

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES, HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey *Sunderland.*Date of Survey *1st Decr. 1905.*Name of Surveyor *Robt Howie***ATHENIC**

Ship's Name. *S.S. "ROYAL CROWN"*
Keeps Sunderland S.B. Co. No. 233
 Number in Register Book

Gross Tonnage.

Official Number.

Type of Ship.

Date of Build.

Particulars of Classification.

*Single Dk.**1905**100 A1**(Class Contemplated)*

Registered Length as shown by ship's register. *370'* Breadth *50'* Depth *26'2"*
 Length on Loadline *370* *- Correction for ord. flows in boiler space. 1.06*
 Breadth *50* *+ 1/8" excess of sheer .64*
18500 *25.748*

Depth *25.748* *- Tonnage from top of ordinary flows in B.S. to top of C.D.B. - 8.0*
 Tons *3883.06*
 und. Dk. *3825.06*
+ peaks 53.5
3878.56
47619000 387856 (.81)

Co-efficient of fineness *.81*
 Any modification necessary [Para. 4 (a) to (e)] *Cellular S.B. & deep framing - .01*
 Co-efficient as corrected *.8*

Sheer { Stem... *96* } *140 ÷ 2 = 70* ... Mean
 at { Sternpost... *44* }
 Sheer at 1/2 of the length from { Stem *54 3/4* } *77 3/4 ÷ 2 = 38.875* Mean
 { Sternpost *23* }
 Gradual Sheer *72.6*
 Standard Sheer (Table, Para. 16) *69*
 Difference *23 47* *÷ 4 = 5 5/4*
- 52

Rise in Sheer from amidships { At front of bridge house...
 [Para. 16 (e)] { *Lowest point of sheer amidships.*
 At after end of forecastle

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C *4' 4 3/4"*
 Correction for Length, if required (Para. 12 and 19) *+ 2 1/2"*
4' 7 1/4"
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 19) *6' 9 1/4"*
 Difference *2' 2 1/4"*
 Percentage as below *35.33*
25.75
26 x 35.33 = 9.18
100

Correction for R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house

Allowance for Deck Erections *- 9 1/4"*

	Length.	Length allowed.	Height.
Forecastle	<i>34' 42"</i>	<i>34' 42"</i>	<i>7'</i>
Bridge House	<i>100'</i>	<i>100'</i>	<i>7' 3"</i>
+ Raised Qr. Dk.			
Poop	<i>25' 92"</i>	<i>25' 92"</i>	<i>7' 3"</i>
Total	<i>160' 34"</i>	<i>160' 34"</i>	<i>43' 33"</i>
Length of Ship		<i>370'</i>	

Corresponding percentage { *35.33%*
 (Para. 11, 12, or 18.)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line above centre of Disc
 Indian Summer Line " " "
 Winter Line below " "
 Winter North Atlantic Line " " "

* If the frames skin planking or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In vessels obtaining an allowance for deck erections under Para 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.

‡ State dimensions of freeing port area on back of this form.
 § Marked in accordance with Sec. 437, M. S. Act, 1894.

Moulded Depth as measured *27' 9"*

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline *370*
 Length in Table *333*
 Difference *37*

Correction for 10ft., Table A. *1.4* Table C. *.7*
 × Difference divided by 10 *5.18* (if required.) *2.59*
 If 1/10ths length covered and Poop or R.Q.D. is connected to Bridge divide by 2 for vessels coming under para. 11 *+ 5 1/4* *+ 2 1/2*

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered *43 1/2% covered.*
 Thickness of usual wood deck, less stringer *4' 1/2" = 3 1/2"*

Day - 1 1/2"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships *47' 11"*
 Round of Beam *12"*
 Normal round *12*
 Difference *✓ ÷ 2 =*

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Proportion of Deck uncovered (Para. 17)

Freeboard, Table A *6' 9 1/2"*Correction for Sheer *- 5 1/4"*Correction for Length *+ 5 1/4"*Allowance for Deck Erections *- 6' 0"*

Correction for Round of Beam

Correction for Iron Deck (if required) *- 1 1/2"*

Additions for non-compliance with provisions of {
 Para. 11 (e) and (f) ‡

Other corrections (if any)

Winter Freeboard *5' 10 1/2"*Summer Freeboard *5' 5 1/4"*

N. A. Winter Freeboard

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. *+ 2"*

Winter Freeboard from deck line § *6' 0 1/2"*Summer " " " *5' 7 1/4"*

N. A. Winter

5' 8" *5' 7 1/2"* *8"**5 1/2"* *5 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"**4 1/2"* *4 1/2"*

DELETE WORDS WHICH DO NOT APPLY.

The Crew ~~are~~, *are not*, berthed in the bridge house.

