

“The minimum strength of the wire, if subjected to a breaking strain, shall be not less than 3400 pounds, and the minimum stretch, when broken, shall have been two per cent. in fifty feet, and the diameter of the wire at the point of fracture shall not exceed  $\frac{15}{100}$  of one inch.

“A piece 16 inches long, cut from every ring and a piece 6 feet long from one ring out of five, will be subjected to the same tests and must come up to the same standard.

“*Second.* Every ring will be subjected to a bending test, by cutting off from each ring a piece of wire one foot long and coiling it closely and continuously around a rod one-half inch in diameter, when, if it breaks, it will be rejected.”

The contract, based on the above conditions, was awarded to J. Lloyd Haigh, of South Brooklyn, for  $8\frac{7}{10}$  cents per pound, with the distinct understanding that none but crucible cast steel shall be used for the wire.\*

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\* The wire furnished by the contractor exceeded con-