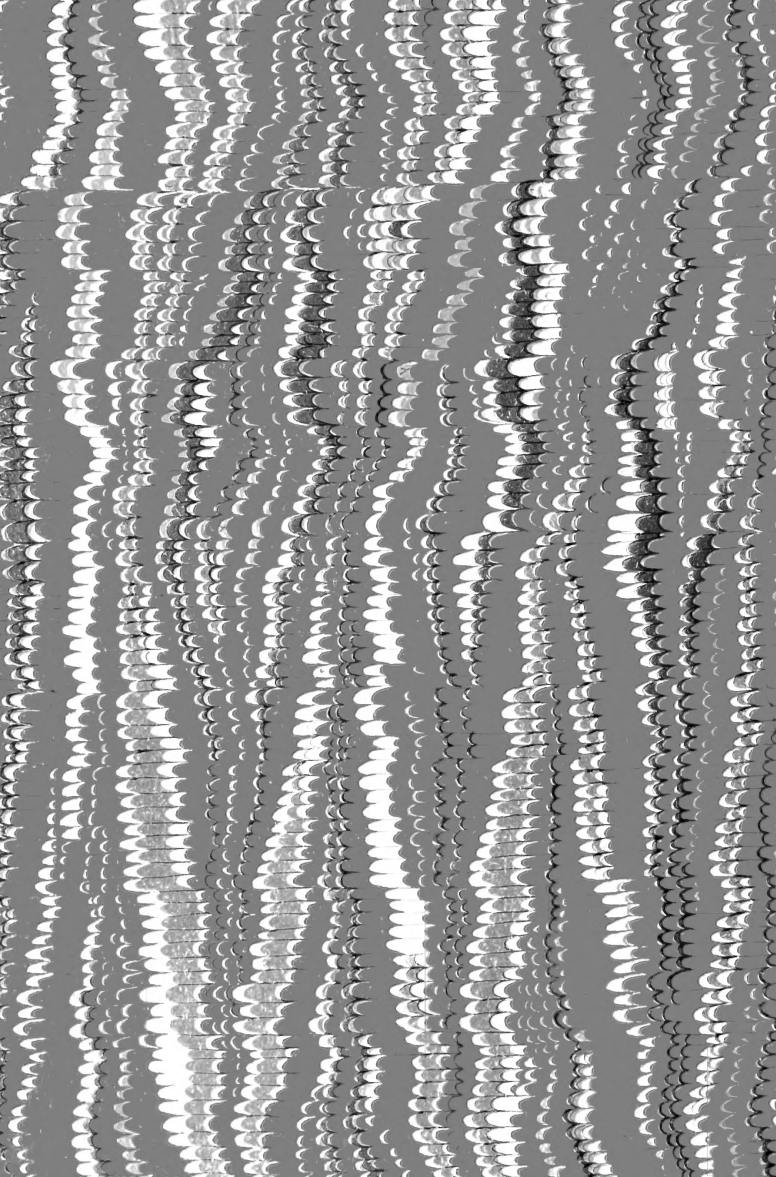
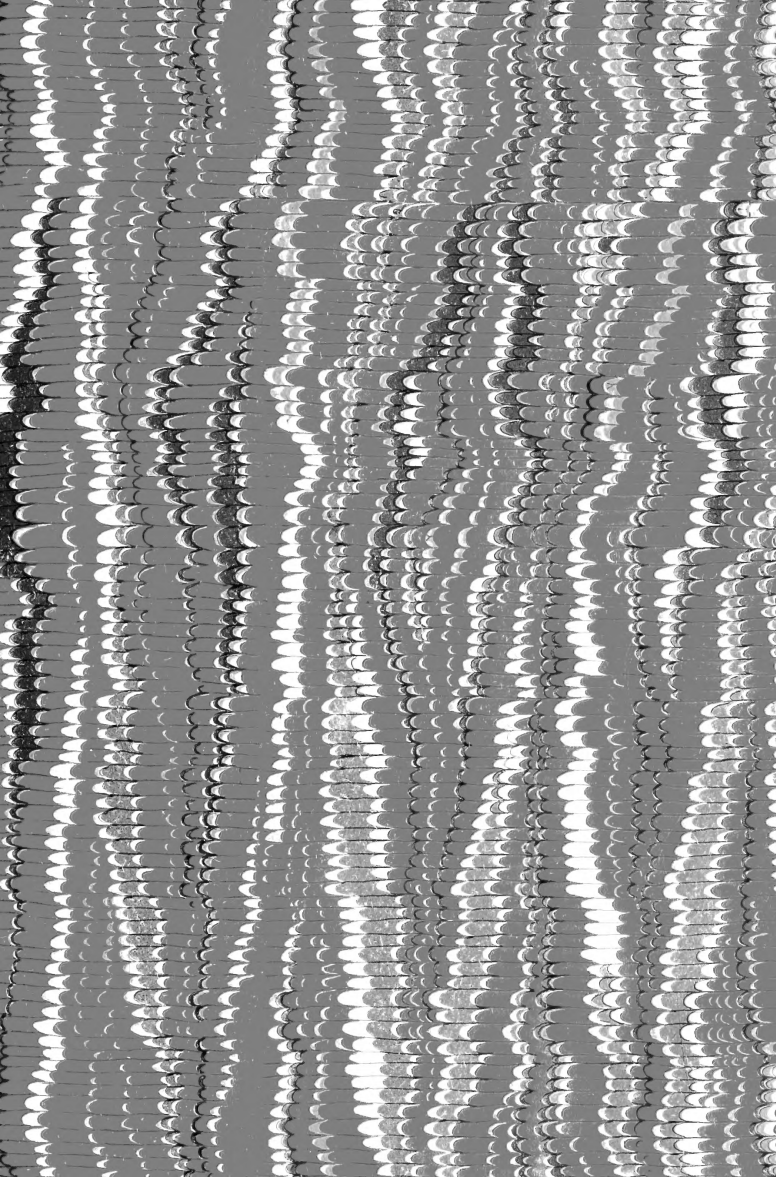


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CONTENTS AND INDEX

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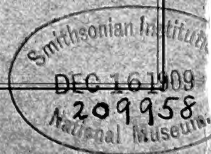
STATE ENTOMOLOGIST OF ILLINOIS

XIII—XXIV

1884—1908

STEPHEN A. FORBES

1909



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CONTENTS

Introduction	5
Contents, XIII-XXIV	9
Systematic List	19
Index	36

INTRODUCTION

The present index, prepared by Miss Mary J. Snyder, Secretary to the Illinois State Laboratory of Natural History, is in continuation of an index to the first twelve reports of the Illinois State Entomologist made in 1885 and printed as an appendix to the Fourteenth Report of this series. The systematic list of genera and species has been revised by Mr. C. A. Hart, who is responsible for the synonymy indicated.

The twelve reports now indexed have all been issued by the present writer, the first of these being the second of his personal series. The thirteenth to the twentieth reports inclusive were published, like the preceding six, as appendices to the Transactions of the State Department of Agriculture, a small edition of separates—usually two hundred or three hundred copies—being furnished to the Entomologist for his personal use. With the Twenty-first Report, however, a change in the method of publication was made, the various articles of the report being published first as bulletins of the State Agricultural Experiment Station, one thousand copies of which were printed in form for binding, from time to time, as a report of the State Entomologist. With these were usually included some additional articles which had not been separately issued, but which appeared in the state report only.

The Thirteenth Report, printed in 1884 with the twenty-first volume of the Transactions of the State Department of Agriculture, was devoted mainly to the discussion of insects injurious to the strawberry, but contains, among other miscellaneous articles, one on insects affecting sorghum and broom-corn, and two articles on insects injurious to the wheat plant.

The Fourteenth Report (Agricultural Transactions, Vol. XXII., 1885) is of a miscellaneous character, containing articles on both agricultural and horticultural insects, among the former a first contribution to a knowledge of the life history and parasites of the Hessian fly, and a contribution to the life history of the corn root-aphis. It also contains an index to the first twelve reports of the office series.

The Fifteenth of the series (Vol. XXIV. of the Transactions, 1889) consists mainly of a report of experiments with arsenical poisons for the destruction of the codling-moth and plum-curculio in apple orchards, a second contribution on the Hessian fly, the life history

of the wheat bulb-worm, and a discussion of certain insects injurious to nursery trees.

Number sixteen of the series was published in 1890 in Volume XXVI. of the Agricultural Transactions. Its most important articles are one on the chinch-bug, largely devoted to a statistical study of its relations to the raising of wheat; one on the corn bill-bugs; and one on the cutworms.

The main articles of the Seventeenth Report (Agricultural Transactions, Vol. XXVIII., 1891) are on the fruit-tree bark-beetle, on experiments with arsenical poisons for the plum-curculio, on the common white-grubs, on the life histories of the Hessian fly and of the corn root-aphis, and on the fungous diseases of the chinch-bug. It contains, as an appendix, an analytical list of the entomological writings of Dr. William LeBaron, the second State Entomologist of Illinois.

The Eighteenth Report (Agricultural Transactions, Vol. XXXI., 1894) is almost entirely devoted to a monograph of insect injuries to Indian corn affecting the seed in the earth and the underground part of the plant.

The Nineteenth Report (Agricultural Transactions, Vol. XXXII., 1895) is mainly devoted to an elaborate discussion of the contagious diseases of the chinch-bug, with an analytical list of American articles on this subject. It contains likewise an article on the white ant in Illinois, and another on the Mediterranean flour-moth, the latter (by W. G. Johnson, an assistant in the office) printed as an appendix to the regular report.

In number twenty (Agricultural Transactions, Vol. XXXIV., 1898) is an article on the San Jose scale in Illinois, one descriptive of an extraordinary outbreak of white-grubs in Christian county, and others on various aspects of the chinch-bug problem. An article on the white pine Chermes, by E. L. Stornent, is printed as an appendix to this report.

The Twenty-first Report contains two articles—one on the San Jose scale; and the other a monographic article on the economic entomology of the sugar-beet. These were also separately issued as bulletins 56 and 60 of the Agricultural Experiment Station.

In the Twenty-second Report, issued in 1903, the principal articles are on the corn bill-bugs in Illinois, on field insecticide work against the San Jose scale, and on the principal nursery pests likely to be distributed in trade. The first two articles were printed in 1902 as bulletins 79 and 80 of the Experiment Station, and that on nursery pests was issued by the same station in 1901 as Circular 36. Additional

articles on the use of crude petroleum and pure kerosene for the San Jose scale, on experiments with summer washes for the same insect, on the canker-worm on shade and forest trees, and on the Colaspis root-worm, were first published in this report.

The Twenty-third Report, printed in 1905, is devoted entirely to injuries to Indian corn by insect species which infest the plant above ground. An abstract of the more important parts of this volume was issued in 1904 as Bulletin 95 of the Experiment Station.

The articles of the Twenty-fourth Report, printed in 1908, are of a somewhat miscellaneous character, devoted mainly to the bill-bugs, the corn root-aphis, and the chinch-bug, treated with special reference to their injuries to corn; to the cottony maple scale and the elm twig-girdler, treated as shade-tree insects; to experiments with insecticides for the San Jose scale and the plum-curculio; and to the life history, habits, and economic relations of the white-grubs and May-beetles. With the exception of that on the elm twig-girdler, published for the first time in the report, these articles have been previously printed as bulletins of the Experiment Station series—Nos. 104, 107, 108, 112, and 116.

In addition to the twelve regular reports here named, the partial equivalent of such a report was printed in 1886, under the name of "Miscellaneous Essays on Economic Entomology," as an appendix to the twenty-third volume of the State Department of Agriculture, the principal articles in which are "The Entomological Record for 1885;" "Experiments on the Codling-moth and Curculios;" "A Second Contribution to the Life History of the Corn Plant-louse (*Aphis maidis* Fitch)" [mainly the corn root-aphis]; "On the Injurious Locusts of Central Illinois;" and a "Partial Bibliography of Indian Corn Insects." The contents of these essays are included in the following index.

The twelve reports, with their appendices, contain 2469 pages, of which 2213 are the text of the articles, the remainder consisting of indexes, tables of contents, and similar matter. These reports are illustrated by 387 cuts inserted in the text, and by 127 plates, 15 of which are colored and the remainder black and white.

STEPHEN A. FORBES,
Illinois State Entomologist.

Urbana, Illinois,
December 15, 1908.

CONTENTS, XIII—XXIV

THIRTEENTH REPORT

	PAGE
List of Descriptions.....	7
Letter of Transmittal.....	9
The Wheat-bulb Worm.....	13-29
The Wheat Straw-worm.....	30-38
Notes on Insects affecting Sorghum and Broom-corn.....	39-56
Literature.....	40
Recent Observations.....	41
Plant-lice.....	41-54
<i>Chaitophorus flavus</i> , n. s.....	42-46
<i>Aphis maidis</i> [includes <i>A. maidiradicis</i>].....	46-50
<i>Siphonophora</i> sp.....	50
<i>Schizoneura panicola</i>	51-54
The Corn Root-worm.....	55
The Black-headed Grass-maggot.....	57-59
Insects Injurious to the Strawberry.....	60-180
Introductory.....	60
List of Strawberry Insects.....	61
Literature.....	62
A Classification of Insect Injuries to the Strawberry, with Sugges- tions of Remedies for them.....	64
A Classification of Remedial Measures.....	66
Description and Discussion of Species.....	70-177
The Mason Bee.....	70
The Strawberry False Worm.....	71-76
The Rose-slug.....	76
The Brown Strawberry Spanworm.....	76
The Horned Spanworm.....	79
The Green Strawberry Spanworm.....	80-81
The Smear'd Dagger.....	82-84
The Army-worm.....	84
Cutworms.....	84
Flea-beetles.....	86
The Strawberry Leaf-beetles.....	86
Grasshoppers.....	87
The Common Strawberry Leaf-roller.....	87-93
The Oblique-banded Leaf-roller.....	94
The Plain Strawberry Leaf-roller.....	95-96
The Peach-tree Leaf-roller.....	97
The Strawberry Leaf-stem Gall.....	97
The Maple Bark-louse.....	98
The Strawberry Plant-lice.....	98-104
Literature.....	99
Description.....	100
<i>Siphonophora fragariae</i>	100
<i>Siphonophora minor</i> , n. s.....	101
<i>Aphis</i> sp.....	102
Natural Enemies.....	103
Remedies.....	104
The False Chinch-bug.....	104-106
The Red Spider.....	106
The Flea Negro-bug.....	106-111

	PAGE
The Strawberry Flower-worm.....	111
The Small Yellow Ant.....	112-113
The Stalk-borer.....	114
The Strawberry-weevil.....	114
The Tarnished Plant-bug.....	115-135
The Dusky Plant-bug.....	135-138
The Strawberry Millipede.....	138-141
The Strawberry Crown Miner.....	141
The Strawberry Crown Borer.....	142
<i>Aphis</i> sp.....	143
Wireworms.....	143
White-grubs.....	143
The Strawberry Root-worms.....	144
The Common White-grubs.....	144
The Goldsmith Beetle.....	146-148
The Fig-eater.....	149
The Strawberry Root-worms.....	150-177
<i>Colaspis brunnea</i>	156-159
<i>Paria aterrima</i> and <i>Paria sexnotata</i>	159-163
<i>Scelodonta pubescens</i>	163-166
The Black Fruit-weevil.....	177
Summary and General Comparison of Life Histories.....	178
Calendar of Strawberry Insects.....	179
Summary of Remedial Measures.....	180
Insects Injurious to the Apple.....	181-183
The Green Apple Leaf-hopper.....	181-182
The Lesser Apple Leaf-folder.....	183
Explanation of Plates.....	184-188

FOURTEENTH REPORT

List of Descriptions.....	III
Letter of Transmittal.....	1
Introduction.....	3
Contributions to Agricultural Entomology.....	9-74
I. On New and Little-known Corn Insects.....	11-33
The Root Web-worm.....	12-17
The Sulphur Leaf-roller.....	17-20
The Red-banded Leaf-roller.....	20
The Common Ladybug.....	21
The Brassy Flea-beetle.....	22
Leaf-hoppers.....	22
Grasshoppers (<i>Acrididæ</i>) in Corn.....	22
A Contribution to the Life History of the Corn Plant-louse.....	23-33
II. Notes on Insects Injurious to Wheat.....	34-69
The Larger Wheat Straw-worm.....	34-36
The Lesser Wheat Straw-worm.....	36
Contributions to a Knowledge of the Life History and the Parasites of the Hessian Fly.....	38-50
Note on the Wheat-midge.....	50-54
The Wheat Bulb-worm.....	54
The Grass-worm or Fall Army-worm.....	55-67
The Grain Leaf-hoppers.....	67-69
<i>Cicadula nigrifrons</i>	67
<i>Cicadula quadrilineatus</i>	68
III. Brief Notes on Sorghum Insects.....	70-71
The Yellow Sorghum Plant-louse.....	70
The Sorghum Bark-louse.....	71
IV. On some Clover Insects.....	72-74

	PAGE
<i>Cymatophora crepuscularia</i>	72
The Clover Bark-louse.....	72-73
Clover-mites.....	73
Miscellaneous Notes.....	74
Contributions to Horticultural Entomology.....	75-102
On New and Imperfectly Known Strawberry Insects.....	77-82
Note on the Life History of the Strawberry-slug.....	77
The Lesser Strawberry-aphis.....	79
The Tarnished Plant-bug.....	79-80
<i>Lophoderus velutinanus</i>	81
Supplementary Notes on the Strawberry Root-worms.....	81
On a Few Grape Insects.....	83-86
<i>Petrophora diversilineata</i>	83
The Vine-loving Fruit-fly.....	83
<i>Phytoptis vitis</i>	84
On New Insect Enemies of the Blackberry and Raspberry.....	87-92
The Blackberry Leaf-miner.....	87-88
<i>Lophoderus velutinanus</i>	88
<i>Pyrrhia umbra</i>	88-90
The Raspberry Plume-moth.....	91
On the Speckled Cutworm as a Cabbage Worm.....	93-94
Notes on Insects Injurious to the Apple and Pear.....	95-102
<i>Datana contracta</i>	95
<i>Biston ypsilon</i>	95
The Apple Leaf-roller.....	97
The Apple Leaf-skeletonizer and the Lesser Apple Leaf-roller.....	97
<i>Crepidodera helxines</i>	98
The Apple Plant-louse.....	98
The Yellow Jumping Pear-louse.....	98
The Willow Saw-flies.....	100
On some Insect Enemies of the Soft Maple.....	103-111
Notes and Experiments on the Soft Maple Bark-louse.....	103-109
The Oblique-banded Leaf-roller.....	109
<i>Pandemis lamprosana</i>	109
<i>Aleurodes aceris</i>	110
<i>Lygus invitus</i>	110-111
Insects Injurious to the Elm.....	112-115
The Elm-borer.....	112
The Elm Plant-louse.....	114
The Elm Bark-louse.....	115
The Three-banded Leaf-hopper.....	115
Brief Miscellaneous Notes.....	116-118
Explanation of Plates.....	119-123
Errata.....	136
Appendix. General Indexes to the First Twelve Reports of the State Entomologists of Illinois.....	1-120

MISCELLANEOUS ESSAYS ON ECONOMIC ENTOMOLOGY

Note.....	3
The Entomological Record for 1885.....	5-25
Experiments on the Codling-moth and Curculios. By S. A. Forbes.....	26-45
A Second Contribution to the Life History of the Corn Plant-louse (<i>Aphis maidis</i> Fitch). By H. Garman.....	46-56
Partial Economic Bibliography of Indian Corn Insects. By Thomas F. Hunt.....	57-126
Notes from Livingston and Adjacent Counties.....	127-130
Letter of Transmittal.....	IV

FIFTEENTH REPORT

The Entomological Record for 1885 and 1886.....	1-6
Arsenical Poisons for the Codling-moth.....	7-20
Second Contribution to a Knowledge of the Life History of the Hessian Fly.....	21-34
On the Life History of the Wheat Bulb-worm.....	35-39
On an Outbreak of Injurious Locusts in Central Illinois.....	40-44
On some Common Insects affecting the Foliage of Young Apple-trees in the Nursery and Orchard.....	45-85
The Apple Tischeria.....	45-50
The Apple Ornix.....	51-57
The Apple Leaf-skeletonizer.....	58-64
The Leaf-crumpler.....	65-74
The Lesser Apple Leaf-roller.....	75-85
Appendix. The Present Condition and Prospects of the Chinch-bug in Illinois.....	89-103

SIXTEENTH REPORT

List of Descriptions.....	V
Letter of Transmittal.....	VII
General Record for 1887 and 1888.....	IX-XIII
Studies on the Chinch-bug. II.....	1-57
The Corn Bill-bugs.....	58-77
The Meadow-maggots or Leather-jackets.....	78-83
Notes on Cutworms.....	84-97
The W-marked Cutworm.....	85-86
The Spotted Cutworm.....	86
The Chocolate-striped Cutworm.....	87-88
The Dingy Cutworm.....	88-89
The Western Striped Cutworm.....	89
The Clay-backed Cutworm.....	89-93
The Greasy Cutworm.....	93
The Variegated Cutworm.....	93-94
The Pink-backed Cutworm.....	94-95
The Bristly Cutworm.....	95-96
The Glassy Cutworm.....	96
The Yellow-headed Cutworm.....	97
The Burrowing Web-worm.....	98-101
Explanation of Plates.....	103-104
Appendix. Economic Bibliography of the Chinch-bug.....	1-122

SEVENTEENTH REPORT

List of Descriptions.....	V
Letter of Transmittal.....	VII
General Record for 1889 and 1890.....	IX-XV
The Fruit Bark-beetle.....	1-20
Experiments with the Arsenical Poisons for the Plum- and Peach-curculio.....	21-25
The American Plum-borer.....	26-29
On the Common White-grubs, <i>Lachnosterna</i> and <i>Cyclocephala</i>	30-53
Additional Notes on the Hessian Fly.....	54-63
A Summary History of the Corn Root-aphis.....	64-70
On a Bacterial Disease of the Larger Corn Root-worm.....	71-73
Notes on the Diseases of the Chinch-bug.....	74-87
Explanation of Plates.....	89-90
Appendix. An Analytical List of the Entomological Writings of Wm. LeBaron, M.D., Second State Entomologist of Illinois.....	5-36

EIGHTEENTH REPORT

List of Descriptions.....	V
Letter of Transmittal.....	VI
General Record for 1891 and 1892.....	VII-XI
<i>Insect Injuries to Indian Corn, I</i>	1-165
Introductory.....	3
Classification of Injuries.....	7
Injuries to the Seed in the Earth.....	7-51
Injuries by Ants.....	9-12
<i>Solenopsis debilis</i>	9
<i>Myrmica scabrinodis lobicornis</i>	11
Injuries by Beetles.....	12-16
<i>Agonoderus pallipes</i>	12
<i>Aphodius granarius</i>	14
<i>Clivina impressifrons</i>	15
Injuries by Footless Maggots.....	16-21
<i>Anthomyia zea</i> (The Seed-corn Maggot).....	16
<i>Sciara</i> sp. (The Black-headed Grass-maggot).....	19
Injuries by Six-legged Larvæ.....	21-51
<i>Systema taniata</i> (The Pale-striped Flea-beetle).....	21
<i>Ips fasciatus</i> (The Banded Ips).....	23
Wireworms.....	28-51
Synopsis of Genera.....	31
<i>Cardiophorus</i> sp.....	32
<i>Drasterius elegans</i>	34
<i>Agriotes mancus</i> (The Wheat Wireworm).....	36
<i>Agriotes pubescens</i>	39
<i>Melanotus communis</i>	39
<i>Melanotus fissilis</i>	41
<i>Melanotus infaustus</i>	42
<i>Melanotus cribulosus</i> (The Corn Wireworm).....	42
<i>Asaphes decoloratus</i>	45
Natural Enemies.....	47
Prevention and Remedy.....	48
Injuries to the Roots.....	52-165
Injuries by Plant-lice and Mealy Bugs.....	55-108
<i>Aphis maidiradicis</i> (The Corn Root-aphis).....	58-85
<i>Schizoneura panicola</i> (The Grass Root-louse).....	85-93
<i>Trama erigeronensis</i>	93-95
<i>Forda occidentalis</i> , n. sp.....	95-97
<i>Tychea brevicornis</i> , n. sp.....	97-98
<i>Geoica squamosa</i> , n. gen. et sp.....	98-104
<i>Rhizobius spicatus</i> , n. sp. (The Woolly Grass Root-louse).....	104-106
<i>Dactylopius sorghuillus</i> (The Sorghum Mealy Bug).....	105-108
Injuries by White Grubs.....	109-146
<i>Lachnosterna</i> and <i>Cyclocephala</i> (Common White-grubs).....	109-144
<i>Allorhina nitida</i> (The Green June Beetle).....	144
Prionus Grubs.....	146
Injuries by Root-worms.....	146-165
<i>Diabrotica 12-punctata</i> (The Southern Corn Root-worm).....	146-154
<i>Diabrotica longicornis</i> (The Northern Corn Root-worm).....	154-165
Explanation of Plates.....	167-170

NINETEENTH REPORT

Letter of Transmittal.....	3
Experiments for the Destruction of Chinch-bugs as they Emerge from Fields of Small Grain at Harvest.....	5-15
On Contagious Disease in the Chinch-bug.....	16-176

Laboratory Experiments with Chinch-bugs.....	177-189
The White Ant in Illinois.....	190-204
Explanation of Plates.....	205-206
Appendix. The Mediterranean Flour-moth (<i>Ephestia kuehniella</i> Zeller) in Europe and America.....	1-65

TWENTIETH REPORT

Introductory Note.....	V
The San Jose Scale in Illinois.....	1-25
Field Observations on the White-grubs.....	26-34
Midsummer Measures against the Chinch-bug.....	35-44
A Study of the Causes of the Disappearance of a Chinch-bug Outbreak..	45-74
The Spontaneous Occurrence of White Muscardine among Chinch-bugs in 1895.....	75-78
Miscellaneous Chinch-bug Experiments.....	79-102
An Entomological Train-Wrecker (<i>Odynerus foraminatus</i> Sauss.).....	103-105
Note on a New Disease of the Army-worm.....	106-109
Explanation of Plates.....	110-112
Appendix. The White Pine Chermes (<i>Chermes pinicorticis</i> Fitch)....	I-XXVI

TWENTY-FIRST REPORT

Introductory Note.....	IV
Recent Work on the San Jose Scale.....	1-47
The Economic Entomology of the Sugar-beet.....	49-175
Examples of Insect Injury to the Beet.....	51
Principal Preventive and Remedial Measures.....	52
Classification of the Sugar-beet Insects.....	55-56
Detailed Discussion of Groups and Injuries.....	57-165
The Red Spider (<i>Tetranychus</i>).....	58
The Beet Leaf-miners (<i>Chortophila</i> and <i>Pegomyia</i>).....	59
The Leaf-hoppers (<i>Jassoidea</i> and <i>Delphacinae</i>).....	62
The Treehoppers (<i>Membracidae</i>).....	80
Plant-lice (<i>Aphididae</i>).....	80
The Flatas or Lantern-flies (<i>Ormenis</i> and <i>Chlorochroa</i>).....	83
The Pigweed Bug (<i>Piesma cinerea</i>).....	85
The Common Flower-bug (<i>Triphleps insidiosus</i>).....	86
The Leaf-bugs (<i>Capsidae</i>).....	86
The Smaller Plant-bugs (<i>Lygaeidae</i>).....	93
The Squash-bug Family (<i>Coreidae</i>).....	96
The Stink-bug Family (<i>Pentatomidae</i>).....	97
The Negro-bugs (<i>Corimelaenidae</i>).....	99
The Cutworms (<i>Agrotis</i> , <i>Noctua</i> , etc.).....	100
Leaf-rollers (<i>Tortricidae</i> and <i>Pyraustidae</i>).....	105
The Garden Web-worms (<i>Loxostege</i> and <i>Hellula</i>).....	106
The Leaf-beetles (<i>Chrysomelidae</i>).....	112
Grasshoppers (<i>Acrididae</i> and <i>Locustidae</i>).....	128
Other Leaf-eating Beetles (<i>Clivina</i> and <i>Silpha</i>).....	136
Blister-beetles (<i>Meloidae</i>).....	137
Snout-beetles (<i>Rhynchophora</i>).....	142
The Exposed Leaf-eating Caterpillars.....	145
Root-lice (<i>Aphididae</i> and <i>Coccidae</i>).....	159
Wireworms (<i>Elateridae</i>).....	161
White Grubs (<i>Lachnosterna</i> and <i>Ligyris</i>).....	163
Technical List of Species of Beet Insects.....	166-169
Economic Bibliography.....	170-175

TWENTY-SECOND REPORT

Introductory Note.....	VIII
The Corn Bill-bugs in Illinois.....	1-26
Usual Conditions of Injury to Corn.....	2
General Features of Life History.....	2
General Preventive Measure.....	3
The Little Brown Bill-bug; the Blue-grass Bill-bug (<i>Sphenophorus parvulus</i>).....	3-8
<i>Sphenophorus placidus</i>	8
The Clay-colored Bill-bug (<i>Sphenophorus ochreus</i>).....	9-17
<i>Sphenophorus pertinax</i>	17
<i>Sphenophorus cariosus</i>	19-21
Additional Species.....	21
<i>Sphenophorus scoparius</i>	21
<i>Sphenophorus sculptilis</i>	21
<i>Sphenophorus robustus</i>	22
Recent Bibliography.....	23-26
Methods and Results of Field Insecticide Work against the San Jose Scale, 1899-1902.....	27-66
Experiments with Lime and Sulphur Washes for the San Jose Scale....	67-90
Experiments and Observations on the Use of Crude Petroleum and Pure Kerosene for the San Jose Scale.....	91-95
Experiments with Summer Washes for the San Jose Scale.....	96-97
On the Principal Nursery Pests likely to be distributed in Trade.....	98-138
Classification and Description of the Insect and Fungus Pests of the Nursery most Important to the Nursery Trade.....	99-103
Injurious to the Roots.....	99-100
The Woolly Aphis.....	99
The Black Peach-aphis.....	100
The Crown-gall.....	100
The Root-rot.....	100
Injurious to the Bark or Wood.....	100-101
The Woolly Aphis.....	100
Scale Insects or Bark-lice.....	100
The Peach-tree Borer.....	100
Pear-blight, Apple-blight, Fire-blight, Twig-blight.....	101
Black-knot.....	101
Peach Fruit-spot.....	101
Anthracnose of Raspberry.....	101
Injurious to the Leaf or Bud.....	101-103
Plant-lice or Aphides.....	101
The Apple Leaf-crumpler.....	101
The Pear-leaf Blister.....	102
The Tent-caterpillar.....	102
The Bagworm.....	102
The Tussock-moth.....	102
The Apple-scab.....	102
The Pear-blight.....	102
The Leaf-spots.....	103
Winter Forms and Appearances of the Principal Nursery Pests.....	103-104
Description and Discussion of Species.....	106-138
The Woolly Aphis.....	106
The Black Peach-aphis.....	107
The Crown-gall.....	110
The Root-rot.....	111
The Scale Insects.....	112-121
The San Jose Scale and its Allies.....	114
Additional Nursery Scales wintering partly or fully grown..	117

	PAGE
Common Nursery Scales wintering in the Egg.....	118
The Scurfy Scale.....	118
The Oyster-shell Scale.....	119
The Grape Scale.....	120
The Rose Scale or Raspberry Scale.....	120
The Peach-tree Borer.....	121
Pear-blight, Apple-blight, Twig-blight, Fire-blight.....	124
The Black-knot.....	125
Anthracnose of Raspberry.....	126
Peach Fruit-spot, Plum-scab, Cherry-scab.....	127
The Apple Leaf-aphis.....	127
The Cherry-aphis.....	129
The Leaf-crumpler.....	129
The Pear-leaf Blister.....	132
The Tent-caterpillar.....	134
The Bagworm.....	135
The Tussock-moth.....	136
The Apple-scab.....	137
The Canker-worm on Shade and Forest Trees.....	139-144
The Colaspis Root-worm.....	145-149

TWENTY-THIRD REPORT

Introductory Note.....	VIII
<i>Insect Injuries to Indian Corn, II.</i>	1-273
The more Important Insect Injuries to Indian Corn.....	1-69
Divisions of the Corn Insect Group.....	2
Adaptations and Reactions of the Corn Plant to its Insect Visitants..	3
General Effect of Insect Injury.....	5
General Measures of Prevention and Remedy.....	6
Insect Injuries to Different Parts of the Corn Plant.....	6
Injuries to Corn by the Different Orders of Insects.....	8
The Corn Insects Grouped according to their Economic Importance..	14
Discussion of Species.....	16
Economic Group 1. (The more Important Species).....	16-69
Insects Injurious to the Plant above Ground.....	16
Synopsis of Injuries.....	16
The Corn Cutworms.....	17-36
The Sod Web-worms, or Root Web-worms, (several Species of <i>Crambus</i>).....	36
The Burrowing Web-worms (<i>Anaphora popeanella</i> , <i>Pseudanaphora arcanella</i> , <i>Hypoclopus mortipennel-</i> <i>lus</i>).....	44
<i>Papaipema nitela</i> (The Stalk-borer).....	44
<i>Leucania unipuncta</i> (The Army-worm).....	47
The Corn Bill-bugs (<i>Sphenophorus</i> spp.).....	52
<i>Blissus leucopterus</i> (The Chinch-bug).....	57
Grasshoppers (<i>Acrididae</i>).....	64
The more Important Insects Injurious to the Seed and Roots.....	69
Economic Group 2. (The less Important Species).....	70-155
<i>Pegomyia fusciceps</i> (The Seed-corn Maggot).....	70
The Woolly Bears (<i>Arctiidae</i> spp.).....	70-77
The Hadena Stalk-borers (<i>Hadena stipata</i> , <i>H. fractilinea</i> , <i>H. misera</i>).....	77
<i>Helotropha reniformis atra</i>	78
<i>Prodenia ornithogalli</i> (The Cotton Cutworm).....	79
<i>Laphygma frugiperda</i> (The Grass-worm or Fall Army- worm).....	81

<i>Leucania albilinea</i> (The Wheat-head Army-worm).....	83
<i>Epizeuxis amula</i> (The Fodder Worm).....	86
<i>Porthetria dispar</i> (The Gypsy-moth).....	87
<i>Loxostege similalis</i> (The Garden Web-worm).....	89
<i>Diatraea saccharalis</i> (The Larger Corn Stalk-borer).....	91
<i>Elasmopalpus lignosellus</i> (The Smaller Corn Stalk-borer)...	94
The Burrowing Web-worms (<i>Pseudanaphora arcanella</i> , <i>Hypoclopus mortipennellus</i> , and <i>Anaphora popeanella</i>).....	95
<i>Ligyris gibbosus</i> (The Carrot-beetle).....	98
<i>Ligyris rugiceps</i> (The Sugar-cane Beetle).....	99
The Flower-beetles (<i>Euphoria inda</i> , <i>E. sepulchralis</i> , and <i>E. melancholica</i>).....	99
The Green June-beetles (<i>Allorhina nitida</i> and <i>A. mutabilis</i>)..	101
<i>Myochrous denticollis</i> (The Southern Corn Leaf-beetle)....	103
<i>Colaspis brunnea</i> (The Colaspis Root-worm).....	104
The Flea-beetles (<i>Halticini</i>).....	106-111
The Blister-beetles (<i>Epicauta vittata</i> , <i>E. pennsylvanica</i> , and <i>E. marginata</i>).....	111
<i>Epicarus imbricatus</i> (The Imbricated Snout-beetle).....	113
The Rhubarb and Dock Curculios (<i>Lixus concavus</i> and <i>L. mucidus</i>).....	114
<i>Corimelæna pulicaria</i> (The Little Negro-bug).....	115
<i>Pentatoma uhleri</i> (The Western Green Stink-bug).....	116
<i>Thyanta perditor</i>	117
<i>Nysius angustatus</i> (The False Chinch-bug).....	117
<i>Lygus pratensis</i> (The Tarnished Plant-bug).....	118
<i>Delphax maidis</i> (The Corn Delphax).....	120
The Common Leaf-hoppers (<i>Jassidæ</i>).....	121
<i>Aphis maidis</i> (The Corn Leaf-louse).....	123-133
<i>Toxoptera graminum</i> (The Southern Grain-louse).....	134
The Thrips Family (<i>Thripidæ</i>).....	135
Grasshoppers.....	136-143
The Katydids (<i>Scudderia texensis</i> , <i>S. pistillata</i> , and <i>S. furcata</i>).....	143
The Larger Meadow-grasshoppers (<i>Orchelimum vulgare</i> , <i>O. glaberrimum</i> , and <i>O. silvaticum</i>).....	144
The Smaller Meadow-grasshoppers (<i>Xiphidium strictum</i> , <i>X. brevipenne</i> , <i>X. nemorale</i> , and <i>X. fasciatum</i>).....	147
<i>Anabrus simplex</i> (The Great Plains Cricket).....	148
The Sod Web-worms (<i>Crambus</i> spp.).....	149-155
Economic Group 3. (The Unimportant Species).....	156-224
<i>Haliplus lerouxii</i>	156
Ants (<i>Formicidæ</i>).....	156-161
Flies (<i>Diptera</i>).....	161-166
<i>Lerema accius</i>	166
<i>Theretra tersa</i>	167
<i>Hyperchiria io</i>	168
<i>Celama sorghiella</i> (The Sorghum Web-worm).....	169
<i>Acronycta obliqua</i> (The Smartweed Caterpillar).....	170
<i>Mamestra picta</i> (The Zebra-caterpillar).....	171
<i>Leucania pseudargyria</i>	171
Spanworms (<i>Geometridæ</i>).....	173
<i>Sibine stimulea</i> (The Saddle-back Caterpillar).....	173
Leaf-rollers (<i>Tortricidæ</i>).....	174-176
<i>Batrachedra rileyi</i> (A Tineid Leaf-miner).....	176
The Ground-beetles (<i>Carabidæ</i>).....	176
The Ladybugs (<i>Coccinellidæ</i>).....	179
Scavenger-beetles (<i>Clavicornia</i> , <i>Lamellicornia</i> , etc.).....	180-184
The Leaf-chafers (<i>Scarabæidæ</i> , in part).....	184-186

	PAGE
Unknown Coleopterous Larva (<i>Elatridæ</i> ?).....	186
The Leaf-beetles (<i>Chrysomelidæ</i>).....	185-187
The Root-worm Beetles (<i>Diabrotica</i>).....	187
The Flea-beetles (<i>Halticini</i>).....	190
<i>Chelymorpha argus</i> (The Argus Tortoise-beetle).....	192
The Snout-beetles (<i>Rhynchophora</i>).....	192-194
The Stink-bugs (<i>Pentatomidæ</i>).....	194-196
Other Plant-feeding <i>Heteroptera</i>	197-202
<i>Triphleps insidiosus</i> (The Common Flower-bug).....	202
The Flatas.....	202-204
The Leaf-hoppers (<i>Delphacinae</i> and <i>Jassidæ</i>).....	204-206
Plant-lice (<i>Aphididæ</i>).....	206-211
<i>Diapheromera velii</i> (The Prairie Walking-stick).....	211
Grasshoppers (<i>Acrididæ</i>).....	212-213
The Cricket Family (<i>Gryllidæ</i>).....	213-215
Tree-crickets—or White Crickets or Climbing Crickets— (<i>Ecanthinæ</i>).....	215-222
Thousand-legged Worms (<i>Myriapoda</i>).....	222-223
The Red Spiders (<i>Tetranychus</i>).....	223-224
Key to the Discussion of Insect Injuries to Corn.....	225-233
A List of Corn Insects with References to Economic Articles:	
General Articles.....	234
List of Species.....	234-273
<i>Hymenoptera</i>	234
<i>Diptera</i>	235
<i>Lepidoptera</i>	236
<i>Colcoptera</i>	249
<i>Hemiptera</i>	261
<i>Orthoptera</i>	268
<i>Myriapoda</i>	272
<i>Acarina</i>	273

TWENTY-FOURTH REPORT

Injury to Corn by the Timothy Bill-bugs (<i>Sphenophorus</i> sp.).....	1-7
Field Experiments on the Corn Root-aphis (<i>Aphis maidiradicis</i> Forbes).....	8-29
Field Experiments for the Protection of Corn against Chinch-bug Injury.....	30-58
Comparative Experiments with Various Insecticides for the San Jose Scale.....	59-77
Spraying Apples for the Plum-curculio.....	78-99
The Cottony Maple Scale in Illinois.....	100-117
The Elm Twig-girdler, <i>Oberia ulmicola</i> Chittenden.....	118-134
On the Life History, Habits, and Economic Relations of the White-grubs and May-beetles (<i>Lachnosterna</i>).....	135-168

SYSTEMATIC LIST OF GENERA AND SPECIES

PROTOZOA

(xix, 17, 18, 190)

SPOROZOA

(xix, 19)

GREGARINÆ

(xviii, 152, 161)

VERMES

NEMATELMINTHES

NEMATODA

(xviii, 152)

ANGUILLULIDÆ

(xvii, XII; xix, 97, 125, 126, 127, 128, 129, 130)

NEMATOMORPHA

Mermis, Misc. Ess., 52; xxi, 129.

