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No. 11686.

# LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## SURVEYS FOR FREEBOARD.

WED. OCT 16 1891

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR DECK.

Port of Survey WEST HARTLEPOOL

Date of Survey While building

Name of Surveyor W. B. Hambro

an vessel No. 257 built by Messrs. Furness with H.

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<u>Manchester Exchange</u>	<u>✓</u>	<u>✓</u>	<u>Spar Deck</u>	<u>1901.</u>	<u>+ 100 A 1 "Spar deck"</u> <u>(contemplated)</u>

Registered Length 359.5 Breadth 48.2 Depth 28.2  
Length on Load Line..... 359.5  
Breadth ..... 48.2  
Depth ..... 28.2  
Tons.  
Und. Dk.  
x 100 3894.91  
22.0  
3916.91

Moulded Depths as measured to main beam 22' 11 1/2"  
to Spar deck 30' 11"

Co-efficient of fineness ..... .80  
Any modification necessary } -.02 cell o.B.  
[Para. 4 (a) to (c)] } +.01 deep panning  
Co-efficient as corrected ..... .79

CORRECTION FOR LENGTH:—  
Length of Ship on Load Line.... 359.5  
Length in Table ..... 359.5  
Difference..... ✓  
Correction for 10ft..... ✓  
x Difference ÷ 10= ✓

Allowance for strength in excess of Lloyd's rules =

Height of 'Tween Decks..... 7' 11 1/2"  
Correction for Height of 'Tween Decks in Spar-decked Ships..... + 5 3/4"  
Freeboard Table B. or C..... 8' 3 3/4"  
Correction for Length..... ✓  
Correction for Height of 'Tween Decks in Spar-decked Ships..... + 5 3/4"  
Correction for Strength in excess of Lloyd's rules..... - 1' 5 1/2"  
Correction for Iron Deck if required..... - 3"  
Other Corrections (if any)..... ✓  
7' 0 1/4"

Particulars—Vessel constructed with panning of increased size  
shared with 1885 Rules.  
Two complete steel decks. Bulk  
beams at every frame at each  
and intercostal girders in way  
main pillars.  
Outside plating increased in thickness  
cellular double bottom, scantlings  
the same as 3rd vessel.

at Stem ..... 7' 6" at 1/2 length from Stem ..... 4' 1 1/2"  
Sternpost... 4' 6" " " " Sternpost... 1' 11"  
Drop in Sheer abaft amidships..... Nil.  
End of Spar-deck Beam..... 12"  
Length x Height. State if open or closed at ends.  
Castle ..... 34' 7" x 7' 6" closed iron Bkd.  
Edge ..... 100' 0" x 7' 6" closed iron Bkd. F. end  
op ..... 28' 11" x 7' 6" iron bulk with stem  
bracket at end  
3. bulkhead. Shiping  
stem bracket to passage  
way.

Winter Freeboard..... 7' 0 3/4"  
Summer Freeboard ..... 6' 7 1/4"  
N. A. Winter Freeboard..... ✓  
Correction necessary because clear side amidships measured  
in accordance with the statutes is not taken at inter-  
section of the deck with side + 2"  
Winter Freeboard from Deck Line\* ..... 7' 2 1/4"  
Summer Freeboard " " ..... 6' 9 1/4"  
N. A. Winter Freeboard " " ..... ✓  
\* Marked in accordance with Sec. 25, 76.

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line:—  
Fresh Water Line above centre of Disc ... 6' 9" ... 6' 9 1/2"  
Indian Summer Line " " " " ... 6' ... 6'  
Winter Line below " " " " ... 5' ... 5'  
Winter North Atlantic Line " " " " over 33.0 ft. not required ... 5' ... 5'

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full  
scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.  
All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-  
decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.

Trans. Ink.



Do all the Frames extend to the top Height in the Awning Deck? ✓

Do all the Frames extend to the top Height in the Spar deck? Yes

To what height do the Reverse Frames extend? To Main and Spar decks alternately.

Are the Hatchways and Hatches efficiently constructed? Yes

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

State any special features in the construction of the Vessel. Vessel constructed with deep framing of increased size compared with 1888 rules; has five complete steel decks; bulk angle beams to every frame at each deck and intercostal girders in way of quarter pillars; outside plating increased in thickness; cellular double bottom scantlings of same grade as 3 dkd vessel.

This report is in verification of the particulars on preliminary preboard reports forwarded with the Secretary's letter of 10<sup>th</sup> Dec: 1900 (M).

E. B. Champness.

Owners

Address

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Received by me ✓

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