

is ample power to do this
but the difficulty is to my mind
to make the thing steady
especially in rough water

The planes or screws must
be immersed to a considerable
depth to avoid wave surface
resistance above them.

I once tried planes on a
model boat propelled by
clockwork but though the
boat was lifted up it was
totally unmanageable even
in smooth water

If I can get a pond or rather
afford to make one near
the house I will try some.

HOLEYN HALL,
WYLAM-ON-TYNE.

12 Dec 2 1896

12/78

My dear George

I have often thought of
running on screws, but
that would be the gain

It would be true that a body
to float in the water when at
rest is essential & with the
planes could be fitted
to raise the body out of the
water when in motion
In a modern torpedo boat there

more experiments.

Manning took out a patent
3 or 4 years ago for a
boat riding on water
planes but I have never
heard if he made one

Hordenfeld had a submarine
boats she exhibited in Sweden
& she used the water
planes were used I think
instead of rudders & to paddle

rain or lower the boat
at will

It is a very interesting subject

I hope you are all well

Yours very truly
Charles A. Pearson

12/78

P.S. So the any prospect of
making electricity direct
from coal, a coal-oxygen
battery