

CAMBRIDGE LIBRARY COLLECTION

Books of enduring scholarly value

Botany and Horticulture

Until the nineteenth century, the investigation of natural phenomena, plants and animals was considered either the preserve of elite scholars or a pastime for the leisured upper classes. As increasing academic rigour and systematisation was brought to the study of 'natural history', its subdisciplines were adopted into university curricula, and learned societies (such as the Royal Horticultural Society, founded in 1804) were established to support research in these areas. A related development was strong enthusiasm for exotic garden plants, which resulted in plant collecting expeditions to every corner of the globe, sometimes with tragic consequences. This series includes accounts of some of those expeditions, detailed reference works on the flora of different regions, and practical advice for amateur and professional gardeners.

The Trees of Great Britain and Ireland

Although without formal scientific training, Henry John Elwes (1846–1922) devoted his life to natural history. He had studied birds, butterflies and moths, but later turned his attention to collecting and growing plants. Embarking on his most ambitious project in 1903, he recruited the Irish dendrologist Augustine Henry (1857–1930) to collaborate with him on this well-illustrated work. Privately printed in seven volumes between 1906 and 1913, it covers the varieties, distribution, history and cultivation of tree species in the British Isles. The strictly botanical parts were written by Henry, while Elwes drew on his extensive knowledge of native and non-native species to give details of where remarkable examples could be found. Each volume contains photographic plates as well as drawings of leaves and buds to aid identification. The species covered in Volume 5 (1910) include pine, cypress and oak.

Cambridge University Press has long been a pioneer in the reissuing of out-of-print titles from its own backlist, producing digital reprints of books that are still sought after by scholars and students but could not be reprinted economically using traditional technology. The Cambridge Library Collection extends this activity to a wider range of books which are still of importance to researchers and professionals, either for the source material they contain, or as landmarks in the history of their academic discipline.

Drawing from the world-renowned collections in the Cambridge University Library and other partner libraries, and guided by the advice of experts in each subject area, Cambridge University Press is using state-of-the-art scanning machines in its own Printing House to capture the content of each book selected for inclusion. The files are processed to give a consistently clear, crisp image, and the books finished to the high quality standard for which the Press is recognised around the world. The latest print-on-demand technology ensures that the books will remain available indefinitely, and that orders for single or multiple copies can quickly be supplied.

The Cambridge Library Collection brings back to life books of enduring scholarly value (including out-of-copyright works originally issued by other publishers) across a wide range of disciplines in the humanities and social sciences and in science and technology.

The Trees of Great Britain and Ireland

VOLUME 5

HENRY JOHN ELWES
AUGUSTINE HENRY

Cambridge University Press
978-1-108-06936-6 - The Trees of Great Britain and Ireland: Volume 5
Henry John Elwes and Augustine Henry
Frontmatter
[More information](#)

CAMBRIDGE
UNIVERSITY PRESS

University Printing House, Cambridge, CB2 8BS, United Kingdom

Published in the United States of America by Cambridge University Press, New York

Cambridge University Press is part of the University of Cambridge.
It furthers the University's mission by disseminating knowledge in the pursuit of
education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781108069366

© in this compilation Cambridge University Press 2014

This edition first published 1910
This digitally printed version 2014

ISBN 978-1-108-06936-6 Paperback

This book reproduces the text of the original edition. The content and language reflect
the beliefs, practices and terminology of their time, and have not been updated.

Cambridge University Press wishes to make clear that the book, unless originally published
by Cambridge, is not being republished by, in association or collaboration with, or
with the endorsement or approval of, the original publisher or its successors in title.

