feet.	Inches.	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	No. of Decks	Inches in Ship.	Inches required by Rule.
181	2	32	32	19	5				Two		
Outside Plank, crossbatted with 1/8" 9" ab 4 1/2" ap											
Garboard Strakes, thickness 5 1/2"											
Garboard to Topsides ditto 5 1/2"											
Topsides ditto 4"											
Sheerstrakes ditto 4"											
Planksheers ditto 4"											
Waterways Upper Deck 4"											
Waterways Lower Deck 4"											
Iron Sheerstrake, breadth and thickness 3 1/2"											
Bilge Plate ditto 2 1/2"											
Diagonal Plates on Frames 10"											
Gunwale Plate or Stringer on ends of Upper Deck Beams, breadth and thickness 26"											
Angle Iron on ditto 4 x 4											
Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways 12"											
Diagonal Tie Plates on ditto 8"											
Flat of Upper Deck, thickness 4"											
Ceiling betwixt Decks, thickness 2"											
in Hold, thickness 2 3/4"											
Clamps or Spirketting ditto 2 3/4"											
Stringer Plates on ends of Hold or Lower Deck Beams, breadth and thickness 16 1/2"											
Stringer or Tie Plates fore and aft outside Hatchways, on Hold or Lower Deck Beams 12"											
Stringers in Hold 4 x 4											
Flat of Lower Deck, thickness 8"											
Diameter of Hold Pillars 3 1/4"											
Main piece of Rudder, diameter at head 16 1/4"											
(Can the Rudder be unshipped afloat) Yes											

The Main piece of Rudder is Iron Bark of Windlass is Iron Bark
The Main Keelson is Plate Iron and free from all defects.
The Transoms, Knight Heads, Hawse Timbers, and Stern Post of Teak and are free from all defects.
Aprons of Iron plating Deadwood, of Teak and are free from all defects.
The Breasthooks of plate Iron The Knees of Iron
The Planking is wrought Three between, and without step-buttling.

From the Keel to the Height defined in Note to Table I the Plank is Ames Elm & Teak
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The Limber-strakes and Bilge-strakes are Red Pine
The Topsides & Sheerstrakes Teak
The Waterways { Upper Deck Iron Gutter plate
Lower Deck Iron
How fastened to Beams 5/8" Gal screw pointed bolts with nuts
N. B. If less than prescribed by the Rule, state whether general
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Manufacturer's name or trade mark L & B Walker for Angles & Beams
We certify that the above is a correct description of the several particulars therein given.
Builder's Signature Alce Stephen & Son Surveyor's Signature Thomas Alexander

Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, Galvanized Iron, or Iron.

	Copper or Y.M. in Ship.	Iron in Ship.	Inches required per Rule		Copper or Y.M. in Ship.	Gal Iron in Ship.	Inches required per Rule		Copper or Y.M. in Ship.	Gal Iron in Ship.	Inches required per Rule
Deadwood forward and aft ..	1 1/2	1 1/2	1 1/2	Transverse and throats of Hooks	1 1/2	1 1/2	1 1/2	Hold Beam Bolts in	1 1/2	1 1/2	1 1/2
Scarp of Keel, No. 8	1 1/2	1 1/2	1 1/2	Arms of Hooks ... Bolt in ...	1 1/2	1 1/2	1 1/2	Deck Beam Bolts in	1 1/2	1 1/2	1 1/2
Keelson Bolts through Keel at each Floor	1 1/2	1 1/2	1 1/2	Thro' Bilge and Limber Strakes	1 1/2	1 1/2	1 1/2	Waterway ...	1 1/2	1 1/2	1 1/2
Bolts in Iron Keel Plate	1 1/2	1 1/2	1 1/2	Butt End Bolts	1 1/2	1 1/2	1 1/2	Knees	1 1/2	1 1/2	1 1/2
				Pintles of the Rudder	1 1/2	1 1/2	1 1/2	Shelf or Clamp	1 1/2	1 1/2	1 1/2

Her Masts, Bowsprit, Yards, &c., are in Good condition, and sufficient in size and length. If they are of Iron or Steel give the scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of rivetting, quality of Materials, and if stamped with Maker's name.

