

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 7 (1913) include lime, box, willow, poplar and elm. The work's index appeared separately in 1913 but is now incorporated in this volume.



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 7

HENRY JOHN ELWES AUGUSTINE HENRY





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/9781108069380

© in this compilation Cambridge University Press 2014

This edition first published 1913 This digitally printed version 2014

ISBN 978-1-108-06938-0 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.

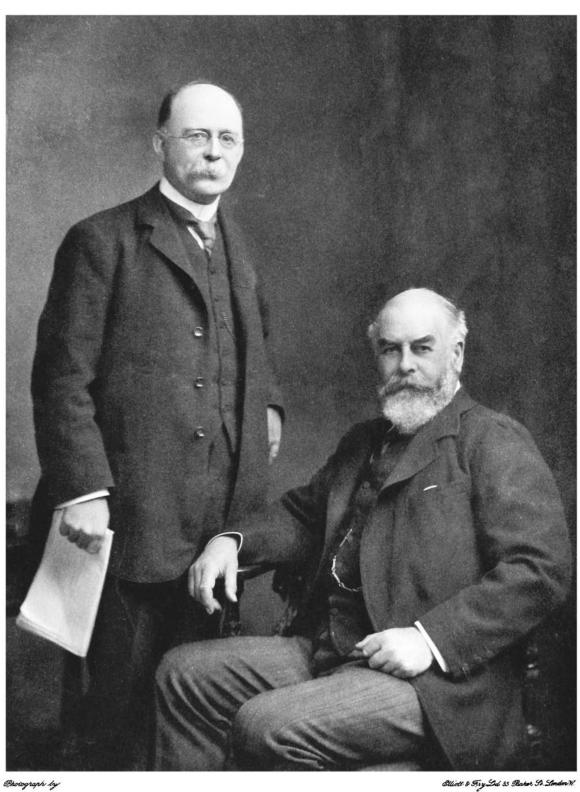


THE TREES OF GREAT BRITAIN AND IRELAND





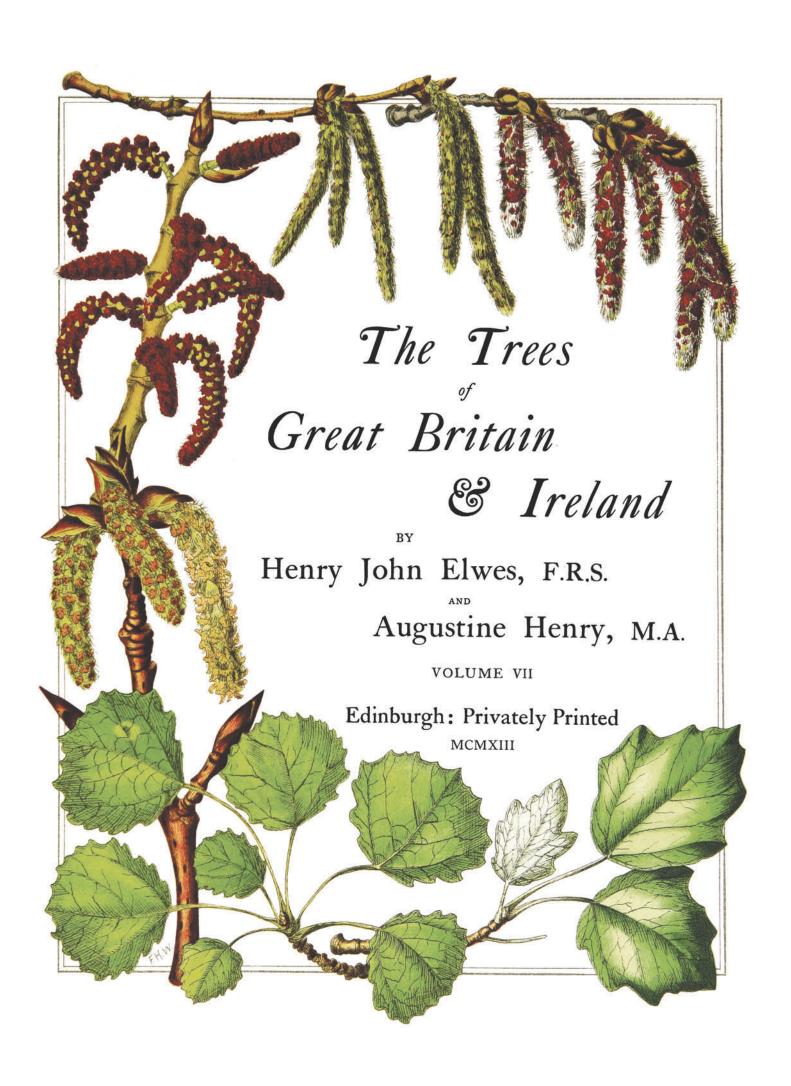




A. HENRY

Elliott & Fry Lod 55 Baker St. London W.

