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271 MADISON AVENUE.

NEW YORK.

Dec 16th 1879

My Dear Prof. Tacchini

I am exceedingly obliged to you for your complimentary allusions to my stellar spectrum photography and I enclose herewith a copy of my paper read before the National Academy with a heading which I trust will meet your views.

I am just constructing an astronomical laboratory attached to this house. It consists of a room 25 by 75 feet. At one end

a sidrostat is placed on an iron beam in the roof so as to give me an image of the Sun all day and to permit of the use of a spectroscopie of great length. At the other end is a 4 horse power gas engine, Gramme machine etc to give electrical currents of great intensity & quantity. I hope to get it all in working order during the winter.

I am glad to hear of the progress of the Etna observatory & hope you may enjoy the pleasure of working in it shortly.

Yours very truly
Henry Draper