

The manufacturing cost from
an engineering point of view
is tolerably light especially for
moderate powers of up to 200 H.P.
I have been looking into it for
500 - 2000 H.P. but it
is getting clearer for most purposes
direct coupling to a slow
running steam turbine seems
the probable in the larger
sizes, since we can afford
to go in for large diameters
& plentiful number of turbines
in series.

I am thinking of making a hand
one & trying further experiments
on models worked on planes
or screws but at present
I have no pend available
near at hand except at the
W.M.S. & it is difficult to do much

HOLEYN HALL,
WYLAM-ON-TYNE.

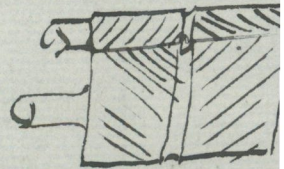
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Hydro-geosc

The use of dynamic electric gears
especially to enable a variable
ratio of gearing to meet
requirements has been proposed
by Leonard & Brown C.E. & others
but the expense & weight have
been the drawbacks.

The long spiral helical spur
gearing we are
adapting which
has been used by
Laval for his steam shaft



Journal of
Charles A. Purpus.

The Helical steam engine appears to give over 95% efficiency
judging by the amount of heat generated in the boiler
20.0 H.P.

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MADE BY
MAY 1900