

IRON SHIPS.

No. 3234 Survey held at Wingham & Little Date 30th June 1865
on the Steam Vessel Wingham (for term), Master [Signature]
Tonnage under tonnage deck 593.83 Built at Wingham When built 1865 Launched 12th April 1865
Netto of poop 82.5 ^{Houses on} or ^{space} deck 44.83 By whom built John Wey Owners Par Sah
of engine room 200.39
Gross Register tonnage 520.44 Port belonging to [Blank] Destined Voyage [Blank]
Gross tonnage 521.16
Surveyed while Building, Afloat, or in Dry Dock While Building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.	N ^o . of Decks
	220	0		34	0		16	0		140	Two
Dimensions of Ship per Register, length 223.4 breadth 26.65 depth 16.15											
	Inches.	16ths.	Inches.	16ths.	Inches.	16ths.					

Keel, if bar iron, depth and thickness.....	$8 \times 2\frac{1}{2}$	Inches in Ship.	$30 \times 2\frac{1}{2}$	Inches required per Rule.	Plates in Garboard Strakes, breadth and thickness	33	In Ship.	10	In Ship.	30	per Rule.	10	per Rule.
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„ if plate iron, breadth and thickness	— — — — —	1 x 22	Ditto from Garboard to upper part of Bilges..	9	✓	9
Stem, if bar iron, moulding and thickness	8 x 2 1/2	14 x 2 1/2	„ from upper part of Bilge to a perpen-			

„ if plate iron, breadth and thickness	8 1/2 x 4	1 x 2 1/2	dicular height from upper side of	8
Stern-post, if bar iron, moulding and thickness	8 1/2 x 4	1 x 2 1/2	Keel of 3/4ths the entire depth of	8
Stern-post	8 1/2 x 4	1 x 2 1/2	Hold	

" " " if plate iron, breadth and thickness	9×42	1×2	" from $\frac{3}{4}$ th depth of Hold to lower edge of Sheerstrake	21	2
Distance of Frames from moulding edge to moulding edge all framed up	21	21			2

Inches.	Inches.	16ths.	Inches.	Inches.	16ths.
In ship.	In ship.	In ship.	per Rule.	per Rule.	per Rule.
required	required	required			

„ Sheerstrake, breadth and thickness *36* *30*

Butt Straps to outside plating, breadth and *1 1/2* *with plate*

Frames, Size of Angle Iron, single or double...	32	3	7	34	24	4	thickness	72	7	16.7.10
" " Reversed Iron, if to every frame)	32	23	6	3	24	6	Gunwale Plate or Stringer on ends of Upper	32	10	30
" " every frame)	32	23	6	3	24	6		32	10	30

Floors, depth and thickness of Floor Plate at mid line	19	✓	8	14	✓	8	Deck Beams, breadth and thickness	42	3	✓	8
							Angle Iron on ditto	42	3	✓	8

„	Ditto	ditto	at Bilge Keelson	8	✓	8	3 3/4	✓	8	Stringer or Tie Plates fore and aft, on Upper Deck Beams, outside Hatchways ..	10 1/2	9 1/2	9 3/4	8
„	Size of	Reversed	Angle Iron, and)	8	✓	8	3 3/4	✓	8	Diagonal Tie Plates on ditto	10 1/2	9 1/2	9 3/4	8

No. <i>one</i> at top of Floor Plate	3	22	6	3	22	6	Diagonal Tie Plates on	into.....	102	30	14	8
Beams, Deck (N ^o . <i>55</i>) <u>double Angle Iron,</u>	12	4	12	6	Planksheer, materials and scantlings	<i>Bentley Mackenzie</i>					
					Waterway, ditto ditto							

Plate, Tee, or Bulb Iron	02	1	02	0	Waterway	into	into	Free space
„ „ double on single Angle Iron, } on at edge	34	24	6	24	5	Flat of Upper Deck, thickness and material.			Pin 32 32 how fastened to Beams 34 34 Fe. nuts

.., average space between 42 ins 42 ins
Hold, or Lower Deck (No 22)
Ceiling betwixt Decks and in Hold, thickness and material..... Batten

double Angle, Tee, Plate, or Bulb Iron	62	✓	✓	62	✓	6	Clamps or Spirketting	ditto.....	12	8	12	8 as per detail
double or single Angle Iron	23	23	1	23	23	1	Stringer Plates on ends of Hold or Lower)					

on upper edge....	24 54 6	22 24 3	Deck Beams, breadth and thickness	24 8	24 8
,, average space between	42 8 4 ins	42 8 4 ins	Stringer or Tie Plates fore and aft outside	24 2	24 2

Paddle, sided and moulded,	_____	thick-		Hatchways, on Hold or Lower	102	8	194	8
ness of Plate _____	size of Angle Iron	_____	_____	Deck Beams				
				Stringers in Hold	13	3	4	13

Keelson, single or double plate, box, or intercostal *See Section* Flat of Lower Deck, thickness and material *See the same*

"	Size of Plates	13	r	y	12	Main piece of Rudder, diameter at head	13	12	14	12
"	Size of Angle Irons	4	4	y	4 3/4	" " " at heel	3 3/4	3 3/4	3 3/4	3 3/4

Side, single or double, plate, box, or intercostal — — — — — (Can the Header be unsheathed about 100)
 Bilge (No. One Angle Iron) at each Bilge, } 4 3 4 3 4 3 Bulkheads, No. 5 Thickness of 1/16 9/16
 single or double

Transoms, material Iron or, if none, in what manner compensated for. „ Height up to upper deck
 „ how secured to the sides of the ship Double framed broad line

The Frames extend in one length from heel to gunwork rivetted through plates with $(3\frac{1}{8}$ in.) rivets, about $(-3$ in.) apart.

