

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck .... } 37.67

Year of Appoi

Lautaro

18

RECORD OF DOUBLE BOTTOMS IN

THE REGISTER BOOK.

NOW RIVER SWIFT

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It will be remembered that the General Committee had before them at their Meeting on the 27th January the case of the oil-engined vessel "BOSTONIAN", 6225 tons (No. 1050 in Reg.Bk.- U.K.), as regards the record of double bottom to be made in the Register Book.

The "BOSTONIAN" is an Awning Deck Motor Vessel of 400' x 52' x 29.67' Rule dimensions, with a continuous cellular double bottom in holds and machinery space. The three forward tanks and the after tank are for water ballast only. Oil fuel is carried in three other tanks but in case of emergency salt water can be carried in these tanks. There is also a short tank 8'-8" long for lubricating oil on starboard side, and piston cooling water on the port side.

The Society's Surveyors at Glasgow recommended that only the three forward tanks and the after tank which are not arranged to carry oil should be recorded in the Register Book. The Chief Ship Surveyor submitted, however, that the full length of the double bottom and its capacity should be recorded in the Register Book.

After some discussion, the General Committee deferred consideration of this case, and instructed the Chief Ship Surveyor to report further on the matter.

The Chief Ship Surveyor now reports as follows:-



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BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel ... A.F.T.	8X.46X31X14	32	52	Angle on duto	3 1/2
" Angles on upper edge	26 X 52	26		" Tie Plates	
" Spacing				" Deck. Material and thickness	Steel
BEAMS, Forecastle Deck				AFT BRIDGE SHEATHED	



Record of Double Bottoms in the Register Book.

Up to the issue of the Register Book for 1879-80, only the length of the double bottom was recorded, and no reference was made in the Key to the Register Book to this notation.

In the 1880-1 Register Book a record of both the length and capacity was made in the case of new vessels as follows:-

"Cell D.B. 185' 270 tons"

"D.B.a 68ft f 56 ft 250 tons"

"D.B.a 82 ft & under E & B 70 ft 398 tons"

The record "Cell D.B." denoted cellular construction of double bottom and the record DB denoted double bottom constructed with longitudinal girders on top of ordinary floors. The Key to the Register Book gave Illustrations of notations in regard to Double Bottoms and Water Ballast Tanks.

In the 1888-9 Register Book the letters W.B. were prefixed to the record.

When first introduced, it was the practice to use double bottoms for water ballast only. At a later date, fresh water for ship's use and for feed water for the boilers, was carried in some of the double bottom tanks. In more recent cases lubricating oil and oil fuel has been carried in these spaces.

In some cases the double bottom tanks appropriated for fresh water are fitted with the ordinary ballast suctions and can be filled with salt water, while in other cases, no such arrangements are made.

Generally, when any of the tanks are used for carrying oil fuel, arrangements are made by which they can also be fitted with salt water.

It does not appear necessary to differentiate between the various uses to which different parts of the double bottom may be put and consequently it is submitted that the prefix indicating Water Ballast be omitted from the notation in future.



On the other hand the provision of a double bottom is an element of safety and it is considered that the vessel is entitled to have the credit of the record of its full length in the Register Book independently of whether salt water, fresh water, lubricating oil, or oil fuel is carried.

It is also submitted that the total capacity of the double bottom, excluding dry tanks, should be recorded in the Register Book, and this capacity should be estimated in tons of salt water.

In the case of the "BOSTONIAN", which is dealt with in the endorsement which was before the General Committee on the 27th January it is considered that the record as previously recommended, should be made, viz:-

Cell DB 338' 1126 t.

DTa 28' 540t APT 61t FPT 90t

*[Signature]*  
15.2.16.

*[Signature]*

*General Committee  
Thursday, 17<sup>th</sup> February, 1916.*

*Submission approved*

*[Signature]*

*note & forward  
C. J. [Signature]*



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