

Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Dk

Transverse Number..... 45.50  
Length on deck from fore part of stem to after part of

When built 1915

S.S. "DARTMEET".

This vessel has been built at Zalt Bommel by Messrs. J. Meyers Shipbuilding Co., and is at present at Middlesbrough having the machinery fitted. The donkey boiler has been shipped and it is found that there is only  $15\frac{1}{2}$ " clearance from the crown of the boiler to the underside of the roof of the recess in the boiler room bulkhead.

In this position the Owners consider the boiler to be too low interfering with the draught and also the working of the boiler, and they propose raising it another 9" which would allow only  $6\frac{1}{2}$ " clearance between the crown and the roof of the recess.

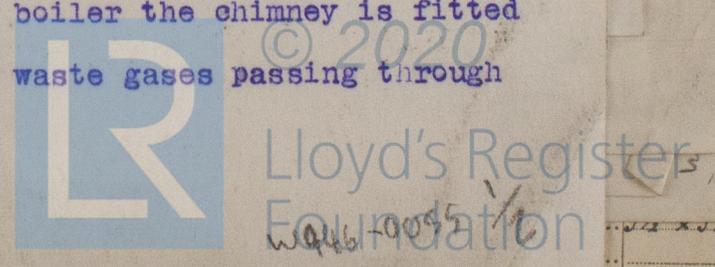
The space above the recess is fitted out as accomodation for Officers, Saloons, &c.

The Master states that in way of the recess top there is 3" cement on top of the steel and then  $2\frac{1}{2}$ " wood deck laid on the cement.

The Surveyors desire to know if the lifting of the boiler so that there is only  $6\frac{1}{2}$ " <sup>and</sup> between the top of the roof of the recess can be approved, and if not if the present arrangement giving a clearance of  $15\frac{1}{2}$ " can be accepted subject to the Owners' approval.

The Rules require the roof of the donkey boiler recess to be not less than 4' clear of the top of the boiler and the space between the bulkhead plating and the chimney to be not less than 18".

In the ordinary donkey boiler the chimney is fitted at the top of the boiler and the waste gases passing through



BEAMS, BRIDGE DECK, Angle, Butt Angle, Plate,	4 1/2	3	.30	4 1/2	3	.50	Forecastle Deck Stringer Plate, b'dth & th'kns	17
Top Bulb, or Channel								
Angles on upper edge	THROUGH BEAMS	5	3	.34	5	.54	Angle on ditto	

Do. of Top *54.39*  
 Do. of R.Q.Dk. *185.37*  
 Do. of Bridge House  
 Do. of Forecastle  
 Do. of Houses on Dk.

Transverse Number..... *45.50*  
 Length on deck from fore part of stem to after part of } *100*

Built at *Salt. W.*  
 When built *1915*

it are of a very much higher temperature than the boiler.  
 In the present case a Cochrane's Patent Donkey Boiler is fitted, and the chimney is fitted to the lower part of the ~~bulkhead~~ boiler, so that the waste gases in passing through do not come near the top of the recess, as is the case with an ordinary donkey boiler.

It is submitted that in the circumstances the proposal to lift the donkey boiler, giving a clearance of  $6\frac{1}{2}$ " between it and the roof of the recess, might be approved provided sheet iron is fitted to the bottom of the beams in way of the recess and the space between it and the top of the recess is packed with silicate of cotton to the satisfaction of the Society's Surveyors, the distance between the chimney and the bulkhead should be as required by Section 30.

Sr. 18/1/16  
 Ansd. 21

*E. B. C.*  
 20.1.16

*J. M.*

*J. M.*



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Spacing						
Bridge Deck, Angle, Bulk Angle, Plate,	$4\frac{1}{2}$	5	.30	$4\frac{1}{2}$	5	.30
Angles on upper edge	5	3	.34	5	3	.34

Deck. Material and thickness.....  
 Forecastle Deck Stringer Plate, b'dth & th'kns  
 Angle on ditto