ACANTHOCEPHALA

Echinorhynchus gigas Goeze, xxiv, 167.

ANNULATA

Fridericia? sp., Misc. Ess., 25 ("Lumbriculus sp.").

ARTHROPODA

(xv, 43)

ARACHNIDA

(xiii, 62)

ACARINA

(xiii, 60; xiv, 16; Misc. Ess., 13, 52, 53; xvi, 71; xviii, 126; xix, 90, 94, 125, 126, 127, 128, 129; xx, 94; xxi, 56, 129; xxiii, 14, 273)

TETRANYCHIDÆ

Bryobia pratensis H. Garman, n. sp., xiv, 73, 74 (*pallida*).

Tetranychus, xxiii, 223.

bimaculatus Harv., xiii, 62, 106 (*telarius*); xiv, 117 (*telarius*); xxi, 58; xxiii, 14, 224, 233, 273.

modestus Banks, xxiii, 14, 224, 233, 273.

TROMBIDIIDÆ

Microtrombidium locustarum Walsh, xv, 40-41, 43 (*Trombidium*).

GAMASIDÆ

(xxii, 4)

ORIBATIDÆ

Oribates sp., xx, Appendix, VIII.

CANESTRINIIDÆ

Hemisarcoptes malus Shimer, xx, Appendix, VIII (*Ascarus*).

ERIOPHYIDÆ

(xiv, 86)

Eriophyes pyri Pagenst., xxii, 99, 102, 132.

vitis Landois, xiv, 7, 84 (*Phytoptus*).

MYRIAPODA

(xiii, 61, 62; xix, 57; xxiii, 14, 222, 227, 228, 272)

JULIDÆ

[xiii, 140 (*Iulidæ*)]

Julus cœruleocinctus Wood, xiii, 139 (*Iulus*); xxiii, 223, 272.

Parajulus, xiii, 139, 140 (*Iulus*).
diversifrons Wood, xxiii, 223, 273.
impressus Say, xxiii, 223.

venustus Wood, xiii, 140 (*Iulus impressus*); Misc. Ess., 123 (*Iulus impressus*); xxiii, 223, 272.

Cambala annulata Say, xiii, 62, 138.

Blaniulus guttulatus Bosc, xiii, 139.

POLYDESMIDÆ

Polydesmus sp., xiii, 139; xvii, 81.

HEXAPODA

(xix, 17, 18)

ISOPTERA

Termes flavipes Ko'll., xvi, XIII; xviii, X; xix, 190.

ORTHOPTERA

(xiii, 60, 61, 62; xxiii, 13, 229, 268)

BLATTIDÆ

(xix, 113)

PHASMIDÆ

- Diapheromera femorata* Say, xxiii, 211, 212.
velii Walsh, xxiii, 268 (in part).
Bacunculus blatchleyi Caud., xxiii, 211, 229, 268 (*Diapheromera velii*, in part).
- ACRIDIDÆ
- (xiii, 40; xiv, 22; Misc. Ess., 5, 19, 127; xv, 1, 5, 40; xvi, XII; xviii, 4, 6; xix, 35, 49, 76; xxi, 50, 52, 55, 56, 128, 138; xxiii, 7, 8, 13, 17, 64, 111)
- Dichromorpha viridis* Scudd., xxiii, 212, 229, 268.
Stenobothrus curtipennis Harr., xxi, 130, 131.
Boopedon nubilum Say, xxiii, 212, 229, 268.
Chortophaga viridifasciata DeG., xv, 42 (*Tragocephala*).
Camula pellucida Scudd., xxiii, 139, 229, 268.
Dissosteira carolina Linn., xxi, 130, 131.
longipennis Thom., xxiii, 213, 229, 268.
Spharagemon æquale Scudd., xxi, 132.
Trimerotropis latifasciata Scudd., xxi, 132.
Schistocerca, xxi, 130.
alutacea Harr., xxi, 130, 132; xxiii, 140, 229, 268.
americana Drury, xiii, 62, 87 (*Acridium americanum*); Misc. Ess., 123 (*Acridium americanum*); xxiii, 67, 140, 229, 268.
Campylacantha olivacea Scudd., xxi, 130, 135; xxiii, 213, 229, 268.
Hesperotettix speciosus Scudd., xxiii, 142, 229, 269.
Melanoplus, xxi, 130.
atlanis Riley, xiv, 23 (*Pezotettix*); Misc. Ess., 120, 127 (*Pezotettix*); xxi, 131, 133, 134; xxiii, 67, 136, 229, 269.
bivittatus Say, Misc. Ess., 127 (*Pezotettix*); xxi, 130, 133; xxiii, 67, 136, 229, 270.
differentialis Thom., xiv, 23, Errata (*Pezotettix*); Misc. Ess., 48, 122 (*Pezotettix*); xv, 40 (*Pezotettix*); xvi, XII (*Pezotettix*); xix, 59 (*Pezotettix*); xxi, 130, 132; xxiii, 67, 136, 229, 269-270.
femur-rubrum DeG., xiii, 62, 87 (*Pezotettix*); xiv, 23 (*Pezotettix*); Misc. Ess., 48, 119, 127 (*Pezotettix*); xv, 40 (*Pezotettix*); xvi, XII (*Pezotettix*); xxi, 128 (Errata), 130, 133; xxiii, 67, 136, 219, 229, 269.
scudderi Uhl., xxiii, 142, 229, 270.

spretus Thom., Misc. Ess., 120 (*Pezotettix*); xxi, 130, 133, 134, 142; xxiii, 13, 65, 136, 229, 269.

LOCUSTIDÆ

- (xviii, 161; xxi, 128; xxiii, 13, 136)
Scudderia furcata Brunn., xxiii, 143, 229, 270.
pillata Brunn., xxiii, 143, 229, 270.
texasensis Sauss.-Pict., xxiii, 143, 229, 270.
Amblycorypha oblongifolia DeG., xxiii, 144, 145 (*Orchelimum*).
Orchelimum, xxi, 131; xxiii, 215, 216, 227, 229.
glaberrimum Burm., xxiii, 144, 271.
silvaticum McNeill, xxiii, 144, 271.
vulgare Harr., xiv, 23; Misc. Ess., 118; xxi, 135; xxiii, 13, 144, 271.
Xiphidium, xxi, 131; xxiii, 146, 229.
brevipenne Scudd., xxiii, 147, 271.
fasciatum DeG., xxiii, 147, 271.
memorale Scudd., xxi, 131 (Errata), 136; xxiii, 147, 271.
strictum Scudd., xxi, 131, 136; xxiii, 147, 271.
Anabrus simplex Hald., Misc. Ess., 118; xxiii, 148, 229, 271.

GRYLLIDÆ

(xxiii, 213, 227)

- Nemobius*, xxiii, 213.
fasciatus DeG., xxiii, 13, 214, 272.
vittatus Harr., xxiii, 272.
Gryllus, xix, 35, 54; xxiii, 213.
abbreviatus Serv., xxiii, 13, 214, 219 (last two as *pennsylvanicus*).
pennsylvanicus Burm., xxiii, 271.
(Ecanthinæ), xxiii, 215, 227.
(Ecanthus), xxiii, 213, 216, 219.
angustipennis Fitch, xxiii, 217, 218, 220.
forbesi Titus, xxiii, 217.
latipennis Riley, xxiii, 146, 216, 217, 218, 272.
nigricornis Walk., xxiii, 215, 217, 218, 221, 272.
niveus DeG., xxiii, 217, 272.
pini Beut., xxiii, 218, 222.
4-punctatus Beut., xxiii, 217, 218, 219, 220, 272.
Xabea, xxiii, 213, 216.
bipunctata DeG., xxiii, 219.

THYSANOPTERA

[xxi, 86 (*Thripidæ*); xxiii, 135, 233 (*Thripidæ*)]

THRIPIDÆ

Euthrips nervosus Uzel, xxiii, 136 (*neriosa*), 267.

tritici Fitch, xvi, IX (*Thrips*); xvii, XIII, XV (*Thrips*); xxiii, 136, 267.
Anaphothrips striatus Osb., xxiii, 136, 267 (*striata*).
Thrips perplexus Beach, xxiii, 136, 267.

HEMIPTERA

(xiii, 60, 61, 62; xix, 77; xxi, 56, 158; xxiii, 12, 233, 261; xxiv, 45)

Heteroptera.

(xiii, 60; Misc. Ess., 16; xxi, 50)

CORIMELÆNIDÆ

(xxi, 99)

Corimelæna lateralis Fabr., xiii, 108 (*Thyreocoris*).
pulicaria Germ., xiii, 62, 106, 179 (*Thyreocoris pulicarius*); xvi, XII, 51 (*Thyreocoris pulicarius*); xxi, 99; xxiii, 115, 233, 261.
unicolor Pal. Beauv., xiii, 108 (*Thyreocoris*).

PENTATOMIDÆ

(xiii, 183; xxi, 56; xxiii, 194, 233)

Pentatoma uhleri Stål, xxi, 52 (*Lioderma*) 97; xxiii, 116, 233, 262.
Cebalus pugnax Fabr., xxiii, 194, 261.
Euschistus fissilis Uhl., xxiii, 195, 261.
servus Say, xxiii, 195, 261.
variolarius Pal. Beauv., xix, 26; xxiii, 195, 261-262.
 sp., xiii, 183; xix, 72, 81.
Thyanta custator Fabr., xxiii, 196, 262.
perditor Fabr., xxiii, 117, 233, 262.
Murgantia histrionica Hahn, xxiii, 196, 262; xxiv, 43, 46, 48.

COREIDÆ

(xxi, 50, 56)

Acanthocerus galeator Fabr., xxi, 96, 97.
Leptoglossus oppositus Say, xxiii, 197, 233, 262.
phyllopus Linn., xxiii, 197, 198, 233, 262.
Anasa tristis DeG., xix, 72; xxi, 96, 97.
Corizus lateralis Say, xxi, 96.

LYGÆIDÆ

(xxi, 56, 87, 93)

Nysius, xxi, 93.
angustatus Uhl., xiii, 62, 104, 179; xxi, 94, 95; xxiii, 12, 117, 233, 263.
destructor Riley, xiii, 104, 105.
minutus Uhl., xxi, 95.
Ischnodemus falicus Say, xix, 75.
Blissus leucopterus Say, xiii, 9, 40; xiv, 4; Misc. Ess., 23, 112, 128; xv, 1, 89; xvi, IX, XII, 1, Appendix; xvii, IX,

XV, 74; xviii, VII, 4, 52, 53, 58; xix, 5, 16, 177; xx, V, 35, 45, 75, 79; xxi, 86; xxiii, 3, 4, 5, 6, 7, 12, 17, 57, 117, 233, 263; xxiv, 30, 52.

Geocoris, xxi, 93.

bullatus Say, xxi, 93, 94, 95.
pallens Stål, xxi, 95.

Ligyrocoris sylvestris Stål, xxiii, 198, 233, 263.

Microtoma atrata Goeze, xxiii, 198, 233, 263.

Sphragisticus, xxi, 93.

nebulosus Fall., xxi, 93, 94; xxiii, 198, 233, 263.

Emblethis, xxi, 93.

griseus Wolff, xxi, 93, 94.

TINGITIDÆ

Piesma cinerea Say, xxi, 85.

REDUVIIDÆ

Milyas cinctus Fabr., xv, 84.

NABIDÆ

Pagasa fusca Stein, xix, 116, 119 (*Nabis*).
Reduviolus ferus Linn., xxi, 61, 63 (*Coriscus*).

ANTHOCORIDÆ

Triphleps insidiosus Say, xiii, 105; Misc. Ess., 16; xv, 4; xxi, 85; xxiii, 202, 233, 264.

CAPSIDÆ

(xxi, 86; xxiii, 202, 233, 264)

Hadronema militaris Uhl., xxi, 92.

Calocoris rapidus Say, xiii, 10, 62, 124, 127, 135 (*Deracocoris*); xxi, 87, 92; xxiii, 199, 233, 264.

Lygus invitus Say, xiv, 110.

pratensis Linn., xiii, 10, 11, 62, 115, 138, 179 (*lineolaris*); xxi, 87, 90; xxiii, 12, 118, 233, 263.

Pœcilocapsus lineatus Fabr., xxiii, 200, 233, 264.

Eccritotarsus elegans Uhl., xxi, 87, 90.

Pilophorus? sp., xx, Appendix, VIII (*Camaronotus fraternus* Uhl.).

Hyaliodes vitripennis Say, xxi, 63.

Garganus fusiformis Say, xxi, 87, 90.

Halticus uhleri Giard, xxi, 87, 88.

Macrocoleus chlorionis Say, xxi, 87, 90.

Plagiognathus obscurus Uhl., xxi, 87, 89; xxiii, 201, 233, 264.

Agalliaestes associatus Uhl., xxi, 87, 88.

Homoptera

CICADIDÆ

Cicada septendecim Linn., xix, 90 (*treddecim*), 125, 127, 128.

FULGORIDÆ

- Chlorochara conica* Say, xxi, 83 (*Chlorochara*); xxiii, 203, 233, 264.
Ormenis pruinosa Say, xxi, 83; xxiii, 203, 233, 264.
Delphacinae, xxi, 50, 53, 56, 62; xxiii, 7, 233.
Dicranotropis maidis Ashm., xxiii, 120, 265 (*Delphax*).
 sp., xxiii, 204, 265.
Stobæra tricarinata Say, xxi, 65, 67 (*Stobera*); xxiii, 204 (*Stobera*).
Liburnia ornata Stål, xxi, 65, 67, 68; xxiii, 204, 265.
puella Van D., xxi, 65, 68.

JASSOIDEA

- [(xxi, 50, 53, 56, 62; xxiii, 7, 233 (*Jassidæ*)]

BYTHOSCOPIDÆ

- Agallia*, xxi, 64.
novella Say, xiv, 22 (*Macropsis nobilis*, in part); Misc. Ess., 117 (*Macropsis nobilis*); xxi, 65, 66, 69.
 4-punctata Prov., xiv, 22 (*Macropsis nobilis*, in part); xxi, 65, 66, 68, 69; xxiii, 121, 265.
sanguinolenta Prov., xxi, 65, 66, 69.
uhleri Van D., xxi, 65, 66, 70.

TETIGONIIDÆ

- Oncometopia*, xxi, 64.
undata Fabr., xxi, 66, 70, 75; xxiii, 204, 265.
Diedrocephala, xxi, 64 (in part).
coccinea Forst., xxi, 71.
versuta Say, xxi, 66.
Dræculacephala, xxi, 64 (*Diedrocephala*, in part).
mollipes Say, xxi, 66 (*Diedrocephala*); xxiii, 205, 265.
Gypona, xxi, 64.
 8-lineata Say, xxi, 66, 72.

JASSIDÆ

- Platymetopius acutus* Say, xxi, 66, 72.
Deltocephalus inimicus Say, xiv, 22, 67 (*Jassus*); Misc. Ess., 116 (*Jassus*); xv, 43 (*Jassus*); xxi, 66, 73, 74; xxiii, 121, 265.
melsheimeri Fitch, xxi, 66, 73.
nigrifrons Forbes, n. sp., xiv, 22, 67 (*Cicadula*); Misc. Ess., 117 (*Cicadula*); xxi, 66, 75; xxiii, 121, 265.
Athysanus sp., xxi, 75.
Eutettix seminuda Say, xxi, 66, 75.
tenella Uhl., xxi, 75.
Phlepsius irroratus Say, xiii, 182 (*Jassus*); xiv, 67 (*Jassus*); xxi, 66, 75 (Errata), 76; xxiii, 205, 265.
 sp., xxi, 76.

- Gnathodus abdominalis* Van D., xxi, 67, 76 (see xxiii, 206).
impictus Van D., xxi, 67, 76 (see xxiii, 206).
 spp., xxiii, 206.
Cicadula 6-notata Fall., xiv, 22, 68 (*4-lineata*); Misc. Ess., 117 (*4-lineata*); xxi, 67, 77; xxiii, 121, 266.
Alebra albostriella Fall., xxi, 78 (Errata).
Dicranœura fieberi Loew, xxi, 67, 77, 78.
Empoœsa, xxi, 67.
flavescens Fabr., xxi, 67, 78, 79.
 var. *birdii* Goding, xxi, 79.
mali, LeB., xiii, 181 (*Empoœ albopicta*); xiv, 117 (*Empoœ albopicta*); Misc. Ess., 10, 23 (*Empoœ albopicta*); xxi, 67, 77, 79; xxiii, 121, 266.
obtusa Walsh, xxi, 78.
Typhlocyba, xxi, 67, 79.
comes Say, xxi, 79.
 var. *vitis* Harr., xxi, 79.
 ?*malefica* Walsh, xiii, 182 (*Erythro-neura*).
 ?*maligna* Walsh, xiii, 182 (*Erythro-neura*).
rosæ Linn., xxi, 78.
tricincta Fitch, xiv, 115.
vulnerata Fitch, xxi, 79.

MEMBRACIDÆ

- Ceresa taurina* Fitch, xxiii, 204.
Acutalis calva Say, xxi, 80.
Thamnotettix belli Uhl., xxi, 76.

PSYLLIDÆ

- Psylla pyricola* Först., xiv, 98, 100 (*pyri*).
Trioza diospyri Ashm., xiv, 99.
pyrifoliæ Forbes, n. sp., xiv, 98, 100.

APHIDIDÆ

- (xiii, 11, 41, 46, 52; xvii, 84; xviii, 52, 55; xix, 35, 52, 72, 81, 85; xxi, 50, 53, 56, 80; xxii, 101, 103, 104; xxiii, 2, 6, 7, 9, 215, 233)
Rhizobiinæ, xviii, 101.
Tychea, xviii, 94, 101.
brevicornis Hart, n. sp., xviii, 53, 57, 97, 101; xxiii, 267.
phaseoli Pass., xviii, 98, 101.
Trama, xviii, 94.
erigeronensis Thom., xviii, 53, 57, 93; xxiii, 267.
Forda occidentalis Hart, n. sp., xviii, 53, 57, 95; xxiii, 267.
Rhizobius, xiv, 71, 72; xviii, 106.
panici Thom., xviii, 101, 106.
poæ Thom., xviii, 106.
sonchi Pass., xiii, 100.
spicatus Hart, n. sp., xviii, 53, 57, 104; xxiii, 267.

- Phylloxera vastatrix Planch., xiv, 7; xxi, 86.
- Chermaphis abietis Kalt., xx, Appendix, XIX (*Chermes*).
- coccineus Cholodk., xx, Appendix, XIX (*Chermes*).
- laponicus Cholodk., xx, Appendix, XIX (*Chermes*).
- pini Koch, xx, Appendix, XIX (*Chermes*).
- pinicorticis Fitch, xvii, XIII (*Chermes*); xx, Appendix (*Chermes*).
- sibericus Cholodk., xx, Appendix, XIX (*Chermes*).
- strobilobius Kalt., xx, Appendix, XIX (*Chermes*).
- viridis Ratz., xx, Appendix, XIX (*Chermes*).
- Geocica, xviii, 101.
- carnosa Buckt., xviii, 101 (*Endeis*).
- setariæ Pass., xviii, 101.
- squamosa Hart, n. gen. et sp., xviii, 53, 57, 98; xxiii, 267.
- Hormaphis, xviii, 101.
- Pemphigus betæ Doane, xxi, 52, 159.
- boyeri Pass., xiii, 40.
- Toxoptera graminum Rond., xiii, 40; xvii, X; xxiii, 134, 266.
- Schizoneura, xiii, 52.
- corni Koch, xiii, 40; xviii, 57, 86, 89.
- lanigera Hausm., xvii, XIII; xxii, 99, 100, 104, 106.
- panicola Thom., xiii, 42, 49, 51; xiv, 28, 29; xvii, 65 (*corni*); xviii, 53, 57, 68, 85; xxiii, 267.
- rileyi Thom., xiv, 114.
- venusta Pass., xiii, 52.
- Chaitophorus, xiii, 42.
- negundinis Thom., xxiii, 210.
- Sipha flava Forbes, n. sp., xiii, 42, 50, 53, 54 (*Chaitophorus flavus*); xiv, 70 (*Chaitophorus flavus*); xviii, 70, 72 (*Chaitophorus flavus*); xxiii, 210, 267 (*Chaitophorus flavus*).
- maydis Pass., xiii, 40.
- sp., xiii, 40.
- Aphis atriplicis Linn., xxi, 82.
- chloris Koch, xiii, 100.
- gossypii Glover, xxi, 81.
- maidiradicis Forbes, n. sp., xiii, 9, 11, 46 (*maidis*, in part); xiv, 23 (*maidis*, in part); Misc. Ess., 24, 46, 117 (*maidis*, in part); xv, 5 (*maidis*); xvi, XII (*maidis*, in part); xvii, 64; xviii, 4, 5, 52, 53, 56, 57, 58, 85, 104; xxii, 146; xxiii, 2, 4, 9, 12, 69, 125, 156, 266; xxiv, 8.
- maidis Fitch, xiii, 9, 11, 40, 41, 42, 46, 53 (in part); xiv, 23 (in part); Misc. Ess., 24, 46, 117 (in part); xvi, XII (*maidis*, in part); xvii, 64; xviii, 57, 69, 74, 82; xix, 85; xxiii, 2, 3, 9, 10, 12, 123, 156, 266.
- mali Fabr., xviii, 9; xiv, 28, 98 (*mali* and *malifoliæ*); xvii, 68; xxii, 127; xxiii, 127.
- middletonii Thom., xxi, 80, 159, 161.
- prunicola Kalt., xxii, 100, 104, 107.
- spp., xiii, 62, 98, 102, 143.
- Siphocoryne avenæ Fabr., xiii, 40 (*Aphis*); xvii, IX, X, 56 (*Siphonophora*, in part); xviii, 57 (*Aphis mali*); xix, 51 (*Siphonophora*, in part); xxiii, 206, 266.
- Rhopalosiphum, xiii, 46; xiv, 25.
- dianthi Schrank, xxiii, 210, 266.
- Myzus achyrantes Monell, xviii, 56; xxi, 82; xxii, 209, 266.
- cerasi Fabr., xxii, 129.
- Phorodon humuli Schrank, xviii, 57.
- Macrosiphum erigeronensis Thom., xxi, 83 (*Nectarophora*).
- fragariæ Koch, xiii, 62, 98, 103 (*Siphonophora*).
- var. immaculata Riley, xiii, 99 (*Siphonophora*).
- granarium Buckt., xvii, IX, X; xviii, 56 (*Siphonophora avenæ*, in part); xix, 51 (*Siphonophora avenæ*, in part); xxiii, 206, 266 (*granaria*).
- minor Forbes, n. sp., xiii, 62, 98, 101, 103 (*Siphonophora*).
- pisi Kalt., xxi, 83 (*Nectarophora*).
- rosæ Linn., xiii, 101 (*Siphonophora*); xviii, 56 (*Siphonophora*).
- trifolii Perg., xxiii, 208, 266.
- sp., xiii, 42, 50, 54 (*Siphonophora*).

ALEYRODIDÆ

- Aleyrodes forbesii Ashm., xiii, 98 (maple coccid), Addenda et Corrigena (*Aleyrodes* sp.); xiv, 110 (*aceris*).

COCCIDÆ

- (xviii, 55; xxi, 56, 159; xxii, 100, 103, 104, 112; xxiv, 44, 45)
- Icerya purchasi Mask., xx, 22.
- Pseudococcus solani Ckll., xxi, 161 (*Dactylopius*).
- sorghiiellus Forbes, n. sp., xiv, 71 (*Coccus*); xviii, 53, 106 (*Dactylopius*); xxiii, 267 (*Dactylopius*).
- trifolii Forbes, n. sp., xiv, 72 (*Coccus*).
- sp., xviii, 56, 68, 106 (*Dactylopius*); xxi, 159, 161.
- Pulvinaria innumerabilis Rathv., xiii, 62, 98; xiv, 3, 7, 103, 115; Misc. Ess., 25; xvii, XII; xxiv, 100.

Eulecanium nigrofasciatum Perg., xxii, 118 (*Lecanium*).

Lecanium quercitronis Fitch, xiv, 105, sp., xiv, 115.

Chionaspis furfura Fitch, xx, 16 (*furfurus*); xxi, 20 (*furfurus*); xxii, 118; xxiv, 51.

pinifoliae Fitch, xx, 21, Appendix, VI, XVIII (last, *Aspidiotus*).

Aulacaspis pentagona Targ., xxii, 117 (peach *Diaspis*).

rosae Bouché, xxii, 120.

Aspidiotus ancyclus Putn., xx, 15, 16, 17; xxii, 114.

forbesi Johnson, xx, 15, 16, 17; xxi, 20; xxii, 114; xxiv, 51.

howardi Ckll., xx, 15, 16, 17.

perniciosus Comst., xx, V, VI, 1; xxi, 1; xxii, 27, 67, 91, 96, 99, 112, 113, 114; xxiv, 44, 46, 59.

uvæ Comst., xvii, XI; xxii, 120.

Chrysomphalus obscurus Comst., xx, 15, 16, 17, 22 (*Aspidiotus*); xxi, 31, 32 (*Aspidiotus*).

Lepidosaphes ulmi Linn., xvii, XIV (oyster-shell bark-louse); xx, 16 (*Mytilaspis pomorum*); xxii, 119 (*Mytilaspis pomorum*).

NEUROPTERA

(xiii, 60; xxiii, 14)

CHRYSOPIDÆ

Chrysopa robertsoni Fitch, xx, Appendix, VI, VII, IX, X, XII.

spp., xiv, 33; xv, 60; xx, Appendix, VI, VII, IX, X, XII; xxi, 81 (lacewing flies); xxiii, 14.

HEMEROBIDÆ

Hemerobius alternans Fitch, xx, Appendix, VI, VII, IX, XI, XII.

COLEOPTERA

(xiii, 60, 61, 62; Misc. Ess., 13; xviii, 8, 152; xix, 82; xxi, 50, 56, 101, 158; xxiii, 8, 11, 249; xxiv, 44, 45, 50)

Adephaga

CARABIDÆ

(Misc. Ess., 52, 53; xv, 40, 41, 44; xviii, 84; xxi, 109; xxiii, 11, 176, 227)

Omophron, xxiii, 178.

labiatum Fabr., Misc. Ess., 92; xxiii, 178, 227, 249.

Calosoma, xxi, 101.

calidum Fabr., Misc. Ess., 65, 71.

Clivina impressifrons Lec., xviii, 8, 15; xxi, 136; xxiii, 228, 249.

Pterostichus lucublandus Say, xxiii, 177, 249.

permundus Say, xxiii, 177, 249.

sayi Brullé, xiv, 16.

Evarthrus colossus Lec., xix, 26.

Amara, xxiii, 177.

musculus Say, xxiii, 177, 249.

Platynus cincticollis Say, xxiii, 177, 249.

crenistriatus Lec., xxiii, 177, 249.

Chlænienus tomentosus Say, xviii, 126.

Agonoderus pallipes Fabr., xviii, 8, 12; xxiii, 11, 178, 228, 249; xxiv, 26.

Harpalus, xxiii, 177.

caliginosus Fabr., xxiv, 26.

Anisodactylus, xxiii, 177.

rusticus Say, xxiii, 177, 249.

Clavicornia

(xxiii, 180)

SILPHIDÆ

(xix, 74)

Silpha bituberosa Lec., xxi, 137.

opaca Linn., xxi, 136, 137.

STAPHYLINIDÆ

(xxiii, 180)

Bolitochara sp., xxiii, 180, 249.

Ancyrophorus planus Lec., xxiii, 180, 249.

PHALACRIDÆ

(xxiii, 11, 180)

Phalacrus peltis Mels., xxiii, 180, 249.

Eustilbus apicalis Mels., xxiii, 180, 249.

Orthoperus scutellaris Lec., xxiii, 180, 249.

COCCINELLIDÆ

(xiii, 45, 103; xiv, 109; xix, 128; xx, Appendix, IX; xxi, 81, 109, 113; xxiii, 179; xxiv, 117)

Megilla maculata DeG., xiv, 21, 24 (*Hippodamia*), 33; Misc. Ess., 92; xx, Appendix, VI, VIII, XI; xxiii, 179, 231, 249.

Hippodamia convergens Guér., xiv, 24, *glacialis* Fabr., xiv, 24, 33.

Coccinella 9-notata Herbst, xiv, 24, 33; xix, 140; xxiii, 179, 231, 250.

sanguinea Linn., xiv, 33 (*Cycloneda*).

Harmonia picta Rand, xx, Appendix, VIII (*Coccinella*).

Anatis ocellata Linn., xvi, XI (*15-punctata*).

Chilocorus bivulnerus Muls., xx, 19, 20, Appendix, VI, VIII, XI; xxi, 43; xxiv, 115.

Smilia misella Lec., xx, 19, 21, Appendix, VIII; xxi, 43 (*Pentilia*).

- Hyperaspis, Misc. Ess., 25.
 binotata Say, xiv, 33, 104 (*signata*);
 xxiv, 115.
- Scymnus terminatus Say, xx, Appendix,
 VIII.
 sp., xx, Appendix, VIII.
- Rhizobius lophantæ Blaisd., xx, 22.
- Novius cardinalis Muls., xx, 22 (*Ve-*
dalia).
 koebeleii Olliff, xx, 22.
- CUCUJIDÆ
- Silvanus advena Waltl, Misc. Ess., 94.
 cassiæ Reich., Misc. Ess., 93.
 surinamensis Linn., Misc. Ess., 93.
- MYCETOPHAGIDÆ
- Typhœa fumata Linn., Misc. Ess., 94.
- DERMESTIDÆ
 (xix, 74)
- NITIDULIDÆ
 (xxiii, 11, 181)
- Carpophilus antiquus Mels., xxiii, 181,
 250.
 dimidiatus Fabr., xxiii, 181, 250.
 pallipennis Say, xxiii, 181, 250.
- Colastus semitectus Say, xxiii, 181, 250.
- Ips 4-guttatus Fabr., Misc. Ess., 94
 (*fasciatus*); xviii, 8, 23 (*fasciatus*);
 xxiii, 11, 181, 227, 250.
- LATHRIDIIDÆ
 [xxiii, 182 (*Lathridiidae*)]
- Cartodere ruficollis Marsh., xxiii, 182,
 250.
- Melanophthalma distinguenda Comst.,
 xxiii, 182, 250.
 pumila Lec., xxiii, 182.
- TROGOSITIDÆ
 (xxiii, 180, 182)
- Tenebrioides corticalis dubia Mels., Misc.
 Ess., 94 (*T. dubia*); xxiii, 182, 250.
 mauritanica Linn., xvi, XI; xix, Ap-
 pendix, 26, 40; xxiii, 182.
- Serricornia*
- ELATERIDÆ
- (xiii, 60, 62, 143; xiv, 17; Misc. Ess., 17,
 95; xvii, XV; xviii, 3, 4, 5, 7, 8, 28, 52,
 58, 146, 147; xxi, 50, 52, 53, 56, 161;
 xxii, 146; xxiii, 2, 4, 7, 12, 69, 228, 229,
 250)
- Elateridæ? sp., xxiii, 186, 226, 251.
- Eucneminae, xviii, 31.
- Agrypnus, xviii, 31.
- Chalcolepidius, xviii, 31.
- Alaus, xviii, 31.
- Elaterini, xviii, 31.
- Cardiophorus sp., xv, 4; xviii, 8, 28, 29,
 31, 32, 54; xxiii, 251.
- Cryptohypnus, xviii, 32.
- Monocrepidius sp., xvii, 81.
- Elater, xviii, 31, 32.
- Drasterius, xviii, 31.
 elegans Fabr., xviii, 8, 29, 34, 54; xxi,
 162, 251.
- Ludius, xviii, 32.
- Corymbitini, xviii, 31.
- Agriotes, xviii, 31, 32.
 mancus Say, Misc. Ess., 18, 96; xviii,
 8, 29, 36, 54; xxiii, 251.
 pubescens Mels., xviii, 8, 39, 55.
- Dolopius, xviii, 31.
- Melanotus, xviii, 31, 32.
 americanus Herbst, xviii, 32.
 communis Gyll., Misc. Ess., 17, 18, 97;
 xviii, 8, 32, 39, 41, 42, 43, 55; xxiii,
 251.
 cribulosus Lec., Misc. Ess., 17, 97;
 xviii, 9, 21, 32, 42, 55; xxi, 162;
 xxiii, 251.
 fissilis Say, xviii, 9, 29, 39, 41, 47, 55;
 xxiii, 251.
 infaustus Lec., xviii, 9, 42, 55; xxiii,
 251.
- Athous, xviii, 32.
- Asaphes, xviii, 32, 47.
 decoloratus Say, xviii, 9, 30, 55; xxiii,
 251.
- Melanactes, xviii, 31.
- Cebriionini, xviii, 31.
- BUPRESTIDÆ
 (xviii, 31)
- CLERIDÆ
- Cymatodera balteata Lec., xxiv, 125,
 128, 129.
- PTINIDÆ
- Sitodrepa panicea Linn., Misc. Ess., 97.
- Lamellicornia*
 (xxiii, 180)
- SCARABÆIDÆ
 (xiii, 60; xxiii, 12, 183, 184, 227)
- Onthophagus hecate Panz., xxiii, 183,
 251.
- Atanius cognatus Lec., xxiii, 183, 251.
- stercorator Fabr., xix, 140; xxiii, 183.
- Aphodius granarius Linn., xviii, 8; xxiii,
 183, 228, 252.
- lutulentus Hald., Misc. Ess., 98; xviii,
 14.
- Serica vespertina Gyll., xviii, 133; xix,
 70.
- Macroductylus subspinosus Fabr., Misc.
 Ess., 98; xxiii, 184, 227, 252.

