

**AN INQUIRY INTO THE OPERATION OF
RUNNING STREAMS AND TIDAL WATERS,
WITH A VIEW TO DETERMINE
THEIR PRINCIPLES OF ACTION AND AN
APPLICATION OF THOSE PRINCIPLES TO
THE IMPROVEMENT OF THE RIVER TYNE**

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An Inquiry into the Operation of Running Streams and Tidal Waters, with a View to Determine Their Principles of Action and an Application of Those Principles to the Improvement of the River Tyne by Thomas John Taylor

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THOMAS JOHN TAYLOR

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BY
THOMAS JOHN TAYLOR.

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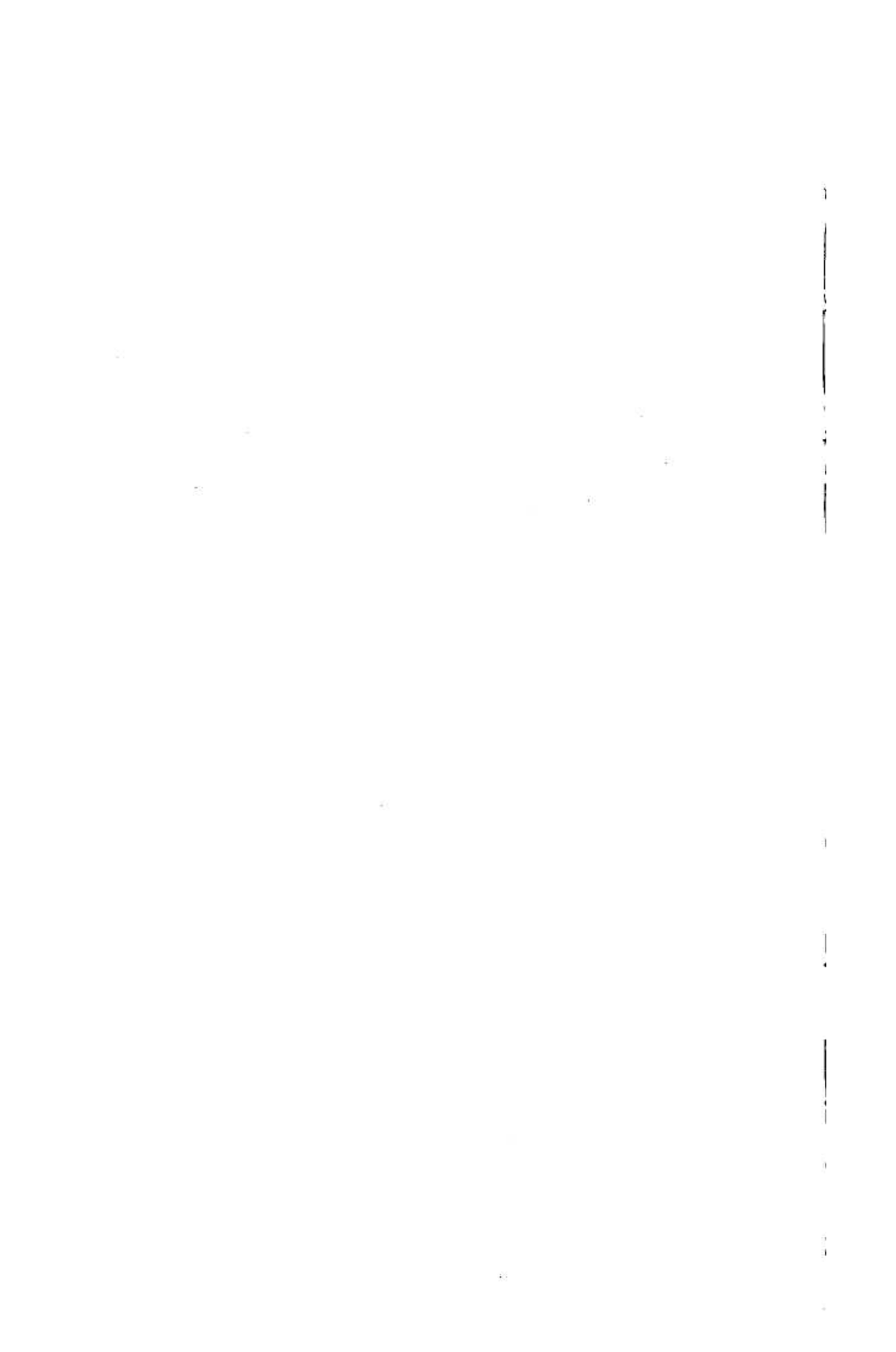
1851.

TO
HIS GRACE THE DUKE OF NORTHUMBERLAND,
THIS ESSAY ON THE
IMPROVEMENT OF THE TYNE,
WHICH, FROM ITS SOURCE TO THE SEA, PASSES SO EXTENSIVELY THROUGH
HIS GRACE'S POSSESSIONS ;
AND IN DEVELOPING WHOSE NAVIGABLE FACILITIES HIS GRACE
EVINCES SO MUCH INTEREST AND KNOWLEDGE,
IS, WITH PERMISSION, RESPECTFULLY DEDICATED, BY HIS GRACE'S
VERY OBLIGED AND OBEIENT SERVANT,
THE AUTHOR.

THE improvement of the Tyne is a topic so much agitated of late, that it might seem, there can hardly remain an opening for its further discussion. It is, however, an irksome, and not always a satisfactory task, to gather results from masses of evidence, often of a contradictory character, and from which, as well as from other sources, we fail, perhaps, at last, to elicit fixed rules or principles, enabling us to substitute fact and certainty for conjecture or opinion.

It is for the purpose of inquiring whether such fixed principles do really exist, and if so, in what manner they admit of a practical application, that the following essay has been written.

The views advanced are illustrated by diagrams, and, it is hoped, are explained with sufficient clearness to render further prefatory remarks unnecessary.



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