The original edition of this book contains a number of colour plates,
which have been reproduced in black and white. Colour versions of these
images can be found online at www.cambridge.org/9781108069366

Cambridge University Press
978-1-108-06936-6 - The Trees of Great Britain and Ireland: Volume 5
Henry John Elwes and Augustine Henry
Frontmatter
[More information](#)

THE TREES OF GREAT BRITAIN AND IRELAND

Cambridge University Press
978-1-108-06936-6 - The Trees of Great Britain and Ireland: Volume 5
Henry John Elwes and Augustine Henry
Frontmatter
[More information](#)



NOTICE TO SUBSCRIBERS

ON publishing the Fifth Volume of this work, we desire to explain the unavoidable delay which has taken place in its publication, by saying that we could not foresee the amount of time and work which its preparation required. In the five volumes now issued, we have given subscribers 340 pages and 40 plates more than was promised; yet the vast amount of new material which has come to light since the original prospectus was issued in 1906 compels us to add a Sixth Volume, the materials for which are now ready. As this will be a thick volume, we think that a complete Index to the work will be more convenient to use if printed and bound separately. A few plates of remarkable trees, of kinds described in previous volumes, but not then known to us, will be added; and these may, if desired, be interpolated when the volumes are bound. Another notice will be issued as soon as an estimate can be made of the cost of the Sixth Volume.

We wish to thank most cordially the large number of correspondents and friends who have so greatly assisted us in various ways since we commenced our work; and though we have spared neither time, trouble, nor expense on the Illustrations, we trust that subscribers will forgive any imperfections due to the great difficulty of obtaining successful photographs of trees scattered in remote places throughout the whole of Great Britain and Ireland.

As it is our desire that this work shall be available for reference in public libraries, we would call the attention of librarians to the fact that only a small number of copies remain unsubscribed for.

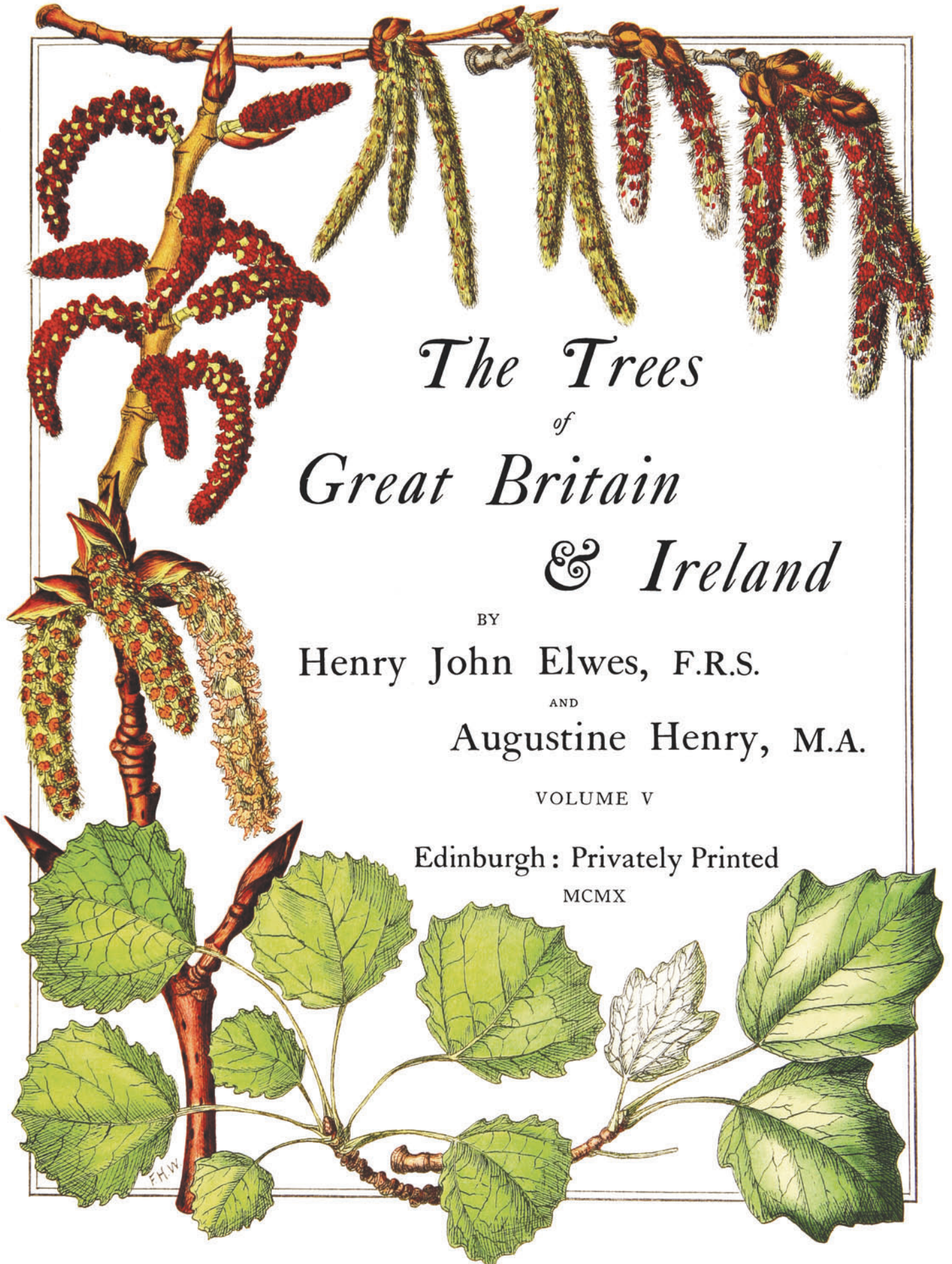
H. J. ELWES.