- Lachnosterna*, xiii, 150; Misc. Ess., 100; xvi, XI; xvii, XV, 30, 46, 47; xviii, 4, 5, 52, 53, 62, 71, 82, 109, 144, 145; xix, 19, 35, 41, 57, 72, 77, 78, 79, 95; xx, V, 26; xxi, 50, 52, 53, 56, 163; xxii, 146; xxiii, 2, 4, 5, 6, 11, 12, 37, 69, 102, 105, 228, 252; xxiv, 135.
- affinis* Lec., xvii, 47, 49; xviii, 140, 142.
- arcuata* Smith, xvii, 34, 36, 38, 47, 50; xviii, 139, 142; xxiv, 137.
- balia* Say, xvii, 47, 51; xviii, 140, 143.
- bipartita* Horn, xviii, 139, 142.
- ciliata* Lec., xvii, 51; xviii, 144.
- congrua* Lec., xvii, 47, 48, 49; xviii, 139, 142.
- corrosa* Lec., xvii, 47, 50; xviii, 140, 143.
- crassissima* Blanch., xvii, 47, 49; xviii, 139, 142.
- crenulata* Fröhl., xvii, 47, 51; xviii, 116, 140, 144; xxiv, 154, 163.
- dubia* Smith, xvii, 47, 50; xviii, 139, 142; xxiv, 141, 151.
- ephilida* Say, xvii, 47, 48; xviii, 116, 139, 141; xxiv, 153 (*ephelida*).
- fraterna* Harr., xvii, 37, 47, 50, 51; xviii, 140, 143.
- fusca* Fröhl., xvii, 32, 36, 37, 38, 45, 46, 47, 48, 50, 51; xviii, 54, 113, 115, 116, 117, 119, 121, 138, 139, 142; xx, 33; xxiii, 252; xxiv, 137, 138, 139, 140, 141, 142, 143, 144, 151, 152, 154.
- gibbosa* Burm., xvii, 35, 36, 37, 38, 45, 46, 47, 48, 49, 51; xviii, 54, 113, 116, 117, 119, 121, 124, 138, 139, 141; xx, 33; xxiii, 252; xxiv, 137, 139, 140, 141, 142, 143, 144, 152.
- glaberrima* Blanch., xvii, 47, 48; xviii, 139, 141.
- gracilis* Burm., xvii, 47, 49; xviii, 140, 141 (Errata).
- grandis* Smith, xvii, 47, 50; xviii, 139, 142.
- hirticula* Knoch, xvii, 35, 36, 37, 38, 39, 43, 45, 46, 47, 51, 81; xviii, 54, 113, 115, 116, 117, 119, 126, 138, 139, 140, 143; xx, 33; xxiii, 252; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152.
- hirtiventris* Horn, xvii, 47, 48, 49; xviii, 139, 141.
- ilicis* Knoch, xvii, 37, 47, 51; xviii, 113, 140, 144; xxiv, 137, 139, 140, 141, 143, 144, 149, 151, 152, 153.
- implicita* Horn, xvii, 36, 38, 47, 51; xviii, 121, 140, 143; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152, 153, 154.
- inepta* Horn, xvii, 47, 51; xviii, 140, 144.
- insperata* Smith, xvii, 47, 50; xviii, 139, 142.
- inversa* Horn, xvii, 35, 36, 37, 38, 39, 43, 45, 46, 47, 49, 51, 81; xviii, 54, 113, 115, 116, 117, 118, 119, 120, 138, 139, 142; xxiii, 252; xxiv, 137, 138, 139, 140, 141, 143, 144, 145, 150, 151, 152, 153.
- knochii* Gyll., xvii, 47, 50; xviii, 140, 143.
- lanceolata* Say, xvii, 47, 48; xviii, 139, 141; xxiii, 184, 226, 252.
- limula* Horn, xvii, 47, 51; xviii, 140, 143.
- longitarsus* Say, xvii, 47, 49; xviii, 139, 141.
- marginalis* Lec., xvii, 47, 50; xviii, 140, 143.
- micans* Knoch, xvii, 47, 50; xviii, 139, 142.
- nova* Smith, xvii, 47, 50; xviii, 140, 143.
- prætermissa* Horn, xvii, 47, 48; xviii, 139, 141.
- prunina* Lec., xvii, 47, 49; xviii, 139 (Errata), 142.
- rubiginosa* Lec., xviii, 115.
- rugosa* Mels., xvii, 35, 36, 37, 38, 42, 45, 46, 47, 50, 51; xviii, 54, 113, 116, 121, 138, 139, 140, 143; xxi, 164; xxiii, 252; xxiv, 137, 139, 140, 141, 143, 144, 145, 149, 150, 151, 152.
- tristis* Fabr., xvii, 36, 37, 47, 51; xviii, 116, 117, 140, 144; xxiv, 137, 138, 139, 140, 141, 143, 144, 152.
- villifrons* Lec., xvii, 47, 51; xviii, 140, 143.
- spp., xiii, 62, 143, 144, 147.
- Melolontha hippocastani* Fabr., xxiv, 137.
- melolontha* Linn., xvii, 33 (*Polyphyl-la melolontha*); xviii, 133 (*vulgaris*); xxiv, 137 (*vulgaris*).
- Anomala undulata* Mels., xxiii, 185, 227, 252.
- Cotalpa lanigera* Linn., xiii, 62, 143, 146, 179.
- Polymæchus brevipes* Lec., xviii, 133; xix, 70.
- Cyclocephala*, xvi, XI; xvii, XV, 30; xviii, 4, 5, 52, 53, 54, 109; xix, 72, 78; xx, V; xxii, 146; xxiii, 2, 4, 5, 6, 11, 12, 37, 69, 105, 228; xxiv, 148.
- immaculata* Oliv., xvii, 40, 45, 53; xviii, 110, 115, 121, 138; xx, 34; xxiii, 253; xxiv, 137.
- Ligyris gibbosus* DeG., xxi, 50, 52, 56, 165; xxiii, 7, 98, 184, 228, 253; xxiv, 137.
- relictus* Say, xxiv, 137.
- rugiceps* Lec., xxiii, 99, 228, 253.

- Aphonus tridentatus* Say, xxiii, 184, 228, 253.
- Allorhina mutabilis* Gory, xxiii, 7, 101, 227, 253.
- nitida* Linn., xiii, 62, 143, 149, 179; xviii, 54, 144; xxiii, 7, 101, 158, 227, 253; xxiv, 137.
- Euphōria inda* Linn., Misc. Ess., 101; xxiii, 99, 227, 231, 254.
- melancholica* Gory, xxiii, 99, 227, 254.
- sepulchralis* Fabr., xxiii, 99, 227, 254.
- Cremastochilus knochii* Lec., xxiii, 183.
- Parandra brunnea* Fabr., xvi, 49; xvii, 79, 81.
- Prionus imbricornis* Linn., Misc. Ess., 102; xviii, 54, 146; xxiii, 12, 254.
- laticollis* Drury, xviii, 54, 146; xxiii, 12, 254.
- Stenosphenus notatus* Oliv., Misc. Ess., 130.
- Saperda tridentata* Oliv., xiv, 112.
- Oberea tripunctata* Swed., xxiv, 127.
- ulmicola* Chitt., xxiv, 118.
- Phytophaga*
- CHRYSOMELIDÆ
- (xiii, 60, 153, 176; xxi, 56, 112; xxiii, 12, 186)
- Anomœa laticlavata* Forst., xix, 81.
- Cryptocephalus 4-maculatus* Say, xiii, 176.
- Eumolpini*, xiii, 153.
- Myochrous denticollis* Say, xxiii, 103, 229, 231, 254.
- Typophorus*, xiii, 171 (*Paria*).
- aterrimus* Oliv., xiii, 11, 62, 86, 144, 150, 159, 165, 166, 168, 169, 170, 171, 179 (*Paria aterrima*); xiv, 8, 81 (*Paria aterrima*).
- canellus* Fabr., xvii, 81 (*Paria canella*).
- gilvipes* Dej., xiii, 159 (*Paria*).
- opacicollis* Lec., xiii, 159 (*Paria*).
- 4-guttatus* Lec., xiii, 159 (*Paria 4-guttata*).
- 4-notatus* Say, xiii, 159 (*Paria 4-notata*).
- 6-notatus* Say, xiii, 159 (*Paria sexnotata*).
- Graphops*, xiii, 164, 169, 173, 174, 175 (*Scelodonta*).
- curtipennis* Mels., xiii, Addenda et Corrigenda.
- marcassita* Cr., xiii, Addenda et Corrigenda.
- nebulosus* Lec., xiii, 11, 62, 86, 144, 150, 158, 161, 162, 163, 167, 169, 170, 171, 175, 179 (*Scelodonta pubescens*), Addenda et Corrigenda, I and II (*Scelodonta*); xiv, 8, 81 (*Scelodonta*).
- pubescens* Mels., xiii, 169, Addenda et Corrigenda, I and II (*Scelodonta*); xiv, 81 (*Scelodonta*).
- Colaspis*, xiii, 157; xxi, 114.
- brunnea* Fabr., xiii, 11, 62, 86, 144, 150, 156, 167, 169, 170, 171, 175, 179; xiv, 8; xxi, 115, 125; xxii, 145; xxiii, 104, 228, 254-255.
- var. crotchii* Lefr., xiii, 157 (*var. costipennis*).
- strigosa*, xiii, 156.
- Nodonota tristis* Oliv., xiii, 62, 86, 158, 159 (*Colaspis*); xix, 81.
- Doryphora 10-lineata* Say, xix, 35, 54; xxiv, 54.
- Luperodes varicornis* Lec., xxiii, 187, 227, 255.
- Melasoma lapponica* Linn., xiv, 117 (*Plagiodera*); xxiii, 186, 231, 255.
- scripta* Fabr., xxiii, 186.
- Diabrotica*, xxi, 113; xxiii, 187, 227.
- atripennis* Say, xxiii, 189, 231.
- fossata* Lec., xxiii, 256.
- 12-punctata* Oliv., xvii, XI, 71; xviii, 4, 5, 52, 53, 55, 58, 146, 157; xxi, 115, 125; xxiii, 2, 6, 8, 11, 69, 187, 188, 227, 228, 229, 231, 255.
- longicornis* Say, xiii, 9, 55; xiv, 5; Misc. Ess., 19, 103; xv, 4; xvii, XI, 71; xviii, 4, 5, 52, 53, 55, 58, 146, 148, 152, 154; xxi, 115, 127; xxiii, 2, 4, 5, 6, 11, 12, 16, 69, 187, 188, 228, 231, 256.
- soror* Lec., xxiii, 188, 255.
- tenella* Lec., xxiii, 187, 255.
- vittata* Fabr., xvii, 81; xxi, 115, 126; xxiii, 188, 255-256.
- spp.*, xix, 57; xxi, 113.
- Monoxia consputa* Lec., xxi, 52, 115, 127.
- puncticollis* Say, xxi, 52, 115, 127.
- Halticini*, xiii, 86 (*Halticidæ*); xxi, 50, 114; xxiii, 106, 190, 226.
- Disonycha cervicalis* Lec., xxi, 114, 117.
- crenicollis* Say, xxi, 114, 115.
- pennsylvanicus* Ill., xvii, 79, 81, 82; xviii, XI; xix, 29, 30, 33, 35, 40, 41.
- triangularis* Say, xxi, 114, 115.
- xanthomelœna* Dalm., xxi, 114, 116, 117.
- Crepidodera atriventris* Mels., xxi, 114, 117.
- helxines* Linn., xiv, 98, 117.
- Epitrix brevis* Schwarz, xxi, 114, 118.
- cucumeris* Harr., xiv, 98, 117 (*Crepidodera*); xxi, 117; xxiii, 190, 256.
- fuscus* Cr., xiii, 86, Addenda et Corrigenda (*Crepidodera*), 62, 179.
- Systema*, xxi, 114.
- blanda* Mels., xiii, 62, 86, 179; Misc. Ess., 105; xvi, XI; xviii, 8, 21 (*tæniata*), 23 (*tæniata var. blanda*); xxi,

- 52, 114, 120 (*taniata*); xxiii, 107, 228, 256-257.
frontalis Fabr., xxi, 114, 120.
hudsonias Forst., xxi, 114, 119; xxiii, 190, 256.
Glyptina brunnea Horn, xxi, 114, 122; xxiii, 191, 258.
Longitarsus melanurus Mels., xxi, 114, 122.
Phyllotreta decipiens Horn, xxi, 114, 123.
pusilla Horn, xxi, 114, 123 (*albionica*); xxiii, 109, 257.
vittata Fabr., xiii, 62, 86, 179; xxi, 114, 123.
Chetocnema, xxi, 114.
confinis Cr., xxi, 114, 119; xxiii, 110, 257.
denticulata Ill., xxi, 114, 118; xxiii, 110, 257.
parcepunctata Cr., xxiii, 191, 257.
pulicaria Mels., xiv, 22; Misc. Ess., 106; xviii, VII; xxi, 118; xxiii, 109, 257.
subviridis Lec., xix, 81.
Psylliodes convexior Lec., xxi, 114, 124; xxiii, 191, 258.
punctulata Mels., xxi, 114, 124; xxiii, 191, 258.
Cassida nebulosa Linn., xxi, 124.
Chelymorpha argus Licht., xxiii, 192, 231, 258.

Heteromera

TENEBRIONIDÆ

- Xylopinus saperdoides* Oliv., xix, 26.
Tenebrio molitor Linn., Misc. Ess., 106.
obscurus Fabr., Misc. Ess., 106.
Tribolium confusum Duv., xix, Appendix, 39.
ferrugineum Fabr., xix, Appendix, 39.
Gnathocerus cornutus Fabr., xix, Appendix, 41.

MELOIDÆ

- (Misc. Ess., 19, 52, 53; xv, 4, 40, 41, 44; xxi, 50, 52, 54, 129, 137; xxiii, 227)
Megetra vittata Lec., xxi, 138, 139.
Macrobasis unicolor Kirby, xxi, 138, 139, sp., xv, 41.
Epicauta, Misc. Ess., 51.
cinerea Forst., Misc. Ess., 19, 51; xv, 4; xxi, 138, 140.
maculata Say, xxi, 138, 139.
marginata Fabr., xxi, 138, 141; xxiii, 111, 231, 258; xxiv, 54.
pennsylvanica DeG., Misc. Ess., 19, 107; xv, 4; xxi, 138, 141; xxiii, 111, 231, 258.
vittata Fabr., Misc. Ess., 19, 51, 107; xv, 4; xix, 140; xxi, 138, 140; xxiii, 111, 231, 258.

- var. *lemniscata* Fabr., xxi, 140.
 sp., Misc. Ess., 53.

- Cantharis nuttalli* Say, xxi, 139, 142.

Rhynchophora

- (xvi, 75; xxi, 142; xxiii, 229)

RHYNCHITIDÆ

- Rhynchites bicolor* Fabr., xvi, 75.
hirtus Fabr., xvi, 75.

OTIORHYNCHIDÆ

(xiii, 60)

- Epicærus imbricatus* Say, Misc. Ess., 21, 108; xvi, 76; xxi, 143; xxiii, 113, 231, 259.
Otiorynchus ovatus Linn., xxiii, 192, 228, 259.
singularis Mann., xxi, 143, 144.
sulcatus Fabr., xiii, 62, 177; xxi, 143, 144.
Tanymecus confertus Gyll., xxi, 143, 145.
Aramigus fulleri Horn, xvii, XIII.

CURCULIONIDÆ

(xiii, 60)

- Naupactus xanthographus*, xvii, 81.
Ithycerus noveboracensis Forst., xv, 5.
Apion sp., xxi, 143, 145.
Lixus concavus Say, xvi, 76; xxiii, 114, 229, 259.
mucidus Lec., xxiii, 114, 229, 259.
terminalis Lec., xvi, 76.
Magdalis armicollis Say, xiv, 112, 113.
Tachypterus quadrigibbus Say, Misc. Ess., 26 (*Anthonomus*); xv, 7, 15 (*curculios*).
Anthonomus grandis Boh., xxiv, 43, 46, 49.
muscus Say, xiii, 62, 114, 179.
Conotrachelus nenuphar Herbst, Misc. Ess., 21, 26; xv, 7, 15 (*curculios*); xvi, 76; xvii, XV, 21; xxiv, 78.
Tyloderma fragariae Riley, xiii, 62, 142, 151, 176, 179; xiv, 8.
Mononychus vulpeculus Fabr., xvi, 77.
Rhinoncus pyrrhopus Lec., xvi, 77.
Limnobaris deplanata Casey, xxiii, 193, 229, 259.
Centrinus penicellus Herbst, xxi, 143, 145.
perscitus Herbst, xxi, 143, 145.
Balaninus uniformis Lec., xvi, 77.

CALANDRIDÆ

- Sphenophorus*, xvi, 58, 59, 63, 75; xviii, 4, 5; xxii, 1; xxiii, 7, 11, 12, 17, 115, 229; xxiv, 1.
cariosus Oliv., Misc. Ess., 109; xvi, 58, 60, 64, 67, 68, 71; xxii, 19; xxiii, 52, 260.

- costipennis Horn, xvi, 64, 67, 68.
 maidis Chitt., xxiii, 260.
 melanocephalus Fabr., xvi, 64.
 minimus Hart, n. sp., xvi, 65.
 ochreus Lec., xvi, XII, 58, 59, 63, 66,
 67, 68, 70, 71, Errata; xxii, 1, 9;
 xxiii, 52, 229.
 parvulus Gyll., Misc. Ess., 22, 111; xv,
 5; xvi, 58, 59, 65, 67, 69, 71; xxii, 3;
 xxiii, 52, 229, 261; xxiv, 2, 7.
 pertinax Oliv., Misc. Ess., 23, 108; xvi,
 58, 60, 64, 67, 68; xxii, 13, 14, 15, 17;
 xxiii, 52, 260.
 robustus Horn, Misc. Ess., 109; xvi,
 58, 59, 60, 64, 65, 67, 68, 69, 71; xxii,
 22; xxiii, 52.
 sayi Gyll., xvi, 65.
 scoparius Horn, xvi, 58, 64, 68, 70;
 xxii, 21; xxiii, 52, 260.
 sculptilis Uhl., Misc. Ess., 109; xvi,
 58, 64, 67, 68, 71, 72; xxii, 21; xxiii,
 52.
 venatus Say, xvi, 58, 61, 65, 67, 68, 70
 (*placidus*); xxii, 8 (*placidus*); xxiii,
 52, 261.
 Calandra granaria Linn., Misc. Ess., 112.
 oryzae Linn., Misc. Ess., 111.
 sp., xviii, 4, 6; xxiii, 5.

SCOLYTIDÆ

- Xyleborus pyri Peck, xvii, 2.
 Scolytus rugulosus Ratz., xvii, IX, X,
 1; xxi, 40.

ANTHRIBIDÆ

- Brachytarsus variegatus Say, xxiii, 194,
 261.

LEPIDOPTERA

- (xiii, 60, 61; Misc. Ess., 16; xvii, 84;
 xviii, 84; xix, 62, 72; xx, 104; xxiii,
 8, 10, 236; xxiv, 44, 45)

TINEIDÆ

- Pseudanaphora arcanella Clem., xvi, X,
 98; xxiii, 44, 95, 226, 248.
 Anaphora popeanella Clem., xvi, 98
 (*agrotipennella*); xxiii, 44, 95, 226, 248.
 Hypoclopus mortipennellus Gr., xvi, X,
 101 (*Cænogenes mortipennella*); xxiii,
 44, 95, 226, 248.
 Tinea granella Linn., Misc. Ess., 90.
 Tischeria ænea F. & B., xv, 46, 47.
 malifoliella Clem., xv, 45.
 roseticola F. & B., xv, 46, 47.
 Ornix geminatella Pack., xv, 49, 51.
 Lithocolletes blancardella Fabr., xv, 52
 (*Lithocolletis cratægella*).

ELACHISTIDÆ

- Batrachedra rileyi Wlsm., xxiii, 176, 227,
 248.
 Coleophora fletcherella Fern., xxi, 146.

GELECHIIDÆ

- Anarsia lineatella Zell., xiii, 62, 141, 179.
 Sitotroga cerealella Oliv., xiii, 10 (*Ge-
 lechia*); Misc. Ess., 89; xviii, 6 (corn
 moth).

TORTRICIDÆ

- (xxi, 56, 105; xxiii, 174, 226)
 Eulia triferana Walk., xiv, 20 (*Lophode-
 rus triferanus*); Misc. Ess., 88
 (*Lophoderus triferanus*); xxiii, 175,
 248.
 velutinana Walk., xiv, 81, 88 (*Loph-
 oderus velutinanus*).
 Tortrix pallorana Rob., xiv, 74.
 Pandemis lamprosa Rob., xiv, 109.
 Platynota flavedana Clem., xxiii, 176,
 226, 248.
 Archips obsoletana Clem., xiii, 61, 92, 95,
 179 (*Cacæcia*).
 persicana Fitch, xiii, 62, 97, 179 (*Pty-
 choloma*).
 rosaceana Harr., xiii, 61, 94, 95, 179
 (*Cacæcia*); xiv, 74, 97, 109 (*Cacæ-
 cia*).
 Epagoge sulphureana Clem., xiv, 17, 21,
 74 (*Dichelia*); Misc. Ess., 88 (*Diche-
 lia*); xxiii, 174, 248.
 Alceris minuta Rob., xiii, 183 (*Teras
 malivorana*); xiv, 7, 97 (*Teras maliv-
 orana*); Misc. Ess., 10, 23 (*Teras
 malivorana*); xv, 58, 60, 75 (*Teras*).
 oxycoecana Pack., xv, 79, 81, 82 (*Te-
 ras*).
 Carpocapsa pomonella Linn., Misc. Ess.,
 9, 22, 26; xv, 2, 7; xvi, X.
 Ancyliis comptana Fröl., xiii, 61, 74, 87,
 95, 179 (*Phoxopteris*).
 Eudemis vacciniana Pack., xv, 82 (*An-
 chylopera*).
 Exartema exoletum Zell., xiv, 118 (*Ec-
 copsis*).
 permundanum Clem., xiii, 61, 111, 179
 (*Eccopsis permundana*).
 Polychrosia viteana Clem., Misc. Ess.,
 128 (*Eudemis botrana*).
 PTEROPHORIDÆ
 Oxyptilus delavariensis Zell., xiv, 90, 91.
 PYRALIDÆ
 Plodia, xix, Appendix, 9.
 interpunctella Hübn., Misc. Ess., 91
 (*Ephestia scæ*); xix, Appendix, 9,
 12, 15, 42.
 Ephestia, xix, Appendix, 9.
 desuetella Walk., xix, Appendix, 17.
 fuscofasciella Rag., xix, Appendix, 9.
 kuehniella Zell., xix, Appendix.
 sericaria Scott, xix, Appendix, 9, 17.

- Canarsia hammondi Riley, xiv, 7, 97 (*Pempelia*); xv, 58, 76 (*Pempelia*); xix, Appendix, 41, 42.
- Euzophera cinerosella Zell., xvii, 26.
semifuneralis Walk., xvi, IX; xvii, XI, 26.
zellerella, xvii, 26.
- Elasmopalpus lignosellus Zell., Misc. Ess., 86 (*Pempelia lignosella*); xxiii, 7, 10, 11, 94, 232, 248.
- Mineola indiginella Zell., xv, 65 (*Phycis*); xxii, 101, 103, 129.
var. nebulella Riley, xv, 70 (*Phycita nebulosa* var. *nebulella*).
juglandis LeB., xv, 70 (*Phycis indiginella* var. *juglandis*).
- Myelois ceratoniae Zell., xix, Appendix, 12, 13.
- Diatraea saccharalis Fabr., Misc. Ess., 87; xxiii, 7, 10, 91, 233, 247-248.
- Crambus, xviii, 4, 6; xxiii, 7, 10, 11, 16, 36, 149, 226, 247; xxiv, 51.
caliginosellus Clem., xiv, 12 (*zeellus*); Misc. Ess., 10, 87 (*zeellus*); xvi, IX (*zeellus*); xxiii, 33, 40, 41, 42, 43, 153, 154, 155, 230, 247 (*luteolellus*); 42, 153, 155.
hortuellus Hübn., xxiii, 42, 43.
mutabilis Clem., xvi, IX (*fuscicostellus*); xxiii, 39, 40, 41, 42, 43, 152, 154, 230, 247.
ruricollellus Zell., xxiii, 153, 154.
teterrellus Zinck., xviii, XI (*camurellus*).
trisectus Walk., xvi, IX (*arsiccatus*); xxiii, 39, 40, 42, 43, 154, 230, 247.
vulgivagellus Clem., xxiii, 39, 42, 43, 153, 154, 230, 247.
- Pyralis farinalis Linn., Misc. Ess., 86 (*Asopia*); xviii, X, 4; xix, Appendix, 15 (*Asopia*).
- Pyraustinae, xxi, 56, 105 (*Pyraustidae*).
- Phlyctenia ferrugalis Hübn., xxi, 105.
- Loxostege chortalis Gr., xxi, 107.
similalis Guen., xxi, 51, 56, 106, 107, 108; xxiii, 7, 10, 11, 89, 227, 231, 246-247.
sticticalis Linn., xxi, 51, 56, 106, 107, 109.
- Hellula undalis Fabr., xxi, 56, 106, 107, 111.

SESIIDÆ

- Sanninoidea exitiosa Say, xvii, 26 (*Sannina*); xxii, 99, 100, 104, 121.

LIMACODIDÆ

- Sibine stimulea Clem., Misc. Ess., 62 (*Empretia*); xxiii, 173, 230, 246.

PSYCHIDÆ

- Thyridopteryx ephemereformis Haw., xxii, 102, 103, 135.

GEOMETRIDÆ

(xxiii, 173, 246)

- Sabulodes transversata Drury, Misc. Ess., 128 (*Eutrapela*).
- Ania limbata Haw., xiii, 61, 79, 179 (*Ne-matocampa filamentaria*).
- Xanthotype crocataria Fabr., xiii, 61, 80, 179 (*Angerona*).
- Nacophora ypsilon Forbes, n. sp., xiv, 95 (*Biston*).
- Ectropis crepuscularia Tr., xiv, 72 (*Cymatophora*).
- Cleora pampinaria Guen., xiii, 61, 76, 179 (*Cymatophora*).
- Selidosema humarium Guen., xiii, 78 (*Cymatophora humaria*).
- Hæmatopsis grataria Fabr., xiv, 74 (*Hæmatopsis*).
- Eustroma diversilineata Hübn., xiv, 83 (*Petrophora*).
- Palaecrita vernata Peck, xvii, XIV (canker-worm); xxii, 138 (canker-worm).

BOMBYCIDÆ

- Bombyx mori Linn., xix, 18, 19.

LASIOCAMPIDÆ

- Malacosoma americana Harr., xxii, 102, 104, 134 (*Clisiocampa*).
- disstria Hübn., xiii, 10 (*Clisiocampa sylvatica*); xiv, 7 (*Clisiocampa sylvatica*); xvii, XIII (*Clisiocampa sylvatica*).

LIPARIDÆ

- Porthetria dispar Linn., xxiii, 87, 230, 246.
- Hemerocampa leucostigma S. & A., xiv, 117 (*Orgyia*); xxii, 102, 103, 136 (*Notolophus*).

NOTODONTIDÆ

- Schizura concinna S. & A., xvii, XIII (*Edemasia*).
- Symmerista albifrons S. & A., xviii, X (*Edema*).
- Nadata gibbosa S. & A., xix, 26.
- Datana angusii G. & R., xix, 22 (*angusi*).
- contracta Walk., xiv, 95.
ministra Drury, xvii, XIII; xix, 22 sp., xix, 35, 49, 50, 81.

NOCTUIDÆ

- (Misc. Ess., 64; xvi, IX, 84; xvii, XII, XV; xviii, 4, 6; xx, 108; xxi, 50, 51, 53, 54, 56, 100; xxiii, 4, 7, 10, 11, 16, 37, 39, 44, 231, 238)
- Plathypena scabra Fabr., xiv, 74 (*Hy-pena*).
- Epizeuxis æmula Hübn., xxiii, 86, 226, 246.

- Autographa brassicae Riley, xxi, 146, 152 (*Plusia*); xxiv, 54.
 falcifera var. simplex Guen., xxi, 146, 153 (*Plusia simplex*).
 Heliiothis, xiii, 40.
 armiger Hübn., xiv, 56 (*armigera*); Misc. Ess., 83; xviii, 4, 5, 6; xxi, 86; xxiii, 3, 8, 10, 11, 17; 67, 100, 226, 245-246.
 Pyrrhia exprimens Walk., xiv, 89, 90 (*angulata*).
 umbra Hübn., xiv, 88.
 Papaipema nitela Guen., xiii, 17, 61, 114, 179 (*Gortyna*); Misc. Ess., 76 (*Gortyna*); xviii, 4, 6 (*Gortyna*); xxiii, 2, 7, 10, 11, 17, 44, 85, 231, 232, 245.
 var. nebris Guen., xxiii, 46.
 Achatodes zae Harr., Misc. Ess., 76, 78; xxiii, 10, 77, 85, 232, 245.
 Leucania albilinea Hübn., xxiii, 83, 231, 244.
 pseudargyria Guen., xxiii, 171, 231, 244.
 unipuncta Haw., xiii, 9, 40, 61, 84, 179; xiv, 5; Misc. Ess., 9, 67, 78 (*Heliophila*); xv, 2 (*Heliophila*); xvi, IX (*Heliophila*); xviii, X, 4, 58 (*Heliophila*); xix, 76; xx, 106; xxi, 51, 146, 147; xxiii, 3, 4, 7, 10, 11, 17, 18, 47, 172, 227, 244.
 Nephelodes minians Guen., Misc. Ess., 75 (*violans*); xvi, 85 (*violans*); xxiii, 17, 29, 231, 243-244.
 Mamestra meditata Gr., xvi, 94.
 picta Harr., xxi, 146, 153; xxiii, 171, 227, 243.
 renigera Steph., xvi, 95; xxiii, 17, 35, 232, 243.
 trifolii Rott., xxi, 51, 146, 151.
 sp., xxi, 151.
 Euxoa messoria Harr., Misc. Ess., 69 (*Agrotis*); xxi, 56, 102 (*Carneades*); xxiii, 17, 32, 232, 242.
 ochrogaster Guen., xxiii, 17, 34, 232, 243.
 tessellata Harr., Misc. Ess., 70 (*Agrotis*); xxiii, 17, 34, 232, 243.
 Feltia annexa Tr., xxiii, 17, 32, 232, 242.
 gladiaria Morr., xvi, IX, 84, 85, 89 (*Agrotis morrisoniana*); xxiii, 17, 27, 28, 232, 242.
 herilis Gr., Misc. Ess., 68 (*Agrotis herilis*); xvi, 89 (*Agrotis herilis*); xxiii, 242.
 jaculifera Guen., xxiii, 17, 26, 232, 242.
 subgothica Haw., Misc. Ess., 67 (*Agrotis*); xvi, 85, 88, 90 (*Agrotis*); xxiii, 17, 26, 232, 242.
 vestigialis Rott., xvi, 90 (*Agrotis*).
 Chorizagrotis agrestis Gr., xxi, 51, 102.
 Noctua bicarnea Guen., xvi, 87 (*Agrotis*).
 clandestina Harr., Misc. Ess., 68 (*Agrotis*); xvi, 85 (*Agrotis*); xxiii, 17, 31, 232, 241.
 c-nigrum Linn., xiv, 93 (*Agrotis*); Misc. Ess., 66 (*Agrotis*); xvi, 86 (*Agrotis*); xxi, 102, 103, 105; xxiii, 17, 25, 232, 241.
 plecta Linn., xxi, 102, 104.
 Peridroma incivis Guen., xxi, 146, 151.
 margaritosa saucia Hübn., Misc. Ess., 72 (*Agrotis saucia*); xvi, 93 (*Agrotis saucia*); xxiii, 17, 23, 232, 241.
 Agrotis xiii, 40, 61, 84, 179; xxiii, 16.
 ypsilon Rott., Misc. Ess., 71; xvi, 85, 93; xxi, 102, 104; xxiii, 17, 21, 232, 240.
 Eutolype rolandi Gr., xvii, 81 (*Copipanolis vernalis*); xix, 42 (*Copipanolis vernalis*).
 Laphygma flavimaculata Harv., xxi, 51, 146, 150.
 frugiperda S. & A., xiv, 3, 6, 55; Misc. Ess., 74; xxi, 146, 149; xxiii, 10, 81, 226, 231, 240.
 Prodenia ornithogalli Guen., xxi, 146, 148; xxiii, 79, 230, 240.
 var. eudiopta Guen., xxiii, 80.
 Helotropha reniformis Gr., xxiii, 7, 10, 11.
 atra Gr., xxiii, 78, 232, 240.
 Hadenia, xxiii, 16, 34.
 arctica Boisd., Misc. Ess., 74; xvi, 97; xxiii, 17, 19, 21, 231, 239.
 devastatrix Brace, Misc. Ess., 73 (*devastator*); xvi, 96; xxiii, 17, 19, 231, 239.
 fractilinea Gr., xxiii, 77, 232, 239.
 lignicolor Guen., xxiii, 17, 31, 231, 239.
 misera Gr., xxiii, 77, 232, 239.
 stipata Morr., xxiii, 77, 232, 239.
 Acronycta oblinita S. & A., xiii, 61, 82, 179 (*Apatela*); xiv, 117 (*Apatela*); Misc. Ess., 63 (*Apatela*); xxiii, 170, 230, 238.
 AGARISTIDÆ
 Copidryas gloveri G. & R., xxi, 145, 154.
 ARCTIIDÆ
 (xix, 80; xxi, 50; xxiii, 70, 230; xxiv, 51)
 Halisidota caryæ Harr., xviii, X (*Halesidota*); xix, 26, (*Halesidota*).
 Apantesis, xxiii, 71.
 arge Drury, Misc. Ess., 58 (*Arctia*); xxiii, 75, 230, 238.
 phalerata Harr., xxiii, 76, 230, 238.
 phyllira Drury, xxiii, 76, 230, 238.

Isia isabella S. & A., xxi, 146, 156 (*Pyrrh-
arctia*); xxiii, 71, 72, 230, 237.
Diacrisia virginica Fabr., xiv, 116 (*Spilo-
soma*); Misc. Ess., 60 (*Spilosoma*);
xix, 80 (*Spilosoma*); xxi, 146, 156
(*Spilosoma*); xxiii, 72, 226, 230, 237.
Hyphantria textor Harr., xix, 35, 46, 47;
xxiv, 51.
Estigmene arcæa Drury, Misc. Ess., 59
(*Leucarctia*); xxi, 146, 156 (*Leucar-
tia*); xxiii, 72, 230, 237.
Haploa lecontei Boisd., xv, 2 (*Callimor-
pha*).
Eubaphe rosa French, xxiii, 71, 230, 237.

NOLIDÆ

Celama sorghiella Riley, xxiii, 169, 227,
237.

SATURNIIDÆ

Hyperchiria io Fabr., Misc. Ess., 62;
xxiii, 168, 230, 236.
Samia cecropia Linn., xvii, 84; xviii, X;
xix, 35, 52.

SPHINGIDÆ

Phlegethontius, xix, 71, 83, 109 (*Pro-
toparce*).
carolina Linn., xvii, XIII (*Proto-
parce*).
quinquemaculatus Haw., xix, 35, 48
(*Protoparce celeus*).
Ampelophaga myron Cram., xxiii, 167
(*Everyx*).
Thetra tersa Linn., xxiii, 167, 230,
236.
Deilephila lineata Fabr., xxi, 146, 155.
Hemaris, xix, 35, 37, 48, 50.

HESPERIIDÆ

Lerema accius S. & A., xxiii, 166, 235.

PAPILIONIDÆ

Papilio polyxenes Fabr., xix, 76 (*aste-
rias*).
Pieris rapæ Linn., xiii, 11; xiv, 6, 93;
Misc. Ess., 5, 128; xv, 1; xvi, IX;
xix, 22, 34, 35, 45, 46, 53, 77, 95, 104,
105, 106, 107, 108, 109; xxiv, 51.

NYMPHALIDÆ

Chlorippe sp., xix, 52 (*Apatura*).
Vanessa cardui Linn., xix, 57 (*Pyra-
meis*).
Euvanessa antiopa Linn., xix, 49, 76, 81
(*Vanessa*).
Polygonia interrogationis Fabr., xix, 105
(*Grapta*).

HYMENOPTERA

(xiii, 25, 33, 60, 61, 103; xiv, 24; xv, 60,
68; xvii, 5; xviii, 134; xix, 34, 46, 53,
76, 79; xxi, 101, 107, 111, 117, 158;
xxiii, 8, 22, 47, 254)

Tenthredinoidea

[xvii, 83, 84 (*Tenthredinidæ*); xix, 34,
52 (*Tenthredinidæ*)]
Pteronus trilineatus Nort., xiv, 116 (*Ne-
matus robinæ*).
ventralis Say, xiv, 117 (*Nematus*).
Pachynematus extensicornis Nort., xiv,
116 (*Nematus auropectus*).
Pristiphora bivittata Nort., xiv, 116 (*Ne-
matus bivittatus*).
Schizoneura capitalis Nort., n. sp., xiv,
87 (*Metallus rubi*).
Harpiphorus maculatus Nort., xiii, 61,
69, 71, 179 (*Emphytus*); xiv, 77 (*Em-
phytus*).
Dolerus arvensis Say, xiv, 100.
bicolor Beauv., xiv, 100.
sp., xix, 52.
Monostegia rosæ Harr., xiii, 61, 76 (*Se-
landria*).
Eriocampa cerasi Peck, xiv, 7, 117 (*Se-
landria*).

