

**TRANSACTIONS OF THE MINNESOTA  
STATE HORTICULTURAL SOCIETY,  
PROCEEDINGS, ESSAYS, AND  
REPORTS AT THE ANNUAL WINTER  
MEETING, HELD AT ROCHESTER,  
JANUARY 15TH, 16TH AND 17TH, 1878**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649521364

Transactions of the Minnesota State Horticultural Society, Proceedings, Essays, and Reports at the Annual Winter Meeting, Held at Rochester, January 15th, 16th and 17th, 1878 by Chas. Y. Lacy

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](http://www.triestepublishing.com)

**CHAS. Y. LACY**

**TRANSACTIONS OF THE MINNESOTA  
STATE HORTICULTURAL SOCIETY,  
PROCEEDINGS, ESSAYS, AND  
REPORTS AT THE ANNUAL WINTER  
MEETING, HELD AT ROCHESTER,  
JANUARY 15TH, 16TH AND 17TH, 1878**



TRANSACTIONS  
OF THE  
MINNESOTA  
STATE HORTICULTURAL SOCIETY,

---

PROCEEDINGS, ESSAYS, AND REPORTS

AT THE

ANNUAL WINTER MEETING,

HELD AT

*Rochester, January 15th, 16th and 17th, 1878.*

---

PREPARED BY CHAS. Y. LACY, SECRETARY.

---

MINNEAPOLIS:  
JOHNSON, SMITH & HARRISON.  
1878,

## CONTENTS.

---

	PAGE.
Officers for 1878.....	11
Standing Committees.....	11
Corresponding Societies.....	12
Members for 1878.....	15
Fruit Lists as approved or revised at Rochester.....	17
Proceedings at Winter Meeting at Rochester.....	21
Judge Eaton's Address of Welcome.....	23
Pres. Smith's Reply.....	26
Committees Appointed.....	26
Commercial Fertilizers—Discussions.....	27
Wood Ashes.....	27
L. R. Hodges, Paper on Planting Trees for Shade and Ornament.....	28
Planting Trees for Shade and Ornament—Paper.....	28
Varieties best adapted for the purpose.....	29
Acer saccharinum—Sugar Maple.....	29
Juglans nigra—Black Walnut.....	30
Juglans cinerea—Butternut.....	30
Tilia Americana—Basswood.....	30
Fraxinus Americana—White Ash.....	30
" sambucifolia—Black Ash.....	31
Populus angulata—Cottonwood.....	31
Evergreens.....	31
How to plant them.....	31
After care.....	33
When to plant.....	33
Discussion on same.....	34
Evergreens.....	34
Butternuts.....	34
Chestnuts.....	35
Horse Chestnuts.....	35
Apple List, discussion and revision of.....	35
Wealthy—Duchess.....	35
Tetofsky.....	37
White Astrachan.....	37
Haas.....	37
Plumb's Cider.....	38
Price's Sweet.....	38

	PAGE.
Saxton.....	38
St. Lawrence.....	39
White Astrachan and Elgin Beauty.....	39
Melinda—Stewart's Sweet.....	39
Walbridge.....	40
Peach.....	40
"Apple trial by amateurs and pomologists".....	40
Clara.....	40
Jefferson County.....	41
Prof. Lacy's Paper on "Education for Farmers".....	41
Mr. Harris' Report on Horticultural Exhibit at State Fair.....	41
Horticultural Exhibit at State Fair of 1877.....	41
Apples.....	42
Grapes.....	41
Garden Vegetables.....	42
Premium List.....	43
Tree Planting Laws, referred to committee.....	43
Sugar and Syrup—Discussion.....	44
Best Variety.....	44
Planting—Harvesting.....	44
Sprouting the Seed.....	45
Soil.....	46
Cultivation.....	46
Time to Harvest.....	46
Machinery.....	47
Yield per Acre.....	47
Cost of Production.....	48
Selling Price.....	48
History of Early Amber Cane.....	49
Crab and Siberian Apple, —Discussion and Revision of Lists.....	50
Transcendent.....	51
Virginia.....	51
Orange.....	52
Early Strawberry.....	52
Meader's Red Winter.....	52
Power's Large Red.....	52
Hyslop.....	53
Russell's Sweet Winter.....	53
Minnesota.....	53
Conical.....	53
Meader's Sweet Russet.....	53
Minnesota (again).....	54
Beach's Sweet (Beecher's).....	54
Quaker Beauty.....	54
Maiden's Blush.....	55
Hesper Blush.....	55
Woodland Winter (Woodlawn Red).....	56
Aiken's Striped Winter.....	56
General Grant.....	56
Whitney's No. 20—Alaska—Brier's Sweet.....	57