The arrangements to enable them to get backwards and forwards from their quarters ~~are~~, *are*, ~~satisfactory~~.

Length of Bulwarks in well

Area of freeing ports required by Para. 11 (f) each side of vessel

Sq. Ft.

Freeing Ports (each side of vessel)

Para. 12

Ft. Tenths. Ft. Tenths. No. }

x x
x x

Sq. Ft.

Total deficiency =

Sq. Ft.

Total excess =

"

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop?

Do. do. do. in the Raised Quarter Deck?

Do. do. do. Bridge House?

Do. do. do. Forecastle?

To what height do the Reverse Frames extend? *Deep Bulb angle frames + web frames.*

Has the Poop or Raised Quarter Deck an efficient ~~Iron~~ *steel* Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead *Shifting boards full height also teak doors.*

Is the Poop or raised Quarter Deck connected with the Bridge House?

State whether the Bridge House efficiently covers the Engine and Boiler Openings

Has the Bridge House an efficient ~~Iron~~ *steel* Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead *Strong hinged steel doors.*

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb

Plates, etc. *Bulb angles 8" x 3 1/2" x 20" & 9" flange alternately, 30" apart, bracketed top & bottom, 20" plating.*

Has the Bridge House an efficient ~~Iron~~ *steel* Bulkhead at the after end?

How are the openings closed? *Shifting boards 3' 7 1/2" in height with efficient stay in centre of 6 ft opening*

Is the forecastle at least as high as the main or top-gallant rail?

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end?

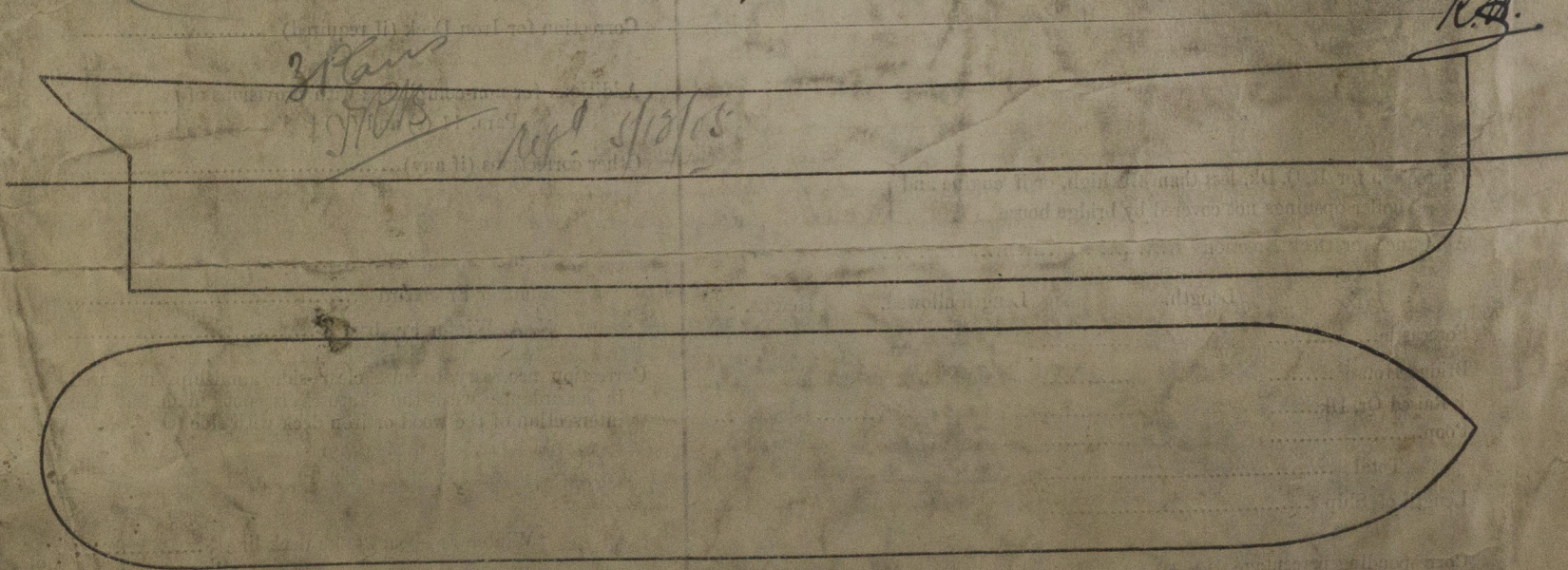
Are the Hatchways efficiently constructed? *Yes* What is the thickness of the Hatches? *3"*

State the height of the Coamings in fore well? *11-46", 12-40"* In after well *40"*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed?

State any special features in the construction of the Vessel *None.*

Vessel constructed in accordance with the approved plans forwarded herewith (3), this a verification of Sld. Report No. 22376.



Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners

Address

Fee £

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