Ichneumonoidea

BRACONIDÆ

Chremylus rubiginosus Nees, xix, Ap-
pendix, 19, 41.
Clinocentrus americanus Weed, xv, 85
(*Aleides* sp.).
Bracon brevicornis Wesm., xix, Appen-
dix, 13, 19, 41.
gelechæ Ashm., xix, Appendix, 13, 19,
41, 42.
hebetor Say, xix, Appendix, 13, 19,
35, 41, 42.
spp., xiii, 92; xv, 64.
Microgaster sp., xv, 60.
Apanteles ornigis Weed, xv, 57.
Agathis exoratus Cress., xxi, 109.
Blacus fuscipes Gour., xvii, 5.
Aphidius, xiii, 103.
maidaphidis H. Garman, n. sp., xiv,
30, 31 (*Adialytus*).

ALYSIDÆ

Cœlinius meromyzæ Forbes, n. sp., xiii,
25, 26, 29; xv, 36.
niger Nees, xiii, 24.

ICHNEUMONIDÆ

(xiv, 20)

Cremastus forbesi Weed, xv, 85 (*Cre-
mastus* sp.).
Limneria elegans Weed, xv, 84 (*Limne-
ria* sp., in part).
eurycreontis Ashm., xxi, 109.
fugitiva Say, xv, 70.
teratis Weed, xv, 84 (*Limneria* sp., in
part).
tibiator Cress., xxi, 112.

- Ophion bifoveolatum* Brullé, xviii, 125; xxiv, 161.
 sp., xvii, 44, 52; xxi, 101.
Syrphoctonus pleuralis Cress., xx, Appendix, VII, XI.
Pimpla minuta Weed, xv, 85 (*Pimpla* sp.).
Collyria sp., xxi, 109 (*Pachymerus*).
 Cryptinæ, xiv, 94 (*Cryptides*).
Hemiteles sp., xiii, 183.
Ichneumon sp., xv, 69.

Chalcidoidea
 (xv, 57)

EURYTOMIDÆ

- Isosoma elymi* French, xiii, 32, 33; xiv, 37.
 grande Riley, xiii, 17, 30 (*tritici*); xiv, 6, 34, 35, 36, 44 (*tritici* and *grande*).
 hordei Harr., xiii, 31, 32, 33, 36; xiv, 36.
Eurytoma funebris Haw., Misc. Ess. 16; xv, 4.

ENCYRTIDÆ

- Eupelmus allynii* French, xiii, 31, 32, 33, 34; xiv, 37, 44, 50; Misc. Ess., 15.
 sp., xv, 73.

PTEROMALIDÆ

- Eutelus? scymnæ* Shimer, xx, Appendix, VIII.
Pteromalus bimaculatus N. de E., xvii, 5.
 pallipes Forbes, n. sp., xiv, 46, 49; Misc. Ess., 15.
Merisus destructor Say, xiv, 44, 49 (*Semiotellus*).
 fulvipes Forbes, n. sp., xiv, 47, 49 (*Pteromalus?*); Misc. Ess., 15.
 isosomatis Riley, xiii, 34 (*Stictonotis*).
Pachyneuron semiauratus Ashm., xx, VII, XI.

ELASMIDÆ

- Elasmus pullatus* Howard, xv, 50.

EULOPHIDÆ

- Euderus lividus* Ashm., xxiv, 128.
Astichus tischeriæ Howard MSS., xv, 50.
Aphelinus fuscipennis Howard, xx, 19, 20, 21.
Cocophagus lecanii Fitch, xiv, 105; xxiv, 114.
Tetrastichus sp., xv, 4.
 carinatus Forbes, n. sp., xiv, 48, 49.
 productus Riley, Misc. Ess., 15.
Sympiesis lithocolletidis Howard MSS., xv, 50, 57 (*Sympiezus*).
Eulophus minutus Howard MSS., xv, 57.

Proctotrypoidea

PLATYGASTERIDÆ

- Anopedias error* Fitch, xiv, 44 (*Platy-gaster*); Misc. Ess., 16 (*Platy-gaster*); xv, 4 (*Platy-gaster*).
Amitus aleurodinis Hald., xiv, 110 (*E-laptus aleurodis*).

PELECINIDÆ

- Pelecinus polyturator* Drury, xviii, 124, 134; xix, 79.

Formicoidea

- (xiv, 64, 70, 100; Misc. Ess., 5; xviii, 4, 52, 55, 60, 78, 107, 125; xxi, 80, 81, 82; xxiii, 8, 184, 233; xxiv, 8, 10, 11, 12, 13, 16, et seq.)

FORMICIDÆ

(xiii, 112)

- Formica fusca* Linn., xviii, 53, 66; xix, 81; xxiii, 235.
 gagates Latr., xviii, 96, 99, 100.
 schaufussi Mayr, xviii, 53, 66, 90; xix, 198; xxi, 161; xxiii, 161, 235.
Lasius, xiii, 52; xviii, 99, 104; xix, 53.
 flavus DeG., xiii, 52.
 interjectus Mayr, xviii, 53, 66, 88, 89, 90, 93, 96.
 mixtus, Nyl., xviii, 93, 99, 100.
 niger americanus Emory, xiii, 45, 48 (*flavus*); xiv, 24, 29, 70, 72 (*flavus*); Misc. Ess., 46 (*alienus*); xv, 6 (*alienus*); xvii, 65, 66, 67, 69 (*brunneus* var. *alienus*); xviii, 53, 62, 66, 82, 90, 93, 96, 99, 100, 107 (*niger*); 53, 62, 66, 71, 82, 88, 90, 107 (*niger* var. *alienus*); 90 (*flavus*); xxi, 161 (*niger* var. *alienus*); xxiii, 126, 159, 235 (*niger*); xxiv, 14, 19, 20, 21, 22, 24, 25, 26 (*niger* var. *alienus*).
Prenolepis imparis Say, xxiii, 158, 235.

MYRMICIDÆ

(xiii, 112; xviii, 8, 9)

- Atta fervens* Say, xxiii, 159, 235.
Pogonomyrmex barbatus Smith, xxiii, 7, 159, 235.
Myrmica scabrinodis lobicornis Nyl., xviii, 8, 11, 53, 66; xxiii, 158, 228, 235.
Monomorium minutum Mayr, xxiii, 157, 235.
 pharaonis Linn., Misc. Ess., 58 (*Solenopsis molesta*); xxiii, 157, 234-235.
Solenopsis debilis Mayr, xiii, 45, 61, 112 (*fugax*); Misc. Ess., 58 (*fugax*); xviii, 8, 9, 53, 66, 99, 100; xxiii, 228, 234.
Cremastogaster lineolata Say, xxiii, 126.

Vespoidea

TIPHIIDÆ

Tiphia, xxiv, 136 (*inornata*) 157, 158, 159, 160.

inornata Say, xviii, 124, 125.

SCOLIIDÆ

(xxiv, 158)

EUMENIDÆ

Odynerus foraminatus Sauss., xx, 103.
reniformis Latr., xx, 104.

Apoidea

(xxi, 138)

ANDRENIDÆ

Halictus, xxiii, 163.

lerouxii Lep., xxiii, 8, 156.

MEGACHILIDÆ

Osmia cognata Cress., xiii, 61, 70, 179 (*canadensis*).

BOMBIDÆ

Bombus, xix, 74, Appendix, 22.

APIDÆ

Apis mellifera Linn., xix, 19.

DIPTERA

(xiii, 60, 61, 62; Misc. Ess., 52, 53, 54, 128; xviii, 151; xix, 76, 77; xxi, 50, 51, 107, 111; xxiii, 9, 22, 47, 235)

TIPULIDÆ

(xvi, 78; xxiii, 9, 10, 161)

Tipula bicornis Forbes*, xvi, XI, 78.
costalis Say, xxiii, 161, 228, 235.

tephrocephala Loew, xvi, 79.

CECIDOMYIDÆ

(xiii, 62; xxiii, 174)

Dasyneura leguminicola Lintn., Misc. Ess., 15 (*Cecidomyia*); xv, 3 (*Cecidomyia*); xviii, XI (*Cecidomyia*); xxi, 86 (clover midge).

Mayetiola destructor Say, xiii, 9, 11, 13, 17, 22, 24, 36 (*Cecidomyia*); xiv, 3, 38 (*Cecidomyia*); Misc. Ess., 15, 17 (*Cecidomyia*); xv, 3, 21, 36, 38 (*Cecidomyia*); xvi, IX, X (*Cecidomyia*); xvii, X, XV, 54 (*Cecidomyia*).

Contarinia tritici Kirby, xiv, 6, 50 (*Cecidomyia*).

*Mr. Aldrich, in his catalogue, is in error in saying that this species has not yet been described. It was given a detailed description, in order "to distinguish it as a species," on page 80 of the article cited, Loew's MS. name for it being used.—C. A. H.

MYCETOPHILIDÆ

(xiii, 58)

Sciara sp., xiii, 57; Misc. Ess., 91; xviii, 4, 7, 8, 19; xxiii, 2, 5, 228, 235.

BIBIONIDÆ

Bibio sp., xix, 62, 69.

BOMBYLIIDÆ

Exoprosopa fascipennis Say, xxiv, 160.
Sparnopolius fulvus Wied., xxiv, 161.

DOLICHOPODIDÆ

(xvii, 83; xix, 52)

PHORIDÆ

(xix, 53)

SYRPHIDÆ

(xiii, 45, 103; xiv, 24, 32; xxiii, 9)

Syrphus sp., xx, Appendix, VI, VII, IX, X, XI, XII.

Mesogramma polita Say, xxiii, 162, 236 (*politum*).

ORTALIDIDÆ

Pyrgota undata Wied., xxiv, 162.

Chætopsis ænea Wied., xxiii, 164, 226, 236.

AGROMYZIDÆ

Ceratomyza dorsalis Loew, xxiii, 9, 165, 226, 236.

Leucopis simplex Loew, xx, Appendix, VI, VII, IX, XI, XII.

GEOMYZIDÆ

(xxiii, 164)

Diastata sp., Misc. Ess., 92; xxiii, 9, 164, 226, 236.

DROSOPHILIDÆ

Drosophila ampelophila Loew, xiv, 7 (grape pomace-fly), 83.

OSCINIDÆ

(xiii, 24)

Meromyza americana Fitch, xiii, 10, 11, 13; xiv, 6, 54; Misc. Ess., 16; xv, 4, 24, 25, 27, 31, 32, 35.

Chlorops spp., xiii, 22, 31.

ANTHOMYIDÆ

Phorbia betarum Lintn., xxi, 56, 59 (*Chortophila*).

brassicæ Bouché, xxi, 56, 59 (*Chortophila floccosa*).

fusciceps Zett., Misc. Ess., 91 (*Anthomyia zæa*); xv, 44 (*Anthomyia angustifrons*); xviii, 3, 4, 7, 8, 16 (*Anthomyia zæa*), Errata (*fuscipes*); xxiii, 2, 5, 9, 70, 228, 236 (*Pegomyia*).

Pegomyia vicina Lintn., xxi, 56, 59.

MUSCIDÆ

- Hæmatobia serrata Desv., xviii, XI
(horn-fly).
Calliphora sp., xix, 97, 129, 130; xx, 92
(blow-fly).

TACHINIDÆ

- (xiv, 65; Misc. Ess., 75; xxi, 101, 109,
129, 150)

Hypostena barbata Coq., xxi, 117.

Viviana n. sp., xxiv, 163.

Exorista infesta Will., n. sp., xiv, 65;

Misc. Ess., 75.

pyste Walk., xv, 70 (*Tachina phyci-*
tæ); xxi, 112 (*piste*).

Microphthalma disjuncta Wied., xvii, 44,
52 (*nigra*); xviii, 125 (*nigra*); xxiv,
160 (*Macrophthalma*).

INDEX

A

- abdominalis*, *Gnathodus*, xxi, 67, 76.
Acacia as food plant of *San Jose Scale*,
 xx, 1; xxi, 13.
Acanthocerus galeator, xxi, 96, 97.
Acari, xxiii, 14.
accius, *Lerema*, xxiii, 166.
Pamphila, xxiii, 166.
Acer dasycarpum, xiv, 103-111.
saccharinum, xxiv, 100, 103.
aceris, *Aleurodes*, xiv, 110.
aceroides, *Negundo*, xiv, 72.
Achatodes zææ, *Misc. Ess.*, 78; xxiii, 7,
 10, 85-86.
Achillæa lanulosa infested by *Beet Aphis*,
 xxi, 159.
achyrantes, *Myzus*, xviii, 56; xxi, 82;
 xxiii, 209.
Achyranthes, *Myzus achyrantes* on, xxi,
 82.
acræa, *Estigmene*, xxiii, 72.
Leucarctia, *Misc. Ess.*, 59; xxi, 146,
 156.
Acrididæ, xiv, 22; xxiii, 13, 17, 64, 137,
 212, 229.
 and *Locustidæ*, distinctions between,
 xxi, 128, 129-130.
Acridium alutaceum, xxi, 132.
americanum, xiii, 62; *Misc. Ess.*, 123.
 feeding on *Corn*, xiv, 23.
 on *Strawberry*, xiii, 87.
emarginatum, xxi, 132.
acris, *Ranunculus*, xiv, 20.
Acrobasis hammondi, xv, 59.
nebulosa, xv, 70.
Acronycta obliuata, xxiii, 170.
Acutalis calva, xxi, 80.
acutus, *Platymetopus*, xxi, 66, 72.
Adair, J. M., xix, 195.
Adams, C. C., xx, V; xxiii, 203.
Adialytus maidaphidis as parasite of
Corn Plant-louse, xiv, 30, 31.
 description of, xiv, 31, 32.
advena, *Silvanus*, *Misc. Ess.*, 94.
æmula, *Epizeuxis*, xxiii, 86, 226.
ænea, *Chætopsis*, xxiii, 164, 226.
Tischeria, xv, 46, 47.
æquale, *Spharagemon*, xxi, 132.
æqualis, *Sphenophorus*, xvi, 60.
affinis, *Lachnosterna*, xvii, 47, 49.
Agallia, xxi, 64.
 general description of adults of spe-
 cies of, xxi, 64, 65, 66.
novella, xxi, 65, 66, 69.
 nymphs of, xxi, 65-66.
punctata, xxi, 68.
4-punctata, xxi, 68, 69, 70; xxiii, 121,
 123.
sanguinolenta, xxi, 65, 66, 69-70.
uhleri, xxi, 65, 70.
Agallia *associatus*, xxi, 87, 88.
bractatus, xxi, 88.
Agathis exoratus as parasite of *Common*
Garden Web-worm, xxi, 109.
agile, *Orchelimum*, xxiii, 144.
Agonoderus comma, xviii, 13.
pallipes, xviii, 12-14; xxiii, 228.*
 description of, xviii, 14.
 injury to seed and roots of *Corn*.
 xviii, 8, 13; xxiii, 11, 178.
 remains of, in ants' nest, xxiv, 26.
agrestis, *Chorizagrotis*, xxi, 51, 102.
Agricultural Ant, *Texan*, xxiii, 159.
 Experiment Station of *Illinois*, coop-
 eration of, with *State Entomologist*
 in distributing chinch-bug contagion
 material, xix, 89.
Agriotes, xviii, 31.
mancus, *Misc. Ess.*, 96; xviii, 8, 36-
 39, 54.
 distinguished from *Melanotus*, *Misc.*
Ess., 18.
 (See also *Wheat Wireworm*.)
pubescens, xviii, 8, 39, 55.
Agrostis vulgaris, xvii, 62.
agrotipennella, *Anaphora*, xvi, 98.
Agrotis, xxi, 100; xxiii, 16.
bicarnea, xvi, 87.
clandestina, *Misc. Ess.*, 68; xvi, 85.
c-nigrum, xiv, 93; *Misc. Ess.*, 66; xvi,
 86.
gladiaria, xvi, 89.
herilis, *Misc. Ess.*, 68; xxiii, 26.
 larvæ, injury to *Sorghum* by, xiii, 40.
messoria, *Misc. Ess.*, 69.
morrisoniana, xvi, IX, 84, 85, 89-93.
 synonymical history of, xvi, 89.
 (See *Cutworm*, *Clay-backed*.)
saucia, *Misc. Ess.*, 72; xvi, 90, 93;
 xxiii, 23.

Agrotis—Continued.

- subgothica, Misc. Ess., 67; xvi, 85, 90.
tessellata, Misc. Ess., 70.
tricolor, xxiii, 26.
vestigialis, xvi, 90.
ypsilon, Misc. Ess., 71; xvi, 85, 93;
xxi, 102, 104; xxiii, 17, 21-23.
sp., xiii, 61, 84.

Agrypnus, xviii, 31.

Alaus, xviii, 31.

albifrons, Edema, xviii, X.

albilinea, Heliophila, xxiii, 83.

Leucania, xxiii, 83.

albionica, Phyllostreta, xxi, 114, 123;
xxiii, 109.albopicta, Empoa, xiii, 181; xiv, 117;
Misc. Ess., 10, 23; xv, 66; xxi, 77.

albostricella, Alebra, xxi, 78.

album, Chenopodium, xxi, 52, 60, 110.
124; xxiii, 198.Alder as food plant of San Jose Scale,
xx, 1; xxi, 13.of Smartweed Caterpillar, xxiii,
170.Alebra albostricella bred from Basswood
and, occurring on Pear and Cherry,
xxi, 78.

Aleides, xv, 85.

Aletia, xiv, 57.

Aleurodes aceris, description of, xiv, 110.
infesting Soft Maple, xiv, 110.note on life history of, and parasite
described, xiv, 110.

sp., xiii, 98 (Addenda).

aleurodis, Elaptus, xiv, 110.

Alfalfa, Agallia uhleri on, xxi, 70.

as food plant of Dissosteira longi-
pennis, xxiii, 213.

of Dusky Leaf-bug, xxiii, 199.

of Garden Web-worm, xxiii, 90.

of Grass-worm, xxiii, 82.

of Zebra-caterpillar, xxiii, 171.

Bristly Cutworm reared from, xviii, 35.

Corizus lateralis on, xxi, 97.

field, light trap for May-beetles in,
xxiv, 147.injured by meadow maggots, xvi, 79.
by Pale-striped Flea-beetle, xxi, 121;
xxiii, 108.

Thamnotettix belli on, xxi, 76.

Alice Thrush as enemy of wireworms,
xviii, 47.alienus, Lasius, Misc. Ess., 46; xv, 6;
xviii, 88; xxiv, 19, 21, 22, 24, 25, 26.

brunneus, xvii, 65.

niger, xviii, 53, 62, 66, 71, 82, 88, 90,
107; xxi, 161; xxiv, 14, 19, 20, 21,
22, 24, 25, 26.Allorhina, character of injury to Corn
by, xxiii, 7.

mutabilis, xxiii, 101.

Allorhina—Continued.

nitida, xiii, 62, 143, 149; xviii, 54, 144;
xxiii, 101; xxiv, 137.

calendar of, xiii, 179.

food habits of, xiii, 149.

larva of, distinguished from com-
mon white-grub, xiii, 150.

life history of, xiii, 150.

Allygus, xxi, 76.

irroratus, xxi, 76.

allynii, Eupelmus, xiii, 34; xiv, 36, 37,
44, 49, 50.

Isosoma, xiii, 31, 32, 33.

Almond as food plant of San Jose Scale,
xx, 1; xxi, 13.

crown-gall of, xxii, 110.

alnifolia, Clethra, Misc. Ess., 129.

Alnus serrulata as food plant of Smart-
weed Caterpillar, xxiii, 170.

alopeuroides, Erianthus, xxiii, 166.

Alsike as food plant of Garden Web-
worm, xxiii, 90.

of Zebra-caterpillar, xxiii, 171.

Alternaria as food of white crickets,
xxiii, 220, 221.alutacea, Schistocerca, xxi, 130, 132;
xxiii, 140.

alutaceum, Acridium, xxi, 132.

Alwood, W. B., xxiv, 47.

Amara, food of, xxiii, 177.

musculus, found on Corn, xxiii, 177.

Amaranth as food plant of Army-worm,
xxiii, 49.

Amarantus, xxi, 52.

as food plant of Agallia sanguinolen-
ta, xxi, 70.

of Carrot-beetle, xxiii, 98.

of Margined Blister-beetle, xxiii,
112.of Pale-striped Flea-beetle, xviii,
22.of Striped Blister-beetle, xxi,
140; xxiii, 112.of Three-spotted Flea-beetle, xxi,
115.

Beet Web-worm on, xxi, 110.

Common Garden Web-worm on, xxi,
108, 109.destruction of, as measure against
Garden Web-worm, xxiii, 91.

Garden Flea-hopper on, xxi, 88.

hybridus infested by Corn Root-aphis,
xviii, 61.

by Hadronema militaris, xxi, 93.

by Melon Aphis, xxi, 81.

by Myzus achyranthes, xxi, 83; xxiii,
209.

by Pigweed Bug, xxi, 85.

Large-eyed Purslane Bug on, xxi, 95.

retroflexus, eggs of False Chinch-bug
on blossoms of, xxi, 96.

- Ambrosia as food plant of Corn Root-aphis, xviii, 61; xxiv, 21.
 of Pale-striped Flea-beetle, xviii, 22.
 infested by Flea Negro-bug, xvi, 51.
 by San Jose Scale, xxi, 42.
 trifida as breeding plant of Tortrix pallorana, xiv, 74.
 infested by Aphis middletonii, xxi, 161.
- Amelanchier infested by San Jose Scale, xxi, 5.
- American, or White, Elm infested by Soft Maple Bark-louse, xiv, 104.
 injury to, by Elm Twig-girdler, xxiv, 118-121.
 (See also Elm, White.)
- Meromyza, xiii, 13, 16.
 Plum-borer, xvii, XI, 20-29. See under Plum-borer,
- americana, Clisiocampa, xxii, 134.
 Meromyza, xiii, 10, 13; xiv, 54; Misc. Ess., 16; xv, 4, 24, 25, 31, 35.
 Schistocerca, xxiii, 67, 140.
 Ulmus, xiv, 112; xxiv, 118.
- americanum, Acridium, xiii, 62, 87; xiv, 23; Misc. Ess., 123.
- americanus, Ceanothus, xiii, 107, 108, 110; xviii, 115; xxiii, 116.
 Elymus, xvii, 61.
 Melanotus, xviii, 32.
- Amorpha flamed with gasoline blast-lamp, xxiv, 52.
- ampelophila, Drosophila, xiv, 83.
- amylovorus, Bacillus, xxii, 124.
- Anabrus simplex, Misc. Ess., 118; xxiii, 148.
- Anaphora agrotipennella, xvi, 98.
 popeanella, xxiii, 44, 95, 97.
- Anaphothrips striata on Corn, xxiii, 136.
- Anarsia lineatella, xiii, 62, 141.
- Anasa tristis, xxi, 97.
 infection experiment with, xix, 72.
- Anatis 15-punctata injuring cherries, xvi, XI.
- Anchylopera fragariae, xiii, 87.
- ancylus, Aspidiotus, xx, 15, 16.
- Ancyrophorus planus feeding on Corn, xxiii, 180.
- Anemone as food plant of Common Gray Blister-beetle, xxi, 139.
- Angerona crocataria, xiii, 61, 80.
- Angoumois Grain-moth, Misc. Ess., 89.
 enemy of, xiii, 10.
- Anguillulid infesting hothouse plants and garden vegetables, xvii, XII.
- Anguillulidae, xix, 97, 125, 126, 127, 128, 129, 130.
- angulata, Pyrrhia, xiv, 89, 90.
 Chariclea umbra, xiv, 89.
- angusi, Datana, xix, 22.
- angustatus, Nysius, xiii, 62, 104; xxi, 94, 95; xxiii, 12, 117.
- angustifrons, Anthomyia, xv, 44.
- angustipennis, Ceanthus, xxiii, 217, 218, 220.
- Anisodactylus, food of, xxiii, 177.
 rusticus feeding on Corn, xxiii, 177.
- anisopliæ, Metarrhizius, xviii, 47.
- annexa, Feltia, xxiii, 17, 32.
- annulata, Cambala, xiii, 62, 138.
- annulatus, Iulus, xiii, 139.
- Anomala undulata, xxiii, 185, 227.
- Anomæa laticlavata infested with Sporotrichum globuliferum, xix, 81.
- Ant, Common House, injury to Corn by, xxiii, 8, 157.
 Leaf-cutting, xxiii, 159-161.
 Little Black, xxiii, 157-158.
 red, associated with termites, xix, 198.
 -rice, xxiii, 159.
 Small Yellow, Misc. Ess., 58; xiii, 112-113.
 description of, xiii, 113.
 injury to Corn by, xiii, 112; xviii, 8, 9, 10.
 to Strawberry by, xiii, 60, 61, 112.
 manner of feeding of, xiii, 113.
 nesting habits of, xiii, 112.
 Texan Agricultural, xxiii, 159.
 White, in Illinois, xix, 190-204. See under White Ant.
- Anthocoris pseudochinche, xiii, 105.
- Anthomyia angustifrons, xv, 44.
 zeæ, Misc. Ess., 91; xviii, 8, 16-19, Errata; xxiii, 70.
 (See under Seed-corn Maggot.)
 zeas, xviii, 17.
- Anthonomus musculus, xiii, 62, 114.
 quadrigibbus, Misc. Ess., 26.
- Anthraxnose, appearance of, in winter, xxii, 104.
 effect of, on fruit, xxii, 126.
 fungus producing, xxii, 126.
 general description of, xxii, 101, 126.
 means of exterminating, xxii, 127.
 of Raspberry and Blackberry, xxii, 99, 101, 126.
- antiopa, Vanessa, xix, 49, 76, 81.
- antiqua, Sphenophorus, xvi, 61.
- antiquus, Carpophilus, xxiii, 181.
- Ants, xviii, 53, 55, 59; xix, 53; xxii, 80, 81, 82; xxiii, 156-161, 211, 227, 233.
 and aphids, corn hills infested by, xxiv, 10, 12.
 as enemies of White-grubs, xviii, 125.
 attendant on Corn Leaf-aphis, xxiii, 126, 156.
 on Corn Root-aphis, xviii, 57, 62, 82-85; xxiii, 156, 158; xxiv, 8, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24-26.

Ants attendant on Corn Root-aphis—*Cont.*
 food of, xviii, 84.
 haunts, actions, and habits of, xviii, 83.
 life history of, xviii, 82.
 on Grass Root-lice, xviii, 86, 87, 88, 89, 90.
 on Sorghum Mealy Bug, xviii, 107.
 on various species of plant-lice, xiii, 45, 48, 52, 54; xiv, 24, 29; Misc. Ess., 46; xviii, 52, 53, 93, 99, 100, 101; xxi, 80.
 on Yellow Jumping Pear-lice, xiv, 100.
 attracted to Corn injured by Corn Delphax, xxiii, 121.
 destruction of Grass-worm by, xiv, 56, 64.
 of nests of, as measure against Corn Root-aphis, xviii, 78.
 eaten by harpalid, xxiv, 26.
 injury to Corn by, xxiii, 7, 8, 9, 156.
 to lawns by, and experiments for their destruction, Misc. Ess., 5.
 leaf-cutting, xxiii, 159, 230.
 nests of, infested by *Cremastochilus knochii*, xxiii, 184.

Apanteles ornigis as parasite of Apple Ornix, xv, 57.

Apantesis, xxiii, 71.
 arge, xxiii, 75, 230.
 injuries to Corn by, xxiii, 75.
 phalerata, xxiii, 76, 230.
 phyllira, xxiii, 76, 230.

Apateia oblongata, xiii, 61, 82; Misc. Ess., 63.
 infesting Willow, xiv, 117.

Apatura, xix, 52.
 larvæ artificially infected with *Sporotrichum globuliferum*, xvii, 83.

Aphelinus diaspidis, xxi, 44.
fuscipennis as parasite of San Jose Scale, xx, 19, 20.
 description of, xx, 20.
mytilaspidis, xxi, 44.

Aphides, xxii, 101, 104, 127-129. See also Plant-lice.

Aphididæ, xxi, 80-83, 159; xxiii, 206-211, 233.
 and Coccidæ, xviii, 55-108.
Empusa, xix, 58, 59.
Entomophthora, xix, 23, 81, 84, 110, 138, 198; xx, 52, 56, 57, 58, 61, 65, 67, 70, 71, 91.

Aphidius sp. as parasite of plant-lice, xiii, 49, 103.

Aphis, Apple. See Apple Aphis.
atriplicis, xxi, 82.
 Beet, xxi, 159-161. See Beet Aphis.
 Black Peach-, xxii, 100, 104, 107-110.
 See Peach-Aphis, Black.

Aphis—*Continued.*

Cherry, xxii, 129. See Cherry Aphis.
 chloris infesting Strawberry, xiii, 100.
cucumeris, xxi, 81.
gossypii, xxi, 81.
 Grain, xiii, 40.
 infection experiment with, xix, 51.
maidiradicis, xvii, 64-70; xviii, 10, 53, 57, 58-85, 194; xxii, 146; xxiii, 12, 69, 156. See also Corn Plant-lice and Corn Root-aphis.
maidis, xiii, 40, 41, 42, 45-50, 53; Misc. Ess., 117; xvi, XII; xviii, 70, 71, 73, 74; xxiii, 12, 123-133, 156.
 and Corn Root-aphis, distinguishing characters of, xviii, 82.
 contagion experiment with, xix, 85.
mali, xiv, 98; xvii, 68; xviii, 57; xxii, 127-129.
malifoliæ, xiv, 98.
 Melon, xxi, 81.
middletonii, xxi, 80, 159, 161.
prunicola, xxii, 107-110.
 sp. infesting Strawberry, xiii, 62, 98, 102, 143.
 on Sugar-beet, xxi, 82.
 Woolly, of Apple, xvii, XIII; xxii, 99, 100, 104, 106-107. See Woolly Aphis.

Aphodius granarius, xxiii, 228.
 description of, xviii, 15.
 injurious to seed of Corn in the earth, xviii, 8, 14; xxiii, 183.
 measure to protect seed-corn against, xviii, 15.
lutulentus, Misc. Ess., 98; xviii, 14.
 spp., xviii, 14.

Aphonus, xxiii, 228.
tridentatus, xxiii, 184.

apicalis, *Eustilbus*, xxiii, 180.

Apion sp. on Sugar-beet, xxi, 143, 145.

Apoecynum cannabinum as food plant of Garden Web-worm, xxiii, 90.

Apple, *Agallia novella* on, xxi, 69.
 and Pear, notes on insects injurious to, xiv, 95-102.

Aphis, xiii, 9; xxiii, 127, 206.
 similarity of aerial Corn Aphis to, xvii, 68.
 as breeding plant and food plant of Grass-worm, xiv, 58, 62; xxiii, 82.
 as food plant of Army-worm, xxiii, 49.
 of Beet Army-worm, xxi, 150.
 of Common Striped Cutworm, xxiii, 34.
 of Greasy Cutworm, xxi, 104; xxiii, 22.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 of May-beetles, xviii, 114; xxiv, 143, 144.

Apple as food plant—*Continued.*

- of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
- of Smear'd Dagger, xiii, 82.
- of Zebra-caterpillar, xxi, 153.
- blight, xxii, 99, 101, 124. See Pear-blight.
- blossoms eaten by Apple Leaf-roller, xiv, 97.
- buds and leaves eaten by Dark-sided Cutworm, xxiii, 33.
- by W-marked Cutworm, xxiii, 31.
- California wash used on, xxii, 55.
- Caterpillar, flacherie of, xix, 22.
- Cicadula 6-notata on, xxi, 77.
- crown-gall of, xxii, 111.
- Datana contracta collected from, xiv, 95.
- Empoasca flavescens and E. flavescens var. *birdii* on, xxi, 78, 79.
- obtusa bred on, xxi, 78.
- grafts injured by False Chinch-bug, xxi, 96.
- infested by Cottony Maple Scale, xxiv, 103.
- by Stalk-borer, xxiii, 46.
- by Tussock-moth, xxii, 102, 136.
- by Walnut Scale, xxii, 115.
- injured by Apple Leaf-skeletonizer, xiv, 7, 97; xv, 58, 59, 60, 61.
- by Cigar-Case-bearer, xxi, 146.
- by Codling-moth, Misc. Ess., 9, 26.
- by Empoasca mali, xxi, 78.
- by flea-beetles, xiv, 98.
- by Fruit Bark-beetle, xvii, 3, 4.
- by Grape-vine Colaspis, xxii, 145, 148; xxiii, 106.
- by Green Apple Leaf-hopper, Misc. Ess., 10.
- by Ithycerus noveboracensis, xv, 5.
- by kerosene emulsion, xxii, 48.
- by Leaf-crumpler, xv, 66, 67, 74; xxii, 130.
- by Lesser Apple Leaf-roller, or Leaf-folder, xiv, 7; Misc. Ess., 10; xv, 75, 76, 77, 78, 81, 84.
- by Mealy Flata, xxi, 84.
- by Oblique-banded Leaf-roller, xiii, 94.
- by Prionus grubs, xviii, 146.
- by Smartweed Caterpillar, xxiii, 170.
- by Tarnished Plant-bug, xiii, 116, 123.
- by Tent-caterpillar, xxii, 135.
- insects injurious to, xiii, 181-183.
- Leaf-aphis, alternate food plants of, xviii, 57; xxii, 128.
- character of injury by, xxii, 128.
- eggs of, xxii, 128.
- generations of, xxii, 128.

Apple Leaf-aphis—*Continued.*

- insecticide measures against, xxii, 129.
- on two species of, xxii, 127-129.
- Leaf-crumpler, recognition of, in winter, xxii, 101, 103.
- trees infested by, xxii, 101.
- (See also Leaf-crumpler.)
- Leaf-hopper, xv, 66, 67; xxiii, 121.
- See also Leaf-hopper, Green Apple.
- Green, xiii, 181-182; Misc. Ess., 10, 24; xxiii, 123.
- injury to Currant and Gooseberry by, xiv, 117.
- life history and food plants of, and measures against, Misc. Ess., 24.
- nomenclature of, Misc. Ess., 23, 24.
- Leaf-roller feeding on apple blossoms, xiv, 97.
- or Leaf-folder, Lesser, xiii, 183; xiv, 7; xv, 58, 75-85.
- appearance and injury of, characterized, xv, 75.
- description of, xv, 82-83.
- dimorphism of, xv, 77, 78, 79-81, 84.
- distribution of, xv, 83.
- habits of, xv, 76, 78.
- life history of, xv, 76, 77, 80, 83-84.
- literature and nomenclature of, xv, 75-82.
- methods of protection against, xiv, 98; Misc. Ess., 10; xv, 81, 85.
- parasites and hemipterous enemy of, xiii, 183; xv, 84.
- rank of, as an apple insect, xv, 75.
- serious injury by, Misc. Ess., 10.
- Leaf-skeletonizer, xiv, 7, 97; xv, 58-64.
- appearance of and injury by, xv, 58.
- description of, xv, 61.
- distribution of, xv, 62.
- injuries by, xv, 58, 59, 60, 61, 63.
- life history of, 60, 63.
- literature of, xv, 59-61.
- methods of protection against and remedies for, xiv, 98; xv, 64.
- parasites of, xv, 60, 64.
- Leaf-tyer, Green Apple- xv, 77, 78.
- See Apple Leaf-roller, Lesser.
- leaves eaten by Garden Web-worm, xxiii, 90.
- Gypsy-moth bred on, xxiii, 89.
- mined by Apple Ornix, xv, 52, 53, 57.

Apple leaves mined—*Continued.*
 by Apple Tischeria, xv, 46, 47, 49.
 Strawberry Crown-girdler on, xxiii, 193.
 Oregon wash for, xxii, 82-85, 86, 87.
 Ornix, xv, 51-57.
 appearance of larva of, and injury by, xv, 51.
 descriptions of, xv, 52, 55-56.
 of mine and habits of larva of, xv, 52, 54.
 distribution of, xv, 57.
 life history of, xv, 57.
 literature of, xv, 52-54.
 nomenclature of, xv, 55.
 parasites of, xv, 57.
 remedies for, xv, 57.
Phlepsius irroratus on, xxi, 76.
 Plant-louse or Apple Louse, xiv, 98.
 See Apple Leaf-aphis.
Platymetopius acutus on, xxi, 73.
 -scab, xxii, 99, 103.
 appearance of, in winter, xxii, 104.
 on leaf and fruit, xxii, 102, 137.
 causes of local prevalence of, xxii, 137.
 fungus causing, xxii, 102, 137.
 measure against, xxii, 138.
 nature of injury by, xxii, 137.
 -seedlings killed by Pale-striped Flea-beetle, xxiii, 108.
Tischeria, xv, 45-50.
 description of, xv, 48-49.
 distribution of, xv, 49.
 larva and mine of, characterized, xv, 45.
 life history of, xv, 49.
 literature of, 46-48.
 mine and food plants of, xv, 46, 47.
 nomenclature of, xv, 46-47.
 parasites of, xv, 50.
 remedies for, xv, 50.
 -trees flamed with gasoline blast-lamp to destroy San Jose Scale and other insects, xxiv, 46-48, 51, 52.
 infested by *Orthoperus scutellaris*, xxiii, 180.
 by San Jose Scale, xx, 1, 7, 9, 10, 11; xxi, 3, 4, 13.
 sprayed with crude petroleum, xxii, 92; effect, 93.
 with kerosene emulsion, and effects noted, xxii, 45-52.
 with kerosene emulsified with whale-oil soap, xxii, 96; effect, 97.
 with "Los Angeles Co. Wash No. 5", xxii, 96; effect, 97.
 with pure kerosene, xxii, 92; effect, 93.

