

**EIGHTH ANNUAL REPORT
OF THE SECRETARY
OF THE MAINE BOARD
OF AGRICULTURE, 1863**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649058082

Eighth Annual Report of the Secretary of the Maine Board of Agriculture, 1863 by Various

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.

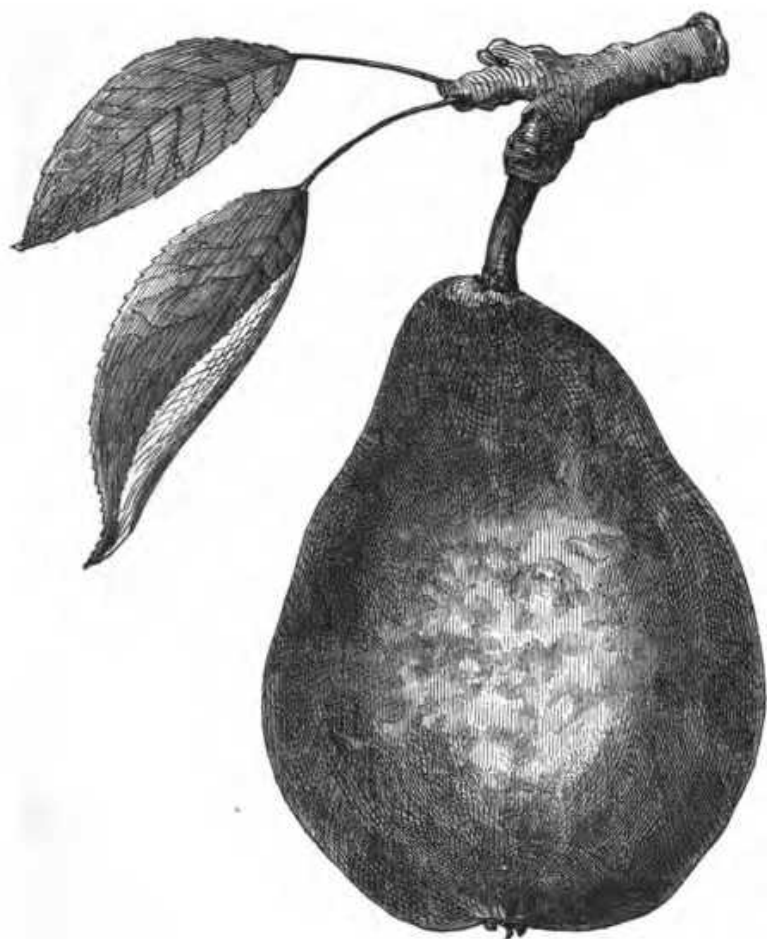
Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

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

VARIOUS

**EIGHTH ANNUAL REPORT
OF THE SECRETARY
OF THE MAINE BOARD
OF AGRICULTURE, 1863**



CLAPP'S FAVORITE PEAR.

[See page 266.]

k

EIGHTH ANNUAL REPORT

OF THE

SECRETARY

OF THE

MAINE BOARD OF AGRICULTURE.

1863.



Augusta:

Stevens & Sayward, Printers to the State.

1863.

6

~~345~~

sci 1635.22.9

1869, Mar. 26.

By Exchange of Dupls.
given by
Saml N. Green, M.D.

BOARD OF AGRICULTURE...1863.

SAMUEL F. PERLEY, PRESIDENT.
 SAMUEL WASSON, VICE PRESIDENT.
 S. L. GOODALE, SECRETARY.

