

Steel T.S.S.Nos.304, 305 & 306, built by The Wm.Cramp & Sons S.& E.B. Co.

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The Steel used in the construction of these vessels is stated to have been manufactured on the open hearth process by the Phoenix the Central Iron & Steel Co.Harrisburg,Pa Iron & Steel Co.,Phoenixville, Pa., and the Illinois Steel Co., Chicago,Ill.,and samples thereof have been tested for the Society's Surveyor at Philadelphia, but not in his presence at the Pittsburg Testing Laboratory, and the certificates of the tests have been forwarded by the Surveyor to this Office.

Of the samples of plates made by the Illinois Steel Co.213 tests have been accepted, in which the tensile strain is below the Rule limit, among the same are ;-

- 95 in which the tensile strength is more than 1 <sup>ton</sup> below the Rule limit.
- 15 in which it is nearly 2 tons below.
- 3 in which it is over 2 tons below.
- 1 in which the tensile strength is nearly 1 ton above the Rule limit.



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