The reverse angle irons on the floors extend in one length across the middle line from top of spirit level plate on one side to the same height on the other alternately with the beams.

Zeelson, how are the various lengths of plates or angle irons connected? *By 4 struts double riveted*

plates, Garboard, double rivetted to keel, double at upper edge, with rivets (1 $\frac{3}{4}$ in.) diameter, averaging (4 $\frac{3}{4}$ in.) apart.

Edges from Garboards to upper part of bilge, worked clenchler, double ~~or single~~ rivetted; with rivets ($\frac{3}{4}$ in.) diameter, averaging ($\frac{3}{4}$ ins.) apart.

Do the butt straps lap over and rivet through the lands of the stake below? *No*

„ Edges from bilge to sheerstrake, worked ~~carvel with a lining piece () thick, or clencher, double or~~ single rivetted ; with rivets ($\frac{3}{4}$ in.) diameter.

Edges of Sheerstrake. double or single rivetted? At upper edge $3/4$ inch 2 in. At lower edge $3/4$ inch 3 in.

Butts from bilge to planksheers, worked carvel with butt straps (8/16) thick, double ~~single~~ rivetted; with rivets (3/4 in.) diameter,

averaging (3 ins.) apart. Breadth of laps in double rivetting (4 1/4) Breadth of laps in single rivetting (2 3/4)

Planksheer, how secured to the plating of the sides (Explain by sketch) *See Section*

Waterway " " planksheer and to the Beams if necessary.

Deck Beams, how secured to the side? *Welded* *Welded* *Welded to frames*

Hold or Lower Deck ditto Dr Dr Dr Dr

What description of Iron is used for the Frames Beams Keelsons Ties and Stringers Plates Outside Plating, &c? Galvanized Iron

Manufacturer's name or trade mark *L. W. B. Walker Brown plates Shallow*

We certify that the above is a correct description of the several particulars therein given.

Donor's Signature *[Signature]* Surveyor's Signature *[Signature]*

IRON 438-0338

Workmanship. Are the laps of the cleanchwork in all cases in breadth at least five and a half times the diameter of the rivets in double rivetted edges and butts, and at least three and a quarter times the diameter of the rivets where single rivetting is admitted? *Yes*
Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *Yes*
Do the fillings between the ribs and plates fill in solid with single pieces? *or are they in short lengths of various thicknesses?* *Yes*
Do the holes for rivetting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* and are the rivet holes well and sufficiently countersunk in the outer plate? *Yes*
Are there any rivets which either break into or have been put through the seams or butts of the plating? *The upper & lower edge holes only.*

Her Masts, Bowsprit, Yards, &c., are in *good* condition, and sufficient in size and length. *Wood.* (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.)

4184 *En*

She has SAILS. *and others as usual*

No.	CABLES, &c.	Fathoms.	Inches.	Tested to Tons.	ANCHORS, and their weights.	No.	Weight &c.	
							Stock	Tested to Tons.
/ Fore Sails,	<i>Leiston Mowing Machine</i>				<i>Sunderland Mowing Machine</i>			
/ Fore Top Sails,	Chain	240	1 3/4	34	Bowers	1	17.0.0	18 1/2
/ Fore Topmast Stay Sails,	Hempen Stream Cable	90	1 1/4		<i>Rodgers Patent</i>	1	16.3.0	18 3/4
/ Main Sails,	Hawser	80	1 1/8		Stream,	1	14.0.0	16
/ Main Top Sails,	Towlines	90	9		Kedges,	1	3.1.0	
and	Warp	90	5 1/2			1	1.3.0	
	All of <i>good</i> quality.	90	3 3/4					

Her Standing and Running Rigging *Wire & Hempen* sufficient in size and *good* in quality.
She has *One* Long Boat and *four others*
The present state of the Windlass is *efficient* Capstan *D. W.* and Rudder *and* Pumps *efficient*

Order for Special Survey DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought *Specially*
No. *118* Surveys held 2nd. On the plating during the progress of rivetting *Surveyed while building*
Date *14 January 1864* while building 3rd. When the beams were in and fastened, and before the decks were laid *from 2nd July 1864.*
Order for Ordinary Survey as per 4th. When the ship was complete, and before the plating was finally coated *to 30th June 1865.*
No. *✓* Section 18. 5th. After the ship was launched
Date *✓*

State if she has a *Span Deck* *Full* Poop *65ft 6ins* and Forecastle *38ft 6ins.*

General Remarks,

The accompanying letter is in accordance with the Builders request attached to the Report, the extra longitudinal strength referred to therein is the Main Nelson and the Spirketting plate on the Hold Beams, the work generally is well performed and the improvements recommended in conjunction with Mr. Martin on his visit to this district in 1864. have been carefully and satisfactorily attended to.

In what manner are the surfaces preserved from oxidation? Inside *Painted to turn off filges and painted above.*
Ditto ditto Outside *Painted with fine coats of paint*

I am of opinion this Vessel should be Classed *B. 1.*

The amount of the Fee£ *5:0:0* is received by me,

Wm Wm Special£ *36:1:0*

Certificate (if required)£ *41:1:0*

Committee's Minute *4th July* 18 *65*

Character assigned *B*

Edwin Bonchman
This Report is received 19 July 1865
B-1 class
3rd July 1865
Lloyd's Register Foundation