

18 MAY

Index No. 30727
(For London Office only.)

SURVEYS FOR FREEBOARD. No. 17959

Computation of Freeboard for Steamer, Sailing Ship, Tanker

Leaving a Poop, Bridge and a Forecastle

JOYOUS

(Type of Superstructures.)

Port of Survey Grimsby

Date of Survey 13-5-32

Name of Surveyor F. P. Palmer

Ship's Name

"JAMESON"

Nationality and Port of Registry

British
London

Official Number

147610

Gross Tonnage

3585

Date of Build

1924-4

Moulded Dimensions: Length 360.0, Breadth 49.75, Depth 26.00
 Moulded displacement at moulded draught = 85 per cent. of moulded depth 8733 (See letter) tons
 Coefficient of fineness for use with Tables 773

Particulars of Classification 100A1

No. 10.3-3.81

Depth for Freeboard (D)

Moulded depth ... 26.00

Stringer plate ... 03

Sheathing on exposed deck

 $T \left(\frac{L-S}{L} \right) =$

Depth for Freeboard (D) = 26.03

Depth correction

(a) Where D is greater than Table depth
(D-Table depth) R = $(26.03 - 23.97) 2.76 = +5.70$ (b) Where D is less than Table depth (if allowed)
(Table depth-D) R =

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B) 49.75

Standard Round of Beam = $\frac{B \times 12}{50} = 11.94$

Ship's Round of Beam = 12.00

Difference .06

Restricted to

Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.06}{4} \times \left(1 - \frac{.807}{1} \right) = .01197 = .012$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	29.50	29.50	7'-3"		29.50
" overhang ...	.29	.15			.15
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...	225.00	225.00	7'-6"		225.00
" overhang aft ...	.29	.22			.22
" overhang forward ...	.29	.15			.15
Fore enclosed ...	33.50	33.50	7'-3"		33.50
" overhang ...	.29	.15			.15
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...	289.16	288.67			288.67

Standard Height of Superstructure 7.10

" " R.Q.D. ✓

Deduction for complete superstructure 39.31

Percentage covered $\frac{S}{L} = 80.40$ " " $\frac{S_1}{L} = 80.30$ " " $\frac{E}{L} = 80.30$

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, Line B.

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = $75.67 \times 39.31 = -29.74$

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P. ...	45.96	1	45.96	38.00	38.00	1	38.00
$\frac{1}{2}$ L from A.P. ...	20.45	4	81.80	15.00	15.40	4	61.60
$\frac{3}{4}$ L " ...	5.05	2	10.10	4.00	3.85	2	7.70
Amidships ...	0.00	4	0.00	0.00		4	0.00
$\frac{3}{4}$ L from F.P. ...	10.10	2	20.20	11.50	9.13	2	18.26
$\frac{1}{2}$ L " ...	40.90	4	163.60	35.50	36.54	4	146.16
F.P. ...	91.92	1	91.92	101.00	101.00	1	101.00
Total ...			413.58				372.00

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{75-S}{2L} \right) = \frac{40.58}{18} \left(\frac{75-40}{2 \times 360} \right) = 2.31 \times .35 = +.81 = +.79$

If limited on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 26.03

Summer freeboard = 3.33

Moulded draught (d) = 22.70

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 5.67 + 5¾

Addition for Winter North Atlantic Freeboard (if required =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta = 9042$

Tons per inch immersion at summer load water line

T = 35.38

Deduction = $\frac{\Delta}{40T}$ inches

= 6.39

6½

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

 $\frac{773+68}{1.36} = \frac{1.453}{1.36}$

Depth Correction ... 5.70

Deduction for superstructures ... 29.74

Sheer correction ... 79

Round of Beam correction ...

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. ...

6.49 29.74

Summer Freeboard = 4

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc ...	12¼
Fresh Water Line " " ...	6½
Tropical Line " " ...	5¾
Winter Line below " " ...	5¾
Winter North Atlantic Line " " ...	

Tropical Fresh Water Freeboard ...	3.4
Fresh Water " " ...	2.3¾
Tropical " " ...	2
Winter " " ...	2
Winter North Atlantic " " ...	

19 MAY 1932

MARKING FORM

RECEIVED - 1 SEP 1932

MARKING FORM

RECEIVED

W443-0074 2/2

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway			No. 1	No. 2	No. 3	Cross Bunkers	Bunkers	No. 2	No. 3	Bunkers
Dimensions of Hatchway			27'x18'	27'x18'	18'x16'	12'0"x3'6"	6'9"x3'6"	27'x18'	18'x16'	8'6"x11'0"
COAMINGS	Height above Deck		3'-0"	9"	9"	9"	9"	2'-6"	2'-6"	2'-6"
	Thickness	Sides	1/4"	9/32"x50	9/32"x50	9/32"x50	9/32"x50	1/4"	1/4"	1/4"
	Stiffeners	Ends	7x3"x4"x13/16"	13/16"	13/16"	13/16"	13/16"	7x3"x4"x13/16"	13/16"	13/16"
	Brackets, Stays		2'-2"					2'-2"		
HATCH BEAMS	Number		5	5	3			5	3	
	Spacing		4'-6"	4'-6"	4'-6"			4'-6"	4'-6"	
	Scantling and Sketch		15'x35'	15'x35'	13'x34'			12'x30'	12'x30'	
Bearing Surface			3 1/2"	3 1/2"	3 1/2"			3 1/2"	3 1/2"	
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling and Sketch									
Bearing Surface										
HATCH COVERS	Material									
	Thickness									
	How fitted									
	Bearing Surface									
Spacing of Cleats			24"	24"	24"	22"	22"	24"	24"	22"
Number of Tarpaulins			4	2	2	2	2	4	4	2
<p>*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/></p> <p>Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/></p> <p>Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/></p>										

