



TESTS OF BOILER STEEL.

Tests of 56 Steel plates manufactured by Clydebank Iron & Steel Co. of Mossend for Boiler No. 97 to be constructed by Muir & Houston of Glasgow for S.S. H-8 building by Murray Brothers, Dumbarton

Date first visit 5th May last visit 7th May 1886 No. of visits 3

The plates specified in the accompanying copy of Advice Notes were rolled from charges. The tensile test has been applied to 10 samples as set forth below, and the temper and bending tests to samples representative of each plate advised, all of which proved satisfactory.

When a second test is applied, the result should be recorded immediately below the record of the original test. The number of plates or bars included in a rejection must be clearly stated.

| No. | Purpose. | Charge Mark. | No. of plates or bars in same charge. | Mark on plate and test piece. | Dimensions. | | | Ultimate Stress. | | Exten. in 8 ins. % | Remarks. |
|-----|---------------------|--------------|---------------------------------------|-------------------------------|-------------|--------|-------|------------------|----------|--------------------|----------|
| | | | | | Thickn. | Brdth. | Area. | Total. | Sq. Inch | | |
| | | | | | Ins. | Ins. | Ins. | Tons. | Tons. | | |
| 1 | 11-24 x 63 x 27/32 | A170 | | 2643 | .82 | 1.215 | .996 | 27.7 | 27.8 | 25 | |
| 2 | 5-0 x 58 x 3/4 | A174 | | 2789 | .74 | 1.215 | .9 | 24.5 | 27.2 | 26 | |
| 3 | 15-1 x 63 x 4/6 | B3505 | | 2812 | .875 | 1.22 | .823 | 23.4 | 28.4 | 26 | |
| 4 | 6-7 x 39 x 1/2 | C14 | | 2924 | .535 | 1.22 | .652 | 18.4 | 28.2 | 26 | |
| 5 | 5-4 x 38 1/2 x 1/2 | A177 | | 2928 | .515 | 1.22 | .628 | 17.4 | 27.7 | 25 | |
| 6 | 4-10 x 16 1/2 x 7/8 | C15 | | 2973 | .535 | 1.22 | .652 | 18.75 | 28.7 | 26 | |
| 7 | 11-1 x 63 x 27/32 | B3513 | | 2937 | .865 | 1.22 | 1.055 | 29.1 | 27.5 | 20 | |
| 8 | 5-8 x 38 1/2 x 3/4 | A178 | | 2997 | .75 | 1.22 | .915 | 24.2 | 26.4 | 27 | |
| 9 | 11-1 x 63 x 27/32 | C15 | | 3059 | .84 | 1.22 | 1.024 | 28.8 | 28.1 | 30 | |
| 10 | 67 Dia. x 1/2 | A177 | | 3098 | .495 | 1.225 | .606 | 16.5 | 27.2 | 28 | |

A.S. 13/5/86

Fee £ : :
Expenses £ : :
£ : :

To be paid by



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J. Thomson

Surrey, Lloyd's Register.

Glasgow

12/5/86