THE

GEOLOGICAL MAGAZINE;

OR.

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

"THE GEOLOGIST."

NOS. LXXIX. TO XC.

EDITED BY

HENRY WOODWARD, F.G.S., F.Z.S.

HONORARY MEMBER OF THE GEOLOGICAL SOCIETIES OF EDINBURGH, GLASGOW, AND NORWICH; CORRESPONDING MEMBER OF THE NATURAL HISTORY SOCIETY OF MONTREAL; AND OF THE LYCEUM OF NATURAL HISTORY, NEW YORK.

ASSISTED BY

VOL. VIII.

JANUARY-DECEMBER, 1871.

LONDON:

TRÜBNER & Co., 8 and 60, PATERNOSTER ROW.

F. SAVY, 24, RUE HAUTEFEUILLE, PARIS.

1871.

STEPHEN AUSTIN AND SONS, PRINTERS, HERTFORD.

https://doi.org/10.1017/S0016756800192957 Published online by Cambridge University Press

LIST OF PLATES.

PLATES		AGE
I.	British Species of the Genus Dicellograpsus	20
II.	Post-Tertiary Ostracoda from North America	60
III.		104
IV.	Skeleton of Elephas primigenius, Blum., found at Lierre, Belgium	193
v.	Coalbrook-dale Coalfield, showing the Denudation of the Coal-measures	200
VI.	To illustrate Mr. Rofe's Paper on the Structure of Recent and Fossil	
	Crinoidea	241
VII.	To illustrate Mr. Kinahan's Paper on the Metamorphic Rocks of Scotland	
		265
VIII.	To illustrate Mr. Woodward's Paper on the Structure of the Trilobita .	
IX.	To illustrate Mr. Judd's Paper on the Anomalous Growth of certain	
		355
X.		358
XI.	Eophrynus Prestricii, Buckland, sp. Ironstone, Coal-measures, Dudley	
	XIII. Sivatherium giganteum, Falc. and Caut	429
XIV.		590
XV.		$\frac{520}{540}$
Δ٧.	Pine Cone from the Gault	010
	ENGRAVED PORTRAITS.	
Thoma Sir Ro		145 481
	LIST OF WOODCUTS.	
Diagra	mmatic Section across Italy in about the latitude of Rome	11
	Form of the Italian Peninsula at the close of the Eocene Period	13
	of the "Star of South Africa" Diamond	35
Dia	of the "Boar of the Owners District Plant Office and the Manageral in South	90
	m Section of the Orange River Free State and the Transvaal, in South	50
	frica	
	m Section of the Strata of Albany, Somerset, and Cradock, in South Africa	50
	is in the Coprolite Pits of Cambridgeshire	
	f Harlton Hill, Cambridgeshire	69
	ystites Huxleyi, Billings	72
	s to illustrate the Formation of the Terraces of Norway	76
	of Moraine Mound, in the Valley of the Liza, Cumberland	
Section	of Faults in Drift, Stockport, Cheshire	119

List of Woodcuts.

	PACK
Diagram Section to illustrate the Inversion of Carboniferous Strata, Somersetshir	e 153
Concretionary Structure seen in old plastered wall, Co. Mayo, Ireland	. 192
Section along the Chalk Cliffs from Seaford to Eastbourne (Sussex)	. 199
Valley of Denudation	. 206
Actual Valley of Denudation, Coal-measures	. 206
Sketch Map of the State of Iowa	. 222
	. 251
Section of Wastdale	. 253
Section of Drifts from Blackcombe to the Sea	. 255
Sections illustrating the Mode of Occurrence of Drifts near Blackcombe	. 256
Drift Sections along the Shore of Killiney Bay, Co. Dublin 29	
	. 301
Glaciated Block of Limestone from the Rock-surface of a Quarry near Millom	
Parallel Dwift ridges nowth west of Helma	. 309
Parallel Drift-ridges north-west of Holme	. 311
Section of the Red and Chillesford Crags at Butley	. 315
Discussion of the net and officestord orags at buney	
Diagram showing the highest known land in the world, the deepest sea-sounding	
etc., etc.	. 338
Ideal Section of a Volcano	. 339
Cone of Cotopaxi, seen from a distance of thirty miles	. 341
Bird's-Eye View of Mount Wellington, near Auckland	. 342
View of the Crater of Kilauéa, Hawaian Islands	. 342
Islands of Santorin, with the Volcanos on the Islands of Aphroessa and Georg	
in a state of eruption	. 345
Ideal Section of Santorin	. 345
Basaltic Columns from the Giant's Causeway	. 346
	. 347
Section through Basin and Terraces of Siliceous sinter. Hot-springs Te Tarata	i ,
Rotomahana, New Zealand	. 351
Section of Tube of the Great Geyser in Iceland	. 352
Section from Cornbrook to Brown Clee, Shropshire	. 366
Portion of a Cliff of Carboniferous Shales, showing the arrangement of the joint	s 389
Section on Downthrow Side of a Fault, showing Wants in Ironstone Seam fille	d
up with Shales	. 390
Section of three miles of the Cliff west of Cromer	. 409
View of the Wye from the Roof of King Arthur's Cave	. 433
Section of Pit on the Neutral Farm, Butley, Suffolk	. 451
Plan of a Fault observed in the Mer de Glace	. 474
Section across Ravine, west of Ebber Rocks	. 502
	. 530
	. 537
	. 538
Cirque in process of formation. Pass near Engelberg	. 539
Cone of Sequoites ovalis	. 542
	. 543
Sketch-section through Errigal Mountain	
Ice-fluting on Quartzite; Section across Loughs Maam and Slievesnaught .	. 559
TOO THEFTING OF CONTINUES IN CO	