NOTES ON THE GEOLOGY, MINERALOGY, AND SPRINGS OF ENGLAND AND WALES

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ON THE

GEOLOGY, MINERALOGY, AND SPRINGS

OF

ENGLAND AND WALES.

TO WHICH IS ADDED

A Glossarial Appendix of Names and Terms

USED IN THE WORK.

FOR THE USE OF TEACHERS AND THE UPPER CLASSES IN SCHOOLS.

BY

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"THE GEOGRAPHICAL WORD-EXPOSITOR."

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PREFACE.

It must not be supposed that this little attempt is intended as anything more than an initiatory step to a knowledge of the geology of England and Wales. The importance of acquiring some information, however brief, on so useful a subject is so obvious that no apology, it is thought, will be needed for its appearance.

If I should, by this small undertaking, be the means of imparting to a few a thirst for increasing their desire for further instruction on this important topic, my most sanguine hopes will be realized. The young student will find the subject much more ably handled and considerably more exhausted in *Recreations in Physical Geography*, and the *World of Waters*, both by Miss Zornlin (Parker and Son); Page's *Rudiments of Geology* (Chambers); Hughes's *Outlines of Physical Geography* (Longman and Co.); and Reid's *Outlines of Physical Geography* (Oliver and Boyd); in all of which he will discover much that will well repay his perusal. The excellent *Map of the Geology of England and Wales* (National Society), by the Rev.

Samuel Clark, Principal of Battersea Training College, should be studied along with this and other works on the geological formations of this country.

Dexter's *Portable Cabinets of Objects* (National Society) should form part of the furniture of every good school, and especially in such schools where a knowledge of "Common Things" is taught. They are most valuable adjuncts to the usual school apparatus.

Should this endeavour to familiarize the study of British geology meet with a sufficient amount of encouragement, it will shortly be followed by others on the physical geography, history, etc., of England and Wales.

EDWIN ADAMS.

Boys' Endowed National School, Dartford,
January 18th, 1857.

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NOTES

OF THE

GEOLOGICAL FORMATIONS, MINERALOGY,

AND

SPRINGS OF ENGLAND AND WALES.

I.—GEOLOGY.

THE geological formations of England and Wales require very attentive perusal, and should be studied, as much as possible, in connection with the physical features of the country. Generally, each particular chain or group of mountains in England (including Wales) corresponds with a particular formation. This fact may be exemplified by the following table:—

SYSTEM.	PART OF SYSTEM.	GEOLOGICAL FORMATION.
(1.) PENNINE	Pennine Chain	*Carboniferous Limestone.*
	Cumbrian Group	*Silurian.*
	North York Moors	*Oolitic.*
(2.) DEVONIAN	Mendip Hills	*Cretaceous Formation.*
	North Downs	
	South Downs	
	Chiltern Hills	
	East Anglian Heights ..	
	Lincoln and York Wolds..	
	Essex and Middlesex Heights	*Tertiary.*
	Exmoor..	*Carboniferous Limestone.*
	Cornish Heights	*Devonian Limestone.*
	Dartmoor	