

ON HEAT
IN ITS RELATIONS TO
WATER AND STEAM



*Yours truly
Chas W Williams*

ON HEAT

IN ITS RELATIONS TO

WATER AND STEAM;

EMBRACING NEW VIEWS

OF

VAPORISATION, CONDENSATION, & EXPLOSIONS.

BY

CHARLES WYE WILLIAMS, A.I.C.E.,

AUTHOR OF TREATISE ON THE "COMBUSTION OF COAL CHEMICALLY AND PRACTICALLY
CONSIDERED;" AND OF THE "PRIZE ESSAY ON THE PREVENTION OF THE
SMOKE NUISANCE."

Second Edition, Revised and Extended.

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ADDRESS.

TO THE DIRECTORS AND PROPRIETORS OF THE
CITY OF DUBLIN STEAM-PACKET COMPANY.

GENTLEMEN,

In 1840 I had the honor of addressing to you my Treatise on the Combustion of Coal. I have now, after an interval of twenty years, to present to your notice a Treatise on Heat, in connection with the generation and properties of steam, written in the hope that it may remove some of the uncertainties, and correct some of the errors, which prevail in reference to its application in the Steam Engine, and, in particular, in Steam Navigation.

ADDRESS.

I have now to express my acknowledgment of the obligation I feel for the confidence you have reposed in me during a period of thirty-seven years, since I entered on the duties of Managing Director in your service.

I have the honor to be,

Gentlemen,

Your faithful and obedient Servant,

CHARLES WYE WILLIAMS.

LIVERPOOL, *September 10th*, 1860.