H. J. ELWES







CONTENTS

| LIST OF ILLUSTRATIONS | • | | ٠ | | | • | | vii |
|--|------|---|---|---|---|---|---|------|
| TILIA | • | | • | | • | | | 1653 |
| Tilia cordata, Small-leaved Lime | • | | | • | • | | | 1656 |
| TILIA PLATYPHYLLOS, LARGE-LEAVED LIME | · | | | | • | | | 1661 |
| Tilia vulgaris, Common Lime . | | | | | | | • | 1664 |
| Tilia euchlora | , | | | | • | | | 1674 |
| TILIA TOMENTOSA, WHITE LIME . | • | | | | | | | 1675 |
| TILIA PETIOLARIS, WEEPING WHITE LIME | • | | | • | • | | | 1677 |
| Tilia mongolica . | | | | • | • | | • | 1679 |
| TILIA PAUCICOSTATA | | • | | | | | | 1680 |
| Tilia Oliveri | • | | | | | | • | 1681 |
| Tilia mandshurica . | • | • | | | | • | | 1682 |
| Tilia Maximowicziana | | | | | | | | 1683 |
| Tilia Miqueliana | | | | | • | | | 1684 |
| Tilia americana, American Lime, Bass-v | WOOD | | | | • | • | | 1685 |
| Tilia heterophylla | | | | • | • | | | 1688 |
| Tilia Michauxii | | • | | • | | | | 1689 |
| Trachycarpus | | • | | • | • | | | 1690 |
| Trachycarpus Fortunei, Chusan Palm | | • | | • | | | | 1690 |
| Acanthopanax | • | • | | • | • | • | | 1694 |
| Acanthopanax ricinifolium . | • | • | | | • | | | 1694 |
| Acacia | | • | | • | | | | 1697 |
| Acacia dealbata, Silver Wattle . | • | | | • | • | | | 1697 |
| Acacia melanoxylon, Blackwood. | • | ٠ | | | | | | 1699 |
| Laurelia | | • | | • | • | | | 1700 |
| Laurelia serrata | | • | | | | | | 1701 |
| ILEX | | • | | • | • | • | | 1702 |
| ILEX AQUIFOLIUM, COMMON HOLLY | | | | | | • | | 1704 |
| Buxus | | | • | | | | | 1721 |
| Buxus sempervirens, Common Box | | • | • | | | | | 1724 |
| Cratægus | • | • | | | • | | • | 1731 |
| | | | | | | | | |



iv The Trees of Great Britain and Ireland

| | | | | | | | PAGE |
|--|----|---|---|---|---|---|------|
| CRATÆGUS MONOGYNA, HAWTHORN, WHITETHORN | | | | • | | | 1733 |
| Cratægus oxyacantha, Hawthorn, Whitehorn | • | | • | | • | • | 1739 |
| Salix | • | | • | • | • | | 1743 |
| SALIX CAPREA, SALLOW, GOAT WILLOW . | • | • | • | | | • | 1745 |
| Salix pentandra, Bay Willow | | • | • | • | • | | 1747 |
| SALIX BABYLONICA, WEEPING WILLOW . | • | | • | • | • | | 1749 |
| Salix fragilis, Crack Willow | ٠ | | • | | | | 1754 |
| Salix alba, White Willow | • | • | • | • | • | | 1759 |
| SALIX CŒRULEA, CRICKET-BAT WILLOW . | • | | • | • | | | 1763 |
| Salix vitellina, Golden Willow | | • | • | | | | 1768 |
| Populus | • | | | • | | | 1770 |
| Populus alba, White Poplar | | | | | | | 1777 |
| Populus canescens, Grey Poplar. | | | • | | | | 1780 |
| Populus tomentosa | | | • | | • | | 1786 |
| Populus tremula, Aspen | | • | • | • | | | 1787 |
| Populus tremuloides, American Aspen . | | • | • | • | | | 1791 |
| Populus grandidentata | • | | | | | | 1792 |
| Populus Sieboldii | | | | | | | 1794 |
| Populus Fremontii | • | | | | | • | 1794 |
| Populus nigra, Black Poplar | | | | | • | | 1795 |
| Populus monilifera, Canadian Black Poplar | | | | | | • | 1807 |
| Populus angulata, Carolina Poplar . | | | | • | | | 1810 |
| Populus serotina, Black Italian Poplar | | | | • | | | 1816 |
| Populus regenerata | • | | | • | | | 1824 |
| Populus Eugenei | • | • | | • | • | • | 1826 |
| Populus marilandica | • | | • | , | | | 1828 |
| Populus Henryana | | | • | | | | 1829 |
| Populus robusta : | | | | | | • | 1829 |
| POPULUS LLOYDII | | | | | | | 1830 |
| Populus angustifolia | • | | • | • | | • | 1831 |
| Populus balsamifera, Balsam Poplar . | | | • | • | • | | 1832 |
| Populus candicans, Ontario Poplar . | | • | | | • | | 1834 |
| Populus trichocarpa, Western Balsam Poplar | ٤. | | | • | • | | 1836 |
| Populus Maximowiczii | | • | | • | • | | 1838 |
| Populus Simonii | • | | | | • | | 1839 |
| Populus tristis | | | | • | | | 1840 |
| Populus suaveolens . | • | | | | • | | 1841 |
| Populus laurifolia . | • | • | | | | | 1842 |
| Populus lasiocarpa . | | • | | | | | 1846 |
| Ulmus | • | | | | | | 1847 |



KOELREUTERIA PANICULATA.