Apple-trees—*Continued.*
 treatment of, with hydrocyanic acid gas, xxii, 30, 32, 36, 37, 38, 39, 40, 41, 42.
 young, on some common insects injuriously affecting the foliage of, xv, 45-85.
 twigs of, eggs of European Grain-louse laid on, xxiii, 206.
Typhlocyba rosæ on, xxi, 78.
 Apples burrowed by *Euphoria sepulchralis*, xxiii, 101.
 eaten by adult Northern Corn Root-worm, xviii, 158.
 by adult Banded Ips, xviii, 24, 25.
 injured by Flea-beetle, xviii, XI.
 by Striped Cricket, xxiii, 215.
 by Western Green June-beetle, xxiii, 102.
Plum-curculio bred from, Misc. Ess., 21-22.
 poison tests of sprayed, xxiv, 92-94.
 ripe, as food of Striped Cucumber-beetle, xxi, 126.
 spraying, for the Plum-curculio, xxiv, 78-99. See under Plum-curculio.
 Apricot, xxi, 3.
 as food plant of *Diabrotica tenella*, xxiii, 188.
 of adult Southern Corn Root-worm, xviii, 149.
 crown-gall of, xxii, 110.
 infested by Common Red Spider, xxi, 59.
 by San Jose Scale, xx, 1; xxi, 13, 19.
 by Walnut Scale, xxii, 115.
 subject to injury by Fruit Bark-beetle, xvii, 6.
 by Peach fruit-spot, xxii, 101.
 by Peach-tree Borer, xxii, 100, 122.
 Apricots injured by leaf-footed plant-bugs, xxiii, 197, 198.
 by Western Green June-beetle, xxiii, 102.
Arachnida, xiii, 62.
Aramigus fulleri, xvii, XIII.
arcanella, *Pseudanaphora*, xvi, X, 98; xxiii, 44, 95.
Aretia, xxiii, 71.
 arge, Misc. Ess., 58; xxiii, 75.
 nais phalerata, xxiii, 76.
 phalerata, xxiii, 76.
 phyllira, xxiii, 76.
 vittata phalerata, xxiii, 76.
 Aretian pupæ, infection experiment with, xix, 80.
 arctica, *Hadena*, Misc. Ess., 74; xvi, 97; xxiii, 17, 21.
 Arctiide, xxi, 156; xxiii, 70.

Arctium as food plant of Garden Web-worm, xxiii, 90.
 arcuata, Lachnosterna, xvii, 34, 36, 38, 47, 50; xviii, 139, 142; xxiv, 137.
 arenarius, Emblethis, xxi, 94.
 arge, Apantesis, xxiii, 75, 230.
 Arctia, Misc. Ess., 58; xxiii, 75.
 Arge Tiger-moth, Misc. Ess., 58.
 argus, Chelymormpha, xxiii, 192.
 Argus Tortoise-beetle, xxiii, 192, 231.
 Aristotle, xix, 19.
 armicollis, Magdalis, xiv, 112, 113.
 armiger, Heliothis, Misc. Ess., 83; xxiii, 10, 11, 17, 67.
 Armillaria mellea, xxii, 111.
 Army-Cutworm, or Western Army-Cutworm, xxi, 51, 102.
 Army-worm, xiii, 9, 61, 179; xiv, 5, Appendix, VIII; Misc. Ess., 5, 9, 78; xv, 2; xvi, IX; xviii, X, 4, 58; xxi, 146, 147-148; xxiii, 3, 4, 7, 10, 11, 17, 18, 47-51, 172, 227.
 as beet insect, xxi, 51.
 as strawberry insect, xiii, 84, 179.
 Beet, xxi, 51, 146, 150.
 description of, xxiii, 48.
 distribution of, xxiii, 50.
 Fall, Misc. Ess., 74; xxi, 149; xxiii, 81-83. See Grass-worm.
 flacherie of, xix, 76.
 Grass, xiv, 57. See Grass-worm.
 habits of, xxiii, 48-50.
 infection experiments with, xix, 76.
 injury to Sorghum by, xiii, 40.
 life history of, xxiii, 50-51.
 measures against, xiii, 68, 84; xxiii, 51.
 moth, description of, xxiii, 48.
 note on a new disease of, xx, 106-109.
 parasitism of, xix, 76; xxi, 148.
 Wheat-head, xxiii, 83-84, 231.
 arnauldi, Isaria, xx, 101.
 Arrowleaf as food plant of Striped Blister-beetle, xxi, 140.
 Arsenate of lead for Plum-curculio, xxiv, 82, 92.
 for Elm Twig-girdler, xxiv, 132.
 for Gypsy-moth, xxiii, 89.
 Arsenic for Chinch-bug, xvi, 41, 56.
 for wireworms, xviii, 49.
 on outer rows of Corn to destroy grasshoppers, xxiii, 14.
 white, and sal-soda for beet insects, xxi, 54.
 for apple Leaf-skeletonizer, xv, 61.
 for Codling-moth, xv, 7, 8, 14, 20.
 for White-grubs, xvii, 43.
 Arsenical poisons for Apple Bucculatrix, Misc. Ess., 27.

Arsenical poisons—Continued.

for Apple Leaf-skeletonizer and Lesser Apple Leaf-roller, xiv, 98; Misc. Ess., 10; xv, 60, 64, 81, 85.
 for beet insects, xxi, 53, 55, 64, 107, 138, 151.
 for blister-beetles, xxi, 138; xxiii, 113.
 for Canker-worm, Misc. Ess., 27; xxii, 139.
 for Codling-moth and curculios, Misc. Ess., 27-37, 40-41, 42-44; xv, 7-20.
 for Elm Twig-girdler, xxiv, 131.
 for garden web-worms, xxi, 107.
 for grasshoppers, Misc. Ess., 55.
 for June-beetles, or May-beetles, xviii, 132; xxiv, 167, 168.
 for leaf-beetles, xxi, 113.
 for leaf-eating beet insects, xxi, 53.
 for Plum and Peach Curculio, xvii, XV, 21-25.
 for Smeared Dagger, xiii, 84.
 for snout-beetles, xxi, 143.
 for Tent-caterpillar, Misc. Ess., 27; xxii, 135.
 for Tussock-moth, xxii, 137.
 how to use safely, xiii, 171.
 Arsenite of lime for Canker-worm and cost of application, xxii, 141.
 Artemisia tridentata, Thamnotettix belli on, xxi, 76.
 Arthropoda which prey upon locusts or their eggs, xv, 43.
 Arthur, J. C., Misc. Ess., 6; xv, 2; xix, 23.
 arundinacea, Cuina, xxiii, 146.
 arvensis, Dolerus, xiv, 100.
 Asaphes, xviii, 32.
 decoloratus, xviii, 9, 30, 45-47, 55.
 description of, xviii, 45-47.
 distribution of, xviii, 45.
 life history of, xviii, 45.
 sp., larva of, infested by parasitic fungus, xviii, 47.
 Ash, xxiv, 103.
 as food plant of May-beetles, xvii, 42; xviii, 114; xxi, 165; xxiv, 143.
 -colored Blister-beetle, xxi, 140. See also Margined Blister-beetle.
 Green, infested by Soft Maple Bark-louse, xiv, 104.
 infested by Euphoria inda, xxiii, 101.
 by Putnam Scale, xxii, 115.
 Ashes to lessen injury by Corn Root-aphis, xviii, 76, 77.
 to prevent injury by Colaspis brunnea, xiii, 171.
 Ashmead, Wm. H., xviii, 34; xxi, 75, 90; xxiii, 162, 163, 164, 169, 194, 195, 202; xxiv, 129.

- Asopia farinalis*, Misc. Ess., 86.
- Asparagus* as food plant of Cotton Cutworm, xxi, 148; xxiii, 80.
 of Ear-worm, xxiii, 67.
 of Grass-worm, xxiii, 82.
 of Greasy Cutworm, xxiii, 21.
 of Red-banded Leaf-roller, xxiii, 175.
 of Smartweed Caterpillar, xxiii, 170.
 of Smeared Dagger, xiii, 82.
 of Sulphur Leaf-roller, xxiii, 174.
 of Zebra-caterpillar, xxi, 153.
 injured by *Thyanta custator*, xxiii, 196.
 killed by *Euschistus variolarius*, xxiii, 196.
- Aspergillus*, xix, 108, 124, 125, 126, 127, 128, 129, 130.
- Aspidiotus ancylus*, xx, 15, 16.
 comparison of characters of five species of, xx, 16-17.
forbesi, xx, 15, 16; xxi, 20.
howardi, xx, 15, 16.
obscurus, xx, 15, 16.
 dead with fungous disease, xx, 22.
 infested with *Sphaerostilbe coccophila*, xxi, 31.
perniciosus, xx, 1-25; xxi, 1-47. See also San Jose Scale.
uvæ, xvii, XI; xxii, 120. See Grape Scale.
- assiciatus*, *Agalliaestes*, xxi, 87, 88.
- Aster* as food plant of blister-beetles, xxiii, 112.
 of Zebra-caterpillar, xxi, 153.
 flamed with gasoline blast-lamp to destroy beetles, xxiv, 44, 50.
 infested by *Aphis middletonii*, xxi, 161.
 injured by Margined Blister-beetle, xxi, 141.
 by Tarnished Plant-bug, xiii, 121.
- asterias*, *Papilio*, xix, 76.
- Astichus tischeriæ* as parasite of Apple *Tischeria*, xv, 50.
- Astragalus* injured by Common Gray Blister-beetle, xxi, 139.
- Atænius cognatus* infesting husks and roots of Corn, xxiii, 183.
stercorator infested with *Sporotrichum globuliferum*, xix, 140.
- aterrima*, *Paria*, xiii, 62, 86, 144, 150, 159, 161, 164, 165, 179; xiv, 81.
- Athous*, xviii, 32.
- Athysanus* sp. on Beet, xxi, 75.
- Atkins, Charles G., Misc. Ess., 39.
- Atkinson, Geo. F., xvi, 37, 38; xvii, 5.
- atlanis*, *Melanoplus*, xxi, 131, 133, 134; xxiii, 67, 135.
- Pezotettix*, xiv, 23; Misc. Ess., 120, 127.
- atra*, *Helotropha reniformis*, xxiii, 78, 232.
atrata, *Microtoma*, xxiii, 198, 233.
atripennis, *Diabrotica*, xxiii, 189, 231.
fossata, *Diabrotica*, xxiii, 256.
- Atriplex canescens* infested by *Dactylopius* spp., xxi, 161.
 infested by *Aphis atriplicis*, xxi, 82.
- atriplicis*, *Aphis*, xxi, 82.
- atriventris*, *Crepidodera*, xxi, 114, 117.
- Atta fervens*, xxiii, 159-161.
- Aulacaspis rosæ*, xxii, 120-121. See Rose Scale.
auropectus, *Nematus*, xiv, 116.
- australis*, *Ceratochloa*, xviii, 93.
- Automeris io*, xxiii, 168.
- autumnalis*, *Prodenia*, xiv, 57. For varieties see under *Prodenia*.
- avenæ*, *Nectarophora*, xxiii, 206.
Siphocoryne, xxiii, 206.
Siphonophora, xvii, X; xviii, 56.
- aviculare*, *Polygonum*, Misc. Ess., 129; xxi, 159; xxiii, 76.
- Ayers, Nettie, xix, 92.

B

- Bacillus amylovorus*, xxii, 124. See Pear-blight.
insectorum, xx, 57.
 normal to Chinch-bug, xix, 23.
 of disease of Larger Corn Root-worm, xvii, 72.
- rufans*, artificial cultures of, xviii, 150, 151.
 as parasite of Southern Corn Root-worm, xviii, 150.
 description of, xviii, 151.
- Bacterial decomposition of Chinch-bug, xx, 52, 54, 59, 62, 65, 73, 78.
 disease of cabbage-worms, xix, 46.
 of Chinch-bug, xvi, 45, 46-49.
 cultures of bacillus of, xvi, 47, 56.
 of corn roots, xviii, 52.
 of Larger Corn Root-worm, xvii, 71-73.
 cultures of, xvii, 72.
 of Southern Corn Root-worm, xviii, 150-151.
 diseases of insects, xix, 19.
 of White-grubs, xvii, 44, 45; xviii, 127.
- Badgers as enemies of White-grubs, xviii, 124.
- Bagworm, appearance of, at different seasons, xxii, 102, 103.
 egg-masses of, xxii, 102, 103, 135.
 measures against, xxii, 136.
 trees infested by, xxii, 102.
- Bail, C. A. T., xix, 20, 22.
- Baker, C. F., and Gillette, C. P., xxi, 70.
- Balaninus uniformis*, food of, xvi, 77.
- Balbani, E. G., xix, 19.
- balia*, *Lachnosterna*, xvii, 47, 51; xviii, 140, 143.

- Balm of Gilead, injury to, by *Crepidodera helxines*, xiv, 117.
- Balsam, injury to, by Tarnished Plant-bug, xiii, 121.
- balteata, *Cymatodera*, xxiv, 128, 129.
- Banchus fugitiva as parasite of Leaf-crumpler, xv, 70.
- Banded Ips, xviii, 23-28.
description of, xviii, 26-28.
feeding habits of larva of, xviii, 25.
food plants of adult, xviii, 23, 25.
larva of, injurious to seed-corn in the earth, xviii, 8, 21, 23.
life history of, xviii, 25.
- Banks, Nathan, xxiii, 224.
- Baptisia, eggs of meadow grasshoppers in stems of, xxiii, 146.
- barbata, *Hypostena*, xxi, 117.
- barbatus, *Pogonomyrmex*, xxiii, 7, 159.
- Bark-beetle. Fruit, xvii, 1-20. See Fruit Bark-beetle.
- Bark-lice, xxii, 100, 104, 112. See also under Bark-louse and under Scale insects.
- Bark-louse, Clover, with description of, xiv, 72.
Maple, or Soft Maple. See under Maple Bark-louse, Soft; Maple, Woolly Bark-louse of; and Cottony Maple Scale.
- Oyster-shell, xvii, XIV.
- Pine, injury to White Pine by, xvii, XIII. See also White Pine Chermes.
- Sorghum, description of, xiv, 71. See also Mealy Bug, Sorghum.
- Barley, xv, 30.
as breeding plant of Chinch-bug, xv, 93, 94.
as food plant of Army-worm, xxiii, 49.
- Clover or Timothy sown with, to protect against Chinch-bug, xv, 102.
- Corizus* spp. on, xxi, 97.
damaged by Wheat-head Army-worm, xxiii, 84.
- Gnathodius abdominalis* on, xxi, 76.
injury to, by Chinch-bug, xviii, VIII, IX.
by Corn Leaf-aphis, xxiii, 124.
by *Sphenophorus parvulus*, xvi, 63; xxiii, 56.
- liable to destruction by White-grubs, xviii, 114.
subject to injury by Grass-worm, xxiii, 82.
by wireworms, xviii, 30.
- Barred Owl, White-grubs eaten by, xviii, 123.
- Barriers and traps for chinch-bugs, xv, 100; xix, 5, 7-15; xxiv, 30-32, 34, 35, 36-40, 56.
- Barriers and traps for, etc.—*Continued.*
cost of, xxiv, 57.
to progress of Army-worm, xiii, 84; xxiii, 11.
of Bronze Cutworm, xxiii, 30.
of Clay-backed Cutworm, xxiii, 29.
of Grass-worm, or Fall Army-worm, xiv, 67.
of Great Plains Cricket, xxiii, 149.
of injurious species, xiii, 66, 67, 68.
of Wheat-head Army-worm, xxiii, 84.
- Bartley, Samuel, xv, 97; xvi, 53.
- Barto, Frank, xxiv, 14.
- Basket-worm, xxii, 135-136. See Bag-worm.
- bassiana, *Botrytis*, xiv, 7.
- Basswood, *Alebra albostriella* bred from, xxi, 78.
as food plant of May-beetles, xviii, 114.
of San Jose Scale, xx, 1; xxi, 13.
infested by *Phlepsius irroratus*, xxi, 76.
or injured by Soft Maple Bark-louse, or Cottony Maple Scale, xxiv, 103.
(See also Linden.)
- Batrachedra rileyi*, xxiii, 176, 227.
- Beach, Alice M., xxiii, 136.
- Beal, F. E. L., xxiv, 157.
- Bean as food plant of Army-worm, xxiii, 49.
of Black Blister-beetle, xxi, 141.
of Clay-backed Cutworm, xxiii, 29.
of Common Striped Cutworm, xxiii, 34.
of Dark-sided Cutworm, xxiii, 33.
of Dingy Cutworm, xxiii, 27.
of Garden Web-worm, xxiii, 90.
of Glassy Cutworm, xxiii, 20.
of Granulated Cutworm, xxiii, 32.
of Greasy Cutworm, xxiii, 21.
of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
of Oblique-banded Leaf-roller, xiii, 94.
of Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 107.
of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
of Seed-corn Maggot, xxiii, 70.
of Smartweed Caterpillar, xxiii, 170.

Bean as food plant—*Continued.*

- of Southern Corn Root-worm beetle, xviii, 149.
- of Striped Cucumber-beetle, xxi, 126.
- of Western Green Stink-bug, xxiii, 116.
- of W-marked Cutworm, xxiii, 31.
- of Yellow Bear, xxiii, 74.
- of Zebra-caterpillar, xxi, 153.
- crops destroyed by Ear-worm, xxiii, 67.
- Empoasca flavescens* var. *birdii* and *E. mali* on, xxi, 79.
- infested by Melon Aphis, xxi, 81.
- by Northern Corn Root-worm beetle, xviii, 158.
- injured by Common Gray Blister-beetle, xxi, 139.
- by Common Red Spider, xxi, 58.
- by cutworms, xvi, 84, 88, 91.
- by Garden Flea-hopper, xxi, 88.
- by Grape-vine Colaspis, or Colaspis Root-worm, xxi, 125; xxii, 145, 148.
- by Grass-worm, xiv, 63.
- by iulids, xiii, 140.
- by Margined Blister-beetle, xxi, 141.
- by Nuttall's Blister-beetle, xxi, 142.
- by Smaller Corn Stalk-borer xxiii, 95.
- Lima, destroyed by Western Green Stink-bug, xxi, 99.
- Bears as enemies of White-grubs, xviii, 124.
- Beech infested by *Euphoria inda*, xxiii, 101.
- by Putnam Scale, xxii, 115.
- subject to injury by Cottony Maple Scale, xxiv, 103.
- Bee-flies as parasites of Common Grub-Wasp, xxiv, 160.
- Bee-fly parasitic on White-grubs, xxiv, 161.
- Bee-plant infested by Western Cabbage Flea-beetle, xxi, 123.
- Bees, xxiii, 8.
- foul-brood of, xix, 19.
- parasitized by larvæ of blister-beetles, xxi, 138, 139.
- wild, xxiii, 156.
- Beet Aphis, xxi, 159-161.
- agricultural procedure for, xxi, 161.
- character of injury by, xxi, 160.
- description of winged and wingless forms of, xxi, 160.
- injuries by, xxi, 159, 160.
- mode of reproduction of, xxi, 160.
- plants infested by, xxi, 159.
- Army-worm, xxi, 51, 146, 150.

Beet—*Continued.*

- as food-plant of Army-worm, xxiii, 49.
- of blister-beetles, xxiii, 112.
- of Carrot-beetle, xxiii, 98.
- of Common Striped Cutworm, xxiii, 34.
- of Cotton Cutworm, xxiii, 80.
- of Dusky Leaf-bug, xxiii, 199.
- of False Chinch-bug, xiii, 104.
- of Grass-worm, xxiii, 82.
- of Greasy Cutworm, xxiii, 21.
- of Pale-striped Flea-beetle, xviii, 22.
- of Seed-corn Maggot, xxiii, 70.
- of Variegated Cutworm, xxiii, 24.
- Campylacantha olivacea* suspected of injury to, xxiii, 213.
- Carrion-beetle, xxi, 136-137.
- infested by Common Flower-bug, xxiii, 202.
- injured by anguillulid, xvii, XII.
- by *Colaspis brunnea*, xxii, 145, 148.
- insects, economic bibliography of, xxi, 170-175.
- technical list of species of, xxi, 166-169.
- Leaf-worm, Green, xxi, 146, 151.
- liable to destruction by White-grubs, xviii, 109.
- method of injury to, by Garden Web-worm, xxiii, 90.
- subject to attack by wireworms, xviii, 30.
- Sugar-. See Sugar-beet.
- Tortoise-beetle, European, xxi, 124-125.
- Web-worm, xxi, 109-111.
- Beetles, infection experiments with, xix, 35, 41, 95.
- infested by *Sporotrichum globuliferum*, xix, 29.
- infesting Aster, gasoline blast-lamp used against, xxiv, 44, 50.
- injuries by, to seed-corn in the earth, xviii, 8, 12.
- lampyrid and long-horn, dead and imbedded in *Sporotrichum globuliferum*, xix, 74, 75.
- number of species of, identified as corn insects, xxiii, 11.
- predaceous, as enemies of root web-worm, Misc. Ess., 13.
- of cutworms, xxi, 101.
- belli*, *Thamnotettix*, xxi, 76.
- Bellone, Ferry de la, xix, 19.
- Benzine for White Ant, xix, 199.
- Bernard, David L., xvii, 34.
- betae*, *Pemphigus*, xxi, 52, 80, 159.
- betarum*, *Chortophila*, xxi, 59.

- Bethune, C. J. S., xiii, 107.
 Beutenmüller, Wm., xxiii, 32, 74, 78, 167, 171, 172.
 Bibio larvæ, infection experiment with, xix, 69.
 bicarnea, *Agrotis*, xvi, 87.
 bicolor, *Dolerus*, xiv, 100.
 Rhynchites, xvi, 75.
 bicornis, *Tipula*, xvi, 78; xxiii, 161.
 Bidens as food plant of Common Negro-bug, xxi, 100.
 frondosa, injury to, by Soft Maple Bark-louse, xiv, 104.
 sp. infested by Negro-bug, xvi, 51.
 biennis, *Oenothera*, xiii, 169.
 bifeoveolatum, *Ophion*, xviii, 125; xxiv, 161.
 Bigelovia, *Nysius minutus* on, xxi, 95.
 Bill-bug, Clay-colored, xvi, 59, 69; xxii, 1, 9-17; xxiii, 229. See *Sphenophorus ochreus*.
 Corn, Misc. Ess., 109.
 Little Brown, or Blue-grass, xxii, 3-8. See *Sphenophorus parvulus*.
 Timothy, xxii, 22; xxiii, 229. See also Timothy bill-bugs.
 Bill-bugs, Corn, xvi, 58-74, 75; xxiii, 12, 52-57, 115, 192, 229.
 bibliography of, xxii, 23-26.
 distribution of, xxiii, 56.
 in Illinois, xxii, 1-26.
 injuries to Corn by, xxii, 1, 2, 3; xxiii, 7, 11, 17, 52, 55-56, 57.
 See also under various *Sphenophorus* species.
 to grass and grain by, xxiii, 56.
 life history of, xxii, 2; xxiii, 56-57.
 measures against, xxii, 1, 3; xxiii, 57.
 timothy, injury to Corn by, xxiv, 1-7. (See also under *Sphenophorus*.)
 bimaculatus, *Pteromalus*, xvii, 5.
 Tetranychus, xxi, 58; xxiii, 14, 224.
 binotata, *Hyperaspis*, xxiv, 115.
 bipartita, *Lachnosterna*, xviii, 139, 142.
 bipunctata, *Xabea*, xxiii, 219.
 Birch as food plant of San Jose Scale, xx, 1; xxi, 13.
 Eutettix seminuda on, xxi, 75.
 infested by *Euphoria inda*, xxiii, 101.
 leaves as food of May-beetles, xvii, 42, 43; xviii, 114.
 Bird Grasshopper, xiv, 23; xxiii, 67.
 grasshoppers, xxiii, 140-142.
 birdii, *Empoasca flavescens*, xxi, 79.
 Birds, xviii, 152, 161; xxiii, 158.
 agency of, in distributing San Jose Scale, xx, 3; xxi, 6.
 and the strawberry root-worms, xiii, 170.
 and the Tarnished Plant-bug, xiii, 130.
 Birds—Continued.
 as check upon multiplication of Leaf-crumpler, xv, 67.
 upon multiplication of plant-lice, xiii, 45, 46.
 as enemies of Army-worm; xxiii, 49, 51.
 of corn bill-bugs, xvi, 71.
 of cutworms, xxi, 101.
 of Strawberry False Worm, xiii, 75.
 of White-grubs, xviii, 123.
 of wireworms, xviii, 47.
 sod web-worms eaten by, xxiii, 39.
 Biston ypsilon collected from Apple, xiv, 95.
 description of, xiv, 95-97.
 Bisulphid of carbon for ants in lawns, Misc. Ess., 5.
 for root-lice, xxi, 53.
 for *Scelodonta nebulosus*, xiii, 172.
 for subterranean larvæ, xiii, 69; xviii, 50.
 for White Ant, xix, 199.
 for wireworms, xxi, 53.
 Bittersweet subject to injury by Cottony Maple Scale, xxiv, 103.
 bituberosa, *Silpha*, xxi, 137.
 bivittatus, *Melanoplus*, xxi, 130; xxiii, 67, 136.
 Nematus, xiv, 116.
 Pezotettix, Misc. Ess., 127.
 bivulnerus, *Chilocorus*, xx, 19, 20; xxiv, 115.
 Black Ant, Little, xxiii, 157-158.
 Blister-beetle, Misc. Ess., 19, 107; xv, 4; xxi, 141; xxiii, 112, 113, 231. See also under Blister-beetles.
 Cherry- Wild, *Eutettix seminuda* on, xxi, 75.
 Fruit-weevil as a Strawberry insect, xiii, 62, 177.
 -headed Grass-maggot, xiii, 57-59; Misc. Ess., 91; xxiii, 228.
 classification and description of, xiii, 58.
 described; also egg, pupa, and adult female, xviii, 20-21.
 food habits of, xviii, 19.
 injuries to seed-corn by, xiii, 57, 58; xviii, 7, 8, 19.
 measure against, xiii, 59.
 mining flower-bulbs, xviii, 19.
 Black-knot, xxii, 103.
 appearance and effect of, xxii, 101, 104, 125.
 destructiveness of, xxii, 126.
 fungus parasite causing, xxii, 125.
 treatment for, xxii, 126.
 trees subject to, xxii, 101, 126.

- Black Locust as food plant of May-beetles, xviii, 114.
defoliated by Ash-colored Blister-beetle, xxi, 140.
infested by *Nematus robiniae*, xiv, 116.
by Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 104; xxiv, 103.
injured by Common Gray Blister-beetle, xxi, 139.
- Mustard infested by Corn Root-aphis, xvii, 67.
- Nightshade, *Epitrix brevis* on, xxi, 118.
- Peach-Aphis, xxii, 100, 103, 104, 107-110. See Peach-Aphis, Black.
-throated Bunting, xiii, 130.
as enemy of corn bill-bugs, xvi, 71, 72.
- Vine-weevil, xxi, 144.
- Walnut as food plant of May-beetles, xviii, 114.
Empoasca mali on, xxi, 78.
subject to injury by Cottony Maple Scale, xxiv, 103.
-winged, or Black-winged Carolina, Grasshopper, xxi, 130, 131; xxiii, 213.
- Blackberries eaten into by Banded Ips, xviii, 24.
injured by Western Green June-beetle, xxiii, 102.
- Blackberry, xx, 15.
Acanthocerus galeator on, xxi, 97.
and Raspberry, on new insect enemies of, xiv, 87-92.
anthracnose of, xxii, 99, 101, 126. See also under Anthracnose.
Apple *Tischeria* bred from, xv, 46.
as breeding plant of *Lophoderus velutinanus*, xiv, 88.
as food plant of Goldsmith-beetle, xiii, 148.
of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
of Rose-chafer, xxiii, 184.
of San Jose Scale, xx, 1; xxi, 13, 22.
canes infested by Stalk-borer, xxiii, 46.
eggs of meadow grasshoppers in stems of, xxiii, 146.
infested by Flea Negro-bug, xiii, 110.
by *Oncometopia undata*, xxi, 71.
by Rose, or Raspberry, Scale, xxii, 120.
by stink-bugs, xxi, 97.
by Tarnished Plant-bug, xiii, 115, 127.
- Blackberry—*Continued.*
injured by Blackberry Leaf-miner, xiv, 87.
by Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 108.
by *Pyrrhia umbra*, xiv, 88, 90.
by Strawberry Flower-worm, xiii, 111.
by tree-cricket, xxiii, 216.
Leaf-miner, description of, xiv, 87-88.
Mealy Flata feeding on, xxi, 84.
Strawberry Leaf-roller bred from, xiii, 92.
subject to infection by crown-gall, xxii, 100.
- Blackbird, Crow-, White-grubs eaten by, xviii, 123.
- Blackbirds and crows as enemies of White-grubs and May-beetles, xxiv, 156.
- Blaeus fuscipes* as parasite of Fruit Bark-beetle, xvii, 5.
- Blair, J. C., xx, V, 12; xxiv, 113.
- blanda*, *Systema*, xiii, 62, 86; Misc. Ess., 105; xvi, XI; xxi, 120; xxiii, 107.
teniata, xviii, 23.
- Blianiulus guttulatus*, xiii, 139.
- Blissus leucopterus*, Misc. Ess., 112; xv, 89-103; xvi, 1-57; xvii, 81; xix, 16-189; xxiii, 57-64.
infested by *Sporotrichum globuliferum*, xvii, 81.
(See Chinch-bug.)
- Blister-beetle, Ash-colored, xxi, 140.
See also Blister-beetle, Margined.
- Black, Misc. Ess., 107; xxiii, 112, 113, 231.
food plants of, Misc. Ess., 19; xv, 4.
range and injuries of, xxi, 141.
Common Gray, xxi, 139.
- Margined, Misc. Ess., 51; xxiii, 112, 113, 231.
food plants of, Misc. Ess., 19; xv, 4; xxi, 141.
(See also Blister-beetle, Ash-colored.)
- Nuttall's, xxi, 142.
- Spotted, xxi, 139.
- Striped, Misc. Ess., 51, 107; xxiii, 112, 113, 231.
food plants of, Misc. Ess., 19; xv, 4; xxi, 140; xxiii, 112.
- Blister-beetles, xxi, 137-142; xxiii, 111-113, 227, 231.
as beet insects, xxi, 50, 52, 55.
distinction of species of, xxi, 138.
general description of, and of injuries by, xxi, 138.
grasshoppers' eggs as food of larvæ of, Misc. Ess., 19, 51, 52; xv, 4, 40, 41, 44; xxi, 138.

Blister-beetles—*Continued.*

killed by gasoline blast-lamp, xxiv, 54.
 larvæ of, as parasites of bees, xxi, 138.
 measures against, xxi, 55, 138.
 oviposition and hibernation of, xxi, 138.
 species of, which feed on Corn, xxiii, 112.
 Blow-fly maggots, xix, 97.
 Bluebird, xiii, 131.
 as enemy of Strawberry False Worm, xiii, 75.
 June-beetles eaten by, xviii, 123.
 Blue-grass, xvii, 62.
 as breeding plant of *Sphenophorus parvulus*, xxii, 3.
 as food plant of *Agallia novella* and of *A. sanguinolenta*, xxi, 69, 70.
 of Army-worm, xxiii, 49.
 of Black-headed Grass-maggot, xiii, 57.
 of larvæ of bill-bugs, xxii, 2, 3; 18.
 of May-beetles, xvii, 42, 43; xxiv, 145.
 eggs of *Deltocephalus inimicus* in blades of, xxi, 74.
 infested by *Chaetocnema pulicaria*, xxi, 118.
 by *Cicada 6-notata*, xxi, 77.
 by Common Negro-bug, xxi, 100.
 by Corn Flea-beetle, xxiii, 110.
 by *Forda occidentalis*, xviii, 96.
 by *Geoica squamosa*, xviii, 99, 100.
 by *Gnathodus impictus*, xxi, 76.
 by Sweet-Potato Flea-beetle, xxiii, 111.
 by *Trama erigeronensis*, xviii, 93.
 injury to, by *Bryobia pratensis*, xiv, 73.
 by Little Negro-bug, xxiii, 116.
 by meadow-maggots, xvi, 77, 83.
 by Wheat Bulb-worm, xiii, 22.
 killed by sod web-worms, xxiii, 39, 40.
 lawns injured by *Sphenophorus parvulus*, xxiv, 7.
 or Little Brown, Bill-bug, xxii, 3-8.
 See *Sphenophorus parvulus*.
Schizoneura panicola infesting, or hibernating on, xiv, 28; xviii, 86, 88, 89.
 sod, Corn on, not killed as on other sods, xxiii, 77.
 Strawberry Crown-girdler on, xxiii, 193.
 Striped Cricket abundant in, xxiii, 215.
 Blue Jay, White-grubs eaten by, xviii, 123.

Boardman, E. R., xiii, 12, 57; xiv, 24, 93, 117; Misc. Ess., 6; xv, 1; xviii, 19, 157, 159.
 Boisduval, J. A., xiii, 139.
Bolitochara sp. infesting fallen ears of Corn, xxiii, 180.
 Boll-worm, Cotton, xxiii, 11, 67. See under Corn-worm, and under Ear-worm.
 Bolter, A., xxiv, 49.
 Boltonia, eggs of meadow grasshoppers in stems of, xxiii, 146.
 Bombyliidæ as parasites of Common Grub-Wasp, xxiv, 160.
 Boneset, *Agallia 4-punctata* found on, xxi, 68.
 Boopedon nubilum, xxiii, 212, 229.
 Borage as food plant of Strawberry Crown-girdler, xxiii, 193.
 Bordeaux mixture as medium for conveying arsenical insecticides, xxi, 53, 113.
 as protection against crown-gall, xxii, 111.
 for anthracnose, xxii, 127.
 to check black-knot, xxii, 126.
 Borer, Peach-tree, xxii, 99, 100, 104, 121-124. See under Peach-tree Borer.
 Sugar-cane, xxiii, 10.
 Borers, xxii, 103.
 peach, xx, 14.
 Boston Smilax injured by Common Red Spider, xxi, 58.
Botis harveyana, xxi, 105.
 posticata, xxi, 108.
 botrana, Eudemis, Misc. Ess., 128.
 Botrytis, xix, 23.
 as parasite of Chinch-bug, xvi, 46, 48, 49.
 of *Parandra brunnea*, xvi, 49.
 bassiana, xiv, 7.
 form of *Sporotrichum globuliferum*, xix, 95.
 tenella, xix, 27, 60, 61, 62, 64, 66, 68, 69, 70, 71, 72.
 artificial cultivation of, xviii, 133; xix, 81.
 experiments with, xix, 64, 79.
 infesting European White-grubs, xviii, 127, 133.
 outline of experiments with, xix, 66.
 spores of, used to infect *Lachnosteria* larvæ, xviii, 134.
 to infect *Polymæchus brevipes* and *Serica vespertina*, xviii, 133.
 sp., culture experiments with, xvi, 56.
 Box-elder as food plant of Common Striped Cutworm, xxiii, 34.

Box-elder as food plant—*Continued.*

of May-beetles, xvii, 42; xviii, 114; xxiv, 143.

buds and leaves eaten by W-marked Cutworm, xxiii, 31.

Cymatophora crepuscularia collected from, xiv, 72.

flamed with gasoline blast-lamp, xxiv, 52.

infested by Sweet-Potato Flea-beetle, xxiii, 111.

or injured by Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 103, 109; xxiv, 102, 103, 116.

Mealy Flata bred from, xxi, 84.

boyeri, Pemphigus, xiii, 40.

Brachytarsus variegatus, xxiii, 194.

Bracon, xiii, 92.

sp. as parasite of Apple Leaf-skeletonizer, xv, 64.

Braconidae, xxi, 117.

parasitic on Greasy Cutworm, xvi, 93.

bractatus, Agallistates, xxi, 88.

Capsus, xxi, 88.

Brassica nigra infested by Corn Root-aphis, xviii, 61.

brassicæ, Plusia, xxi, 146, 152.

Brassy Flea-beetle, Misc. Ess., 106.

riddling leaves of Corn, xiv, 22.

(See also Corn Flea-beetle.)

Braucher, R. W., xx, V, 15; xxi, 9, 29; xxii, 28, 34, 39; xxiv, 48, 111, 112.

brevicornis, Tychea, xviii, 53, 57, 97, 101.

brevipenne, Xiphidium, xxiii, 147.

brevipes, Polymæchus, xviii, 133; xix, 70.

brevis, Epitrix, xxi, 114, 118.

Bridgewater, John C., xxii, 14.

Bristly Cutworm, xxiii, 35, 232.

life history and description of, xvi, 95-96.

Broad-striped Flea-beetle, Misc. Ess., 105. See also Yellow-striped and Pale-striped Flea-beetle.

Broad-winged Hawk, June-beetles eaten by, xviii, 123.

