

29 Nov 1783

Mr J Dinwiddie

at St Angel Lane

St Martins le Grand

London

Mr J Dinwiddie

Manchester Nov 29 1783

Sir

I am favour'd with your Letter of 20th inst informing me of the various Occurrences which have happen'd since I had the pleasure of seeing you. I am sorry for the Misfortune you have met with wish it may conclude agreeably to you.

In respect to the ~~best~~ Mode of preparing Inflammable Air for your purpose I should think the following Method best. In a large empty Oil of Vitriol Bottle put a Quantity of ~~thin wire of~~ ~~thirteen feet~~ ~~to be~~ ~~overdupois~~ ~~bound~~ ~~cut~~ ~~in~~ small pieces pour upon it strong Oil of Vitriol diluted with three times its Weight of Water, let the Mouth of the Vitriol Bottle be ground so as to be perfectly tight when stopp'd with a Glass Stopp'd, to the top of this Vitriol Bottle fit that part of Nooths Glass Apparatus which contains the Water that is to be impregnated with fix'd Air in the common Method of impregnating it by passing thro' a Glass stopple with capillary Tubes or Stoles drilled thro' the stopple, it is necessary that this should be done that the inflammable Air may be purified by passing thro' Water at the same time it is form'd

On the ~~the~~ inflammable Air arising from the Waters it may be
immediately directed to the Globe or other Matter it is to fill by
means of a safe Funnel inverted, ^{standing in Water} various other Methods
you are well acquainted with, as the only point to attend to
is to pass it immediately from the Water to the Globe which
should contain it without any atmospheric Air being admitted
with it. Some Care will be requisite that the Vitriol Bottle
in which the Iron Wire & Nit. Acid is mixed together does not burst
which it may be liable to do if you stop it close whilst the Acid
is acting upon the Iron. I wish you success in your Experiment
on this Subject. How far it might be ~~of use~~ ^{of service} to
you here it is difficult to say, having been frequently decus'd
in my Opinion of ~~being~~ ^{meeting} with due recompense in
public Exhibitions in this Town. In respect to the Connection
you have form'd with the College here I am not really a
proper person to advise you, having declined any Concerns
with the Literary & philosophical Society. I remain Sir

Your obed^t. humble Serv^t

Chas. Taylor

P.S. My Friend Mr Cooper is now in
London. He will probably call upon you, as he has lately been

making some Paper on inflammable Air I dare say he will
give you some useful Information on that Head, as well as other
philosophical & Chemical Subjects. I have given him your Address
I am inform'd Dr Bell of this Town is making a ^{Ballroom}