

THE
GEOLOGICAL MAGAZINE,

or Monthly Journal of Geology:

WITH WHICH IS INCORPORATED

'THE GEOLOGIST.'

EDITED BY

T. RUPERT JONES, F.G.S.

COR. ACAD. NAT. SC. PHILAD., IMP. GEOL. INST. VIENNA, ETC. ETC.
PROFESSOR OF GEOLOGY, ETC. IN THE ROYAL MILITARY COLLEGE, SANDHURST.

ASSISTED BY

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

OF THE BRITISH MUSEUM.

VOL. I.

JULY—DECEMBER 1864.

LONDON :

LONGMAN, GREEN, LONGMAN, ROBERTS, & GREEN.

PARIS: J. ROTHSCHILD, 14 RUE DE BUCI.

LEIPSIC: LUDWIG DENICKE. NEW YORK: WILLMER & ROGERS.

1864.

LIST OF PLATES.

PLATES	PAGE
I. II. <i>Thecidium</i> ; Recent and Tertiary	20
III. <i>Acrodus</i> , <i>Lias</i> , <i>Lyme Regis</i>	64
IV. <i>Acrodus</i> , <i>Cestracion</i> , and <i>Chimæra</i>	65
V. <i>Plicatula</i> , <i>Ostrea</i> , and <i>Eurypterus</i>	114
VI. <i>Plinthophorus</i> , Lower Chalk	118
VII. VIII. Banded Flints	149
IX. <i>Involutina</i> , <i>Lias</i>	198
X. <i>Styloinurus</i> , <i>Eurypterus</i> , and <i>Pterygotus</i>	200
XI. XII. Lower Greensand Brachiopoda	256

LIST OF WOODCUTS.

Sketch-map of the Cornish and Devon region in 'Lower Silurian' times	8
<i>Vexillum</i> , a Fossil Fucoid	10
<i>Dædalus</i> , a Fossil Fucoid	11
<i>Myocaris lutraria</i> , Budleigh-Salterton	11
<i>Thecidium Mediterraneum</i>	17
Section of King's Craig, Burntisland	24
Monte Civita and Caprile	41
Lighthouse on Uschruffee Island, Red Sea	41
Section, Alderley Edge, Cheshire	66
Section, W. of Whitecliff Bay	71
Fish-scales, Kimmeridge Clay	93
Section of the Elephant-bed, Malta	140
Section of a Cave, Coast of Malta	141
Mocha-stone in British Museum	146
Section in the Lower Chalk near Ely	151
Kimmeridge Clay and Chalk near Ely	151
Section in the Lower Chalk, Cherry-Hinton	152
Outline of <i>Involutina</i>	195
Shell-wall of <i>Involutina</i>	195
Tail-spine of <i>Styloinurus</i>	199
Section of the Rhaetic Beds at Penarth	237
Cranium of Mammoth	243
Section at Ilford, Essex	245
Section at Bridlington	246