

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey *Rotterdam*
Date of Survey *Building*
Name of Surveyor *R. L. L. L. L.*

Jonker & Stans No 133

Ship's Name.
S. S. Proland
Number in Register Book

Port of Registry and Nationality.
Norwegian

Official Number.
✓

Gross Tonnage.
1297

Date of Build.
1916

Particulars of Classification.
+ 100 A 1 contemplated

| Registered dimensions from Ship's Register. | LENGTH. | BREADTH. | DEPTH. | UNDER DECK TONNAGE. |
|---|--------------|---------------------------------|---|----------------------------|
| | <i>234.7</i> | <i>36.5</i> | <i>15.8</i> | <i>1132.88</i> |
| Length on LOADLINE. | <i>234.</i> | Frame Depth 7 Rule <i>4 1/2</i> | Ceiling <i>fitted</i> Sheer <i>4.61</i> | Peak Tanks <i>included</i> |
| CORRECTED DIMENSIONS. | <i>237</i> | <i>36.08</i> | <i>16.41</i> | <i>1132.88</i> |

Moulded Depth as measured..... *18'0"*

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..... | <i>234.</i> |
| Length in Table | <i>216</i> |
| Difference | <i>21</i> |
| Correction for 10ft., Table A. | <i>1.1</i> |
| × Difference divided by 10 | <i>2.31</i> |
| If 10ths length covered divide by 2 | <i>+ 2 1/4</i> |

CORRECTION FOR IRON DECK.

| | |
|---|----------------|
| Proportion covered, if less than 1/10ths length covered | <i>43</i> |
| Thickness of usual wood deck, less stringer | <i>3 1/2</i> |
| | <i>- 1 1/2</i> |

CORRECTION FOR ROUND OF BEAM.

| | |
|---|-------------------------|
| Breadth at Gunwale amidships..... | |
| Round of Beam..... | <i>9" over 36" beam</i> |
| Normal round..... | |
| Difference | <i>÷ 2 =</i> |
| Proportion of Deck uncovered (Para. 19) | |

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

Co-efficient of fineness..... *807*
Any modification necessary [Para. 4 (a) to (e)]* *Call on*
Co-efficient as corrected *79*

Sheer { Stem..... *6'3 1/4"* } $9 \times 2 1/4 \div 2 = 55.12$ Mean *33.7*
at { Sternpost..... *2'11"* }
Sheer at 1/2 of the length from { Stem *3'4 1/2"* } $5 \times 1 1/2 \div 2 = 30.75$ Mean *55.9*
{ Sternpost..... *1'9"* } $\div 55 = 53.9$
Gradual mean Sheer *55.51*
Standard mean Sheer [Table, Para. 18] *33.7*
Difference..... *21.81* $\div 4 = -5 1/4$
§ If limited as Para. 18 (f)..... *4*

Rise in Sheer from amidships { At front of bridge house..... *5'3 1/4"*
[Para. 18 (e)] { At after end of forecastle *3'9"*

Fall in Sheer { *✓* } $\div 2 =$
Para. 18 (d) {
Length uncovered

ALLOWANCE FOR DECK ERECTIONS:—

| | |
|---|----------------|
| Freeboard, Table C..... | <i>1.0</i> |
| Correction for Length, if required (Para. 12, 13, and 14) | <i>+ 1</i> |
| Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } | <i>3.1 1/4</i> |
| Difference | <i>2.0 1/2</i> |
| Percentage as below..... | <i>27.1%</i> |

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections

| Length. | Length allowed. | Height. |
|--|-----------------|------------|
| Forecastle..... <i>23'8"</i> <i>BA=13'5"</i> <i>23'8"</i> | <i>23'8"</i> | <i>4.0</i> |
| Bridge House..... <i>5'5"</i> <i>6'5"</i> <i>5'8"</i> <i>46"</i> | <i>5'8"</i> | <i>4.0</i> |
| † Raised Qr. Dk..... <i>4'</i> | | |
| Poop..... <i>19'7"</i> | <i>19'7"</i> | <i>4.0</i> |
| Total | <i>101.96</i> | |
| Length of Ship | <i>237</i> | <i>.43</i> |
| Corresponding percentage { <i>27.1%</i> } | | |
| (Para. 14, 12, 13, or 14) | | |

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.
In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and sternpost.

