

From

19/3/88

STEEL TESTS.



| 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 Strain of Sample. | Breaking Strain per Sq. Inch. | Elongation. | Forge Tests. | | | | Remarks. |
|--|---------------|--------------------------|-----------|-----------------------|----------------------------|-------------------|--|-----------------------|-------------|-------|----------------------------|-------------------------------|-------------|--------------|-------------------|-------------------|----------|--|
| | | | | | | | | Br'dth | Thick-ness. | Area. | | | | Hot or Cold | Diamet'r required | Diamet'r bent to. | Results. | |
| Dec ^r 22 nd 23 rd , 28 th , 29 th 31 st , Feb ^r 11 th , 15 th March 6 th | Landore | Clark & Co Workman | 554 | Plates Ship building | | 1261 | | 1.34 | .28 | .375 | 10.875 | 29.0 | 26.25 | | | | | 340 bend tests with satisfactory results All plates marked in two places with R. Lwausea March 1888 Thos Ashton |
| | | | | | | 660 | | 1.39 | .32 | .446 | 12.875 | 28.9 | 25. | | | | | |
| | | | | | | 669 | | 1.35 | .30 | .405 | 12.75 | 31.7 | 26.25 | | | | | |
| | | | | | | 670 | | 1.36 | .27 | .367 | 10.375 | 28.2 | 27.50 | | | | | |
| | | | | | | 673 | | 1.33 | .27 | .359 | 10.25 | 28.5 | 27.50 | | | | | |
| | | | | | | 647 | | 1.11 | .30 | .333 | 9.625 | 28.9 | 24.0 | | | | | |
| | | | | | | 708 | | 1.35 | .30 | .405 | 11.75 | 29.0 | 26. | | | | | |
| | | | | | | 709 | | 1.39 | .32 | .444 | 12.75 | 28.7 | 29. | | | | | |
| | | | | | | 711 | | 1.34 | .30 | .402 | 12.0 | 29.8 | 25. | | | | | |
| | | | | | | 720 | | 1.35 | .28 | .378 | 11.0 | 29.1 | 29. | | | | | |
| | | | | | | 760 | | 1.11 | .31 | .344 | 9.75 | 28.3 | 26½ | | | | | |
| | | | | | | 756 | | 1.11 | .30 | .333 | 9.75 | 29.2 | 22. | | | | | |
| | | | | | | 738 | | 1.11 | .30 | .333 | 9.375 | 28.1 | 27. | | | | | |
| | | | | | | 768 | | 1.12 | .28 | .313 | 9.0 | 28.7 | 25. | | | | | |
| | | | | | | 755 | | 1.11 | .28 | .310 | 9.75 | 31.4 | 25. | | | | | |
| | | | | | | 759 | | 1.12 | .30 | .336 | 10.0 | 29.7 | 23. | | | | | |
| | | | | | | 786 | | 1.11 | .30 | .333 | 9.625 | 28.9 | 25. | | | | | |
| | | | | | | 494 | | 1.35 | .30 | .405 | 11.75 | 29.0 | 26. | | | | | |
| | | | | | | 495 | | 1.35 | .29 | .391 | 11.50 | 29.4 | 25. | | | | | |
| | | | | | | 491 | | 1.37 | .30 | .411 | 12.125 | 29.5 | 25. | | | | | |
| | | | | | | 486 | | 1.35 | .28 | .378 | 10.875 | 28.7 | 24. | | | | | |
| | | | | | | 493 | | 1.35 | .28 | .378 | 10.875 | 28.7 | 26. | | | | | |
| | | | | | | 895 | | 1.29 | .31 | .400 | 11.625 | 29.0 | 25. | | | | | |
| | | | | | | 269 | | 1.3 | .47 | .611 | 17.25 | 28.2 | 25½ | | | | | |
| | | | | | | 527 | | 1. | .48 | .480 | 13.75 | 28.6 | 26. | | | | | |
| | | | | | | 981 | | 1. | .33 | .330 | 9.50 | 28.7 | 25. | | | | | |
| | | | | | | 823 | | 1.34 | .33 | .442 | 12.875 | 29.1 | 25. | | | | | |
| | | | | | | 222 | | 1. | .49 | .490 | 14.0 | 28.5 | 24. | | | | | |
| | | | | | | 355 | | 1.3 | .46 | .598 | 17.0 | 28.4 | 26. | | | | | |
| | | | | | | 960 | | 1.3 | .33 | .429 | 12.625 | 29.4 | 26. | | | | | |
| | | | | | | 391 | | 1.3 | .49 | .637 | 18.625 | 29.3 | 26. | | | | | |
| | | | | | | 694 | | .99 | .45 | .445 | 13.0 | 29.2 | 24. | | | | | |

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