

THE
GEOLOGICAL MAGAZINE.

NEW SERIES.

DECADE II. VOL. IV.

JANUARY—DECEMBER, 1877.

THE
GEOLOGICAL MAGAZINE:

OR,

Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

“THE GEOLOGIST.”

NOS. CLI. TO CLXII.

EDITED BY

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

VICE-PRESIDENT OF THE GEOLOGISTS ASSOCIATION;

MEMBER OF THE AMERICAN PHILOSOPHICAL SOCIETY, PHILADELPHIA;

HONORARY MEMBER OF THE GEOLOGICAL SOCIETIES OF EDINBURGH, GLASGOW, AND NORWICH;

CORRESPONDING MEMBER OF THE GEOLOGICAL SOCIETY OF BELGIUM; OF THE NATURAL

HISTORY SOCIETY OF MONTREAL; AND OF THE LYCEUM OF

NATURAL HISTORY, NEW YORK.

ASSISTED BY

PROFESSOR JOHN MORRIS, F.G.S., &c., &c.,

AND

ROBERT ETHERIDGE, F.R.S., L. & E., F.G.S., &c.

NEW SERIES. DECADE II. VOL. IV.

JANUARY—DECEMBER, 1877.

LONDON:

TRÜBNER & Co., 57 AND 59, LUDGATE HILL.

F. SAVY, 77, BOULEVART ST.-GERMAIN, PARIS.

1877.

HERTFORD :

PRINTED BY STEPHEN AUSTIN AND SONS.

LIST OF PLATES.

PLATES.	PAGE
I. Sketch Map of the Neighbourhood of Newport, Fife, N.B.	8
II. Scottish Lower Silurian Brachiopoda	13
III. <i>Cælodus ellipticus</i> , Egerton. <i>Pycnodus Bowerbanki</i> , Egerton	49
IV. <i>Cælodus gyrodoides</i> , Egerton. <i>Pycnodus pachyrhinus</i> , Egerton	49
V. Upper Devonian Fossils	100
VI. Cambridge Greensand	102
VII. Brachiopoda.....	145
VIII. Clisterata	145
IX. Clisterata	199
X. Tretenterata.....	199
XI. Piles of Lake Dwellings of Möringen	366
XII. Carboniferous Mollusca, Scotland	241
XIII. Carboniferous Ichthyodorulites, Scotland	307
XIV. Geological Panorama of West Coast of Sumatra	443
XV. Map of United States showing Glacial Furrows	481
XVI. Cretaceous Gasteropoda	556

LIST OF WOODCUTS.

	PAGE
Spines of Brachiopoda	14
Two diagram figures illustrating Flotation of Icebergs	69
<i>Blatta helvetica</i> , Heer, Coal-measures, Erbignon	79
Central Europe, Jurassic Period	82
Central Europe, Cretaceous Period	83
Central Europe, Middle Miocene Period	85
<i>Chelone ovata</i> , Heer. <i>Chelone imbricata</i>	84
<i>Glyptostrobus europæus</i> . <i>Taxodium distichum miocenun</i> . <i>Widdringtonia</i> <i>Helvetica</i>	86
<i>Sequoia Langsdorff</i> , cone of	86
Palms of Switzerland, restored from their leaves	87
<i>Elephas primigenius</i> . <i>Elephas antiquus</i>	88
Diagram of Freshwater and Marine deposits near Corfe	130
Vale of the Bourne.....	130
Leaves of Dicotyledons	132
Branch of Conifer	134
Group of Monocotyledons	134
Section of a portion of Oshima	196
Pliocene beds between Sidestrand and Weybourn	305
<i>Fusulina</i> -Limestone and Sandstone	402
Coal-fields of the Urals	404
Section of Northampton Ironstone near Lincoln.....	407
Section of Lincolnshire Limestone	407
Section of the Greetwell Cutting	408
Explanation Map round Lincoln	408
Section at Waddington	408
Geological Section of Valley of the Tiber	434

	PAGE
Reversed Faults in Slates	442
Section showing position of Bunter Conglomerate, Turner Street, Nottingham	498
Laminated Structure of Lower Pitchstone, Dunfon	501
Dykes near Drumadoon Point	505
Spherulitic Felsite	506
Section showing Felsite and Pitchstone on Corriegills shore	507

DALLASTINT ILLUSTRATIONS.

<i>Anthrapalemon Hilliana</i>	56
<i>Homalonotus Dawsoni</i> , Hall	57
