

No. 9930 Survey held at Sunderland Date August 3<sup>rd</sup> 1870  
on the Barge "Berwickshire" Master L. Wilson  
Tonnage under tonnage deck 492.28 Built at Sunderland When built 1869/70 Launched 12<sup>th</sup> July 1870.  
32 House in beam 9.69 By whom built Pickersgill Owners G. Trail and Sons  
Ditto of poop Break spar deck 30.82  
Total tonnage 532.79 Port belonging to London Destined Voyage Aden  
(Beam Space 14.50) \*  
If surveyed while Building, Afloat, or in Dry Dock While Building

Length as per section 39 ..	Feet. 144	Inches. 0	Extreme Breadth Outside	Feet. 29	Inches. 6	Depth of Hold .....	Feet. 18	Inches. 0	Number of Decks One
Length of Keel .....	134					(Depth from limber-strakes to under side of lower deck beam .....			
<b>Scantlings of Timber.</b>									
<b>TIMBER AND SPACE .....</b>									
Floors .....	12 1/2	10 1/2	12 1/4	12 1/4	10 1/2	<b>Outside Plank.</b>			
1 <sup>st</sup> Foothooks .....	11 1/2	10 1/2	10	10 1/2	10 1/2	Garboard Strakes ..	4	3 3/4	Dimensions of Ship per Register, length 144.0 breadth 29.55 depth 18.05
2 <sup>nd</sup> Ditto .....	10	10	9	9 1/2	9 1/2	Garboard to Bilge ..	4	3 3/4	
3 <sup>rd</sup> Ditto .....	9	8 1/2	7 3/4	8 1/2	8 1/2	Bilge Planks .....	4 1/4	3 3/4	<b>Inside Plank.</b>
Top Timbers .....			6		6	Bilge to Wales ....	4	3 3/4	
Deck } No 29 Average	4/6	10	10	9 1/2	9	Wales .....	5	5	Limber Strakes ...
Beams } Space }						Topsides .....	4	4	
Deck Beams, length amidships .....	27/9	12 1/4	12 1/4	11 1/4	12 1/4	Sheer Strakes .....	4	4	Bilge Planks .....
Hold } No 23 Average	4/6	12 1/4	12 1/4	11 1/4	12 1/4	Plank Sheers .....	4	3 3/4	Ceiling in Flat ....
Beams } Space }						Water } Upper Deck	11 1/2 x 11 1/2	68	Ditto Bilge to Clamp
Hold Beams, length amidships .....	27/10	14	14	13 1/2	13 1/2	Ways } Lower Deck			Hold Beam Clamps
Keel .....						Ditto, faying surface	7 1/2	7 1/2	Deck Beam Ditto ..
Scarphs of Ditto .....	6/-			5/9		against Timbers ..			Ceiling 'twixt Decks
Keelsons .....	15	16	14 1/2	14 1/2		Upper Deck .....	3	3	Hold Beam Shells ..
Scarphs of Ditto .....	4/-			6/9					Deck Beam Ditto ..
<b>Size of Bolts in Fastenings, distinguishing whether Copper, Yellow Metal, or Iron; also of Treenails.</b>									
Heel-Knee, & Deadw'd abaft	1 1/4	1 1/6	Transoms and throats of Hooks		1 1/8	1 1/6	Hold Beam		Waterway ..
Scarphs of Keel, N°. 2	15	15	Arms of Hooks .....		15	15	Bolts in		Knees .....
Keelson Bolts through Keel	1 1/8	1 1/6	Thro' Bilge & Limber Strakes		13	13	Deck Beam		Shelf or Clamp
at each Floor .....			Thickstuff over Double Floors		12 1/2	12 1/2	Bolts in		Waterway ..
Bolts thro' Heels of Timbers	14	14	Butt End Bolts .....		12 1/2	12 1/2	Nails or Bolts in Flat of Deck		Knees .....
against Deadwood .....			Pintles of the Rudder .....		3	3	Treenails 1 1/4. Inches		Shelf or Clamp

