

COPY.

14th October, 1904.

Dear Mr. Champness,

I think it would be desirable that tests should be carried out on the high tensile steel with a view to its modulus of elasticity being determined. This would necessitate the test pieces being longer than usual, say 100". Could you not get Messrs. Spencer to arrange for these? If the tests cannot be carried out at the works owing to the length of the pieces, Mr. Kircaldy will no doubt be able to undertake the work. The test pieces would have to be 130" in length over all to suit his machine, and say 2" in breadth planed on both sides and parallel.

Two pieces for the high tensile and two for the ordinary steel for comparison would, I think, be sufficient. It might be desirable to take the strips from opposite edges of the plate.

Yours faithfully,



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