Contents \mathbf{v} PAGE ULMUS PEDUNCULATA, EUROPEAN WHITE ELM 1851 ULMUS AMERICANA, AMERICAN WHITE ELM 1855 1860 Ulmus racemosa, Rock Elm 1862 ULMUS FULVA, SLIPPERY ELM ULMUS MONTANA, WYCH ELM 1864 ULMUS VEGETA, HUNTINGDON ELM, CHICHESTER ELM 1879 1883 ULMUS MAJOR, DUTCH ELM 1887 ULMUS NITENS, SMOOTH-LEAVED ELM ULMUS MINOR, GOODYER'S ELM 1901 Ulmus campestris, English Elm . 1903 ULMUS JAPONICA 1923 ULMUS ALATA, WAHOO, WINGED ELM 1924 ULMUS CRASSIFOLIA. 1925 1926 ULMUS PUMILA 1928 Ulmus parvifolia . 1930 Koelreuteria

1932





ILLUSTRATIONS

| Portrait of the Authors | | • | | • | | • | Fron | ntispiece |
|---|--------|---|---|---|---|---|------|-----------|
| | _ | | | | | | P | LATE No. |
| Small-leaved Lime at Sprowston, Norwick | h. | • | • | • | • | • | ٠ | 372 |
| White Lime at Albury | • | • | • | • | ٠ | • | • | 373 |
| Weeping White Lime at Hatherop Castle | e . | • | • | • | | • | • | 374 |
| Chusan Palm at Lamorran | • | • | • | • | • | • | • | 375 |
| Acacia dealbata at Derreen | | | | | • | • | | 376 |
| Holly at Gordon Castle | • | • | • | | | | | 377 |
| Whitethorn at Hethel . | | • | | • | , | • | • | 378 |
| Weeping Willow at Cheltenham . | | • | | • | | • | | 379 |
| White Willow at Haverholme . | • | ٠ | ٠ | | | | | 380 |
| Cricket-bat Willow at Hertford . | | • | | | | | | 381 |
| Grey Poplar at Colesborne | • | • | | | | | | 382 |
| Female Lombardy Poplar in Brunswick | • | | | | , | | • | 383 |
| Carolina Poplar at Danny Park . | • | • | | • | • | | | 384 |
| Fastigate Black Poplars in Belgium . | - | • | • | • | | | • | 385 |
| Black Italian Poplar at Belton . | • | | • | • | | • | • | 386 |
| Balsam Poplar at Bute House, Petershan | n . | • | • | • | • | | | 387 |
| Western Balsam Poplar in Vancouver Isl | land . | | | | ٠ | | | 388 |
| European White Elm at Syon . | | • | | • | | | • | 389 |
| European White Elm at Ugbrooke . | | • | | | | • | | 390 |
| American White Elm in Massachusetts | | | | | | | | 391 |
| American White Elm at Hargham . | | • | ٠ | | | | | 392 |
| Weeping Wych Elm at Glasnevin . | | | • | | | | | 393 |
| Wych Elm at Studley Royal | | | | | | | | 394 |
| Huntingdon Elm at Magdalen College, (| Oxford | | | | | • | | 3.95 |
| Elms in Kensington Gardens | | • | | | | | | 396 |
| Cornish Elms at Coldrenick . | | | | | • | | | 397 |
| Wheatley Elm at Richmond . | r | • | • | • | | | • | 398 |
| Smooth-leaved Elm at Sharpham | | • | | | | | | 399 |
| Wych Elm at Cassiobury | | | | | | | | 400 |
| | | | | | | - | | |



viii The Trees of Great Britain and Ireland

| | | | | | | | | | P | LATE No |
|------------------------------|----|---|---|---|---|---|---|---|---|---------|
| Smooth-leaved Elm at Briggin | is | • | | • | • | • | • | | | 401 |
| Smooth-leaved Elm at Saling | | | | • | | • | | • | | 402 |
| Goodyer's Elm at Weston Bir | t. | | | • | • | • | • | • | | 403 |
| English Elm at Powderham . | | | | • | | | | • | • | 404 |
| English Elms at Well Vale | | • | | | | | • | | • | 405 |
| Fastigiate Beech at Dawyck | • | | | • | | | | • | | 406 |
| Tilia; leaves, etc | | • | | | • | | • | • | | 407 |
| Populus; leaves, etc. | • | • | | • | • | • | • | • | | 408 |
| Populus; leaves, etc. | • | | • | | | • | | • | | 409 |
| Populus; leaves, etc. | • | | | • | | • | • | | • | 410 |
| Ulmus; leaves, etc | • | • | • | | | • | • | • | • | 411 |
| Illmus : leaves etc | | | | | | | | | | 412 |