

CONTENTS.

	PAGE
Preface, - - - - -	v
Contents, - . - - - - -	vii
List of Illustrations, - - - - -	ix
Introduction, - - - - -	1
Descriptive Part, - - - - -	2
Fossils of the Drift beds, - - - - -	83
Theoretical Part, - - - - -	84
Physical Evidences of a Marine Submergence, - - - - -	114
Abstract, - - - - -	117
List of Drift-bed Fossils, - - - - -	120
Additional Note, - - - - -	120
List of Foraminifera from the Boulder-clays, - - - - -	120
Index, - - - - -	123
List of Authors, &c., referred to, - - - - -	134

ILLUSTRATIONS.

	PAGE
Map of the County of Ayr showing Localities of Drift Sections and Shell-bearing Beds, - - - - -	1
Diagrams—	
Fig. 1—Stone-capped Clay Columns, Skelmorlie, - - -	8
„ 2—Boulder-clay with a Peat Layer, Gamesloup, - - -	12
„ 3—Laminated Clay on Boulder-clay, Dusk Water, - - -	13
„ 4—Truncated Drum, Noddsdale, - - - - -	16
„ 5—Block resting on narrow end, Largs, - - - - -	17
„ 6—Moraines near Colmonell, - - - - -	19
„ 7—Section of Moraine, Colmonell, - - - - -	19
„ 8—Section near Bringan, - - - - -	25
„ 9—Drum truncated by River Stinchar, - - - - -	28
„ 10—Vertical Burrows (?) Newmilns, - - - - -	31
„ 11—Laminated Clay between two stones, Duisk Valley, - - -	33
„ 12—Contorted Clay under Laminated Clay, Newmilns, - - -	34
„ 13—Limestone Outcrop, with Striae, Lugton Water, - - -	35
„ 14—Boulder-clay on and against Sand-beds, Newmilns, - - -	38
„ 15—Eight Sand-dykes in Boulder-clay, Craufurdland Burn, - - -	38
„ 16—Section on Altimeg Burn, - - - - -	40
„ 16a—Sand Pit and Gravel Mound, Finnie Brae, - - - - -	42
„ 17—Cross Section of Mound, Finnie Brae, - - - - -	42
„ 18—Cross Section of Valley at Finnie Brae, - - - - -	43
„ 19—Two Sand-dykes in Boulder-clay, Annick Water, - - -	44
„ 20—Boulder-clay and Drums near Aldinna, - - - - -	45
„ 21—Drums on Cree Water, - - - - -	45
„ 22—Gravel Drum with Laminated Clay on top, Caaf Water, - - -	46
„ 23—Stratified Boulder-clay, Glen App, - - - - -	49
„ 24—Drift in Dobbington Glen, - - - - -	53
„ 25—Castle Scaur on Greenock Water, - - - - -	58
„ 26—Line of Boulders, Black Water, - - - - -	59
„ 27—Section on Change Burn, - - - - -	60
„ 28—Drift on Gregg Water and Laggan, - - - - -	65
„ 29—Drums on Penwhapple Burn, - - - - -	66
„ 30—Moraine on Polreoch Burn, - - - - -	66
„ 31—Avon Moraine, - - - - -	67
„ 31a—Laminated Clay of Dunnach Water, - - - - -	68
„ 32—Sand Pit, Auldhouseburn, - - - - -	70

Diagrams—*continued*.

	PAGE
Fig. 33—Section with Four Boulder-clays on Gas Water, - - -	73
„ 34—Scaurs on Guelt Water, - - - - -	74
„ 35—Boulder-clay, Earl's Seat Burn, - - - - -	82
„ 36—Angles of the Banks of Glens, - - - - -	88
„ 37—Removal of Block by Land-ice, - - - - -	94
„ 37a—Nine Boulders in Sand-bed on Gas Water, - - -	97
„ 38—Valley of Flood Period choked with Peat, - - -	99
„ 39—Drums at Montraw, looking down Afton Valley, - -	101
„ 40—Drums of Drift near Corwar, - - - - -	102
„ 41—Hills with Rounded Outlines, source of Deugh, - -	103
„ 42—Rock Drums, Knockskae, - - - - -	104
„ 43—View on Euchar Water—Drift Drums, - - - - -	106
„ 44—View of Loch Bradan—Rock Drums, - - - - -	107
„ 45—Drift carved by Glacier Action, - - - - -	108
„ 46—Drift carved by River Action, - - - - -	108
„ 47—Split Boulder, Ladyland Moor, - - - - -	108
„ 48—40-foot-beach-beds carved by Waves of 25-foot-beach, near Mouth of Stinchar, - - - - -	111
„ 49—Drift Drums, north of Ballantrae, - - - - -	118