


L.R. to Liv:
Y. 2. 85.

From H. C. Britannia
STEEL TESTS.

Liverpool
Report No. 303614



| Date of Trial. | Where Tested. | Name of Builder of Ship. | Yard. No. | Description of Steel. | For what purpose intended. | Number of Sample. | Number of Plates or Angle Irons selected from. | Dimensions of Sample. | | | Breaking | Breaking | Elonga- tion. | Forge Tests. | | | Remarks. |
|---|---------------|--------------------------|-----------|-----------------------|----------------------------|-------------------|--|-----------------------|--------------|-------|-------------------|----------------------|----------------------|--------------------|-------------------|-------------------|------------------------------------|
| | | | | | | | | Br'dth | Thick- ness. | Area. | Strain of Sample. | Strain per Sq. Inch. | | Hot or Cold | Diamet'r required | Diamet'r bent to. | |
| | | | | | | | | Ins. | Ins. | Tons. | Tons. | Ins. | | Ins. | Ins. | | |
| Dec th 9, 12 th 20, Jan th 14, 8 30. | Landore | Laird Bros | 532 | Plates | Shipbuilding | 539 | 175 | 1.27 | .3 | .381 | 10.625 | 27.8 | 25.50 | 60 bend tests with | | | All plates marked in two places R. |
| | | | | | | 737 | 1.26 | .3 | .378 | 10.50 | 27.7 | 26. | satisfactory results | | | | |
| | | | | | | 600 | 1.27 | .3 | .381 | 10.75 | 28.2 | 25. | | | | | |
| | | | | | | 701 | 1.28 | .73 | .934 | 25.50 | 27.3 | 28.75 | | | | | |
| | | | | | | 601 | 1.27 | .3 | .381 | 10.50 | 27.5 | 25. | | | | | |
| | | | | | | 714 | 1.27 | .3 | .381 | 10.50 | 27.5 | 27. | | | | | |
| | | | | | | 708 | 1.27 | .3 | .381 | 11. | 28.8 | 26. | | | | | |
| | | | | | | 731 | 1.06 | .36 | .381 | 10.50 | 27.5 | 28. | | | | | |
| | | | | | | 735 | 1.06 | .39 | .413 | 11.50 | 27.8 | 25. | | | | | |
| | | | | | | 46 | 1.05 | .75 | .787 | 21.50 | 27.1 | 26.25 | | | | | |
| | | | | | | 18 | 1.05 | .77 | .808 | 24. | 29.7 | 24.50 | | | | | |
| | | | | | | 74 | 1.05 | .75 | .787 | 21.75 | 27.6 | 30. | | | | | |
| Landore Steel Works Jan th 1885 | | | | | | | | | | | | | | | | | |
| Thos Ashton | | | | | | | | | | | | | | | | | |
| 2/2/85. | | | | | | | | | | | | | | | | | |



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