A. HENRY.



HIMALAYAN SPRUCE ON THE ROAD NEAR NAGKUNDA

From a Drawing by the late Miss North



The Trees
of
Great Britain
& Ireland

BY
Henry John Elwes, F.R.S.
AND
Augustine Henry, M.A.

VOLUME V

Edinburgh: Privately Printed
MCMX

Cambridge University Press
978-1-108-06936-6 - The Trees of Great Britain and Ireland: Volume 5
Henry John Elwes and Augustine Henry
Frontmatter
[More information](#)

CONTENTS

	PAGE
LIST OF ILLUSTRATIONS	vii
PINUS	1001
PINUS EXCELSA, HIMALAYAN BLUE PINE	1011
PINUS PEUKE, MACEDONIAN PINE	1014
PINUS AYACAHUITE, MEXICAN WHITE PINE	1017
PINUS LAMBERTIANA, SUGAR PINE	1020
PINUS MONTICOLA, WESTERN WHITE PINE	1022
PINUS STROBUS, WEYMOUTH PINE, WHITE PINE	1025
PINUS PARVIFLORA, JAPANESE WHITE PINE	1033
PINUS CEMBRA, ALPINE PINE	1035
PINUS KORAIENSIS, KOREAN PINE	1041
PINUS ARMANDI	1043
PINUS PUMILA	1045
PINUS FLEXILIS	1046
PINUS ALBICAULIS, WHITE-BARK PINE	1048
PINUS BUNGEANA	1050
PINUS GERARDIANA, GERARD'S PINE	1052
PINUS BALFOURIANA, FOXTAIL PINE	1054
PINUS ARISTATA, BRISTLE-CONE PINE	1055
PINUS MONOPHYLLA, ONE-LEAF NUT PINE	1056
PINUS EDULIS	1058
PINUS CEMBROIDES	1059
PINUS PARRYANA	1060
PINUS MONTEZUMÆ, MONTEZUMA PINE	1061
PINUS PSEUDOSTROBUS	1064
PINUS TORREYANA	1065
PINUS COULTERI, COULTER'S PINE	1067
PINUS SABINIANA, DIGGER PINE	1069
PINUS PONDEROSA, YELLOW PINE	1071
PINUS TUBERCULATA, KNOB-CONE PINE	1077
PINUS RADIATA, MONTEREY PINE	1079
PINUS PATULA, MEXICAN PINE	1085
PINUS TEOCOTE	1086

