

FIELD NOTES ON APPLE CULTURE

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649416240

Field Notes on Apple Culture by L. H. Bailey

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

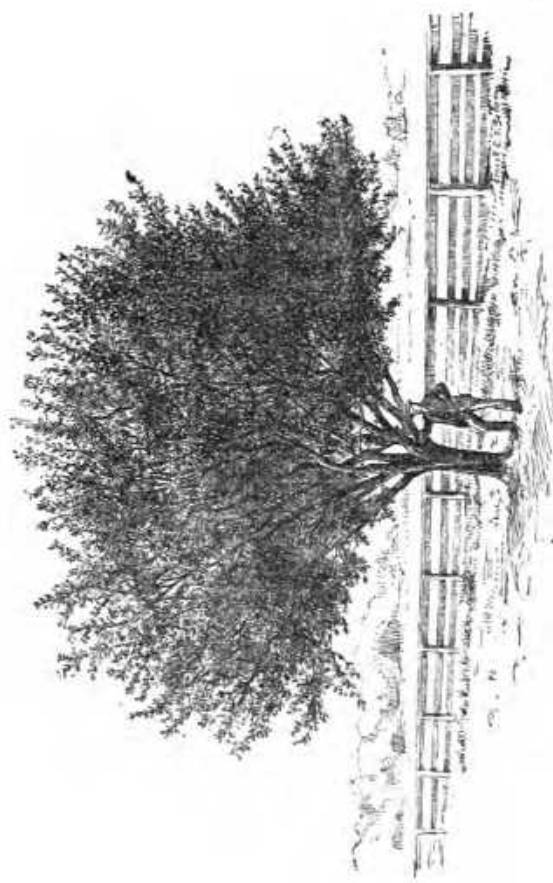
Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

L. H. BAILEY

**FIELD NOTES ON
APPLE CULTURE**



[FRUITFULNESS]

A MODEL APPLE TREE.

FIELD NOTES
ON
APPLE CULTURE.

BY
L. H. BAILEY, JR.

ILLUSTRATED



NEW YORK:
ORANGE JUDD COMPANY,
53 & 54 LAFAYETTE PLACE.
1898.

To

My Father,

THE RESULTS OF WHOSE TEACHINGS

ARE EMBODIED IN THESE PAGES

These notes have been prepared with a view to afford a guide to those who would engage in apple culture. The teachings here conveyed are founded upon successful practice. The author has aimed to so guide the novice that mistakes may be avoided in the endeavor to reach profitable results. Some of the papers have appeared in the "American Cultivator" and elsewhere.

L. H. B., JR.

Michigan Agricultural College, October, 1886.

CONTENTS.

CHAPTER I.	
Soil, Location and Windbreaks.....	9
CHAPTER II.	
Setting the Trees.—Distances.....	13
CHAPTER III.	
When to Plant.....	16
CHAPTER IV.	
Selecting Varieties of Fruit.....	18
CHAPTER V.	
Cheap Fruit Trees.....	22
CHAPTER VI.	
How to Plow an Orchard.—Orchard Tillage.....	24
CHAPTER VII.	
Manures for the Orchard.....	28
CHAPTER VIII.	
Sod in the Orchard.....	31
CHAPTER IX.	
General Notes on Pruning.—Forms of Trees.....	33
CHAPTER X.	
High or Low Heads for Apple Trees.....	37
CHAPTER XI.	
Training and Repairing Orchard Trees.—Scraping.....	39
CHAPTER XII.	
General Notes on Grafting.....	45
CHAPTER XIII.	
Top-Grafting Old Apple Trees.....	51
CHAPTER XIV.	
Longevity of Apple Trees.....	54
CHAPTER XV.	
Picking Fruit.—When to Pick.....	55

	CHAPTER XVI.	
Packing Apples		59
	CHAPTER XVII.	
Profits in Apple Culture.—Shall We Plant More Orchards? —Losses from Theft.....		66
	CHAPTER XVIII.	
Winter Preparations		73
	CHAPTER XIX.	
Injurious Insects.....		75
	CHAPTER XX.	
Borers		77
	CHAPTER XXI.	
Codlin Moth		85

ILLUSTRATIONS.

A Model Apple Tree	<i>Frontispiece.</i>
Figure 1.—Tree-Placing Implement.....	15
Figure 2.—Shoulder of a Limb.....	34
Figure 3.—A Short Ladder	35
Figure 4.—Twisted Branches in a Crotch	41
Figure 5.—Living Brace in a Crotch	43
Figure 6.—Tree Prepared for Top-Grafting	47
Figure 7.—Grafting Knife.....	48
Figure 8.—Grafting Mallet	49
Figure 9.—A Scion.....	50
Figure 10.—Stub with Scions in Place.....	50
Figure 11.—Picker	56
Figure 12.—Picker	56
Figure 13.—Hook	56
Figure 14.—Beetle of Round-headed Borer	77
Figure 15.—The Round-headed Borer	77
Figure 16.— <i>Saperda Crotata</i>	83
Figure 17.—The Beetle.....	83
Figure 18.—Flat-Headed Borer	83
Figure 19.—Codlin Moth.....	85

FIELD NOTES ON APPLE CULTURE.

CHAPTER I.

SOIL, LOCATION AND WINDBREAKS.

As a rule, rather light or loamy soils, with deep and porous subsoils, are best adapted to apple growing. Natural drainage is imperative. Apple trees are impatient of wet feet. Cold and backward soils, even if well underdrained, do not give good results. I am not to be understood as discouraging tile drainage, but I prefer a soil naturally well drained to one tile-drained. Naturally drained soils are warm soils. I have in mind a contrast between two prominent Michigan orchards. Both were planted about twenty-five years ago, and with essentially the same varieties. One stands upon a rather poor sand, which possesses no decided subsoil higher than ten or twelve feet below the surface. The orchard has received good culture, but no underdraining, and the trees are to-day vigorous and productive. The other orchard stands upon a heavy loam, with a clay or hard-pan subsoil within two feet of the surface. The land has been remarkably