Bronzed, or Bronze, Cutworm, Misc. Ess., 75; xvi, 85; xxiii, 29-31, 231.

Broom-corn, xiii, 40, 55.

and Sorghum, notes on insects affecting, xiii, 39-56; xiv, 24.

literature on insects affecting, cited, xiii, 40.

and the Northern Corn Root-worm, xviii, 156.

as food plant of aerial Corn-louse, xvii, 68; xviii, 60, 69.

of Chinch-bug, xv, 94.

infested by Common Flower-bug, xxiii, 202.

by Euschistus variolarius, xxiii, 196.

Broom-corn—*Continued.*

injured by Chatocnema denticulata, xxi, 118.

by Common Grass-worm, or Fall Army-worm, xxi, 149; xxiii, 81, 82.

by Corn Flea-beetle, xxi, 118; xxiii, 110.

by Corn Leaf-aphis, xxiii, 124, 206.

by Southern Corn-Leaf-beetle, xxiii, 103.

by Toothed Flea-beetle, xxiii, 110.

by Yellow Sorghum Plant-louse, xxiii, 210.

injury to roots of, resembling that of Corn Root-worm, Misc. Ess., 20.

Oncometopia undata on, xxiii, 204.

smut eaten by Phalacrus politus, xxiii, 180.

Stalk-maggot in roots of, xxiii, 164.

Brown Strawberry Spanworm, xiii, 61, 76-78, 179.

Thrasher, xxiv, 149.

Thrush as enemy of corn bill-bugs, xvi, 71.

of wireworms, xviii, 47.

June-beetles eaten by, xviii, 123, 124.

Brugmansia injured by Common Red Spider, xxi, 58.

Brunella vulgaris infested by Smart-weed Flea-beetle, xxi, 119.

Bruner, Lawrence, xvi, 50; xix, "Additions and Corrections"; xxii, 51, 57, 67, 70, 75, 76, 78, 82, 85, 94, 96, 97, 110, 117, 123, 131, 136, 145, 151, 155, 165; xxii, 6; xxiii, 90, 143.

Brunn, A. E., xv, 47, 48, 49, 50, 53, 54, 55, 57.

brunnea, Colaspis, xiii, 62, 86, 144, 150; xxi, 115, 125; xxii, 145; xxiii, 104.

costipennis, Colaspis, xiii, 157.

Glyptina, xxi, 114, 122; xxiii, 191.

Parandra, xvi, 49; xvii, 79, 81.

brunneus, Luperus, xxiii, 187.

var. alienus, Lasius, xvii, 65.

Bryobia pallida, description of, xiv, 74.

pratensis, description of, xiv, 73-74.

injury by, to Blue-grass and Clover, xiv, 73.

Bucculatrix, xv, 52.

Buckeye as food plant of Dusky Leaf-bug, xxiii, 199.

Pigweed Bug feeding on, xxi, 85.

Buckley, F. E., xiv, 55.

Buckman, Benjamin, Misc. Ess., 21; xvii, 26; xviii, 19, 24.

Buckton, G. B., xiii, 42, 100; xviii, 56.

Buckwheat, Acutalis calva on, xxi, 80.

as food plant of Common Striped Cutworm, xxiii, 34.

of Dark-sided Cutworm, xxiii, 33.

- Buckwheat as food plant—*Continued*.
 of Dusky Leaf-bug, xxiii, 199.
 of Smartweed Caterpillar, xxiii, 170.
 of Striped Blister-beetle, xxi, 140.
 of W-marked Cutworm, xxiii, 31.
 of Zebra-caterpillar, xxi, 153.
Corizus lateralis on, xxi, 97.
Crepidodera atriventris on, xxi, 117.
Deltocephalus inimicus on, xxi, 74.
 destroyed by Grass-worm, xiv, 62; xxiii, 82.
 infested by moth of Common Garden Web-worm, xxi, 108.
 injured by Grape-vine Colaspis, xxii, 145, 148.
 by Sweet-Potato Flea-beetle, xxiii, 111.
 sown in outer rows of Corn to protect against Chinch-bug invasion, xv, 99.
 Wild, attempt to force Chinch-bug to eat, xvi, 50, 56.
 Bud-worm, Tobacco, xxiii, 67.
 Buffalo-berry flamed with gasoline blast-lamp to destroy San Jose Scale, xxiv, 46.
 Buffalo-grass as food plant of *Dissosteira longipennis*, xxiii, 213.
 of Garden Web-worm, xxiii, 90.
 Bugs, French, xxi, 115, 127. See under French Bugs.
 Buhach for Chinch-bug, xvi, 42.
 Bulb-worm, Wheat, xiii, 10, 11, 13-29; xiv, 54. See Wheat Bulb-worm.
 bullatus, *Geocoris*, xxi, 94.
 Bulrushes, eggs of *Diedrocephala mollipes* in, xxi, 72.
 Bumblebee infested with *Sporotrichum*, xix, 74.
 Bumblebees, xxiii, 101.
 Bunting, Black-throated, xiii, 131.
 as enemy of corn bill-bugs, xvi, 71, 72.
 Buprestidæ, xviii, 31.
 Burdock as food plant of Garden Web-worm, xxiii, 90.
 of Salt-marsh Caterpillar, xxiii, 74.
 of Stalk-borer, xxiii, 46.
 of Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 of Zebra-caterpillar, xxi, 153.
 infested by Melon Aphis, xxi, 81.
 Burning egg-masses of Gypsy-moth, xxiii, 89.
 of Soft Maple Bark-louse, xiv, 109.
 fallen leaves for Apple Leaf-skeletonizer, xv, 64.
- Burning fallen leaves—*Continued*.
 for Apple Ornix, xv, 57.
 for Apple Tischeria, xv, 50.
 grass as measure against Black-headed Grass-maggot, xiii, 59.
 infested fodder and waste as measure against Fodder Worm, xxiii, 87.
 out chinch-bugs as they emerge from winter quarters, xvi, 53, 57.
 over grass-lands to destroy grasshoppers, xxiii, 14.
 strawberry fields, xiii, 93, 95, 96, 104.
 rubbish as measure against False Chinch-bug, xxi, 96.
 against Tarnished Plant-bug, xxi, 91.
 to prevent insect injury to Beet, xxi, 53, 86.
 straw and stubble for Wheat Straw-worm, xiii, 31, 33, 37.
 stubble as measure against Hessian Fly, xv, 31.
 against Wheat Bulb-worm, xv, 31.
 vegetation as measure against *Diedrocephala mollipes*, xxi, 72.
 young grasshoppers in artificial shelters, Misc. Ess., 54.
 Burrill, T. J., xiv, 116; xvi, 45; xvii, 75, 76, 77, 80; xviii, 52, 136, 151, 158; xix, 82; xx, 40; xxi, 5; xxiv, 113.
 Burrowing Web-worm, xvi, X, 98-101.
 dates and places of collection of, xvi, 100.
 description of, and of imago, xvi, 99-100.
 web-worms, xxiii, 44, 95-98, 226.
 Burrows, W. B., xxiv, 156.
 bursa-pastoris, *Capsella*, xviii, 96.
 Butler, C. W., xiii, 138, 161, 165.
 Butternut as food plant of May-beetles, xviii, 114, 117, 129.
 -trees, *Lachnosterna* beetles collected from, xxiv, 141.
 Bythoscopus siccifolius, xxi, 69.

C

- Cabbage, *Agallia 4-punctata* on, xxi, 68.
 and other cruciferous plants as food of Harlequin Cabbage-bug, xxiii, 196.
 as food plant of *Agallia sanguinolenta*, xxi, 70.
 of Army-worm, xxiii, 49.
 of Black Blister-beetle, xxi, 141.
 of Bristly Cutworm, xxiii, 35.
 of Clay-backed Cutworm, xxiii, 29.
 of Common Striped Cutworm, xxiii, 34.

Cabbage as food plant—*Continued.*

- of Cotton Cutworm, xxi, 148; xxiii, 80.
- of Dark-sided Cutworm, xxiii, 33.
- of Dingy Cutworm, xxiii, 27.
- of Dusky Leaf-bug, xxiii, 199.
- of Garden Mamestra, xxi, 151.
- of Garden Web-worm, xxiii, 90.
- of Glassy Cutworm, xxiii, 20.
- of Granulated Cutworm, xxiii, 32.
- of Greasy Cutworm, xxiii, 21.
- of Hedgehog Caterpillar, xxiii, 74.
- of Salt-marsh Caterpillar, xxiii, 74.
- of Seed-corn Maggot, xxiii, 70.
- of Southern Corn Root-worm beetle, xviii, 148.
- of Striped Blister-beetle, xxi, 140.
- of Variegated Cutworm, xxiii, 24.
- of W-marked Cutworm, xxiii, 31.
- of Yellow Bear, xxiii, 74.
- of Yellow-headed Cutworm, xxiii, 21.
- of Zebra-caterpillar, xxi, 153; xxiii, 171.
- bug, Harlequin, gasoline blast-lamp used against, xxiv, 43, 48-49.
- injury to Corn by, xxiii, 196.
- destroyed by Cabbage Flea-beetle, xxi, 123.
 - by Imported Garden Web-worm, xxi, 106, 111, 112.
 - by Western Cabbage Flea-beetle, xxiii, 109.
 - by Western Green Stink-bug, xxi, 97.
- eaten into by adult Banded Ips, xviii, 25.
- Flea-beetle, xxi, 123.
 - as strawberry insect, xiii, 62, 86.
 - calendar of, xiii, 179.
 - Western, xxi, 123; xxiii, 109.
- flamed with gasoline blast-lamp, xxiv, 52.
- infested or destroyed by Spotted Cutworm, xvi, 86; xxi, 103.
- injured by False Chinch-bug, xiii, 104; xxi, 96; xxiii, 118.
 - by Grass-worm, xiv, 63; xxiii, 82.
 - by grasshoppers, Misc. Ess., 50.
 - by Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 - by Iulidæ, xiii, 140.
 - by Potato Flea-beetle, xxi, 117.

Cabbage injured—*Continued.*

- by Speckled Cutworm, xiv, 93.
- by Strawberry Crown-girdler, xxiii, 193.
- by Tarnished Plant-bug, xiii, 115, 116; xiv, 80.
- Plusia, injuries by, and generations and parasites of, xxi, 152-153.
- gasoline blast-lamp used against, xxiv, 54.
- subject to attack by wireworms, xviii, 30.
- worm, European, or Imported, xiv, 93; xvi, IX.
 - diseases of, xiii, 10, 11; xiv, 6; Misc. Ess., 6-9; xv, 1.
 - flacherie of, Misc. Esss., 128; xix, 22.
 - infection experiments with, xix, 29, 34, 35, 45, 46, 53, 77, 94, 95, 99, 104, 105, 106, 107, 109.
- Cabbage-worms, gasoline blast-lamp used against, xxiv, 51, 54.
- Caceecia obsoletana, xiii, 61, 92, 95.
- rosaceana, xiii, 61, 94, 95; xiv, 97, 109.
 - as clover leaf-roller, xiv, 74.
 - transiturana, xiii, 95.
 - triferana, xiv, 20.
- Cactus as food plant of Apantesis arge, xxiii, 75.
- Cadelle, xxiii, 182.
- Cænogenes mortipennella, xvi, X.
 - description of, xvi, 101.
- Calandra granaria, Misc. Ess., 112.
- oryzæ, Misc. Ess., 111.
- California and Oregon washes for San Jose Scale compared with whale-oil soap and kerosene emulsion, xxii, 89, 90.
 - effect of rain upon, xxii, 87-88.
 - experiments with, xxii, 67-90.
 - trees used in, xxii, 71.
 - weather during, xxii, 71.
 - insecticide effect of, as compared with that of whale-oil soap, xxii, 89.
 - practical conclusions concerning use of, xxii, 89.
 - preparation of, xxii, 72.
 - use of, in California and Oregon, xxii, 67.
 - in the East, xxii, 67.
 - in Illinois xxii, 68-90.
 - water sprays on trees treated with, xxii, 73.
 - (See also under California wash and under Oregon wash.)
- wash, details of experiments with, xxii, 74-81.

California wash—*Continued.*

- field use of, xxii, 45, 50, 52-56.
 formulæ for, xxii, 53, 72.
 general results of experiments with, xxii, 81.
 method of determining effect of, xxii, 74.
 tables showing effect of, xxii, 75, 78.
 used on Apple, xxii, 55, 71, 74, 78.
 on Peach, xxii, 45, 50, 52, 53, 54, 55, 68, 71, 78.
 on Pear, xxii, 53, 55.
 on Plum, xxii, 45, 50, 53, 54, 55, 68.
- caliginosellus*, Crambus, xxiii, 42, 153, 155.
caliginosus, Harpalus, xxiv, 26.
 Calla infested by Common Red Spider, xxi, 59.
Callimorpha lecontei, xv, 2.
callosus, Sphenophorus, xvi, 60.
Calocoris rapidus, xxi, 92; xxiii, 199, 233.
 general description of, xxi, 87, 92.
 sp., xiii, 136.
Calosoma as enemy of cutworms, xxi, 101.
Caltha palustris, xiv, 80.
calva, Acutalis, xxi, 80.
Cambala annulata, xiii, 62, 138-141. See Strawberry millipede.
Cannula pellucida, xxiii, 139.
Campylacantha, xxi, 130.
 olivacea, xxi, 130, 135; xxiii, 213, 229.
camurellus, Crambus, xviii, XI.
canadense, Erigeron, xiv, 20, 74; xviii, 61; xxiii, 174.
 Solanum, xviii, 148.
canadensis, Elymus, xiv, 37.
Fringilla, xv, 67.
 Osmia, xiii, 61.
 Rubus, xv, 46.
canella, Paria, xvii, 81.
canescens, Atriplex, xxi, 161.
 Sisymbrium, xxi, 70.
 Canker-worm, xvii, XIV; xxiii, 87.
 at Decatur, Ill., xxii, 143.
 at Jacksonville, Ill., xxii, 139-143.
 crude petroleum as protection against, xxii, 93.
 eggs of, xxii, 139, 140.
 in the Sangamon forests, xxii, 143.
 injury to orchards by, xxii, 144.
 to Red Haw and Wild Cherry by, xxii, 144.
 measures against, xxii, 139-143, 144.
 on shade and forest trees, xxii, 139-144.
cannabinum, Apocynum, xxiii, 90.
Cantharis nuttalli, xxi, 139, 142.

- Capsella bursa-pastoris* infested by *For-da occidentalis*, xviii, 96.
 Capsidæ, xxi, 86; xxiii, 202.
 how to distinguish from Lygeidæ, xxi, 87.
Capsus bractatus, xxi, 88.
 chlorionis, xxi, 90.
 invitus, xiv, 111.
 multicolor, xiii, 136.
 oblineatus, xiii, 116.
 quadrivittatus, xiii, 117.
 rapidus, xiii, 136.
 Carabid larvæ as food of *Lasius niger*, xviii, 84.
 Carabidæ, xxiii, 11, 176-178.
 Carabinæ, xxiii, 178.
 Carbolem for San Jose Scale, xxi, 41.
 Carbolic acid for *Scelodonta nebulosus*, xiii, 173.
 for Soft Maple Bark-louse, xiv, 108.
 for subterranean larvæ, xiii, 69.
 Carbon bisulphid. See Bisulphid of carbon.
cardinalis, Vedalia, xx, 22.
Cardiophorus, xviii, 31.
 sp., xviii, 28, 29, 31, 32-34, 54.
 description of, xviii, 33-34.
 injury to Corn by, xv, 4; xviii, 8, 32.
cardui, Pyrameis, xix, 57.
carinatus, Tetrastichus, xiv, 48, 49.
cariosus, Sphenophorus, Misc. Ess., 109; xvi, 58, 60, 64, 67, 71; xxiii, 52.
 Carnations as food plants of Variegated Cutworm, xxiii, 24.
 subject to attack by wireworms, xviii, 30.
Carneades messoria, xxi, 56.
 character of injury to beets by, and measures against, xxi, 102.
carnosa, Endeis, xviii, 101.
carolina, Dissosteira, xxi, 130, 131.
 Protoparce, xvii, XIII.
 Carolina Poplar, or Cottonwood, as food plant of May-beetles, xxiv, 143, 144.
 Carpenter, W. F., Misc. Ess., 15.
Carpocapsa pomonella, Misc. Ess., 9, 22, 26; xv, 2, 7-20. See Codling-moth.
carophilum, Cladosporium, xxii, 101.
Carpophilus antiquus, C. dimidiatus, and C. pallipennis on injured ears of Corn, xxiii, 181.
 Carrion-beetle, Beet, xxi, 136-137.
 Carrot as food plant of Army-worm, xxii, 49.
 of Black Blister-beetle, xxi, 141.
 of Muck Beetle, xxi, 165.
 of Striped Blister-beetle, xxi, 140.
 of Zebra-caterpillar, xxi, 153.

- Carrot—*Continued*.
 -beetle, xxiv, 137.
 description of, xxiii, 98.
 injuries by, and food plants of, xxiii, 98.
 life history of, xxiii, 99.
 crop injured or destroyed by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
 subject to attack by wireworms, xviii, 30.
- Carter, Joseph, xvi, 70, 71; xxii, 8.
- Cartodere ruficollis, xxiii, 182.
- caryæ, Halesidota, xviii, X; xix, 26.
- Cassia marilandica, eggs of Imbricated Snout-beetle on, xxi, 144.
- cassia, Silvanus, Misc. Ess., 93.
- Cassida nebulosa, xxi, 124.
- Castor-bean as food plant of Garden Web-worm, xxiii, 90.
 of Prodenia ornithogalli eudi-opta, xxiii, 80.
- Castor-oil plant injured by Common Red Spider, xxi, 58.
- Catalpa, xxiv, 103.
 as food plant of San Jose Scale, xxi, 13.
- Catbird, xiii, 130.
 adult Southern Corn Root-worm in stomach of, xviii, 152.
 as enemy of corn bill-bugs, xvi, 71.
 June-beetles eaten by, xviii, 123, 124.
- Caterpillar, Apple, flacherie of, xix, 22.
 Hedgehog, xxiii, 71.
 -hunter as enemy of cutworms, xxi, 101.
- Salt-marsh, xxiii, 72.
- Thistle, infested with Sporotrichum globuliferum, xix, 57.
- Walnut, flacherie of, xix, 22.
- Caterpillars and moths, gasoline blast-lamp used against, xxiv, 44, 45.
 as food of Lasius niger, xviii, 84.
 characterization of injury to beets by, xxi, 56.
 exposed leaf-eating, which feed upon Beet, xxi, 145-158.
- Catnip infested by Green Flata, xxi, 84; xxiii, 203.
 by Smartweed Flea-beetle, xxi, 119
- Cattail, Sphenophorus pertinax bred from, xvi, 60; xxii, 17.
- Cauliflower as food plant of adult
 • Southern Corn Root-worm, xviii, 148.
 of Zebra-caterpillar, xxi, 153.
 infested by Western Cabbage Flea-beetle, xxi, 123.
 injury to, by ulids, xiii, 140.
- Ceanothus americanus as breeding plant of Little, or Flea, Negro-bug, xiii, 107, 108, 110; xxiii, 116.
 as food plant of Colaspis brunnea, xxii, 148.
 of Lachnosterna rubiginosa, xviii, 115.
- Cebrio, xviii, 31.
- Cecidomyia destructor, xiv, 38-50. See also Hessian Fly.
 leguminicola, Misc. Ess., 15; xv, 3; xviii, XI.
 trifolii, Misc. Ess., 15; xv, 3.
 tritici, xiv, 50-54. See Wheat Midge.
- Cecidomyiidae, xiii, 62.
- Cecidomyiid galls inhabited by Sulphur Leaf-roller, xxiii, 174.
- Cecropia moths, xviii, X.
 infection experiments with, xvii, 82, 84.
- Cedar flamed with gasoline blast-lamp, xxiv, 52.
 Rêd, Agallia novella on, xxi, 69.
- Celama sorghiella, xxiii, 169, 227.
- Celery as food plant of Agallia sanguinolenta, xxi, 70.
 of Cabbage Plusia, xxi, 152.
 of Carrot-beetle, xxiii, 98.
 of Cicadula 6-notata, xxi, 77.
 of Common Striped Cutworm, xxiii, 34.
 of Dingy Cutworm, xxiii, 27.
 of Dusky Leaf-bug, xxiii, 199.
 of Noctua plecta, xxi, 105.
 of Sulphur Leaf-roller, xxiii, 174.
 of W-marked Cutworm, xxiii, 31.
 of Zebra-caterpillar, xxi, 153.
- Deltocephalus inimicus on, xxi, 74.
 destroyed by Celery Plusia, xxi, 153.
 infested by Greenhouse Leaf-roller, xxi, 106.
 by Longitarsus melanurus, xxi, 122.
 by Platymetopius acutus, xxi, 73.
 injured by dipterous larva, Misc. Ess., 128.
 by Empoasca mali, xxi, 78.
 by Little Negro-bug, xxiii, 116.
 by Potato Flea-beetle, xxi, 117.
- Phlepsius irroratus on, xxi, 76.
 Plusia, larva of, distinguished from Cabbage Plusia, xxi, 153.
- Cellar bugs, xxi, 137.
- Centrinus penicellus, xxi, 143, 145.
 perscitus, xxi, 143, 145.
- Cerambycidae, xviii, 146.
- cerasi, Myzus, xxii, 129.
 Selandria, xiv, 117.

- Cerasus serotina*, xv, 53.
Ceratochloa australis, *Schizoneura venusta* on, xviii, 93.
Ceratomyza dorsalis, xxiii, 165, 226.
cerealella, *Gelechia*, xiii, 10.
 Sitotroga, Misc. Ess., 89.
Ceresa taurina, xxiii, 204.
cervicalis, *Disonycha*, xxi, 114, 117.
Cetonia, Indian, Misc. Ess., 101.
Chærocampa tersa, xxiii, 167.
Chætoconema, xxi, 114.
 confinis, xxi, 114, 119; xxiii, 110-111.
 denticulata, xxi, 114, 118; xxiii, 110.
 pulicaria, xiv, 22; Misc. Ess., 106; xviii, VII; xxi, 114, 118; xxiii, 109-110.
 subviridis infested with *Sporotrichum globuliferum*, xiv, 81.
Chætopsis ænea, xxiii, 164-165, 226.
Chaitophorus, xiii, 41, 42.
 flavus, xiii, 42-46, 50, 53; xviii, 70; xxiii, 210.
 description of, xiii, 43, 53.
 injuries by, xiii, 44.
 life history of, xiii, 44; xiv, 70.
 natural enemies of, xiii, 45.
 negundinis, xxiii, 210.
Chalcididæ, xx, 20.
Chalcolepidius, xviii, 31.
Chambers, V. T., xv, 46, 47, 49, 52, 53, 56.
Chariclea, xiv, 89.
 exprimens, xiv, 88.
 umbra, xiv, 89.
 var. *angulata*, xiv, 89.
Chelymorpha argus, xxiii, 192.
Chenopodiaceæ, *Agallia 4-punctata* on, xxi, 68.
 as food plants of European Beet-Tortoise-beetle, xxi, 124.
 infested by *Aphis atriplicis*, xxi, 82.
chenopodii, *Mamestra*, xxi, 151.
Chenopodium album, xxi, 52.
 as food plant of beet leaf-miners, xxi, 60.
 of Beet Web-worm, xxi, 110.
 of *Sphragisticus nebulosus*, xxiii, 198.
 as food plant of *Agallia sanguinolenta*, xxi, 70.
 of Garden Web-worm, xxiii, 89.
 of Pale-striped Flea-beetle, xviii, 22; xxi, 122.
 of Spotted Blister-beetle, xxi, 139.
 infested by Large-eyed Purslane Bug, xxi, 95.
 by Melon *Aphis*, xxi, 81.
Chermes pinicorticis, xvii, XIII; xx, Appendix.
Chermesinæ, xviii, 106.
Cherries injured by *Anatis 15-punctata*, xvi, XI.
 by *Leptoglossus oppositus*, xxiii, 197.
Cherry, *Alebra albostriella* on, xxi, 78.
 and the gasoline blast-lamp, xxiv, 47, 52.
Aphis, xxii, 129.
 date of spraying for, xxii, 129.
 eggs of, xxii, 129.
 as food plant of Common Gray Blister-beetle, xxi, 139.
 of Common Striped Cutworm, xxiii, 34.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 of Leaf-crumpler, xv, 69, 73; xxii, 130.
 of Oblique-banded Leaf-roller, xiii, 94.
 of San José Scale, xx, 1, 10, 11; xxi, 4, 5, 13.
 of Southern Corn Root-worm beetle, xviii, 149.
 effect of kerosene emulsion on, xxii, 48, 49.
 infested by Elm Twig-girdler, xxiv, 118, 121.
 by Soft Maple Bark-louse, xiv, 104.
 by Walnut Scale, xxii, 115.
 injured by Cherry-slug, xiv, 7, 117.
 by Flea Negro-bug, xiii, 107, 110.
 by Fruit Bark-beetle, xvii, 3, 4, 5.
 by Tarnished Plant-bug, xiii, 123.
 leaves as food of May-beetles, xvii, 42; xviii, 114; xxiv, 143.
 Rocky Mountain, infested by San Jose Scale, xxi, 5, 17.
 -scab, xxii, 127.
 -slug, xiv, 7.
 injury by and remedies for, xiv, 117.
 sprayed with crude petroleum, xxii, 92; effect, 93.
 with pure kerosene, xxii, 92; effect, 93.
 subject to attack by Peach-tree Borer, xxii, 100, 122.
 by crown-gall, xxii, 100.
 -trees defoliated by *Anomala undulata*, xxiii, 186.
Typhlocyba rosæ on, xxi, 78.
 Wild, as food plant of Leaf-crumpler, xv, 69, 73.
 Black, *Eutettix seminuda* on, xxi, 75.

Cherry, Wild—*Continued.*
 injury to, by Canker-worm, xxii, 144.
 by Common Willow-slug, xiv, 117.
 leaves of, mined by Apple Ornix, xv, 52, 53.
 by *Lithocolletis cratægella*, xv, 52.

Chester, E. E., xvi, 52.

Chestnut as food plant of May-beetles, xvii, 42, 43; xviii, 114.
 of San Jose Scale, xx, 1; xxi, 13.

Chickens as enemies of corn bill-bugs, xvi, 71.
 attempt by, to eat *Sphenophorus ochreus*, xxii, 14.
 devouring *Chaitophorus flavus*, xiii, 45, 46.
 White-grubs eaten by, xviii, 124.

Chick-pea as food plant of Grass-worm, xxiii, 82.

Chickweed as food plant of Purslane-sphinx, xxi, 155.
 of Yellow-Black Flea-beetle, xxi, 116.

Chicory as food plant of Bristly Cut-worm, xxiii, 35.
 of *Noctua plecta*, xxi, 105.

Chilocorus bivulnerus as enemy of Cottony Maple Scale, xxiv, 115.
 of San Jose Scale, xx, 19, 20; xxi, 43.

Chinch-bug, xiii, 9; Misc. Ess., 5, 112, 128; xvi, IX, X, XII; xvii, XV; xviii, 4, 52, 53, 58; xxiii, 3, 4, 5, 6, 7, 12, 17, 57-64, 233.
 a study of the causes of the disappearance of an outbreak of, xx, 45-74.
 agricultural methods of defense against, xv, 96-100.
 attempt to infect, with European parasitic fungi, xx, 101.
 bacterial decomposition of, xx, 52, 54, 59, 62, 65, 73, 78.
 disease of, xvi, 45, 46-48, 49.
 cultures of bacteria of, xvi, 47, 56; xvii, 76, 77.
 evidence in proof of, xvii, 74.
 barriers to migration of, xv, 100; xvi, 43, 56; xix, 5, 7-15, 100; xx, 35-44; xxiii, 63; xxiv, 30-32, 34-40, 56-57.
 breeding plants of, xv, 93, 94; xvi, 51, 54.
 Broom-corn and Sorghum as food plants of, xiii, 40.
 burning of, in winter quarters, xx, 98.

Chinch-bug—*Continued.*
 captured by *Lasius niger*, xviii, 84.
 comparative cost of various treatments for, xxiv, 55, 56.
 contribution to an economic bibliography of the, xvi, Appendix, 5-122.
 crop plants immune from injury by, xv, 95, 97; xxiii, 59.
 description of different stages of, xxiii, 58-59.
 diseases of, xvi, 2, 40, 42, 45, 56; xvii, IX, 74-87; xviii, X; xix, 16-176; xx, 46, 47, 48, 49, 51, 52, 53.
 See also under Disease; and under Chinch-bug, bacterial disease of, and fungous diseases of.
 ditching against invasion of, xvi, 53, 56.
 early occurrence of, in Illinois, xvi, 50.
 eaten by Common Flower Bug, xxi, 86.
 effect of, on small grain and Corn, xvi, 50.
 of submersion on, xx, 51.
 on, of abandoning Corn as a crop, xvi, 5, 54.
 on, of abandonment of wheat culture, xvi, 6, 54, 55.
 on, of successive abandonment of corn and wheat culture, xvi, 6.
 eggs, attempt to infect, xx, 52.
 effect of burial on hatching of, xx, 99.
 of drouth on hatching of, xx, 89.
 of exposing, to fungi of green muscardine, xx, 91.
 of white muscardine, xx, 89-91.
 of immersion in water on hatching of, xx, 87.
 of moist air on hatching of, xx, 88.
 of salt on hatching of, xx, 99.
 temperature experiments with, xx, 85.
 estimates of injuries by, xxiii, 58.
 of losses in Illinois by, xv, 89; xvi, 1, 9.
 experiment in plowing under, xvi, 45.
 experimental details of midsummer measures against, xx, 38-40.
 experiments on, with *Entomophthora*, xx, 91.
 with insecticides for, xvi, 37-43; xxiv, 40-43.
 to determine vitality of hibernating generation of, xx, 80-82.
 with kerosene and salt, and other repellents, as barriers against, xx, 44.

Chinch-bug—*Continued.*

- False, xxi, 94, 95-96; xxiii, 12, 117-118, 233.
 as strawberry insect, xiii, 62, 104-106.
 calendar of, xiii, 179.
 description of, xiii, 105.
 food plants of, xiii, 104; xxi, 96.
 injuries by and life history of, xxi, 95, 96.
 measures against, xiii, 106; xxi, 96.
 field experiments with white muscardine fungus (*Sporotrichum globuliferum*) on, xx, 92-97.
 with, proposed, xv, 103.
 temperatures in hot weather as related to, xx, 86.
 trials with gasoline blast-lamp for, xxiv, 44, 52-56, 57-58.
 food experiment on, xvi, 50.
 plants of, food preferences, and injuries to crops by, xv, 94; xxiii, 59-60.
 fungous diseases of, xvi, 45, 46, 48, 49, 56; xvii, 74.
 culture and infection experiments with, xvii, 81-84.
 in 1889 and 1890, xviii, VII.
 in 1890 and 1891, xviii, VII-X.
 in 1891, injuries by, xviii, VIII-IX.
 field notes and correspondence concerning, xviii, VII-IX.
 regions affected by, xviii, VII-VIII.
 in Illinois, present conditions and prospects of, xv, 89-103.
 infection experiments with, xix, 82-83.
 influence of severe drouth on, xvi, 5, 11.
 injury, Misc. Ess., 23; xv, 1, 89.
 collection of data concerning, xvi, 8.
 comparison of crops for 1886 and 1887 with reference to, xvi, 21.
 cost of protecting Corn against, xxiv, 35, 36, 39, 43, 55, 56, 57.
 experiments at Carbondale, Ill., for protection of Corn against, xxiv, 33-36.
 at Dubois and Odin, Ill., for same, xxiv, 39-40.
 at Fairman, Ill., for same, xxiv, 36-39.
 with fertilizers to support crop against, xvi, 35-37, 55.
 field experiments for protection of Corn against, xxiv, 30-58.
 general summary on above experiments, xxiv, 56-58.

Chinch-bug injury—*Continued.*

- in 1894, and results of experiments with *Sporotrichum globuliferum*, xix, 88-96.
 relations of the area of Wheat and other crops to, xvi, 7-35.
 to all crops combined, compared with average acreage of each, xvi, 22-35.
 to Corn as compared with acreage in Wheat and other grains, xvi, 11-16.
 to grass as compared with acres in Wheat and other crops, xvi, 16-18.
 to small grain as compared with the area in Wheat and other crops, xvi, 19-21.
 to small grain, Corn, and grass in 1887, as reported by townships, xvi, 3-4.
 inoculation of dead, with *Sporotrichum*, xx, 97.
 Kansas barrier method against, xx, 42-44.
 kerosene emulsion and mixtures for, xxiv, 32-36, 40-42, 53, 55.
 or crude petroleum, use for, in dealing with, xxiv, 56.
 life history of, xiv, 4; xv, 93; xxiii, 60-62.
 local campaign against, xx, 40-44.
 methods of direct destruction of, xv, 101.
 midsummer measures against, xx, 35-44.
 miscellaneous experiments on, xx, 79-102.
 notes and observations on, xvi, 50-53.
 muscardine fungus, outline of experiments with, in 1891, xix, 36-38.
 See *Sporotrichum globuliferum* for further note of experiments.
 Negro-bug associated with, xvi, 51, 57.
 notes from correspondents concerning, xv, 90-93.
 on contagious disease in the, xix, 16-176. See under Disease.
 oviposition of, in midsummer, xvi, 51.
 parasites of, xiii, 9. See under Chinch-bug, diseases of.
 practical disappearance of outbreak of, xvii, IX.
 precaution in burning out, in spring, xvi, 53.
 precise laboratory experiments with muscardine fungus on, xx, 99-102.
 preparation and cost of coal-tar line as barrier against, xxiv, 37-39, 57.

- Chinch-bug—*Continued*.
 preparation of dusty furrow as barrier against, xxiv, 36-37.
 preventive and remedial measures against, xv, 95-103; xxiii, 62-64.
 rank of, as an economic species, xxiii, 57.
 relative damage to Wheat, Corn, Oats, and grasses by, xxiii, 59.
 secondary effects upon, of the abandonment of wheat culture, xvi, 6.
 sowing Timothy with Wheat as protection against, xv, 99, 102; xvi, 52, 57.
 special procedure recommended as defense against, xv, 102.
Sporotrichum for, xxi, 30.
 starvation experiments on, xvi, 44, 56.
 stations of observation in studying causes of disappearance of outbreak of, xx, 49.
 summary statement for each of above, xx, 51-55.
 studies on the, II., xvi, 1-57.
 summary and conclusions of, xvi, 53-57.
 successful defense of Corn against, xvi, 53.
 summary of current opinion respecting wheat culture and the, xvi, 32-35.
 temperature experiments on, xx, 83-85.
 whale-oil soap for, xxiv, 42, 43, 57.
- Chinch-bugs, confinement experiment with, xix, 187-189.
 contagion and infection experiments with, xix, 33-34, 39, 40, 41, 42, 44, 48, 51, 55, 56, 57-59, 71, 74, 75, 76, 77, 78, 80, 82, 83, 103, 108, 109, 110, 111, 112, 113, 119, 120, 121, 123, 124, 125, 126, 128, 129, 131, 134.
 discussion of results of, in 1894, xix, 92.
 effect of moisture on, xix, 130.
 immersion and floating experiments with, xix, 183-187; xx, 81.
 in boxes, contagion and infection experiments with, in 1894, xix, 97, 98.
 laboratory experiments with, xix, 177-189.
 spontaneous occurrence of white muscardine among, in 1895, xx, 75-78.
- Chionaspis furfura*, xx, 16; xxi, 20; xxii, 118. See Scurfy Scale.
pinifoliae, xx, 21.
- Chipping Sparrow as enemy of Strawberry False Worm, xiii, 75.
- Chittenden, F. H., xx, 6; xxi, 88, 89, 121, 122, 149; xxii, 149; xxiii, 110, 189, 191, 196, 198, 204; xxiv, 119, 137.
- Chlænus tomentosus* feeding upon White-grub beetle, xviii, 126.
- Chloria*, Misc. Ess., 23.
- Chlorine gas for white ants, xix, 199.
- chlorionis, *Capsus*, xxi, 90.
Macrocoleus, xxi, 87, 90.
- chloris, *Aphis*, xiii, 100.
- Chlorochara conica*, xxiii, 203. See also *Green Flata*.
- Chlorochroa conica*, xxiii, 203.
- Chlorops, xiii, 16, 22, 31.
- Chocolate-striped Cutworm, xvi, 87-88.
- Chorizagrotis agrestis*, xxi, 51, 102-103.
- chortalis, *Loxostege*, xxi, 107.
- Chortophila betarum*, xxi, 59.
floccosa, xxi, 59.
- Chrysanthemum* as food plant of Common Gray Blister-beetle, xxi, 139.
 of Red-banded Leaf-roller, xxiii, 175.
 injured by Common Flower Bug, xxi, 86.
 by Garden Flea-hopper, xxi, 88.
- Chrysomelidæ*, xxi, 112-128.
 as corn insects, xxiii, 12, 186.
 as strawberry insects, xiii, 60.
- Chrysomitris tristis*, xiv, 105.
- Chrysopa* sp., xiv, 33; xxiii, 14.
 as enemy of Apple Leaf-skeletonizer, xv, 60.
- Chuck-will's Widow, White-grubs eaten by, xviii, 123.
- Cicada tredecim* dead with white muscardine, xix, 90.
- Cicadas* infested with *Sporotrichum globuliferum*, xix, 125, 128.
- Cicadula nigrifrons*, xiv, 22, 69; Misc. Ess., 117; xxi, 75.
 description of, and plants found on, xiv, 67-68.
quadrilineata, xiv, 22, 68; Misc. Ess., 117; xxi, 77.
 description of, and plants found on, xiv, 68-69.
sexnotata, xxi, 67, 77; xxiii, 121, 123.
- cicatricosus*, *Sphenophorus*, xvi, 60.
- Cigar-Case-bearer, xxi, 146.
- cincticollis*, *Platynus*, xxiii, 177.
- cinctus*, *Harpactor*, xv, 84.
- Milyas*, xv, 84.
- cinderella*, Texas, xv, 60, 84.
Tortrix, xv, 77, 78, 79, 81.
- cinerea*, *Epicauta*, Misc. Ess., 19, 51; xv, 4; xxi, 138, 140.

cinerea—*Continued.*

- marginata, *Epicauta*, xxi, 141.
Piesma, xxi, 85.
 Cinquefoil, *Paria aterrima* abundant on, xiii, 169.
Cirsium lanceolatum, xix, 57.
Cladosporium carpophilum, xxii, 101.
clandestina, *Agrotis*, Misc. Ess., 68; xvi, 85.
Noctua, xxiii, 17, 31.
Clavicornia, xxiii, 180.
 Clay-backed Cutworm, xvi, IX, 85, 89-93; xxiii, 28-29, 232.
 Clay-colored Bill-bug, xvi, 59, 69; xxii, 1, 9-17, 18; xxiii, 229. See under *Sphenophorus ochreus*.
 Weevil, xxi, 144, 145.
 Clear-winged Grasshopper, xxiii, 139, 229.
 Clematis as food plant of Striped Blister-beetle, xxi, 140.
Platymetopius acutus on, xxi, 73.
Clemens, B., xiv, 21; xv, 46, 49; xxiii, 155.
 Cleome as food plant of Beet Army-worm, xxi, 150.
integrifolia infested by Western Cabbage Flea-beetle, xxi, 123.
Clethra alnifolia, Misc. Ess., 129.
 Click-beetles, xviii, 30, 39; xxi, 163.
 and their larvæ as food of birds, xviii, 47.
 Climbing crickets, xxiii, 13, 213, 215, 216. See also Tree-crickets.
Clisiocampa americana, xxii, 134. See Tent-caterpillar.
sylvatica, xiii, 10; xvii, XIII.
Clitocybe parasitica, xxii, 111.
Clivina impressifrons, xxiii, 228.
 description of, xviii, 15.
 injuries by, xviii, 8; xxi, 136.
 Clover, xiv, 13; Misc. Ess., 20; xv, 5; xvi, 55; xxi, 122; xxiv, 1.
 and timothy fields, upland, preferred by Larger Meadow Grasshopper, xxi, 135.
 and the Army-worm, xxiii, 49.
 and white-grub injury, xx, 27, 29, 30, 31, 32.
 as food plant of Bristly Cutworm, xxiii, 35.
 of Cabbage *Plusia*, xxi, 152.
 of Common Striped Cutworm, xxiii, 34.
 of Dark-sided Cutworm, xxiii, 33.
 of Dingy Cutworm, xxiii, 27.
 of Granulated Cutworm, xxiii, 32.
 of Grass-worm, xxiii, 82.

