

an only refer to the time
 the substance is passing the
 piston and falling in temperature
 the heat expended by the
 piston



A is the
 quantity of work as "expended
 heat" and is ^{the basis of Dulong's} ~~equivalent~~
 to "Dulong's Coefficient."

The work done in the
 shaded portion is done ^{expended}
 in the boiler, and is ~~expended~~
 by the ^{heat} quantity of heat
 required to convert water
 into steam, the processes
 taking place against a
 resistance, as compared with
 what it would be if no
 work other than internal
 work on the molecules was
 done. There is no contribution
 to this in expansion.
 James Prescott



16/33 ep 4 89

My dear Sir,

The question between
 us is somewhat narrow.
 It is what do you mean
 and what do I mean
 by "effort"

Given a certain weight
 or any substance say steam
 heated to any temperature
 T. I assert that the quantity
 of that heat T which
 can be converted into foot
 pounds of mechanical work
 is measured by T-t, and
 that this work as regards
 can be used when a piston

22, LINCOLN PLACE,
DUBLIN.

16/34 13 Oct 95

Dear Professor Fitzmaurice

I am rejoicing
in the best & most
unhappy reach
I've till now.

I will then go with
the whole party
after the coming legislation
with the Chief Sec