



# Lloyd's Register of Shipping,

Lloyd's Bank Chambers,

Middlesbrough, 8th October 1938

LLOYD'S REGISTER  
Received  
10 OCT 1938  
And.  
LONDON

Reference

E.

Dear Sir,

I duly received your letter of the 5th instant regarding a difficulty experienced by Messrs. Burmeister & Wain in obtaining a particular broad flanged beam section for a welded bed plate.

It is I believe the case that the special section referred to can only be obtained from the Differdinger Works in Luxembourg and that this Company are makers of steel by the "Thomas" process only.

Broad flanged beams are not rolled in this Country; a special type of Mill is necessary, known as the "Grey" Mill having side (Universal) rolls. The demand for this type of section is so small here that Steelmakers have not thought it worth while to put down the costly and special plant required.

There are, however, at least two other Makers of broad flanged beams on the Continent one in Northern France, whose name escapes me at the moment, the other being August Thyssen-Hutte A.G. Duisburg-Hamborn. The

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latter as you will be aware are makers of Open Hearth Steels and are on the Committee's approved list. They roll a fairly extensive range of broad flanged beam sections and while as I have indicated they do not manufacture the extra large "Differdingen" section it is possible that Messrs. Burmeister & Wain could obtain a section to meet their special requirements.

In this Country similar requirements have been met by the welding (electrically) of two flats having ("Universal") square edges to form a T and you may be interested to know that certain German Works roll, where welding is involved, a special Universal flat to form the base of the T thus:-



In regard to the question of "Thomas" steel I have to advise you that, in my view, the previous decision of the Committee should be adhered to. In regard to testing procedure my experience convinces me that no system of testing has yet been devised which would adequately deal with the matter.

One test, not mentioned by the Makers and which you may think important, concerns "ageing" and in this respect the "Thomas" steel does not compare favourably when compared with Open Hearth Steels.

Fundamentally the "Thomas" process remains what it was when first introduced and such improvements as

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have been introduced refer almost entirely to mechanical means of operation.

I am, Dear Sir,

Yours faithfully,

*Louis Ripley*

The Secretary,  
LONDON.



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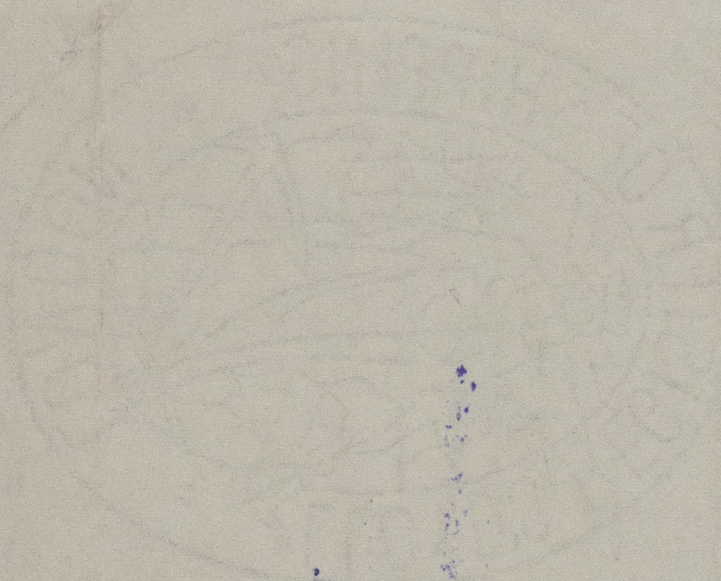
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Referred to the Chief Engineer Surgeon

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