

on the inside of it -

Two of my papers on
Microscopic Vision have
appeared in the Phil Mag
& the third has yet to
come - I shall not have
separate copies to send you
till it is out - My Theorems
1 & 2 I think very important,
& they are applicable to
all electromag. waves, if as I suppose
they are capable of superposition.
You will see from the proof of
Theorem 1, why I said to you it
w^d embrace the case of a grating
electrified in any way - In fact
it embraces any such condition
w^{ch} can be repeated in the replicas.
Love to Harriette & affectionately
to your truly
George Stokes

8 Upper Hornsey Rise. N.
1896, Nov. 2 -

Dear George 13/13
I luckily happened
to get a copy of the
English Mechanic of last
Friday & see in it a
long extract from an article
by Mr. Stockbridge in the
Engineering Magazine in
which an invention of the
greatest importance is
announced - no less than
the long searched for means
of converting the energy of

13/13
Combination of C & O
directly into electricity,
showing an efficiency of
from 85 to 90 percent,
as against less than
20 percent in the best
steam engines. The discovery
was made by a D. Jacques
of Boston. He uses fused
caustic soda to absorb
oxygen from common air
& to impart oxygen to
Carbon at a moderate
temperature, so that nearly

all the energy appears as
Electricity.

I thought you wd
like to know at once
of so great a discovery.
If the practical details
can be fully worked out,
which seems likely, the
age of steam is over!
One obvious improvement
wd apparently be to
introduce a porous jar
causing the air to enter
to the liquid on the outside
of it & letting the CO₂
escape through the liquid