iv **The Trees of Great Britain and Ireland**

	PAGE
PINUS RIGIDA, NORTHERN PITCH PINE	1087
PINUS SEROTINA, POND PINE	1090
PINUS PALUSTRIS, LONG-LEAF PINE, PITCH PINE	1091
PINUS TÆDA, LOBLOLLY PINE	1094
PINUS CANARIENSIS, CANARY PINE	1096
PINUS ECHINATA, SHORT-LEAF PINE	1098
PINUS HALEPENSIS, ALEPPO PINE	1099
PINUS MURICATA, BISHOP'S PINE	1104
PINUS PUNGENS	1106
PINUS VIRGINIANA, JERSEY PINE, SCRUB PINE	1107
PINUS BANKSIANA, JACK PINE	1109
PINUS PINASTER, MARITIME PINE	1113
PINUS PINEA, STONE PINE	1119
PINUS DENSIFLORA, JAPANESE RED PINE	1125
PINUS MONTANA, MOUNTAIN PINE	1127
PINUS CONTORTA	1134
PINUS RESINOSA, RED PINE	1140
PINUS THUNBERGII, JAPANESE BLACK PINE	1143
CUPRESSUS	1146
CUPRESSUS SEMPERVIRENS, MEDITERRANEAN CYPRESS	1151
CUPRESSUS TORULOSA, HIMALAYAN CYPRESS	1158
CUPRESSUS CASHMERIANA	1161
CUPRESSUS FUNEBRIS, CHINESE WEEPING CYPRESS	1162
CUPRESSUS MACROCARPA, MONTEREY CYPRESS	1165
CUPRESSUS GOVENIANA, GOWEN'S CYPRESS	1171
CUPRESSUS MACNABIANA, MACNAB'S CYPRESS	1174
CUPRESSUS LUSITANICA, MEXICAN CYPRESS	1176
CUPRESSUS ARIZONICA	1183
CUPRESSUS OBTUSA, HINOKI CYPRESS	1185
CUPRESSUS PISIFERA, SAWARA CYPRESS	1190
CUPRESSUS NOOTKATENSIS, SITKA CYPRESS	1194
CUPRESSUS LAWSONIANA, LAWSON CYPRESS	1200
CUPRESSUS THYOIDES	1210
QUERCUS	1215
QUERCUS PHELLOS, WILLOW OAK	1228
QUERCUS CINEREA, BLUE JACK	1230
QUERCUS IMBRICARIA, SHINGLE OAK	1231
QUERCUS LEANA	1232
QUERCUS HETEROPHYLLA, BARTRAM'S OAK	1233
QUERCUS NIGRA, WATER OAK	1235

Contents

	v
	PAGE
QUERCUS MARYLANDICA, BLACK JACK	1236
QUERCUS CUNEATA, SPANISH OAK	1237
QUERCUS ILICIFOLIA, BEAR OAK	1238
QUERCUS VELUTINA, BLACK OAK, QUERCITRON OAK	1239
QUERCUS KELLOGGII, CALIFORNIAN BLACK OAK	1241
QUERCUS RUBRA, RED OAK	1242
QUERCUS COCCINEA, SCARLET OAK	1247
QUERCUS PALUSTRIS, PIN OAK	1250
QUERCUS SCHNECKII	1251
QUERCUS AGRIFOLIA, CALIFORNIAN LIVE OAK	1252
QUERCUS WISLIZENI	1253
QUERCUS CRASSIPES	1254
QUERCUS CERRIS, TURKEY OAK	1254
QUERCUS LUCOMBEANA, LUCOMBE OAK	1259
QUERCUS ÆGILOPS, VALONIA OAK	1268
QUERCUS CASTANÆFOLIA, CHESTNUT-LEAVED OAK	1271
QUERCUS MACEDONICA	1273
QUERCUS LIBANI	1274
QUERCUS SERRATA	1275
QUERCUS VARIABILIS	1276
QUERCUS DENTATA	1277
QUERCUS ALNIFOLIA	1278
QUERCUS COCCIFERA, KERMES OAK	1279
QUERCUS ILEX, ILEX OR HOLM OAK	1281
QUERCUS TURNERI, TURNER'S OAK	1288
QUERCUS AUDLEYENSIS	1291
QUERCUS SUBER, CORK OAK	1292
QUERCUS SEMECARPIFOLIA	1297
QUERCUS INCANA	1298
QUERCUS PHILLYRÆOIDES	1298
QUERCUS CHRYSOLEPIS	1299
QUERCUS GLABRESCENS	1300
QUERCUS ALBA, WHITE OAK	1301
QUERCUS LYRATA, OVERCUP OAK	1303
QUERCUS MACROCARPA, BURR OAK	1304
QUERCUS LOBATA, CALIFORNIAN VALLEY OAK	1306
QUERCUS BICOLOR, SWAMP WHITE OAK	1307
QUERCUS PRINUS, CHESTNUT OAK	1309
QUERCUS MUEHLENBERGII, YELLOW OAK	1310
QUERCUS PRINOIDES	1311

