

21 Wimpole St.  
London W

15/13 Saturday

Dear Professor Fitzgerald,

I have to thank you for a very instructive letter and also for your kindness in sending me your paper on models of the ether, which I have been reading with great interest and shall continue to study more closely. The little knowledge of hydrodynamics which I possess has been required since the publication of my

paper on the constitution of matter, and I am unable, at least for the present, to follow much of the dynamical theory of turbulence.

All that I have really given is the solution of a special problem in dynamics, the conditions of which, however, are fairly general in character, as no doubt the motion of matter, like every other physical phenomenon, must ultimately involve the bodily displacement of something. In reading the theory which you have suggested in rather more general terms, it has especially interested me to see that <sup>you</sup> lay stress on the

freedom of motion through a  
rigid medium which results  
from such a view.

The copy of Nature containing  
your letter on Turbulent liquid  
motion I have had by me  
for some time, and I hope  
after a while to be in a  
position to understand more  
of this fascinating subject.

Yours sincerely  
Charles V. Burton.

15/13