No. 2443 Survey held at Aberdeen Date 12th February 18 69 Rec 1/3/69

on the Resolute Jr Master Stephens

Tonnage under tonnage deck 220 Built at Aberdeen When built 1869 Launched 11 Feb 1869

Ditto of ~~poop~~ Break ~~or spar deck~~ 9 By whom built Duthie & Co Owners Macbeath

Total tonnage 229 Tons Port belonging to Fraserburgh Destined Voyage Galatz

~~If~~ Surveyed while Building, and Afloat, ~~or in Dry Dock~~ Under Special Survey

Length as per section 39 .. Feet 116 Inches 6 | Extreme Breadth Outside Feet 24 Inches 0 | Depth of Hold ..... Feet 13 Inches 2 | Number of Decks 1

Length of Keel 109

(Depth from limber-strakes to under side of lower deck beam 7 feet)

Scantlings of Timber.

	Sided,	IN SHIP. Moulded. Middle.	IN SHIP. Moulded. Ends.	REQUIRED PER RULE. Sided.	REQUIRED PER RULE. Moulded. Middle.	REQUIRED PER RULE. Moulded. Ends.
TIMBER AND SPACE	23			21		
Floors ... double	9½ 10	9	9	7¾	7¾	7¾
1st Foothooks	8 8½	8½	8½	7¾	7¾	7¾
2nd Ditto	8½	8	8	7	7	7
3rd Ditto / Top Timbers	7½ 8	7	7	6½	6½	6½
Deck Beams } No 20 Average Space } 4 feet	8½	8½	7	8	8	6½
Deck Beams, length amidships	22 10					
Hold Beams } No 10 Average Space } 5½ feet	11	11	9½	10½	10½	9
Hold Beams, length amidships	22 10					
Keel	11	14	14	10¾	10¾	10¾
Scarphs of Ditto	5 0			4 9		
Keelsons	12½	14		11¾	11¾	
Scarphs of Ditto	5 0			5 0		

Outside Plank.

	In Ship. (Inches)	Required per Rule. (Inches)
Garboard Strakes ..	5½	5
Garboard to Bilge ..	4 to 5	3
Bilge Planks	3½	3¼
Bilge to Wales	3	3
Wales	4½	4¼
Topsides	3½	3¼
Sheer Strakes	3½	3¼
Plank Sheers	3½	3¼
Water-Ways { Upper Deck	9 x 7	
Water-Ways { Lower Deck	12½ x 6	
Ditto, faying surface against Timbers ..	5½	5½
Upper Deck	3¼	2½

Dimensions of Ship per Register,

length 116.5 breadth 24.0 depth 13.2

Inside Plank.

	In Ship. (Inches)	Required per Rule. (Inches)
Limber Strakes ...	3½	3¼
Bilge Planks	3½	3¼
Ceiling in Flat	3½	3¼
Ditto Bilge to Clamp	2½	2¼
Hold Beam Clamps ..	10½ x 2¼	3¼
Deck Beam Ditto ..	4½ x 2¼	3¼
Ceiling 'twixt Decks	2½	2
Hold Beam Shelfs ..	14 x 6¼	
Deck Beam Ditto ..	12¼ x 5½	

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

	Copper or YM. in Ship.	Iron in Ship.	Inches required per Rule
Heel-Knee, & Deadw'd abaft	1		1
Scarphs of Keel, No. 7	7/16		12/16
Keelson Bolts through Keel at each Floor	15/16		14/16
Bolts thro' Heels of Timbers against Deadwood	13/16		11/16

	Copper or YM. in Ship.	Iron in Ship.	Inches required per Rule
Transoms and throats of Hooks	15/16		14/16
Arms of Hooks	12/16		12/16
Thro' Bilge & Limber Strakes	11/16		11/16
Thickstuff over Double Floors	11/16		11/16
Butt End Bolts	11/16		11/16
Short Bolts in Ceiling		10/16	10/16
Pintles of the Rudder	2½		2¼

	Copper or YM. in Ship.	Iron in Ship.	Inches required per Rule
Hold Beam Bolts in { Waterway ..	13/16		12/16
Hold Beam Bolts in { Knees	13/16		12/16
Hold Beam Bolts in { Shelf or Clamp	13/16		12/16
Deck Beam Bolts in { Waterway ..		13/16	11/16
Deck Beam Bolts in { Knees		13/16	11/16
Deck Beam Bolts in { Shelf or Clamp		13/16	11/16
Nails or Bolts in Flat of Deck		5/8	11/16
Treenails .... Inches 1¼			1¼

Timbering.—The Space between the Floor Timbers and Lower Foothooks is 24.5 Inches. The Space between the Top-Timbers is 24.5 Inches.

The Floors consist of Baltic Oak 9 The First Foothooks of Baltic Oak 9

The Second Foothooks of Baltic & British Oak 12 The Third Foothooks and Top Timbers of Baltic & British Oak 12

The Shifts of the First and Second Foothooks are not less than 3½ Feet *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 well free from sap, and from thence downwards, the frame is Good

The _____ Frames are all bolted together to the Gunwale. *N. B. If not, state how bolted.*

The Butts of the Timbers are all close together; their thickness not less than 4/5 of the entire moulding at that place.