Particulars of fiddley, funnel and ventilator coamings:— All fiddley gratings are covered by strong steel plate lashed down. The skylight and engine room ventilators are in good and efficient condition. The engine room skylight is of steel and strongly constructed.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways:—

None.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

No.	Location	Size	Material	Remarks
1	Vent on forecabin deck	6" diam	Cowings	36"x30" led to forepeak
2	" " "	"	"	36"x36" " do hold "
2	" " bridge	12"	"	36"x36" " do hold "
2	" " "	18"	"	36"x40" " do hold "
2	" " "	18"	"	36"x40" " do hold "
2	" " "	6"	"	36"x30" " do hold "
2	" " "	21"	"	Do not close strongly constructed led to cross bunker & main deck.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

No.	Location	Size	Material	Remarks
1	CP air pipe on fore deck	25" high x 4" diam	from forepeak	No. 1 tank
2	" " "	" " "	" " "	" " "
2	" " bridge deck	13" high x 2 1/2"	" " "	" " "
2	" " "	22 1/2" x 2 1/2"	" " "	" " "
2	" " "	22" x 2 1/2"	" " "	" " "
2	" " "	25" x 5"	" " "	" " "
1	" " " prop deck	9" x 5"	" " "	Afterpeak

Wood plug & canvas cover provided. No closing appliances fitted. Brass screw plugs fitted in openings. No closing appliances fitted. provided.

Particulars of Gangway Cargo and Coaling Ports:—

One ash shoot (15"x15") on starboard side in bridge lower deck strongly constructed of steel plates and angles. Opening in ship's side 18'x16" bottom of opening about 6" below freeboard deck.

Particulars of Scuppers and Sanitary Discharge Pipes. One scupper each side in fore & aft walls.

One Sanitary discharge/pipes (SS) from Captain's W.C. Opening thro' ship's side 2'-0" above perboard
 One " " (ps) " Engine " " " " 2'-0" " "
 One " " (ps) " " " " " " 2'-0" " "
 All " " pipes are fitted with gunmetal non-return storm valves.

Particulars of Side Scuttles :

6-10" diam scuttles each side in poop of substantial construction and fitted with lined deadlights.

Particulars of Guard Rails :—

Forecastle front sides
Bridge ends sides
Poop front and sides

Particulars of Gangways, Lifelines, etc. :—

~~None fitted.~~
The crew are accommodated in the poop.

Efficient steel wire lifeline with stanchion screws each end,
fitted on port & ~~starboard~~ side to non stanchions
supporting steering rods

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well	36'-0"	4'-0"	2 @ 3'-0" x 1'-6" 1 @ 3'-9" x 1'-6"	3	14.625 sq ft	10.1 sq ft
Forward Well	36'-0"	4'-0"	2 @ 3'-0" x 1'-6" 1 @ 3'-9" x 1'-6"	3	14.625 sq ft	10.1 sq ft

State position of each freeing port ... } After Well:— 11-6, 14-0 and 26-3 from poop head to after end of opening } Height 18
(F. and A. position and height above deck edge) } Forward Well:— 4-6, 13-6 " 25-3 " bridge " " " " } above deck
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— After Well:— Central hinged plate shutters fitted

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such: *After Well, Central hinged plate shutters fitted.*
Forward " One rail bar fitted across opening.

Additional area where sheer is less than standard.

Additional area where sheer is less than standard.

