

38 Wick Street. Southsea

1<sup>st</sup> August 1857.

Sir,

Some seven years since I invented a Paddlewheel for sea going Steamships of high speed: simple in construction & without the complexity of Maudslays feathering floats it attains the same end. I submitted a model of it to the Admiralty which was approved. but on my requesting a trial of it on a large scale. I was told it could only be done at my expense which as I could not afford to do. the matter fell to the ground. & I destroyed the model. It now strikes me that for the Great Eastern it would prove to be the thing required. and a trial of it would be a very inexpensive matter to the company it would not exceed, £50. & then if

not approved of, the materials being  
but little damaged could be re-  
converted -

The advantages I claim for it  
are the following - it is but little  
affected by the depth of immersion -  
lifts but little back water - works  
quietly & smooth, does not loath the  
water with foam & thereby lose its  
grip - is inexpensive in construction -  
the floats being of sheet iron in  
one piece - & not likely to get out  
of repair - as there are no coggs or  
leaves about it.

If the Directors of the Company  
are willing to give it a trial - they  
are welcome to the design - & to  
the use of the invention for their  
Company gratis & I shall have  
great pleasure in waiting on you

with it. on my expenses being paid  
from here.

Wishing the favor of an early  
reply I have the honor to be

Sir

Your most obed<sup>t</sup> serv<sup>t</sup>

Geo W. Hart <sup>MB.</sup>

J. K. Brunel Esq  
Engineer to the Great Eastern Steam  
Navigation Company  
&c &c

See  
In front  
of - 1 Aug 1857