vi **The Trees of Great Britain and Ireland**

	PAGE
QUERCUS OBTUSATA	1312
QUERCUS TOZA, PYRENEAN OAK	1313
QUERCUS CONFERTA, HUNGARIAN OAK	1316
QUERCUS MIRBECKII, ALGERIAN OAK	1318
QUERCUS PONTICA	1321
QUERCUS MACRANTHERA	1322
QUERCUS LUSITANICA, PORTUGUESE OAK	1322
QUERCUS INFECTORIA	1325
QUERCUS GLANDULIFERA	1327
QUERCUS GROSSESERRATA	1327
QUERCUS GLAUCA	1328
QUERCUS VIBRAYEANA	1329
QUERCUS ACUTA	1330
QUERCUS DENSIFLORA	1331
QUERCUS GLABRA	1332
QUERCUS CUSPIDATA	1332

ILLUSTRATIONS

Himalayan Spruce on the road near Nagkunda (from a drawing by the late Miss North)	<i>Frontispiece</i>
	PLATE No.
Sugar Pine in California	271
Sugar Pine at Eastnor Castle	272
Western White Pine at Murthly Castle	273
Japanese White Pine in Japan	274
Alpine Pine in the Engadine	275
White-bark Pine in Montana	276
Foxtail Pine in California	277
Montezuma Pine at Fota	278
Coulter's Pine at Hoddesdon	279
Digger Pine at Ledbury	280
Yellow Pine in Montana	281
Monterey Pine at Cuffnells	282
Monterey Pine at Goodwood	283
Monterey Pine at Muckcross	284
Mexican Pine at Carclew	285
Northern Pitch Pine at Arley Castle	286
Aleppo Pine in Syria	287
Aleppo Pine at Margam Park	288
Jack Pine in Minnesota	289
Maritime Pine at Foxley	290
Stone Pine in Portugal	291
Lodge-pole Pine at Merton Hall	292
Mediterranean Cypress at Heron Court	293
Mediterranean Cypress near Montpellier	293A
Himalayan Cypress at Cuffnells	294
Monterey Cypress in California	295
Monterey Cypress at Beauport	296
Monterey Cypress at Tykillen	297
Monterey Cypress at Osborne	298
Gowen's Cypress at Dropmore	299
Mexican Cypress at Hemsted	300
Portuguese Cypress at Oriel Temple	301

viii The Trees of Great Britain and Ireland

	PLATE No.
Bentham's Cypress at Fota	302
Hinoki Cypress near Imaichi, Japan	303
Hinoki Cypress in Japan	304
Sawara Cypress at Bicton	305
Sitka Cypress on Mount Rainier	306
Sitka Cypress in Snohomish County, Washington ; Sitka Cypress in Nisqually Valley, Washington	307
Sitka Cypress at Tortworth	308
Lawson Cypress at Killerton	309
Lawson Cypress at Castlewellan	310
White Cedar in North Carolina	311
Water Oak at Lyndon Hall	312
Black Oak at Bayfordbury	313
Red Oak at Kedleston Hall	314
Pin Oak in Windsor Park	315
Turkey Oak at Belton	316
Turkey Oak at Mamhead	317
Turkey Oak at Mamhead	318
Fulham Oak at Kew	319
Lucombe Oak at Castle Hill	320
Lucombe Oak at Killerton	321
Valonia Oak at Lyndon Hall	322
Chestnut-leaved Oak in Algeria ; Algerian Oak in Algeria	323
Ilex at Holkham	324
Ilex Grove at Holkham	325
Ilex at Mamhead	326
Hybrid Oak at Audley End	327
Cork Oak at Mamhead	328
Swamp White Oak at Lyndon Hall	329
Pyrenean Oak at Clonmannon	330
Hungarian Oak at Orton Hall	331
Algerian Oak at Hursley Park	332
Quercus ; leaves, etc.	333
Quercus ; leaves, etc.	334
Quercus ; leaves, etc.	335
Quercus ; leaves, etc.	336
Quercus ; leaves, etc.	337
Quercus ; leaves, etc.	338
Quercus ; leaves, etc.	339