The Frame is well chocked with a Butt at each end of the chock. The Main piece of Rudder is E. Oak 12 of Windlass is E. Oak 12

The Keel is Eng & Amer Elm The Main Keelson is Greenheart 12 and is free from all defects.

The Stem, and Stern Post of British Oak 12 The Transoms, Knight Heads, Hawse Timbers, and Aprons of British & Baltic Oak 9 (doubled) Deadwood, of Baltic & Amer Oak 2 feet above rabbet of Keel and are quite free from all defects.

The Deck and Hold Beams of Baltic Oak 9 The Breasthooks of Iron The Knees of Iron

Planking Outside.—From the Keel to ~~the Height defined in Note to Table A~~ or to the First Foothook Heads } the Plank is American Elm

From the above named Height to the Light Water Mark Pitch Pine 10 (doubled)

From the Light Water Mark to the Wales Pitch Pine 10 (doubled) (10 doubled)

The Wales and Black-strakes are Dantzic Oak 10 (doubled) & 16 Oak The Topsides & Sheer-strakes in wake of hold beam fastenings Pitch Pine Sheerstrake 16

The Spirketting and Plank-sheers Baltic Oak 10 The Water-ways { Upper Deck Pitch Pine 10 Lower Deck Pitch Pine 10 (doubled)

The Decks Yellow Pine State of good

The Shifts of the Planking are not less than 6 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 Greenheart 12 and Dantzic Oak 10

The Ceiling, Lower Hold, and between Decks Pitch Pine 10 (doubled) Shelf Pieces and Clamps Greenheart 12

Fastenings.—To Hold Beams Seven Pairs of Iron Hanging Knees, and nine Pairs of Lodging Iron Knees.

Deck Beams Twenty Pairs of Iron Lodging Knees, and Ten Pairs of Iron Hanging Knees

Number of Breasthooks Four Pointers none Crutches Two

Butt End Bolts are of Yellow Metal in the Bottom. Two Bolts in each Butt End One through and clenched.

Bilge and Limber Strakes Yellow Metal bolted through and clenched. Treenails of Australian & Oak How Made Hand Sawed

Thickstuff over Double Floors Yellow Metal 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 [illegible] *Surveyor's Signature* [illegible]

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ABNS 0318

Wood.

2443. ABN.

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

Tested by R. Bunnell at Low Walker Newcastle upon Tyne 21 & 28th January 1859

Tested by R. Bunnell at Low Walker Newcastle upon Tyne 22 & 28th January 1859

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. Ex. Stock.	Test as per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
	Fore Sails,	Chain	120	1 1/16	20.6.0.0	1 1/16	20 3/10	Bowers	3	10.0.7 / 2.0.15	12.2.0.21	8.1.0	10 3/10
	Fore Top Sails,	Stream Chain	60	1 3/16						9.3.26 / 2.1.12	12.0.0.0	8.1.0	10 3/10
	Fore Topmast Stay Sails,	Hempen Stream Cable	70	7 1/2		6 1/2				8.2.0 / 1.3.24	10.12.2.0	6.0.0	8 2/10
	Main Sails,	Hawser	70	5 1/2		4		Stream	1	4.3.3		3.0.0	
	Main Top Sails,	Towlines	70	5									
		Warp	70	3 1/2				Kedges	1	1.3.2		1.2.0	

and All of good quality.

One Complete Set

Her Standing and Running Rigging Cabo Rope & Hemp sufficient in size and good in quality.

She has One 18 Feet Long Boat and One 16 Feet Pinnace

The present state of the Windlass is Good of E. Oak Capstan 1 Rudder Good of E. Oak Pumps 2 new & efficient

Order for Special Survey, No. 259 Date Sept 18th 1868

Order for Ordinary Survey, No. ____ Date ____

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

1st. When the Frame is completed. Built under special

2nd. When the Beams are put in, &c. Survey from the 7th Sept

3rd. When completed, and before the plank be painted or payed. Survey up to the 12th Feb 1869 35 Visits

General Remarks This Vessel is built of good and sound material for the 7 years grade, and is fastened with wrot Treenails, Yellow Metal and galvanized Iron bolts and dumps, in accordance with Rule Section 46, for an additional period of one year, and is fitted with a Raised Quarter deck, built in accordance with the Rules Section 38. Has 12 Pairs of diagonal Iron straps 4 x 3/16 let in the frame outside 6 to 8 feet apart on a square

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

If Sheathed, Doubled, Felted, or Coppered Yellow Metal on felt When last done 2nd February 1869

I am of opinion this Vessel should be Classed 8 A 1

The Amount of the Fee .....£ 3 :- :- is received by me,

Special .....£ 11 : 9 : -

Certificate ....£ - : - :

Feb 1869

J. W. Kettle

Committee's Minute 2nd March 18 69

Character assigned A 1 for 8 Years

A 1 for 8 Years

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