	PAGE.
Hutchinson's Sweet.....	57
Aiken's Green Winter.....	57
Power's Large Red (again).....	57
Mr. Mendenhall's Paper "The Cabbage Butterflies".....	57
Cabbage Butterflies.....	57
Mr. Harris' Report on "Injurious Insects".....	61
Injurious Insects, Report on.....	61
Chinch Bug.....	61
May Beetle.....	62
Cut Worms.....	62
Grape Bud Borer.....	62
Cabbage Worms.....	63
Mr. Hollister's Paper—"Growing Seeds for Market".....	63
Growing Seeds for Market.....	63
Soil and Preparation.....	65
Selection of Seed Stock and Stock Seed.....	65
Beets.....	65
Beans.....	66
Cabbage.....	66
Carrot.....	67
Celery.....	67
Sweet Corn.....	67
Cucumbers—Melons—Squashes.....	68
Onions.....	68
Peas.....	69
Tomato.....	70
Turnip.....	70
Separation of Varieties.....	70
Commercial Fertilizers—Discussion resumed.....	71
Crab and Siberian Apples—Discussion resumed.....	72
Power's Large Red (again).....	72
Virginia (again).....	73
Varieties quite exempt from Blight.....	73
"    " liable to ".....	73
Beach's Red.....	74
Col. Healy's Paper on Cemeteries.....	74
Cemeteries—Location, Laying Out, Planting and Care of.....	74
Site.....	75
Avenues, Drives and Walks.....	75
Plat of Section 3 in Oakwood Cemetery.....	75
Inclosure of Lots.....	76
Planting.....	76
Cemeteries—Discussion.....	77
Planting.....	77
Trees to Plant.....	77
Mr. Wilcox's Paper—Propagation of Hardy Trees.....	78
Propagation of Hardy Trees—Paper on.....	78
"    "    "—Discussions on.....	81
Final Resolutions, Committee on.....	83
Forestry Laws—Report of Committee.....	83



	PAGE.
Forestry Laws—Discussion on.....	84
Distance to plant.....	84
President Smith's Address.....	85
Report of Finance Committee.....	90
"    "    Treasurer.....	90
"    "    Secretary.....	90
Election of Officers.....	91
Delegat- to Meeting Wis. Hort. Soc.....	92
Forestry Laws—Action on.....	92
Mr. Pearce's Paper—Planting an Orchard.....	92
Planting an Orchard.....	92
Location.....	93
Soil.....	93
Trees.....	93
Varieties.....	93
Seeding and Cultivation.....	94
Crab Apples.....	94
Cracked Bark.....	94
Mulching.....	95
Propagation.....	95
Discussion on same.....	95
Seeding down.....	95
Pruning.....	97
Mr. Harris—Report of General Fruit Committee.....	97
Strawberries.....	97
Raspberries.....	98
Currants.....	98
Grapes.....	98
Apples and Crab Apples.....	98
Discussion on Report.....	99
Election of Officers concluded.....	100
Delegates to Agr. Society meeting.....	100
Committee on Local Societies—Report.....	100
General Grant (again).....	101
Seedling Grapes—Report on by J. C. Kramer.....	101
"    "    Discussion.....	101
Grapes—Discussion and Revision of Lists.....	102
Concord.....	102
Delaware.....	102
Janesville.....	102
Hartford Prolific.....	103
Clinton.....	103
Rogers' No. 15 (Agawan)—Northern Muscadine.....	104
Eumelaw.....	104
Iowa.....	104
Jansville (again).....	104
Rogers' No. 4 (Wilder) No 9 (Lindley) and No. 19 (Merrimack).....	104
Strawberries—Discussion and Revision of Lists.....	105
Wilson's Albany.....	105
Countess de Haricourt.....	105

	PAGE.
Charles Downing.....	105
Seth Boyden.....	105
Downer's Prolific.....	106
Wilson's Albany (again).....	106
Downer's Prolific and Charles Downing (again).....	106
Seth Boyden (again) and Green Prolific.....	106
Col. Cheney and Kentucky.....	107
Michigan Seedling.....	107
Prouty's Seedling.....	107
Countess de Haricourt (again).....	107
Crescent Seedling.....	108
Cumberland Triumph.....	108
Champion and Monarch of the West.....	108
Cinderella.....	108
Great American.....	108
Hart's Seedling.....	108
Ida.....	109
Raspberries—Discussion and Revision of Lists.....	109
Doolittle—Seneca.....	109
Ontario.....	109
Philadelphia—Tamer.....	109
Purple Cane.....	109
Cataloguing Fruits, &c.,—Report of Committee.....	109
Evergreens.....	109
Deciduous Conifers.....	110
“ Trees.....	111
“ Ornamental Shrubs.....	112
Application for Borer.....	112
Centennial Diploma and Medal—Presentation.....	113
Articles on Exhibition—Report of Committee.....	113
Final Resolutions.....	114
Adjournment.....	115

## CONTENTS OF APPENDICES.

	PAGE.
Appendix A.—Obituaries.....	119
David Anthony.....	119
M. W. Leland.....	120
Willard C. Flagg.....	120
Appendix B.—Miscellaneous Papers and Reports.....	122
Notes on the History of Fruit Culture in Minnesota.....	122
Report of John Hart on Fruit in Winona County.....	124
Appendix C.—Reports of Local and County Societies.....	126
Olmstead County.....	126
Ten Commandments of Pomology.....	126
Election of Officers.....	127
Apples recommended.....	128
Grapes.....	128
Strawberries.....	128
Appendix D.—Notes from Correspondence.....	130
Correction to List of Centennial Contributions.....	130
From Prof. Wm. F. Phelps.....	130
From A. J. Phillips.....	131
Appendix E.—Articles of Incorporation and By-Laws.....	133