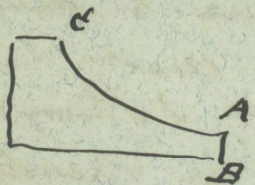


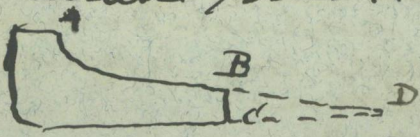
One or two points in your letter,
Take the value of t ✓



Say that it should be taken
at A the moment of release,
you say it should be taken
at B the temperature of the
condenser, or let us say for
a non-condensing engine that
 t is 212° .

Now I assert that the temperature
falls from A to B due to
upward work, while the fall
from C to A due to upward work.

Let me make two diagrams,
In one the fall $T-t$ is
measured from A to B. and



is supposed $300^{\circ} = A$ $200^{\circ} = B$

Pardon.

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July 22/89

Dear Sir,

I write this late at night
after a hard day's work, &
you will pardon me if I
do not answer all the points
in your interesting letter. It
must suffice to say that
if you knew me better you
could understand that I
have no animosity against
proposers. Too many of them
are my personal friends or
valued acquaintances for that.
I am actuated by but one
desire, the pursuit of truth.
Fitting this hour I shall
now confine myself to but

12/98

$C = 120$ according to you

Showing we have $\frac{300-120}{300} = .6$

on my plan $\frac{300-200}{300} = .33$

Now suppose an engine, which expands until the pressure falls as in the dotted line on the other hand, all the area included in the shape B C D is useful work, and a more inspection of the indicator card shows that other things being equal, the engine which the dotted line diagram is more efficient than the engine which the full line diagram,

but on your method the two engines are equally efficient. If you are an answer to this I do not know it and will be glad to have it. I strongly suspect that you are speaking of the efficiency of the working fluid, while I am speaking of the efficiency of the engine. While seemingly matters it, but compare our selves to a gas engine will not condense instead of talking of steam.

I am very glad I wish to try my expansion is that most of the disputes which occur in this world are due to the fact that the disputants do not understand each other, every question has two sides, some have a multitude.

I am not surprised you did not need my name here to it please

Yours truly,
J. B. S. C. C. C.
Ordon & C. C. C.