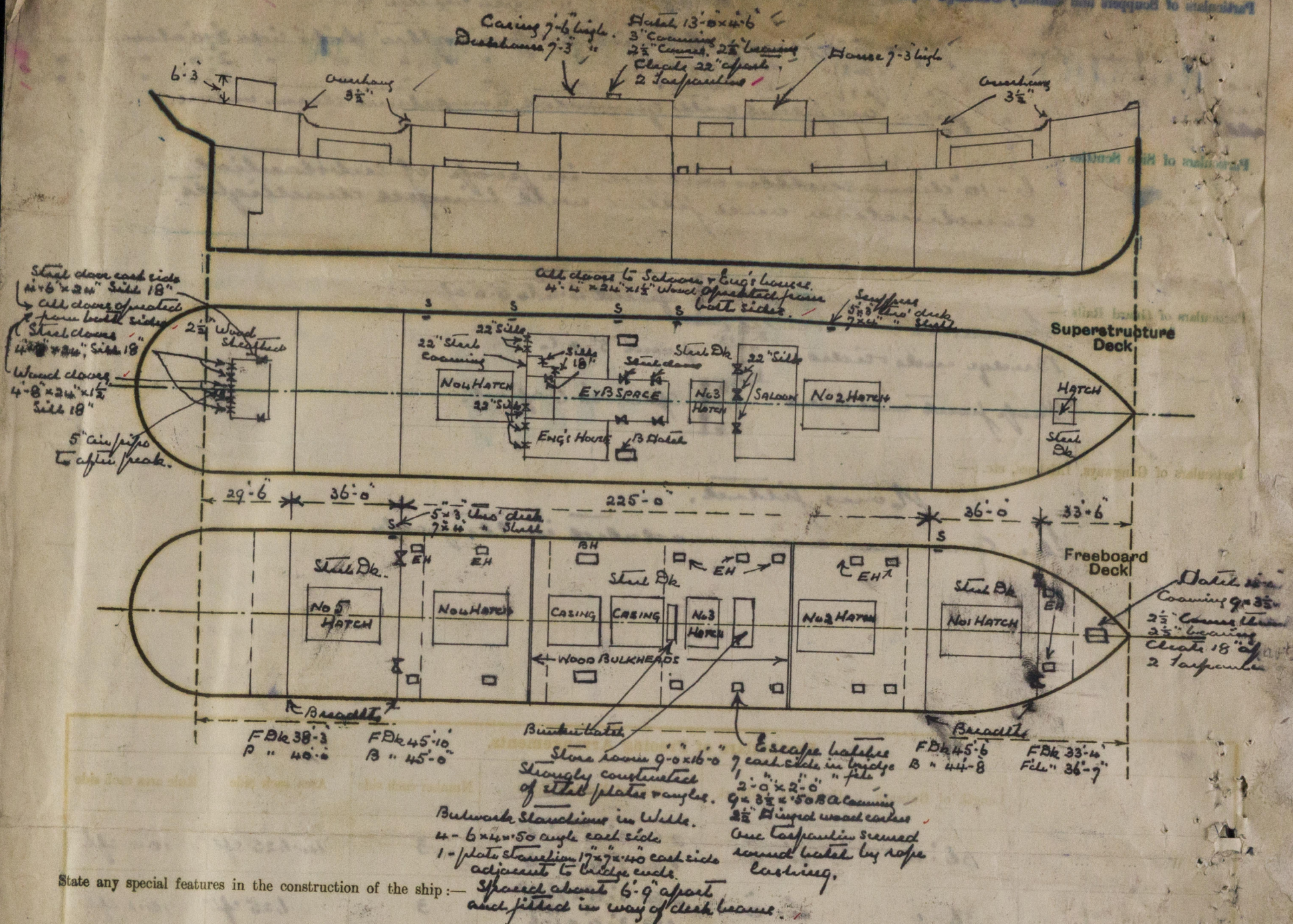
Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	None	38	6 x 3 x 40 a.	30"	Large top & bottom none	✓	7'-3"	
Raised Quarter Deck Bulkhead ...	—	—	8 1/2 x 3 x 42 BA	at ends of string	Plates at bottom	Two	—	—
Bridge, After Bulkhead	None	32	6 x 3 x 40 a. BA	30"	none	5'-0" x 3'-0"	22"	7'-6"
Bridge, Forward Bulkhead	None	40	8 1/2 x 3 x 42 5 x 3 x 40 a.	30" 32"	Large top & bottom none none	Two	✓	7'-6"
Forecastle Bulkhead	None	30	8 x 3 x 40 BA { Sides of door	—	Plates at bottom	10' x 2'-6"	18"	7'-3"
Trunk, Aft	—	—	—	—	—	—	—	—
Trunk, Forward	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	18" x 38	30	4 x 3 x 38 a	3'-0" to 3'-6"	✓	none	✓	7'-6"
Exposed Machinery Casings on Super- structure Decks	21" x 38	26	4 x 3 x 38 a	3'-0" to 3'-6"	Plates at top	Two each side 6'-6" x 2'-0" One on front side 4'-4" x 2'-0"	22" 18"	7'-6"
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	—	—	—	—	—	—	—	—
Deckhouses on Flush Deck Ships ...	—	—	—	—	—	—	—	—

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	✓
Raised Quarter Deck Bulkhead	✓
Bridge, After Bulkhead	Sliding boards 2 1/2" thick fitted full height of openings in angle base forming channels substantially to bulkhead
Bridge, Forward Bulkhead	✓
Forecastle Bulkhead	Hinged wood door 2" thick, operated from both sides.
Exposed Machinery Casings on Free-board or Raised Quarter Decks	✓
Exposed Machinery Casings on Superstructure Decks	Two hinged steel doors each side, operated from both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	One " Wood " (pc) 1 1/2" thick " " " " " "
Deckhouses on Flush Deck Ships	✓

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:



Survey held afloat and compared to the plans as stated on the report.

It is not intended to dry dock the vessel at this time.

Builder's name and yard number W. Dobson & Co. Newcastle. No 221.

Names of sister ships ☒

Owners Marine Steam Navigation Co. Ltd. (Marine Steam & Co. Ltd. regd)

Fee £ 11 : 18 : 0

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