NAME.	COUNTY.	P. O. ADDRESS.
Term expires January, 1864.		
S. F. Perley, . . .	Cumberland, . . .	Naples.
George A. Rogers, . . .	Sagadahoc, . . .	Topsham.
Ellis Fish, . . .	Somerset, . . .	Hartland.
Farnum Jewett, . . .	Oxford, . . .	North Waterford.
S. L. Goodale, . . .	York, . . .	Saco.
Term expires January, 1865.		
J. C. Weston, . . .	Penobscot, . . .	Bangor.
Samuel Wasson, . . .	Hancock, . . .	Ellsworth.
Seward Dill, . . .	Franklin, . . .	Phillips.
J. W. Haines, . . .	Aroostook, . . .	Maple Grove.
Lyman Lee, . . .	Piscataquis, . . .	Foxcroft.
W. R. Waterman, . . .	Washington, . . .	Robbinston.
Term expires January, 1866.		
Calvin Chamberlain, . . .	Maine State Society, . . .	Foxcroft.
Joseph Percival, . . .	Kennebec, . . .	Waterville.
Cyrus M. Pratt, . . .	Androscoggin, . . .	Greene Corner.
Sumner Leach, . . .	Lincoln, . . .	Warren.
_____ , . . .	Waldo, . . .	_____.

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

REPORT.

To the Senate and House of Representatives :

The Board of Agriculture convened at the State House in Augusta, January 21, 1863, in accordance with the provisions of law, and was called to order by the Secretary.

Messrs. Dill, Fish and Rogers were appointed a Committee on Credentials, who reported a quorum present. Permanent organization was then effected by the unanimous election of

SAMUEL F. PERLEY, *President.*

SAMUEL WASSON, *Vice President.*

S. L. GOODALE, *Secretary.*

Messrs. Weston, Chamberlain and Wasson were appointed a Business Committee to report subjects for the consideration of the Board.

Pending the Report of this Committee, several reports were presented upon subjects investigated during the interim since the last session of the Board.

Mr. Rogers offered the following Report upon

EXPERIMENTS IN POTATO CULTURE.

The Committee appointed to collect, compare and report upon the results of the experiments proposed by the Board at its last session, with reference to ascertaining the distance at which potatoes should be planted to secure the best results, have attended to that duty and report :

They have been able to collect the result of but eighteen experiments, conducted by eleven different individuals, in various sections of the State. These came in so varied forms, that, although each indicated the result of the experiment, it was found impossible to arrange them in a compact table. In almost every instance we

have found that the closer planting produced the greater yield, though there were exceptions to this general result.

After having carefully examined and compared the returns of the several experiments, your Committee find that, although the close planting produced the greatest amount, yet the result indicated to us that the increased yield *did not* compensate for the extra seed and increased amount of labor required in cultivation.

The conclusion arrived at by your Committee is, that the returns indicate that two feet by three, produces a better result of crop, all things considered, than a greater or less distance; yet this should be varied somewhat, by the variety of potato intended to be grown.

A few of the experiments, although they may not coincide exactly with the conclusions arrived at by your Committee, were nevertheless so carefully conducted, and so faithfully and clearly reported, that we deem them worthy of being returned to this Board in connection with this report. We would call attention particularly to those conducted by Calvin Chamberlain of Foxcroft, and William D. Dana of North Perry.

Experiment by C. Chamberlain, Foxcroft.

The variety of potato planted, is known as the Orono or Reed. The planting was on May-9th. The land was in tough sod, and plowed in October, 1861. It had been mowed ten years, and in that time had received one slight top-dressing of phosphate of lime, and one of ashes. It had become much exhausted. The soil is a slate loam, dry and stony. The spring culture was simply harrowing. The rows were marked by drawing a chain. One peck of fish guano was scattered evenly in each row; the seed, one piece in each hill, was dropped on the surface and slightly covered. No rain fell after the planting, till June 18th. On account of the drought the hoeing and hilling was done soon after the most advanced tops appeared. The dressing was calculated at the rate of twenty-seven and a half bushels per acre, at a cost of \$19.25. We state thus particularly for the purpose of showing the result of the application of a fertilizer not much known, except immediately on the coast. The potatoes produced in this experiment are of excellent quality—good and sound at this date (January.) Those marked *refuse* in the table, were the small ones, together with an occasional one of the largest size having discolored spots, showing disease. Less than eight per cent. of result is in this column.