Clover as food plant—*Continued.*

- of Hedgehog Caterpillar, xxiii, 74.
 of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
 of Salt-marsh Caterpillar, xxiii, 74.
 of Spotted Blister-beetle, xxi, 139.
 of Sulphur Leaf-roller, xxiii, 174.
 of Variegated Cutworm, xxiii, 24.
 of W-marked Cutworm, xxiii, 31.
 of Zebra-caterpillar, xxi, 153.
 as substitute for Timothy to eradicate bill-bugs, xxiv, 7.
 Bark-louse, description of, xiv, 73.
 blossoms as food of *Colaspis brunnea*, xxi, 125.
 of Common Flower Bug, xxi, 86.
 of Southern Corn Root-worm beetle, xviii, 148.
 Corn Root-worm beetle congregating on, Misc. Ess., 20.
 destroyed by *Agallia sanguinolenta*, xxi, 70.
 by *Schistocerca americana*, xxiii, 141.
 field, *Asaphes decoloratus* collected from, xviii, 45.
 light-trap for May-beetles in, xxiv, 147.
 Green Apple-Leaf-hopper collected from, Misc. Ess., 24.
 -heads as food of adult of White-grubs, xvii, 42.
 immune from chinch-bug injury, xxiii, 59.
 infested by Garden Flea-hopper, xxi, 88.
 by *Geocia squamosa*, xviii, 99, 100.
 by *Nectarophora pisi*, xxi, 83.
 by sod web-worms, xxiii, 40.
 by Soft Maple Bark-louse, xiv, 104.
 by Sorghum Mealy Bug, xviii, 107.
 injured by *Bryobia pratensis*, xiv, 73.
 by Clay-backed Cutworm, xxiii, 28.
 by Clover-seed Midge, Misc. Ess., 15, 16.
 by *Colaspis brunnea*, xxii, 145, 148.
 by Common Gray Blister-beetle, xxi, 139.
 by cutworms, xvi, 88, 90.
 by *Empoasca mali*, xxi, 78.
 by European Beet-Tortoise-beetle, xxi, 125.
 by field-crickets, xxiii, 214.

Clover injured—*Continued.*

- by grasshoppers, Misc. Ess., 51, 52, 53.
- by Pale-striped Flea-beetle, xviii, 22; xxi, 121.
- by Striped Blister-beetle, xxiii, 112.
- by tipulid larvæ, or meadow maggots, xvi, XI, 79, 82; xxiii, 161, 162.
- by Western Striped Cutworm, xxiii, 27.
- insects, on some, xiv, 72-74.
- leaf-rollers, xiv, 74.
- leaves eaten by larva of *Prodenia ornithogalli eudiopta*, xxiii, 80.
- Midge larvæ eaten by Common Flower Bug, xxi, 86.
- mites, xiv, 73-74.
- Parajulus venustus* found about roots of, xxiii, 223.
- Plant-louse, xxiii, 208.
- Red and White, leaves of, rolled by Rusty-Brown Tortrix, xxiii, 176.
- as food plant of Garden Web-worm, xxiii, 90.
- blossoms of, as food of Imbricated Snout-beetle, xxi, 143.
- infested by Clover Plant-louse, xxiii, 208.
- by Dusky Leaf-bug, xxiii, 199.
- by *Euschistus variolarius*, xxiii, 196.
- by Melon Aphis, xxi, 81.
- by *Prenolepis imparis*, xxiii, 159.
- by Sweet-Potato Flea-beetle, xxiii, 111.
- injured by Mealy Flata, xxi, 84.
- by Sulphur Leaf-roller, xiv, 19.
- petals and pollen of, eaten by Northern Corn-Root-worm beetle, xviii, 158, 160, 161.
- leaves and blossoms of, eaten by Southern Corn Root-worm beetle, xxiii, 188.
- Sulphur Leaf-roller bred from, xiv, 20.
- roots as food of larva of Goldsmith-beetle, xiii, 146, 147.
- seed Midge, xv, 3; xviii, XI.
- early observations of injury by, and natural enemies of, Misc. Ess., 15-16; xv, 3-4.
- sod infested by *Asaphes decoloratus*, xviii, 30.
- sowed with various crops as protection against chinch-bug injury, xv, 102.
- Sweet. See Sweet Clover.
- use of, in crop rotation, xx, 34.
- White, as food plant of Western Striped Cutworm, xvi, 89.

Clover, White—*Continued.*

- Cymatophora crepuscularia* collected from, xiv, 72.
- destroyed by Pale-striped Flea-beetle, xxiii, 108.
- Hæmatopsis grataria* abundant on, xiv, 74.
- infested by Clover Bark-louse, xiv, 72.
- injury to, by Sulphur Leaf-roller, xiv, 19.
- Club-fungus, xix, 19.
- Club-rush, xxii, 2, 12.
- as food plant of corn bill-bugs, xxiii, 52.
- of *Sphenophorus ochreus*, xvi, 58, 66, 69; xxii, 10, 12, 13, 15.
- c-nigrum*, *Agrotis*, xiv, 93; Misc. Ess., 66; xvi, 86.
- Noctua*, xxi, 102, 103, 105; xxiii, 17, 25.
- Coal-tar and coal-tar and oil as barrier to migration of Chinch-bug, xv, 100; xvi, 43, 56; xix, 5; xx, 42; xxiii, 63; xxiv, 30, 31, 35, 37-39, 56-57.
- emulsion for Chinch-bug, xvi, 41.
- water for Chinch-bug, xvi, 40.
- Coccid, maple, on strawberry, xiii, 98.
- Coccidæ, xviii, 106; xxi, 159; xxii, 112-121. See Scale insects.
- and Aphididæ, xviii, 55-108.
- coccinea, *Diedrocephala*, xxi, 71.
- Coccinella 9-notata*, xiv, 24, 33; xxiii, 231.
- eating corn leaf, xxiii, 179.
- infested with *Sporotrichum globuliferum*, xix, 140.
- Coccinellid, xix, 128.
- larvæ in nests of ants, xviii, 100.
- Coccinellidæ, xiii, 45; xxi, 113; xxiii, 179.
- destruction of, by measures taken against Soft Maple Bark-louse, xiv, 109.
- Coccophagus lecanii* as parasite of Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 105; xxiv, 114.
- coccophila, *Sphærostilbe*, xx, 22; xxi, 30.
- Coccus sorghiellus*, xiv, 71; xviii, 106, 107.
- trifolii, description of, xiv, 73.
- cochyliera, *Isaria*, xx, 101.
- Cockchafer, European, transformations of, xvii, 32, 33.
- grub, xviii, 110.
- Cockchafers, xviii, 130.
- Cockerell, T. D. A., xx, 4; xxi, 139, 161; xxiii, 184.

- Cocklebur, xxi, 52.
 as food plant of *Euphoria inda*, xxiii, 101.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xxiii, 82.
 of Pale-striped Flea-beetle, xviii, 21; xxi, 121; xxiii, 108.
 of Stalk-borer, xxiii, 46.
 of *Tanymecus confertus*, xxi, 145.
 infested by Sorghum Mealy Bug, xviii, 107.
- Codling-moth, Misc. Ess., 9, 22; xv, 2.
 and curculios, experiments on the, Misc. Ess., 26-45.
 with arsenical poisons, Misc. Ess., 27, 28-37, 40, 41, 42-44.
 with lime, Misc. Ess., 37-39, 41; tabular exhibit, 44-45.
 with London purple, Misc. Ess., 35-37; tabular exhibit, 43-44.
 with Paris green, Misc. Ess., 30-35, 40, 41; tabular exhibit, 42-43.
 summary and recapitulation of, Misc. Ess., 39-41.
- benefit from once or twice spraying with Paris green for, xv, 11, 15.
 comparison of Paris green and other poisons for, xv, 14, 20.
 danger-line in spraying with arsenical poisons for, xv, 14.
 experiments with arsenical poisons for, xv, 7-20.
 life history of, Misc. Ess., 39.
 older standard measures against, Misc. Ess., 26.
 practice and methods of spraying for, xvi, X.
 protection against curculios afforded by poison sprays for, xv, 15.
 ratios of benefit from arsenical poisons used for, xv, 8, 12.
 summary of final outcome of Paris green experiments on, in 1885 and 1886, xv, 12, 15.
 tabular exhibit of spraying experiments for, xv, 16-20.
 time at which spraying is most effective for, xv, 13.
- Cœlinius meromyzæ* as parasite of Wheat Bulb-worm, xiii, 25, 26, 29; xiv, 54; xv, 36.
 description of, xiii, 26.
niger as parasite of European Wheat Oscinidæ, xiii, 24.
cœruleocinctus, *Iulus*, or *Julus*, xiii, 139; xxiii, 223.
- cognatus*, *Atænius*, xxiii, 183.
 Cohn's solution, xix, 55.
Colaspis, xiii, 157.
brunnea, xxiii, 104-106.
 appearance of larva of, and illustrations of different stages of, xxii, 146, 147.
costipennis, xiii, 157.
 description of, xiii, 156; xxi, 115; xxii, 149.
 distribution of, xxii, 148.
 feeding habits and range of, xxi, 125.
 injuries by, xiii, 62, 86, 144, 151, 156; xxii, 145, 148, 149; xxiii, 104-106, 228.
 life history of, xiii, 157; xxi, 125; xxii, 148.
 compared with that of other strawberry root-worms, xiii, 166-169, 175.
 literature of, xiii, 156.
 (For natural enemies of, topical applications for, etc., see under Strawberry root-worms.)
 concerning life history of, xxi, 114.
 Grape-vine, xiii, 156. See *Colaspis brunnea*.
 Root-worm, xxii, 145-149; xxiii, 104-106, 228. See also *Colaspis brunnea*.
striata, xiii, 159.
strigosa, xiii, 156.
tristis as strawberry insect, xiii, 62, 86, 158, 159.
 sp., xiii, 158.
- Colastus semitectus* on corn ears, decaying cotton-bolls, and injured figs, xxiii, 181.
- Coleophora fletcherella*, xxi, 146.
- Coleoptera, xxiii, 230.
 as strawberry insects, xiii, 60, 61, 62.
 number of species of, identified as corn insects, xxiii, 11.
- Coleopterous larva destructive to Corn, xxiii, 186.
- collaris*, *Disonycha*, xxi, 116.
- Colorado Grasshopper, xiii, 40. See Rocky Mountain Locust or Grasshopper.
- Potato-beetle, infection experiments with, xix, 35, 54.
 killed by gasoline blast-lamp, xxiv, 54.
- colossus, *Evarthrus*, xix, 26.
- Columbine as food plant of Zebra-caterpillar, xxiii, 171.
- comes, *Typhlocyba*, xxi, 79.
vitis, *Typhlocyba*, xxi, 79.
- Comfrey as food plant of Bristly Cut-worm, xxiii, 35.

- comma, *Agonoderus*, xviii, 13.
 Common Flower Bug, xxi, 86.
 Garden, or Garden, Web-worm, xxi, 107, 108-109; xxiii, 89-91, 227.
 Gray Blister-beetle, xxi, 139.
 Grub-Wasp as parasite of White-grubs, xxiv, 157-160. See Grub-Wasp, Common.
 Ladybug, xiv, 21. See Ladybug, Common.
 Negro-bug, xxi, 99-100.
 Red-legged Grasshopper, xxi, 128, 133.
 Red Spider, xxi, 58-59.
 Sod Web-worm, xxiii, 41, 230.
 Squash-bug, xxi, 97.
 Strawberry Leaf-roller, xiii, 61, 87-93.
 See Strawberry Leaf-roller, Common.
 White-grubs, as strawberry insects, xiii, 61, 62, 63, 143, 145.
communis, *Juniperus*, xiii, 161.
Melanotus, Misc. Ess., 17, 18, 97; xviii, 8, 32, 39, 42, 43, 44.
Phragmites, xvi, 58, 69; xxii, 10; xxiii, 165.
 Compositæ, *Agallia 4-punctata* on, xxi, 68.
 as food plants of Common Black Blister-beetle, Misc. Ess., 19; xv, 4.
 of Striped Cucumber-beetle, xxi, 126.
 blossoms eaten by adult Banded Ips, xviii, 25.
 by Northern Corn Root-worm beetle, xviii, 158.
 infested by *Aphis middletonii*, xxi, 161.
compressa, *Poa*, xxii, 148.
comptana, *Phoxopterus*, xiii, 61, 74, 87, 95.
 Comstock, J. H., xiii, 12, 111; xiv, 17, 57, 84; xvi, 60, 61; xviii, 36, 37, 38; xx, 104; xxiii, 164, 175.
 and Slingerland, M. V., xviii, 34, 35, 37, 39, 41, 47, 48, 49.
concavus, *Lixus*, xvi, 76; xxiii, 114, 115, 229.
concinna, *Oedemasia*, xvii, XIII.
 Cone-flower roots, pupæ of Southern Corn Root-worm among, xviii, 148.
confertus, *Tanymecus*, xxi, 143, 145.
confinis, *Chaetocnema*, xxi, 114, 119; xxiii, 110.
congrua, *Lachnosterna*, xvii, 47, 48, 49; xviii, 139, 142.
conica, *Chlorochara*, xxiii, 203.
Chlorochroa, xxi, 83; xxiii, 203.
Conotrachelus nenuphar, Misc. Ess., 21, 26; xvi, 76; xvii, 21-25. See also *Plum-curculio*.
consputa, *Monoxia*, xxi, 52, 115, 127, 128.
contracta, *Datana*, xiv, 95.
convergens, *Hippodamia*, xiv, 24.
convexior, *Psylliodes*, xxi, 114, 124; xxiii, 191, 192.
 Convolvulacæ injured by Sweet-Potato Flea-beetle, xxi, 119.
 Convolvulus as food plant of Yellow Bear, xxiii, 74.
 Cook, A. J., xiii, 12, 114, 159, 163; Misc. Ess., 27; xv, 37, 70; xix, 22; xxiii, 19, 21, 34, 78, 119, 175.
 Coolidge, J. H., xxiv, 9.
 Cope, E. D., xiii, 140.
Copidryas gloveri, xxi, 146, 154.
Copipanolis vernalis infested by *Sporotrichum globuliferum*, xvii, 81; xix, 42.
 Copperas for wireworms, xviii, 49.
 Coquillett, D. W., xiii, 82, 140; xiv, 18, 20, 90; xxi, 153; xxiii, 223.
 Cordley, A. B., xxii, 67, 68.
Cordyceps, xviii, 47; xix, 19.
melolonthæ, xvii, 45; xviii, 126, 137.
 Coreidæ, xxi, 96.
Coreopsis blossoms destroyed by Flea Negro-bug, xiii, 107, 110.
lanceolata and *C. sp.* as food plants of same, xiii, 108, 109.
Coreus lineolaris, xiii, 116.
Corimelæna pulicaria, xvi, 51; xxi, 99-100; xxiii, 115, 233.
Corimelænidæ, xxi, 99.
Coriscus ferus as enemy of beet leaf-miners, xxi, 61.
 of leaf-hoppers, xxi, 63.
Corizus lateralis, xxi, 96-97.
 spp., xxi, 96.
 Corn, xiii, 40.
 A Monograph of Insect Injuries to, Part I., xviii, 1-171; Part II., xxiii, 1-273.
 as breeding plant of Chinch-bug, xv, 93, 94; xvi, 52.
 of Green Flata, xxi, 84.
 of White-grubs, xvi, XI.
 of Yellow Sorghum Plant-louse, xxiii, 210.
 as food plant of Cotton Cutworm, xxi, 148.
 of *Dicrocephala mollipes*, xxi, 71.
 of May-beetles, xxiv, 143, 145, 146.
 of Red-banded Leaf-roller, xiv, 20.
 of Smeared Dagger, xiii, 82.
 of Southern Corn Root-worm, xxi, 125, 126.

Corn as food plant—*Continued.*

- of Striped Cucumber-beetle, xxi, 126.
- of Zebra-caterpillar, xxi, 153.
- Atænius cognatus* infesting husks and roots of, xxiii, 183.
- bill-bugs, Misc. Ess., 109; xvi, 58-74; xviii, 4, 5. See *Sphenophorus* spp. and Bill-bugs, corn.
- in Illinois, xxii, 1-26.
- article on, cited, xxiv, 1.
- character of injury to, by leaf-hoppers, xxiii, 7.
- by plant-lice, xxiii, 7.
- by wireworms, xvi, 28, 29.
- Cicadula nigrifrons* and *C. quadrilineatus* on, xxv, 68, 69.
- sexnotata* on, xxi, 77.
- classification and grouping of injuries to, xviii, 7; xxiii, 225.
- Curculio*, Sculptured, Misc. Ess., 109.
- Delphax*, xxiii, 120-121.
- Deltocephalus inimicus* on, xxi, 74.
- destroyed by Western Green Stink-bug, xxi, 97, 99.
- ears, *Euschistus fissilis* feeding on, xxiii, 195.
- fallen, infested by *Cremastochilus knochii*, xxiii, 183.
- green, fed in by Rusty-Brown Tortrix, xxiii, 176.
- eggs of *Diedrocephala mollipes* on, xxi, 72.
- exposed kernels of, eaten by Common Ladybug, xiv, 22.
- feeding *Syrphus*-fly, xxiii, 162-163.
- field experiments for protection of, against Chinch-bug injury, xxiv, 30-58.
- light-trap for May-beetles in, xxiv, 147.
- fields as breeding place of Northern Corn Root-worm, xxi, 127.
- Flea-beetle, xviii, 4; xxi, 118; xxiii, 107, 109-110. See also Brassy Flea-beetle.
- fodder destroyed by Grass-worm, xiv, 62.
- Forda occidentalis* on, xviii, 95-97.
- Gnathodus abdominalis* and *G. impictus* on, xxi, 76.
- indications of injury to, xviii, 4-6.
- infested by *Geocia squamosa*, xviii, 98, 99, 100.
- by Grass Root-lice, xiii, 51; xviii, 57, 85, 86, 87, 88, 89.
- by Mealy Flata, xxiii, 203.
- by Sorghum Mealy Bug, xviii, 106, 107.
- by *Tychea brevicornis*, xviii, 97.

Corn infested—*Continued.*

- by Woolly Grass Root-lice, xviii, 104, 105.
- injured by *Agallia novella*, xxii, 69.
- by *Chaetocnema denticulata*, xxi, 118.
- by Common Garden Web-worm, xxi, 108.
- by Common Negro-bug, xxi, 100.
- by Corn Flea-beetle, xviii, VII; xxi, 118.
- by *Deltocephalus nigrifrons*, xxi, 75.
- by *Empoasca mali*, xxi, 78.
- by False Chinch-bug, xxi, 96.
- by Leaf-cutting Ant, xxiii, 159.
- by Muck-Beetle, xxi, 165.
- by Pale-striped Flea-beetle and its larva, xxi, 121, 122.
- by *Psylliodes convexior*, xxi, 124.
- by Spotted Cutworm, xxi, 103.
- by *Stobera tricarinata*, xxi, 67.
- by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 110.
- by Texas Agricultural Ant, xxiii, 159.
- injury to, by blister-beetles, Misc. Ess., 19; xv, 4; xxi, 140, 141.
- by Burrowing Web-worm, xvi, 98.
- by *Cardiophorus* sp., xv, 4.
- by Chinch-bug, Misc. Ess., 23; xv, 1; xvi, 50; xviii, VIII, IX.
- by *Colaspis brunnea*, xxi, 125; xxii, 145-146.
- by corn bill-bugs, xvi, XII, 58, 59, 60, 61, 62, 63, 68, 69, 70, 71; xxii, 1, 2, 3, 4, 5, 6, 7, 8, 9-11, 12, 13, 14-16, 21, 22. See also injury to, by timothy bill-bugs.
- by corn myriapod, xiii, 140.
- by Corn Plant-lice, Misc. Ess., 24-25.
- by Corn Root-aphis, xviii, 58, 59-60.
- by corn root-worms, xiv, 6; xvii, XI.
- by cutworms, xiv, 13; xvi, 84, 85, 88, 90, 91, 97.
- by Grass-worm, or Common Grass-worm, or Fall Army-worm, xiv, 55, 56, 57, 61, 62, 63; xxi, 149.
- by grasshoppers, xiv, 23; Misc. Ess., 48, 50, 53, 127, 128.
- by *Hadena* stalk-borers, xxiii, 77, 78.
- by Larger Corn Root-worm, xvii, 71.
- by *Prionus* grubs, xviii, 146.
- by Root Web-worm, xiv, 13; Misc. Ess., 10, 11, 12; xvi, X.

Corn, injury to—*Continued.*

- by Tarnished Plant-bug, xiii, 115.
- by timothy bill-bugs, xxiv, 1-7.
 - general results and total amount of, xxiv, 3-6.
 - methods of prevention, xxiv, 6-7.
 - summary of investigation of, xxiv, 7.
- by Wheat Wireworm, xviii, 8, 36.
- by White-grubs, xvii, 42; xx, 26, 29, 30, 31; xxiv, 166.
- insect group, divisions of, xxiii, 2.
- injury to, xviii, 3-4.
 - general effects of, xxiii, 5.
 - most destructive to, xxiii, 57.
- insects eating irregular holes in leaves of, or notching edges of same, xxiii, 226, 230-231.
- grouped according to economic importance, xxiii, 14-16.
- list of, with reference to economic articles on, xxiii, 234-273.
- on new and little known, xiv, 11-33.
- partial economic bibliography of, Misc. Ess., 57-123.
- subterranean, xxiii, 3.
- systematic list of, Misc. Ess., 124-126.
- the less important, xxiii, 70-155.
- the more important, xxiii, 16-69.
- the unimportant, xxiii, 156-224.
- kernels as food of Dusky Leaf-bug, xxiii, 199.
 - of *Julus cœruleocinctus*, xxiii, 223.
 - of *Parajulus diversifrons*, xxiii, 223.
 - of *Plagiognathus obscurus*, xxiii, 201.
- gnawed by *Formica schaufussi*, xxiii, 161.
- punctured by *Leptoglossus oppositus*, xxiii, 197.
- key to the discussion of insect injuries to, xxiii, 225-233.
- leaf, eggs of *Dræculacephala mollipes* deposited on, xxiii, 205.
- Leaf-aphis, or Leaf-louse, xviii, 74; xxiii, 2, 3, 12, 123-133.
 - as broom-corn and sorghum insect, xxiii, 206.
 - disappearance of, in fall, xviii, 73.
 - earliest appearance of, xviii, 70.
 - field observations on, xxiii, 126-128.
 - injuries by, xxiii, 123-124, 125.
 - insectary experiments with, xxiii, 128-133.
 - on life history of, xxiii, 125, 133.

Corn Leaf-aphis—*Continued.*

- transfer of, to roots of corn or other plants, xviii, 74.
- Leaf-beetle, Southern, xxiii, 103-104, 231.
- Leaf-miner, Misc. Ess., 92; xxiii, 164, 226.
- leaves as food of *Hyperchiria io*, xxiii, 168.
- colonies of Clover Plant-louse on, xxiii, 208.
- cut up by Leaf-cutting Ant, xxiii, 159.
- eaten by adults of White-grubs, xvii, 42.
 - by larva of *Lerema accius*, xxiii, 166.
- by Scudder's Short-winged Grasshopper, xxiii, 142.
- by Short-winged Green Grasshopper, xxiii, 212.
- mined by *Ceratomyza dorsalis*, xxiii, 165-166.
- punctured by *Sphragisticus nebulosus*, xxiii, 198.
- Mealy Bug, xviii, 53. See also Sorghum Mealy Bug.
- measures of prevention and remedy for insect injury to, xxiii, 6.
- Moth, xviii, 6.
- myriapod, xiii, 140; Misc. Ess., 123; xxiii, 223.
- Myzus achyrantes* on, xxi, 83.
- number of insect species injuring, xviii, 3.
- Oncometopia undata* on, xxi, 71.
- plant, adaptations and reactions of, to insect visitants, xxiii, 3-5.
- injuries to, affecting the whole, xxiii, 227.
 - to different parts of, xxiii, 6-8.
 - to ear of, xxiii, 8.
 - to leaves of, xxiii, 6, 226.
 - to roots of, xviii, 52-165.
 - synopsis of, and order of discussion, xviii, 53-55.
 - to seed of, in the earth, xviii, 7-51; xxi, 136; xxiii, 222.
 - synopsis of, and order of discussion, xviii, 8.
 - to silks of, xxi, 125.
 - or to kernels at tip of ear or beneath husks, xxiii, 226.
 - to stalk of, Misc. Ess., 23; xxiii, 7, 197, 226.
 - to tassel of, xxiii, 227.
 - to underground parts of, xxiii, 227-229.
- insects injuring, above ground, xxiii, 16-17.
- injuring, obscurely, xxiii, 226, 227, 233.

Corn—*Continued.*

- Plant-louse, xiii, 9, 11; Misc. Ess., 117; xvii, XV.
 ants attending, xiii, 45, 48. See also under ants.
 bred on *Panicum glabrum*, xiii, 49.
 calendar of, xiii, 48.
 Common Ladybug as check on multiplication of, xiv, 22.
 description of, xiii, 46, 53; xiv, 25; Misc. Ess., 47.
 fertilizers and insecticides as support under attack by, xviii, 76.
 infesting or injuring Broom-corn and Sorghum, xiii, 40, 41, 42, 44; xiv, 24, 27.
 life history of the, contribution to, xiv, 23-33; Misc. Ess., 46-48; xv, 6; xvii, 67.
 natural enemies of, xiii, 49; xiv, 24, 30-33.
 nomenclature of, xiii, 46; xiv, 25.
 relation of root and aerial forms of, xiv, 24, 29.
 rotation of crops for, xiii, 50; xiv, 33; xv, 6; xviii, 75.
 pollen and sap of, as food of larva of corn-feeding Syrphus-fly, xxiii, 162, 163.
 eaten by capsid, xxiii, 202.
 by *Œbalus pugnax*, xxiii, 194.
 by *Phalacrus politus*, xxiii, 180.
 principal insects injurious to, xviii, 3-4.
 Root-aphis, xviii, 3, 4, 52, 53, 58-85; xxii, 146; xxiii, 2, 4, 5, 6, 12.
 and Grass Root-louse contrasted, xviii, 59-60, 85.
 breeding-cage experiments with, and with eggs of, xxiv, 26.
 comparative exhibit of results of treatment of ground for, xxiv, 29.
 description of various forms of, xviii, 80-82.
 descriptions of, cited, xvii, 64.
 discussion of, cited, xxiii, 69, 206.
 distinguished from *Aphis maidis*, xviii, 82.
 disease of, xviii, 74.
 distribution of, xviii, 58.
 effect of drouth on attack of, xxiv, 19.
 on, of change of crop from Corn to Oats, xxiv, 20-24, 28.
 on, of once and twice disking ground for, xxiv, 27, 28, 29.
 field experiments on the, xxiv, 8-29.
 Finnegan cultivation experiment for, xxiv, 19-20.
 Galesburg cultivation experiment for, xxiv, 9-11.

Corn Root-aphis—*Continued.*

- general discussion of results of cultivation experiments for, xxiv, 26-29.
 Harvel experiment for, xxiv, 11-13.
 hibernation of, xviii, 62.
 Hinman experiment for, xxiv, 15-19.
 injury by, xvi, XII; xviii, 59-62.
 life history of, xvii, XV, 65-67; xviii, 62-66; xxiv, 8.
 general statement concerning, xviii, 62.
 methods of investigation concerning the, xvii, 64, 65.
 migration of, to uninfested fields, xviii, 65.
 miscellaneous observations in fields infested by, xxiv, 24-26.
 natural enemies of, xviii, 74.
 on Sorghum roots, xviii, 72-73.
 periods and succession of generations of, xviii, 63-65; xxiv, 26.
 plowing and harrowing stubble to break up nests of ants attendant on, xviii, 78.
 rank as a corn pest, xviii, 58.
 ratio of winged to wingless specimens of, xxiv, 19, 22, 23, 24.
 relation of, to Corn Leaf-aphis, xvii, 64, 67-69; xviii, 57, 69-74.
 relations of, to ants, xvii, 64, 65; xviii, 10, 57, 62, 66-68, 82-85.
 scattering eggs and young of, xxiv, 8.
 starvation experiments with, xviii, 79.
 suggestions for control of, xvii, 69; xviii, 75-80; xxiv, 28.
 summary history of, xvii, 64-70.
 transfer of, to leaf of Corn, xviii, 70.
 to leaf of Sorghum, xviii, 72.
 various generations of, form and food of, xvii, 66, 67, 68.
 operations in cultivation experiments for, xxiv, 9.
 winged form of, xviii, 57, 65, 66, 68, 70.
 root blight, xviii, 52, 59.
 root-lice, xxiii, 227.
 table for identification of, xviii, 57.
 Root-worm, xiii, 9, 55; xiv, 5; Misc. Ess., 19-21, 103; xv, 4; xxiii, 2, 5, 12, 16.
 damage by, xiv, 6; xvii, XI.
 discussion of, cited, xiii, 55.
 distribution of, Misc. Ess., 20-21.
 infesting Sorghum, xiii, 55; Misc. Ess., 19, 21.
 Larger, a bacterial disease of the, xvii, 71-73.

Corn Root-worm, Larger—*Continued.*

- food of adult of, xvii, 72.
injury to Corn by, xvii, 71.
(See also Southern Corn Root-worm.)
Northern, xviii, 3, 55, 146, 148, 154-165; xxi, 127; xxiii, 4, 228.
See under Northern Corn Root-worm, and under Corn Root-worm.
oviposition and food of adult of, Misc. Ess., 20.
rotation of crops for, Misc. Ess., 19.
Southern, xviii, 55, 146-154; xxi, 125; xxiii, 8, 188, 228, 229. See also Southern Corn Root-worm and Corn Root-worm, Larger.
summary account of, xiii, 55.
root-worms, xviii, 4, 5, 52, 53, 58; xxiii, 6, 187.
-smut Beetle, food habits and description of, xxiii, 194.
Sphenophorus pertinax at base of hill of, Misc. Ess., 23.
scoparius and *S. sculptilis* on, xxii, 21.
Stalk-borer, or Corn Stalk-borer, Larger, Misc. Ess., 87; xxiii, 91-93, 233.
Smaller, Misc. Ess., 86; xxiii, 10, 94-95, 232.
stalk-borers, xxiii, 77-78, 226, 232-233.
-stalk gnawed by Strawberry Crown-girdler, xxiii, 192.
-worm, Southern, xxiii, 10.
-stalks, eggs of Larger Meadow Grass-hopper in, xxi, 135.
eggs of tree-crickets and meadow grasshoppers in, xxiii, 215-216.
of Western Green Stink-bug on, xxi, 99; xxiii, 117.
forms of egg punctures in, xxiii, 215-216.
Sulphur Leaf-roller bred from, xiv, 20.
Sweet, injured by Western Green Stink-bug, xxi, 97.
tassels, Sorghum Web-worm taken on, xxiii, 169.
tineid leaf-miner injuring, in husk, xxiii, 176.
treatment of, with arsenic before planting, Misc. Ess., 18.
Wireworm, xviii, 9, 21, 42-44, 55. See *Melanotus cribulosus*.
-worm, Misc. Ess., 83; xviii, 4, 5, 6; xxiii, 3, 10, 67-68. See under Ear-worm.
corni, *Schizoneura*, xiii, 40; xvii, 65; xviii, 57, 86, 89.

- Cornus*, alternate food plant of *Schizoneura corni*, xviii, 89.
coronaria, *Pyrus*, xiii, 161; xv, 46.
corrosa, *Lachnosterna*, xvii, 47, 50; xviii, 140, 143.
Corrosive sublimate for Chinch-bug, xvi, 42.
for wireworms, xviii, 49.
corticalis dubia, *Tenebrioides*, xxiii, 182.
Corymbites, xviii, 32.
Corymbitini, xviii, 31.
Cosmos petals as food of adult Southern Corn Root-worm, xviii, 148.
costalis, *Tipula*, xxiii, 161.
costipennis, *Colaspis brunnea*, xiii, 157.
Sphenophorus, xvi, 64, 67, 68.
Cotalpa lanigera as strawberry insect, xiii, 62, 63, 143, 146-148.
calendar of, xiii, 179.
Cotoneaster as food plant of San Jose Scale, xx, 1; xxi, 13.
Cotton as food plant of Carrot-beetle, xxiii, 98.
of Cotton Cutworm, xxiii, 80.
of *Eutettix seminuda*, xxi, 75.
of Garden Web-worm, xxiii, 90.
of Grass-worm, xiv, 62; xxiii, 82.
of Greasy Cutworm, xxiii, 21.
of Salt-marsh Caterpillar, xxiii, 74.
of Smartweed Caterpillar, xxiii, 170.
of Smear'd Dagger, xiii, 82.
of Sulphur Leaf-roller, xiv, 20; xxiii, 174.
blossoms as food of Dusky Leaf-bug, xxiii, 199.
of Southern Corn Root-worm beetle, xviii, 148.
damaged by *Luperodes varicornis*, xxiii, 187.
infested by Northern Corn Root-worm beetle, xviii, 158.
Boll-weevil, gasoline blast-lamp used against, xxiv, 44, 49.
Boll-worm, xxiii, 11, 67, 181.
eggs of, eaten by Common Flower Bug, xxi, 86.
(See also under Ear-worm.)
-bolls, *Carpophilus pallipennis* feeding in, xxiii, 181.
decaying, *Colastes semitectus* in, xxiii, 181.
injured by *Euphoria inda* and *E. sepulchralis*, xxiii, 101.
by late broods of Ear-worm, xxiii, 68.
by Thripidae, xxiii, 135.
by tineid leaf-miner, xxiii, 176.