**Timbering.**—The Space between the Floor Timbers and Lower Foothooks is 12 1/2 inches. The Space between the Top-Timbers is 5 1/2 inches.  
The Floors consist of German Oak. The First Foothooks of German Oak, English Oak at ends  
The Second Foothooks of English Oak. The Third Foothooks and Top Timbers of English Oak  
The Shifts of the First and Second Foothooks are not less than 1/4 Main Part N. B. When less than prescribed by the Rule, state how many.  
The rest of the Shifts of the Frame are the same  
The Frame is well squared from First Foothook Heads upwards, and nearly free from sap, and from thence downwards, the frame is almost square  
The Frames are well bolted together to the Gunwale. N. B. If not, state how bolted.  
The Butts of the Timbers are well close together; their thickness not less than 3/5 of the entire moulding at that place.  
The Frame is cross chocked with a Butt at each end of the chock. The Main piece of Rudder is English Oak of Windlass is English Oak  
The Keel is American Elm The Main Keelson is Greenheart and free from all defects.  
The Stem, and Stern Post of English Oak and Teak The Transoms, Knight Heads, Hawse Timbers, and Aprons of English Oak Deadwood, of English Oak and are free from all defects.  
The Deck and Hold Beams of English Oak, American Elm and Greenheart 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 or to the First Foothook Heads  
From the above named Height to the Light Water Mark German and Dantrick Oak  
From the Light Water Mark to the Wales German and Dantrick Oak  
The Wales and Black-strakes are African Oak The Topsides & Sheer-strakes African Oak  
The Spirketting and Plank-sheers Dantrick Oak The Water-ways Upper Deck P. Pine & German Oak Lower Deck  
The Decks Yellow Pine State of good  
The Shifts of the Planking are not less than five 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 three between, and without step-butting.  
**Planking Inside.**—The Limber-strakes and Bilge-strakes are Dantrick Oak, small part African Oak  
The Ceiling, Lower Hold, and between Decks Dantrick & German Oak Shelf Pieces and Clamps German Oak  
**Fastenings.**—To Hold Beams An iron lodging knee to every beam end, and a pair of hanging knees to 20 Beams; 14 pairs of which are knee Riders.  
Deck Beams Barked and dovetailed to Shelf and Waterway with 24 hanging knees each side and in the Mast Rooms there is a lodging knee each side  
Number of Breasthooks Six Pointers one pair of wood Crutches three, & three handspikes above  
Butt End Bolts are of Yellow Metal in the Bottom. two Bolts in each Butt End one being through and clenched.  
Bilge and Limber Strakes Yellow Oak bolted through and clenched. Treenails of English Oak, African Oak in Flat How Made hand turned  
Thickstuff over Double Floors nil bolted through and clenched. General Quality of Workmanship very good  
We certify that the above is a correct description of the several particulars therein given  
Builder's Signature Wm. Pickersgill Surveyor's Signature Joseph Wilson



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

She has SAILS.			CABLES, &c.			ANCHORS, &c.		
N <sup>o</sup> .				Fathoms.	Size.	Tested to, as per Certificate.	N <sup>o</sup> .	Weight. Ex. Stock. Tested to, as per Certificate.
2	Fore Sails,		Chain .....	270	1 1/16	37 1/2		
2	Fore Top Sails,		Hempen Stream Cable ..	85	6 1/2		3	18-1-10 18-6-2 18-0-14 15-1-10 16-16-2-7
2	Fore Topmast Stay Sails,		Hawser <u>Chain</u> .....	60	7/8			
1	Main Sails,		Towlines .....	85	9		1	8-0-20
2	Main Top Sails,		Warp .....	85	5 1/2		2	4-0-0 2-0-0
and <u>others as usual</u>			All of <u>good</u> quality.					

Her Standing and Running Rigging Meri & Henry sufficient in size and good in quality.

She has One Long Boat and Others

The present state of the Windlass is Good Capstan Unich Rudder Good Pumps Good

Order for Special Survey,

No. 2225 Date July 1<sup>st</sup> 1869

Order for Ordinary Survey,

No.      Date     

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

- 1st. When the Frame is completed Keille under R.C. & Curcayda 11
- 2nd. When the Beams are put in, &c. July 1<sup>st</sup> 1869
- 3rd. { When completed, and before the plank be painted or payed July 1<sup>st</sup> 1869

### General Remarks

This Vessel is fastened with teenails and Yellow Metal bolts from keel to funnel, above which, namely, the bolts in raised Deck; also the ceiling bolts, and Chain and preventer bolts, are of properly Galvanised Iron. Wm. Perkins

There are a few African Oak teenails in the plank of this Vessel allowed by the Committee see letter dated 22<sup>nd</sup> Decr 1869.

Under ordinary circumstances this Vessel would be eligible only for the 9 and 1 Year grade, but at the request of the Builder a Special Survey was solicited with a view to claiming an additional Year under Circular No. 253. The Committee appointed Mr. Jas Martin to carry out this Survey after which they promised to consider favourably the claims for an additional Year if certain recommendations made by him were carried out, see letter dated 11<sup>th</sup> July 1870.

The recommendations made by Mr. Martin are now fully carried out

J.H.

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

If Sheathed, Doubled, Felted, or Coppered Yes, on felt to upper part of hull When last done July 1870

I am of opinion this Vessel should be Classed A1 please see remarks above

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

Wm. Special .....£ 25 : 18 : :

Certificate .....£ : : : :

Committee's Minute 12<sup>th</sup> August 1870

Character assigned A1 for 11 Years



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