



John Muir Correspondence (PDFs)

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1907-09-18

## Letter from Fred A. Barber to John Muir, 1907 Sep 18.

Fred A. Barber

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A. G. BARBER, PRES. & TREAS.  
F. A. BARBER, VICE PRES.

FOUNDED 1889.  
INCORPORATED 1894.

R. C. THOMPSON, ASST. TREAS.  
MANAGER.  
W. W. SLADE, SECRETARY,  
SUPERINTENDENT.



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**BOSTON.** Sept. 18, 1907.

Mr. John Muir,  
Martinez, California.

Dear Mr. Muir:-

I have just arrived in Boston, after a three weeks' strenuous business trip to close my Western trip. I am advised by the Bausch & Lomb Optical Company that a 1/2" eye-piece could be used to advantage with your 2/3" objective for work on opaque objects. So I have ordered one sent to you and also a 1/2" hand magnifier, as I agreed when I was in Marteniz. Together with the outfit you already have, including the 1" hand lens I left with you, these will give you the following powers:-

With the 1" hand lens . . . . .	10	diameters
" " 1/2" " " . . . . .	20	"
" " microscope, using 2/3" objective and 2" eye-piece, . . . . .	41	diameters
With the microscope, using 2/3" objective and 1" eye-piece, . . . . .	87	diameters
With the microscope, using 2/3" objective and 1/2" eye-piece, . . . . .	146	diameters
With the microscope, using 1/6" objective and 2" eye-piece, . . . . .	205	diameters
With the microscope, using 1/6" objective and 1" eye-piece, . . . . .	385	diameters
With the microscope, using 1/6" objective and 1/2" eye-piece, . . . . .	720	diameters.

It is doubtful, however, if you would get very satisfactory results using the 1/6" objective, as the focus is so short it cuts off most of the light. However, this will be improved when you get your vertical illuminator. I understand that they hope to be able to mail you this within 10 days. I will follow up the matter and see that you get it as soon as they can possibly send it from the factory.

(continued)

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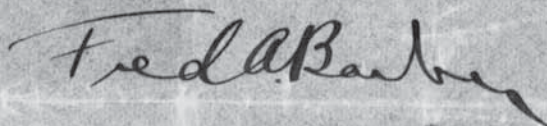
J.M. #2

If any questions arise regarding the use of the microscope or along any other line, I shall be glad to answer them, if possible, if you will write me. I have not yet received the bill from the factory for all of your outfit. Will send it to you as soon as I receive it.

With best wishes, I am,

Very truly yours,

Dic. F.A.Barber



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