† State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey should be reported, and load draft forward and aft should be reported.

MARKING REPORT
21.12.22

MARKING REPORT
RECEIVED 11-1-17

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W459-0134

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Cull angle frames*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes Steel Bulkhead*
 Give particulars of the means for closing the openings in Bulkhead *None*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Five steel doors on hinges*
 What is the thickness of the Bridge Front plating? *.32* and Coaming plate? *.36*
 Give scantlings and spacing of the Stiffeners *P. 4 x 3 x .50*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Steel doors closed by strongbacks*
 Is the *P* astle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Steel Bulk*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Bridge House*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Casing above Bridge fore*
 Give thickness of plating; scantlings and spacing of Stiffeners *.32 to .25 L 3 x 2 1/2 x .30 spaced 30"*
 What is the height of the exposed Casings? *4'-0"* Are suitable means provided for closing all openings in them in bad weather? *Yes*
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *See below*

| Position and Size. | | 23'-0" x 15'-0" | | 23'-0" x 15'-0" | | 23'-0" x 15'-0" | | 21'-0" x 15'-0" | |
|-------------------------------|------------------------------|---|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| Item. | | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. |
| COAMING. | Height above top of DECK | <i>40" for all Hatch coamings above Dk.</i> | | | | | | | |
| | Thickness { Sides..... | <i>.44</i> | " | " | " | | | | |
| | Ends..... | <i>.44</i> | " | " | " | | | | |
| SHIFTING BEAMS OR WEB PLATES. | Number | <i>Two rails for all Hatchways.</i> | | | | | | | |
| | Section and Scantlings | <i>18 1/2 x .40" four angles 3 1/2 x 3 x .42"</i> | | | | | | | |
| | Material | <i>Steel</i> | | | | | | | |
| * FORE AND AFTERS. | Number | <i>Three for all Hatchways.</i> | | | | | | | |
| | Section and Scantlings | <i>8" center</i> | | | | | | | |
| | Material | <i>7" Sides 7 1/2 x 7" and 7 x 6 1/2"</i> | | | | | | | |
| HATCHES | Thickness | <i>2 1/2" all Hatchways</i> | | | | | | | |
| Remarks..... | | | | | | | | | |

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake?

Strake between Main and Bridge Sheerstrakes?

Delete the words { The Crew are, are not, berthed in the bridge house. *Poop*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory. *Under gangway*

Length of Bulwarks in well *forward 69' aft 64' 1"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel =

Sq. ft.

Ft. Tenths. Ft. Tenths. No.

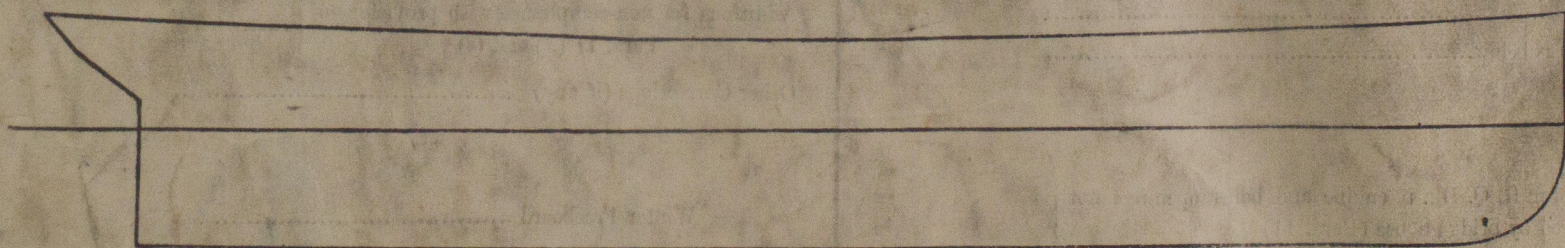
each well. 3' x 1.9 x 3

Freeing Ports (each side of vessel) =

Sq. ft.

Total deficiency or excess =

Sq. ft.



The plans approved have been followed Application form. attached to this report.

Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel

The vessel has been constructed in accordance with the approved plans forwarded for reference.

Owners *Messrs. Aktieselskabet Chr. Christoffersen & Co.*

Address *Breivik*

Fee £ *37.80* : must be Received by me *P. Remmenburg*



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