	Length	Diameter	Head	Stem and Males	Log plates	Legs	Brackets	Butts	Butt straps
Fore Mast	74.7	24 3/4	14"	7/16. 3/8	at 8 1/2 ft	4	double	double	1/16 thicker than plates
Main Mast	76.6	24 3/4	14"	7/16. 3/8	at 8 1/2 ft	4	double	double	1/16 thicker than plates
Bowsprit	37.0	24 1/2	17"	1 1/4" 8 1/2"	57 1/6. 1/4"	2	double	double	1/16 thicker than plates
Fore Main Yard	70.0	24 1/2	17"	1 1/4" 8 1/2"	57 1/6. 1/4"	2	double	double	1/16 thicker than plates

No.	She has SAILS.	CABLES, &c.	Fathoms.	Inches.	Test as per Certificate.	In. req'd per Rule.	Test req'd per Rule.	ANCHORS, &c.	No.	Weight.	Test as per Certificate.	Wt req'd per Rule.	Test req'd per Rule.
2	Fore Sails,	Chain	300	1 1/8	47.5	300 x 1 1/8	47.5	9.68 PHS 422.4	29.7.49	25.3.0	25.8.0.14	25.10.00	25.2
4	Fore Top Sails, re double	Chain	300	1 1/8	47.5	300 x 1 1/8	47.5	Bowers	2	25.2.11	25.5.3.21	25.9.5	25.5
2	Fore Topmast Stay Sails,	Hempen Stream Cable..	90	10"	718	10"	718	Stream	2	25.2.11	25.5.3.21	25.9.5	25.5
2	Main Sails,	Hawser	90	8"	8	8"	8	Stream with	10	3.0	22.3.1.0	21.2.19	21.2
4	Main Top Sails, re double	Towlines	90	8"	8	8"	8	Kedges	1	5.1.0	5.1.0	5.1.0	5.1.0
and others in all 53 pieces		Warp	90	4"	5	4"	5			4.3.21	2.3.0	2.3.0	2.3.0
		All of <u>Good</u> quality.											

Her Standing and Running Rigging New & Hemp sufficient in size and Good in quality.

She has Three Long Boats 2 of 26 ft - & 3 of 24 ft

The present state of the Windlass is Good 2 Capstans Good and Rudder Good Pumps Low & Duff's patent Double action

Order for Special Survey	DATES of	1st.	On the several parts of the frame, when in place, and before the plating was wrought	Feb ^y March
No. <u>240</u>	Surveys held	2nd.	On the plating during the progress of rivetting	March April May June
Date <u>11-1-69</u>	while building	3rd.	When the beams were in and fastened, and before the decks were laid	May
Order for Ordinary Survey	as per	4th.	When the ship was complete, and before the plating was finally coated	July
No. _____	Section 18.	5th.	After the ship was launched	4 th 21 st August in ball about 90 units
Date _____				

State if she has a Star Deck Poop 42 ft from front to Forecastle 32 1/2 ft along Center

No 43 in Builders Year
General Remarks,

This vessel has been built under a roof, with 14 years Materials in conformity with enclosed section - submitted 27/11/68 & approved with certain alterations stipulated by letter of 28/11/68. Also in the Keel being entirely fastened with Yellow Metal thru bolts to the exclusion of Galvanized Iron as marked in section. Is fastened with Yellow Metal bolts from the lower part of the Keel up to 1/8 depth of of Hold below the upper side of the upper deck above which height all fastenings are of Galvanized Iron.

The frames in way of Top gallant forecabin having originally been carried to deck stringer of gutter Waterway carried forward - On application sanction was given to the plan enclosed in substitution for the frames having been cut off.

Prior to the vessel being launched an error was found in the Calculated statement of Tonnage originally submitted causing the Register Tonnage by the crewing above the Main deck to come within the scale for 800 tons. Consequently affecting the equipment. By Main piece Rudder & Mindlars Keel & Kelsons & also upper & lower deck stringers the Builders having submitted a proposal to apply in room of the slight deficiency in the Keel & Kelsons of double A/E stringer 4 1/2 x 4 x 7/16 along each side for 1/2 the ships length was sanctioned by way of Compensation under instructions of date 20/11/69 - applied accordingly. The Builders in 5/1/69 having applied to be permitted to dispense with certain portions of the pillars & beams as stipulated in the Rules on account of the closer spacing of Beams in this case. Sanction was declined but permission to use 3/8 in room of 3/4 for the Hold Beams granted. (with letter 24/3/69)

In what manner are the surfaces of Iron Work preserved from oxidation Annual coats Red Lead or other Color

Bottom inside coated up to mid part round of Bulge with Portland Cement

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

If Sheathed, Doubled, Felted, or Coppered Yellow Metal over 1/2 felt paper When last done Now

I am of opinion this Vessel should be Classed 17 A1

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

Special£ 42 : 16 : 0

Certificate£ 24 : 16 : 0

Committee's Minute 27 August 1869

Character assigned 1 for 17 years

This vessel appears eligible to be classed as recommended above, assuming that the shift of planking is agreeable to the Rules. 26 Aug 69