Cotton—*Continued.*

- Cutworm, xxi, 146, 148-149; xxiii, 79-81, 230.
 destroyed by Cotton Cutworm, xxi, 148.
 by Ear-worm, xxiii, 67.
 by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
 eggs of meadow grasshoppers in stalks of, xxiii, 146.
 infested by *Dicrocephala versuta*, xxi, 71.
 by Granulated Cutworm, xxiii, 32.
 by Melon Aphis, xxi, 81.
 -plant as food of Oblique-banded Leaf-roller, xiii, 94.
 -plants cut off by Scaly June-bug, xxiii, 184.
 defoliated by *Hyperchiria io*, xxiii, 168.
 pollen as food of larvæ of Corn-feeding Syrphus-fly, xxiii, 163.
 refused as food plant by Army-worm in confinement, xxiii, 49.
 -worm, xiv, 57.
 Cottonwood, or Carolina Poplar, as food plant of May-beetles, xxiv, 143, 144.
 infested by *Empoasca mali*, xxi, 78.
 by *Typhlocyba rosæ*, xxi, 78.
 injured by Smartweed Caterpillar, xxiii, 170.
 leaves, Bristly Cutworm reared on, xxiii, 35.
 Cottony Maple Scale, articles on, cited, xxiv, 103.
 comparative effectiveness of winter and summer treatment for, xxiv, 116.
 effect of infestation by, on trees, xxiv, 102.
 of summer spraying of trees for, xxiv, 108, 110.
 food plants of, xxiv, 103, 116.
 hatching period of, xxiv, 106.
 history of, in Illinois since 1867, xxiv, 100-102.
 Illinois counties reported as infested by, in 1905, xxiv, 102, 116.
 in Illinois, xxiv, 100-117.
 infestation by, in Chicago and certain suburbs, xxiv, 100, 103, 115.
 injury to trees when spraying for, xxiv, 112-114.
 insect enemies of, xxiv, 100, 102, 114-115, 117.
 kerosene emulsion for, xxiv, 106-114, 116.
 life history of, xxiv, 104-105, 116.

Cottony Maple Scale—*Continued.*

- periodicity of injuries by, xxiv, 100, 115.
 protection of roots of trees treated with kerosene emulsion for, xxiv, 113, 116.
 summary concerning, xxiv, 115-117.
 summer insecticide measures against, xxiv, 106-110.
 table giving data and results of experimental spraying for, xxiv, 109.
 test of death of, xxiv, 107.
 whale-oil soap solution for, xxiv, 108, 109, 110.
 winter insecticide measures against, xxiv, 110-112.
 (See also Maple or Soft Maple Bark-louse; and Maple, Woolly Bark-louse.)
 Cow-pea as food plant of *Colaspis brunnea*, xxii, 148.
 of Ear-worm, xxiii, 67.
 of Grass-worm, xxiii, 82.
 immune from Chinch-bug injury, xxiii, 59.
 injured by Smaller Corn Stalk-borer, xxiii, 95.
 by *Thyanta perditor*, xxiii, 117.
 Cowslip infested by Tarnished Plant-bug, xiv, 80.
 Crab-apple, cultivated and wild, as food plant of Leaf-crumpler, xv, 67, 69, 73.
 of San Jose Scale, xx, 1; xxii, 13.
 Sweet-scented, Apple *Tischeria* bred from, xv, 46.
 Wild, *Paria aterrima* and *P. sexnotata* abundant on, xiii, 161, 169.
 Crab-grass as food plant of Corn Root-aphis, xviii, 61.
 of Garden Web-worm, xxiii, 90.
 eggs of meadow grasshoppers in stems of, xxiii, 146.
 infested by Woolly Grass Root-louse, xviii, 105.
 Craig, John, xxiv, 44, 46.
 Crambus, xxiii, 10, 16, 36-44.
 adult, xxiii, 155.
 caliginosellus, xxiii, 42, 153, 155.
 camurellus injurious to lawns, xviii, XI.
 descriptive distinctions between species of, xxiii, 149-155.
 exciccatus, xvi, IX.
 fuscicostellus, xvi, IX.
 gasoline blast-lamp used against, xxiv, 51.
 hortuellus, xxiii, 42, 43.

Crambus—Continued.

- larva, characters of, xxiii, 150-154.
 luteolellus, xxiii, 153, 154, 230.
 bred from and injurious to Corn,
 xxiii, 38, 40, 41.
 distribution of, xxiii, 42.
 life history of, xxiii, 42, 43.
 synonyms of, xxiii, 42, 153, 155.
 Tobacco injured by, xxiii, 42.
 mutabilis, xxiii, 152, 154.
 bred from and injurious to Corn,
 xxiii, 39, 40, 41.
 distribution of, xxiii, 42.
 life history of, xxiii, 43.
 number of species of, in the United
 States, xxiii, 42.
 pupa, xxiii, 154.
 ruricollellus, xxiii, 153, 154.
 species of, noticeably injurious to
 Corn, xxiii, 42.
 trisectus, xxiii, 153, 154.
 bred from Corn, xxiii, 41.
 distribution of, xxiii, 42.
 injuries by, xxiii, 39, 40.
 life history of, xxiii, 42, 43.
 Vagabond, xxiii, 230. See also C.
 vulgivagellus.
 vulgivagellus, xxiii, 153, 154, 230.
 bred from Corn, xxiii, 41.
 distribution of, xxiii, 42.
 injury to Corn by, xxiii, 39.
 life history of, xxiii, 42, 43.
 Wheat and Rye injured by, xxiii,
 41, 42.
 zeellus, xiv, 12-17; Misc. Ess., 87;
 xvi, IX; xxiii, 38, 42, 153, 155.
- Cranberries injured by *Scudderia tex-*
ensis, xxiii, 143.
 Cranberry as food plant of Army-worm,
 xxiii, 49.
 of Zebra-caterpillar, xxi, 153.
 bred on and injured by Lesser Apple
 Leaf-roller, xv, 79.
 injured by *Crambus hortuellus*, xxiii,
 42.
 by Red-banded Leaf-roller, xiv, 20;
 xxiii, 175.
 -worm, Yellow, xv, 78. See Apple
 Leaf-roller, Lesser.
- Crandall, C. S., xxiv, 80.
 Craneflies, xvi, 78.
 injury to Corn by larvæ of, xxiii, 9.
 crassissima, *Lachnosterna*, xvii, 47, 49;
 xviii, 139, 142.
 cratagella, *Lithocolletis*, xv, 52.
Cratægus as food plant of San Jose
 Scale, xx, 1.
 injured by Canker-worm, xxii, 144.
 spp., Apple *Tischeria* bred from, xv,
 46.
- Cremastochilus knochii* on fallen ears
 of Corn, xxiii, 183.
- Cremastus* sp. as parasite of Lesser
 Apple Leaf-roller, xv, 84.
crenicollis, *Disonycha*, xxi, 114, 115.
crenistratus, *Platynus*, xxiii, 177.
crenulata, *Lachnosterna*, xvii, 47, 51;
 xviii, 116, 140, 144; xxiv, 154, 163.
Crepidodera atriventris on Sugar-beet
 and Buckwheat, xxi, 114, 117.
 cucumeris, injuries by, xiv, 98, 117.
 fuscula, xiii, 62, 86 (Addenda I).
 helxines, injuries to various trees by,
 xiv, 98, 117.
 crepuscularia, *Cymatophora*, xiv, 72.
 cribulosus, *Melanotus*, Misc. Ess., 17,
 97; xviii, 9, 21, 32, 42, 55; xxi, 162.
 Cricket family, xxiii, 213-222.
 Great Plains, xxiii, 148-149, 229.
 Snowy, egg-punctures by, xxiii, 216.
 Striped, xxiii, 214-215.
 Western, Misc. Ess., 118.
- Crickets, black or white, xxiii, 227.
 climbing, xxiii, 13, 213, 215, 216. See
 also Tree-crickets.
 common, xxiii, 13, 213.
 infection experiments with, xiv, 35,
 54.
 white, xxiii, 215. See also Tree-
 crickets.
- Criddle mixture for destruction of grass-
 hoppers, xxiii, 14, 65.
 formula for, xxiii, 65.
- crispus*, *Rumex*, xvii, 67; xviii, 61, 74.
crocataria, *Angerona*, xiii, 61, 80.
Crocota rosa, xxiii, 71.
Crœsia? fulvoroœana, xiv, 17.
gallivorana, xiv, 17.
sulfureana, xiv, 17.
virginiana, xiv, 17.
- Crow as enemy of wireworms, xviii, 48.
 -blackbird, White-grubs eaten by,
 xviii, 123, 124.
- Crown-borer, Strawberry, xiii, 61, 62,
 142, 151, 176. See under Strawberry.
- Crown-gall, xxii, 99, 103.
 appearance of, in winter, xxii, 104.
 description of, and nature of disease,
 xxii, 100, 110.
 fruits affected by, xxii, 100, 111.
 protection against, xxii, 111.
- Crown-girdler, Strawberry, xxiii, 192-
 193.
- Crown-miner, Strawberry, xiii, 62, 141.
 calendar of, xiii, 179.
- Crows, abundance of, on plowed ground,
 xxiv, 157.
 and blackbirds as enemies of White-
 grubs and May-beetles, xxiv, 156-
 157.
- Cruciferae*, *Agallia 4-punctata* on, xxi,
 68.
- Cabbage Flea-beetle destructive to,
 xxi, 123.

Cruciferae—Continued.

- Imported Garden Web-worm destructive to, xxi, 106, 111.
 infested by Western Cabbage-Flea-beetle, xxi, 123.
- crus-galli, Panicum, xvi, 52; xviii, 100; xxiii, 192.
- Cryptides, xiv, 94.
- Cryptohypnus, xviii, 32.
- Cucumber Aphis, xxi, 81.
 as food plant of Army-worm, xxiii, 49.
 of Common Striped Cutworm, xxiii, 34.
 of Cotton Cutworm, xxiii, 80.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xxiii, 82.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 of Melon Aphis, xxi, 81.
 of Striped Cucumber-beetle, xxi, 126.
- beetle, Common, xxi, 115. See also Cucumber-beetle, Striped, and Diabrotica vittata.
- Striped, xxi, 115, 126-127; xxiii, 187, 188, 231.
- beetles, xxi, 119.
 character of injury by, xxi, 113.
- Cicadula 6-notata on, xxi, 77.
 destroyed by Grass-worm, xiv, 62.
 infested by Common Red Spider, xxi, 59.
 by Rhubarb Flea-beetle, xxi, 124.
 injuries to, by adult of Southern Corn Root-worm, xviii, 148.
 by Tarnished Plant-bug, xiii, 122.
- vines infested by adult Northern Corn Root-worm, xviii, 158.
- Wild, Acanthocerus galeator on, xxi, 97.
 infested by Soft Maple Bark-louse, xiv, 104.
- Cucumbers as food of thousand-legged worms, xxiii, 222.
 destroyed by Pale-striped Flea-beetle, xxiii, 108.
- cucumeris, Aphis, xxi, 81.
 Crepidodera, xiv, 98, 117.
 Epitrix, xxi, 117; xxiii, 190.
- Cuina arundinacea, eggs of meadow grasshoppers in stems of, xxiii, 146.
- Curculio, Plum and Peach, experiments with the arsenical poisons for the, xvii, 21-25.
 feeding experiments with, xvii, 21.
- Curculionidæ as strawberry insects, xiii, 60.
- Curculios, rhubarb and dock, xxiii, 114-115. See Lixus.

- Currant and Gooseberry Leaf-roller, description of, xiv, 118.
 as food plant of Horned Spanworm, xiii, 79.
 of Yellow Bear, xxiii, 74.
 of Yellow-headed Cutworm, xxiii, 21.
 of Zebra-caterpillar, xxi, 153.
- Black, infested by San Jose Scale, xx, 6.
 buds and leaves eaten by W-marked Cutworm, xxiii, 31.
 Cherry, xx, 10.
 eaten by Dark-sided Cutworm, xxiii, 33.
- Flowering, as food plant of San Jose Scale, xx, 1; xxi, 13.
- infested by Raspberry Measuring-worm, Misc. Ess., 129.
 by San Jose Scale, xx, 1, 11; xxi, 3, 4, 13, 20, 21.
 by Stalk-borer, xxiii, 46.
 by Tarnished Plant-bug, xiv, 80.
 by Typhlocyba rosæ, xxi, 78.
- injured by Eccopsis exoletum, xiv, 118.
 by Four-lined Leaf-bug, xxiii, 200.
 by Green Apple Leaf-hopper, xiv, 117.
 by millipede, xiii, 140.
 by Putnam Scale, xxii, 115.
- Red Dutch, infested by San Jose Scale, xx, 10.
- stems burrowed by Parajulus venustus, xxiii, 223.
- Three-banded Leaf-hopper abundant on, xiv, 115.
- White, infested by San Jose Scale, xx, 6.
- Currants, xxi, 3.
- curtipennis, Graphops, xiii, Addenda I.
 Stenobothris, xxi, 130, 131.
- Curtis, John, xiii, 140; xix, 22.
- custator, Thyanta, xxiii, 117, 196.
- Cutworm, Army, or Western Army, as beet insect, xxi, 51, 102-103.
 Bristly, xxiii, 35, 232.
 life history and description of, xvi, 95-96.
- Bronzed, or Bronze, Misc. Ess., 75; xvi, 85; xxiii, 29-31.
- Chocolate-striped, description of, xvi, 87.
 on life history of, xvi, 88.
- Clay-backed, xvi, IX, 89-93; xxiii, 28, 232.
 crops destroyed by, xvi, 84, 85, 90, 91, 92.
 description of, xvi, 92.
 habits and life history of, xvi, 90-92.
 parasites of, xvi, 93.

Cutworm—*Continued.*

- Common Striped, xxiii, 34, 232. See also Cutworm, Striped.
- Cotton, xxi, 146, 148-149; xxiii, 79-81, 230.
- Dark-sided, Misc. Ess., 69; xxi, 56, 102; xxiii, 32-33, 232.
- Dingy, Misc. Ess., 67; xxiii, 26-28, 232.
description of, xvi, 88.
principal injuries by, and various food plants of, xvi, 88.
- Glassy, Misc. Ess., 73; xvi, 96; xxiii, 19-20, 31, 231.
- Granulated, xxiii, 32, 232.
- Greasy, or Black, Misc. Ess., 71; xvi, 93; xxi, 102, 104; xxiii, 21-23, 27, 232.
- Pink-backed, in meadows and lately plowed grass-lands, xvi, 94.
description of, xvi, 95.
- Red-backed, xxiii, 34, 232.
- Speckled, as a Cabbage-worm, xiv, 93-94.
description of, xiv, 93.
life history of, xiv, 94.
parasites of, xiv, 94.
(See also Cutworm, Spotted.)
- Spotted, Misc. Ess., 66; xvi, 86; xxi, 102; xxiii, 25-26, 232.
food of, xvi, 87; xxi, 103.
(See also Cutworm, Speckled.)
- Striped, or Corn, Misc. Ess., 70. See also Cutworm, Common Striped.
- Variegated, Misc. Ess., 72; xxiii, 23-25, 232.
description of, xvi, 94.
food of, xvi, 94; xxiii, 24.
on life history of, xvi, 93.
- Western Striped, Misc. Ess., 68; xxiii, 26-28, 232.
- Wheat, xiv, 56, 57. See Grass-worm.
- W-marked, Misc. Ess., 68; xvi, 85; xxiii, 31, 232.
description of, xvi, 85.
item on life history of, xvi, 86.
- Yellow-headed, Misc. Ess., 74; xvi, 97; xxiii, 21, 231.
- Cutworms, Misc. Ess., 10, 13, 64; xiv, 13, 16; xvi, IX; xvii, XV; xviii, 4, 6; xxiii, 4, 7, 11, 16, 36, 48, 95, 184.
and sod web-worms contrasted, xxiii, 36, 37.
as beet insects, xxi, 50, 51, 53, 56.
as strawberry insects, xiii, 61, 84; xvi, 84, 88.
associated with sod web-worms in injury to Corn, xxiii, 39.
breeding places of, xxi, 100.
calendar of, xiii, 179.
climbing, xxiii, 24, 27, 30, 31, 33.

Cutworms—*Continued.*

- corn, xxiii, 17-36, 226, 231-232.
disease of, xvii, XII; xx, 108.
feeding habits of, xvi, 84, 85.
general outbreak of, xvi, 84, 85.
injuries by, life histories and enemies of, and recommendations against, xxi, 100-105.
injury to Sorghum by, xiii, 40.
measures against, xiii, 85; xxi, 54, 101-102; xxiii, 18-19.
notes on, xvi, 84-97.
number of species of, taken in Corn, xxiii, 10.
- Cyclamen injured by Black Vine-weevil, xxi, 144.
- Cyclocephala, xvii, 34.
and Lachnosterna, xvii, 30-53; xviii, 109-144.
discussion of, cited, xxiii, 69.
distinctions between, xvii, 30; xviii, 121.
larvæ, infection experiments with, xviii, 134-135.
(See also White-grubs.)
food habits of adult, xxiv, 148.
genus, description of, xvii, 45; xviii, 138.
immaculata, xvii, 40, 53; xviii, 54, 110, 113, 121; xx, 34; xxiv, 137.
description of larva of, xvii, 45; xviii, 138.
eggs of, xviii, 122.
food of larva of, xviii, 115.
life history of, xvii, 40.
injurious species of, found in Illinois, xxiv, 137.
larvæ, infection experiment with, xix, 72, 78.
- Cycloneda sanguinea, xiv, 33.
- Cymatodera balteata, description of larva of, xxiv, 130.
larva of, preying upon larvæ of Elm Twig-girdler, xxiv, 128.
notes on life history and distribution of, xxiv, 129-130.
- Cymatophora crepuscularia, description of, and plants collected from, xiv, 72.
humaria, xiii, 78.
pampinaria, xiii, 61, 76-78.
- Cyperus as food plant of Southern, or Larger, Corn Root-worm, xvii, 72; xviii, 148; xxi, 126.
strigosus, xix, 86.
infested by corn bill-bugs, xxii, 12, 19.
by corn leaf-lice, xix, 86.
Sphenophorus cariosus bred from, xvi, 68.
- Cypress-vine infested by Common Red Spider, xxi, 59.

D

- Dactylis glomerata*, xvii, 62.
dactyloides, *Tripsacum*, xxiii, 92.
Dactylopius, xviii, 56, 68, 106.
 in nests of ants, xviii, 100.
solani, xxi, 161.
sorghiiellus, xviii, 53, 106-108.
 description of, xviii, 107-108.
 sp., xxi, 159, 161.
- daggyi*, *Prodenia*, xiv, 56.
- Dahlia* injured by Mealy Flata, xxi, 84.
 by Tarnished Plant-bug, xiii, 131.
 petals as food of adult Southern Corn Root-worm, xviii, 148.
 tubers as food of Muck Beetle, xxi, 165.
 subject to attack by wireworms, xviii, 30.
- Daisy* infested by Smartweed Flea-beetle, xxi, 119.
- Dalbey*, D. S., xxii, 7; xxiv, 1.
- Dalbey*, Wm. M., xxiv, 1.
- Damsel-bug* as enemy of leaf-hoppers, xxi, 63.
- Dandelion* as food plant of Cabbage Flusia, xxi, 152.
 infested by Melon Aphis, xxi, 81.
- Danville News*, report of editor of, on campaign against Chinch-bug, xx, 40-41.
- Dark-sided Cutworm*, Misc. Ess., 69; xxi, 56, 102; xxiii, 32-33, 232.
- dasycarpum*, *Acer*, xiv, 103, 109, 111.
- Datana angusi*, flacherie of, xix, 22.
contracta collected from Apple, xiv, 95.
 larvæ, infection experiments with, xix, 35, 49, 50, 81.
ministra, xvii, XIII.
 flacherie of, xix, 22.
- Datura* as food plant of Ear-worm, xxiii, 67.
 infested by Melon Aphis, xxi, 81.
- Davenport*, E., xx, 40.
- Davis*, G. C., xxi, 73, 76, 77, 106, 122; xxiii, 175.
- Davis*, J. J., xxiv, 124, 153, 158.
- Dawson*, W. N., xxiv, 128.
- De Bary*, A., xix, 20, 22.
- debilis*, *Solenopsis*, xviii, 8, 9, 53, 66, 99, 100; xxiii, 228.
- decipiens*, *Phyllotreta*, xxi, 114, 123.
- decoloratus*, *Asaphes*, xviii, 9, 30, 45, 55.
- Dehn*, Wm. M., xxiv, 92.
- Deilephila lineata*, xxi, 146, 155.
- delavarius*, *Oxyptilus*, xiv, 90, 91.
- Delphacinae* and *Jassidæ*, xxiii, 204-206.
and Jassoidea, xxi, 62-79.
 (See under Leaf-hoppers.)
- Delphax*, Corn, xxiii, 120-121.
maidis, xxiii, 120-121.
tricarinata, xxi, 67.
- Deltocephalus inimicus*, xxi, 73.
 description of, xxi, 66, 74; xxiii, 121-122.
 distribution, food plants, and life history of, xxi, 74; xxiii, 123.
 injury to leaves of Corn by, xxiii, 121.
 larva of, infested by red mites, xxi, 75.
melsheimeri, xxi, 66, 73.
nigrifrons, general description of, xxi, 66; xxiii, 122-123.
 distribution, injuries, and life history of, xxi, 75; xxiii, 123.
 injury to leaves of Corn by, xxiii, 121.
 two forms of, xxi, 75.
- dendriticum*, *Fusci cladium*, xxii, 102, 137.
- Dendrophagus globosus*, xxii, 111.
- densa*, *Isaria*, xviii, 127; xx, 101.
- denticollis*, *Myochrous*, xxiii, 103, 229.
- denticulata*, *Chaetocnema*, xxi, 114, 118; xxiii, 110.
- deplanata*, *Limnobaris*, xxiii, 193, 229.
- Deræocoris rapidus*, xiii, 10, 62, 124, 127.
- Dermestidæ* infected with *Sporotrichum*, xix, 74.
- Desmodium* as food plant of *Colaspis brunnea*, xxii, 148.
 of *Pyrrhia umbra*, xiv, 89, 90.
- destructor*, *Cecidomyia*, xiv, 38; Misc. Ess., 14; xv, 21; xvii, 54.
Isaria, xx, 101.
Nysius, xiii, 104, 105.
Semiotellus, xiv, 44, 49.
- devastator*, *Hadena*, Misc. Ess., 73. See next entry.
- devastatrix*, *Hadena*, xvi, 96; xxiii, 17, 19. See previous entry.
- Dewberry* as food plant of Apple *Tischeria*, xv, 46.
- Deyo*, E. P., and Foster, L. I., xxiv, 13.
- Dexidæ*, xvii, 52; xviii, 125.
- Diabrotica*, xxi, 113, 119; xxiii, 187-189.
atripennis, xxiii, 189, 231.
fossata, xxiii, 256.
12-punctata, xvii, XI, 71-73; xviii, 55, 146-154; xxi, 115, 125; xxiii, 8, 187.
 See Corn Root-worm, Larger; and also Southern Corn Root-worm.
 infested by *Sporotrichum globuliferum*, xix, 57.
- longicornis*, xiii, 55; xiv, 5; Misc. Ess., 19-21, 103; xv, 4; xvii, XI, 71; xviii, 55, 146, 154-165; xxi, 115, 127; xxiii, 4, 187, 188, 189, 231. See also Northern Corn Root-worm.
soror, injury to Corn by, xxiii, 188.

- Diabrotica*—*Continued*.
 Spotted, xxiii, 231.
tenella, range of, and injuries by, xxiii, 187-188.
vittata, xxi, 115, 126-127; xxiii, 188.
 infested by *Sporotrichum globuliferum*, xvii, 81.
- Diacrisia virginica*, xxiii, 72. See also under Yellow Bear.
- dianthi*, *Rhopalosiphum*, xxiii, 210.
- Diapheromera femorata*, xxiii, 212.
veliei, xxiii, 211.
velii, xxiii, 211.
- diaspidis*, *Aphelinus*, xxi, 44.
- Diaspis*, Peach, xxii, 113, 117. See under Peach *Diaspis*.
- Diastata* sp., Misc. Ess., 92; xxiii, 226.
 mining leaves of Corn, xxiii, 9, 164.
- Diatraea saccharalis*, Misc. Ess., 87; xxiii, 7, 10, 91-93, 233.
- Dichelia sulfureana*, or *sulphureana*, xiv, 17-20, 21, 74; Misc. Ess., 88; xxiii, 174.
- Dick-cissel*, xxiv, 149.
- Dicranura fieberi*, xxi, 67, 77.
- Dicranotropis* sp. taken on Corn, xxiii, 204.
- Dichromorpha viridis*, xxiii, 212, 229.
- Diedrocephala*, characterization of, xxi, 64.
coccinea, xxi, 71.
mollipes, xxi, 66, 71-72; xxiii, 205.
versuta, xxi, 66, 71.
- differentialis*, *Melanoplus*, xxi, 130, 132; xxiii, 67, 136.
Pezotettix, xiv, 23 (See Errata, 136); Misc. Ess., 48; xv, 40; xvi, XII; xix, 59.
- Digger-wasps as parasites, xxiv, 157, 158.
- dimidiatus*, *Carpophilus*, xxiii, 181.
- Dingy Cutworm, Misc. Ess., 67; xvi, 88; xxiii, 26-28, 232.
- diospyri*, *Trioza*, xiv, 99.
- Diptera, injuries to Corn by, xxiii, 9, 161-166.
 larvæ and pupæ of, found among egg-masses of grasshoppers, Misc. Ess., 53, 54.
 parasitic, Misc. Ess., 52; xv, 44; xvii, 44; xviii, 47, 124, 125, 151; xix, 76, 77; xxi, 101, 107, 109, 111, 112, 117; xxiii, 22, 47; xxiv, 162, 163.
- Dipteron as strawberry insect, xiii, 60, 61, 62.
- Dipterous larva injuring Celery, Misc. Ess., 128.
 description of, and of mature insect, Misc. Ess., 128.
 parasites of Greasy Cutworm, xxiii, 22.
 of Stalk-borer, xxiii, 47.
- Disease, bacterial, of Chinch-bug, cultures of, xvi, 47; xvii, 75, 77.
 of Corn, xviii, 52.
 of Larger Corn Root-worm, xvii, 71-73.
 of White-grubs, xvii, 45.
 in the Chinch-bug, contagious, xix, 16-176. See also under Chinch-bug, *Sporotrichum globuliferum*, *Botrytis tenella*, and *Isaria leprosa*.
 character of work on, in Illinois in 1891-94, xix, 25.
 number and nature of experiments with, xix, 27.
 results and economic value of work on, xix, 27, 92-96.
 spontaneous occurrence of, xix, 25, 100.
- of Apple and Walnut caterpillars, xix, 22.
- of Army-worm, xix, 76; xx, 106-109; xxiii, 51.
- of Bronze Cutworm, xxiii, 30.
- of cabbage-worms, xiii, 10, 11; xiv, 6; Misc. Ess., 6-9, 128; xv, 1; xix, 46; xx, 107.
- of Corn Root-aphis, xviii, 74.
- of cutworms, xvii, XII; xx, 108.
- of *Dræculacephala mollipes*, xxiii, 205.
- of Hedgehog Caterpillar, xxi, 158.
- Diseases due to Phytopti, treatment for, xiv, 85, 86.
 fungous, xiii, 170; xviii, 126.
 of the San Jose Scale, xx, 22.
- of Chinch-bug, xvi, 2, 45, 56; xvii, IX, 74-84; xx, 46, 47, 48, 49, 51, 52, 53.
 recent history of, xvii, 75-84.
 literature on, xvii, 84-87.
- of European, or Imported, Cabbage-worm, xiii, 10, 11; xiv, 6; Misc. Ess., 6-9, 128; xv, 1.
- of Forest Tent-caterpillar, xiii, 10; xiv, 7.
- of Honey-bee, xix, 19.
- of insects, xiii, 10; xix, 18.
 bacterial, xix, 19.
 beginnings of knowledge of, and progress of investigation, xix, 19.
 the subject of, in America, xix, 20-25.
- of Silkworm, xiv, 7; xix, 19.
 of white ants, xix, 198.
- of White-grubs, xxiv, 136.
- disjuncta*, *Macrophthalma*, xxiv, 160.
- Disonycha*, xix, 35.
cervicalis, xxi, 117.
collaris, xxi, 116.

- Disonycha—*Continued*.
 crenicollis, xxi, 114, 115.
 pennsylvanica, xix, 30, 33, 40, 41.
 infested by *Sporotrichum globuliferum*, xvii, 79, 81, 82; xix, 29, 40.
 injurious to apples, xviii, XI.
 triangularis, xxi, 114, 115.
 xanthomelæna, xxi, 116, 117.
 dispar, Porthetria, xxiii, 87.
 Dissosteira carolina, xxi, 130, 131.
 longipennis, xxiii, 213, 229.
 distinguenda, Melanophthalma, xxiii, 182.
 diversifrons, Parajulus, xxiii, 223.
 diversilineata, Pterophora, xiv, 83.
 Dixon, J. N., Misc. Ess., 27; xv, 60.
 Doane, R. W., xxi, 57, 102, 159.
 Dock and rhubarb curculios, xxiii, 114–115.
 as breeding plant of *Lixus concavus*, xxiii, 115.
 as food plant of *Apantesis arge*, xxiii, 75.
 of Cabbage Plusia, xxi, 152.
 of *Colaspis brunnea*, xxii, 148.
 of Smartweed Flea-beetle, xxi, 119; xxiii, 191.
 False Chinch-bug under leaves of, xxi, 96.
 infested by Corn Root-aphis, xvii, 67; xviii, 61, 74.
 by Melon Aphis, xxi, 81.
 leaves riddled by Four-lined Leaf-bug, xxiii, 200.
 Dodge, J. R., xvi, 1.
 Döbner, E. Ph., xvii, 6.
 Doerr, A. T., xxiv, 11.
 Dogbane as food plant of Garden Web-worm, xxiii, 90.
 Dog-fennel, *Cicadula 6-notata* on, xxi, 77.
 Dogwood, xxiv, 121.
 as food plant of *Schizoneura corni*, in alternation with grasses, xviii, 57, 86, 89.
 Cottony Maple Scale on, xxiv, 103.
 European, Melon Aphis on, xxi, 81.
 flamed with gasoline blast-lamp to destroy San Jose Scale, xxiv, 46.
 Dolerus arvensis and *D. bicolor*, xiv, 100–102.
 larvæ, infection experiment with, xix, 52.
 Dolichopodidæ, adult of the, infected with *Sporotrichum globuliferum*, xvii, 83; xix, 52.
 Dolopius, xviii, 31.
 Doran, E. W., Misc. Ess., 6; xv, 2, 72.
 Dor-bugs, xviii, 110; xx, 33.
 dorsalis, *Ceratomyza*, xxiii, 9, 165, 226.
 Odontocera, xxiii, 165.
 Doryphora, infection experiment with, xix, 35.
 Downy Flea-beetle, xiii, 62.
 calendar of, xiii, 179.
 Dræculacephala mollipes, xxiii, 205.
 Drasterius, xviii, 31.
 elegans, xviii, 8, 29, 34–36, 54; xxi, 162.
 description of, xviii, 35.
 place of hibernation of, xviii, 35.
 Drosophila ampelophila, xiv, 83.
 dubia, Lachnosterna, xvii, 47, 50; xviii, 139; xxiv, 139, 141, 151.
 Tenebrioides, Misc. Ess., 94.
 corticalis, xxiii, 182.
 Ducks, White-grubs eaten by, xviii, 124.
 Duggar, B. M., xx, V, 26.
 dumetorum, Polygonum, xvi, 50, 56.
 Dung-beetles, xxiii, 227.
 injurious to Corn kernel, xxiii, 12.
 12-punctata, Diabrotica, xvii, XI, 71; xviii, 55, 146, 157; xxi, 115, 125; xxiii, 8, 69, 187.
 Dury, Charles, xvi, 59.
 Dusky Leaf-bug, xxi, 92; xxiii, 199, 233.
 Plant-bug as strawberry insect, xiii, 10, 61, 62, 124, 127, 135–138.
 calendar of, xiii, 179.
 description of, xiii, 136–138.
 distribution of, xiii, 135.
 life history of, xiii, 138.
 preventive measures and remedy for, xiii, 138.
 synonymy of, xiii, 136.
- E**
- Earle, F. S., xiii, 87, 123, 162, 170; xiv, 80; xxiii, 115.
 Ear-worm, *Ancyrophorus planus* feeding in burrows of, xxiii, 180.
 or Corn-worm, xxiii, 67–68, 158, 186, 226. See also under Corn-worm.
 Earthworm, Misc. Ess., 25.
 Lasius alienus feeding on, xxiv, 26.
 Eccopsis exoletum, description of, xiv, 118.
 permundana, xiii, 61, 111–112.
 Eccritotarsus elegans, xxi, 87, 90.
 Echinogynchus gigas as parasite of pigs and White-grubs, xxiv, 167.
 Edema albifrons defoliating Oak and Hickory, xviii, X.
 Edwards, Henry, xxiii, 86.
 Eggplant as food of Garden Web-worm, xxiii, 90.
 of Potato Flea-beetle, xxi, 117.
 infested by Common Red Spider, xxi, 59.
 injured by *Crepidodera cucumeris*, xiv, 117.

Eggplant injured—*Continued.*

- by Garden Flea-hopper, xxi, 88.
 by Fale-striped Flea-beetle, xxi, 121.
 Eggs of *Acanthocerus galeator*, xxi, 97.
 of *Adialytus maidaphidis*, xiv, 30, 31.
 of *Agallia 4-punctata*, xxi, 68.
 of *Agallia sanguinolenta*, xxi, 70.
 of *Agonoderus pallipes*, xviii, 13.
 of *Apantesis phalerata*, xxiii, 77.
 of aphids, xviii, 89.
 of *Aphis atriplicis*, xxi, 82.
 of *Aphis middletonii*, xxi, 161.
 of Apple-aphis, xvii, 68.
 of Apple Leaf-hopper, Green, Misc. Ess., 24.
 of Apple Leaf-roller, Lesser, xiv, 97; xv, 76, 77, 80, 82, 84.
 of Apple Leaf-skeletonizer, xiv, 97; xv, 63.
 of Apple-louse, xviii, 57.
 of Army-worm, xxi, 147; xxiii, 50, 51.
 of Bagworm, xxii, 102, 103, 135, 136.
 of bees, xxi, 138.
 of Beet Army-worm, xxi, 150.
 of Beet Carrion-beetle, xxi, 137.
 of beet leaf-miners, xxi, 60, 61.
 of Beet Web-worm, xxi, 110.
 of Black-headed Grass-maggot, xviii, 19.
 of Black Vine-weevil, xxi, 144.
 of Black-winged Grasshopper, xxi, 132.
 of blister-beetles, xxi, 138.
 of Bronze Cutworm, xxiii, 31.
 of burrowing web-worms, xxiii, 97, 98.
 of Cabbage Plusia, xxi, 152.
 of Canker-worm, xxii, 139, 140.
 of Carrot-beetle, xxiii, 99.
 of Celery Plusia, xxi, 153.
 of *Ceresa taurina*, xxiii, 204.
 of *Chaetocnema denticulata*, xxi, 118.
 of Chinch-bug, xiv, 4, 5; xv, 93, 94; xvi, 52, 57; xix, 94, 110, 125, 126, 128, 179-182; xx, 52; xxiii, 59, 60, 61.
 of *Cidadula 6-notata*, xxi, 77.
 of Clay-backed Cutworm, xvi, 91, 92; xxiii, 29.
 of Clear-winged Grasshopper, xxiii, 140.
 of Codling-moth, Misc. Ess., 28; xv, 14.
 of *Colaspis brunnea*, xiii, 158, 168, 171, 175, 177; xxii, 148, 149; xxiii, 106.
 of Common Garden Web-worm, xxi, 108.
 of Common Gray Blister-beetle, xxi, 139.

Eggs—*Continued.*

- of Common Grub-Wasp, xxiv, 157, 158, 159, 160.
 of common leaf-hoppers, xxiii, 123.
 of Common Red-legged Grasshopper, xxi, 134.
 of corn bill-bugs, xvi, 59, 63, 68; xxiii, 57.
 of Corn Delphax, xxiii, 121.
 of Corn-feeding Syrphus-fly, xxiii, 163.
 of Corn Leaf-aphis, xxiii, 9.
 of Corn Plant-louse, xiv, 24, 27; Misc. Ess., 47; xv, 6.
 of Corn Root-aphis, xvii, 64, 65, 66, 67, 69, 70; xviii, 60, 62, 63, 65, 66, 67, 68, 69, 70, 79; xxiii, 9; xxiv, 8, 14, 16, 20, 21, 22, 24, 25.
 of corn root-worms, xiii, 56; Misc. Ess., 20; xv, 5; xvii, XI; xviii, 149, 150, 152, 156, 158, 159, 160, 161, 162, 165.
 of Cotton Boll-worm, xxi, 86.
 of Cotton Cutworm, xxiii, 80.
 of Cottony Maple Scale. See Eggs of Soft Maple Bark-louse.
 of *Crambus hortuellus*, xxiii, 43.
 of *Crambus trisectus*, xxiii, 42.
 of *Crambus vulgivagellus*, xxiii, 43.
 of crickets, xxiii, 214, 215, 216.
 of cutworms, xxi, 100; xxiii, 18.
 of *Deltocephalus inimicus*, xxi, 74; xxiii, 123.
 of *Deltocephalus melsheimeri*, xxi, 73.
 of *Deltocephalus nigrifrons*, xxi, 75.
 of *Dicraneura fieberi*, xxi, 77.
 of *Dicrocephala mollipes*, xxi, 72.
 See also Eggs of *Draculacephala mollipes*.
 of Dingy Cutworm, xxiii, 27.
 of *Draculacephala mollipes*, xxiii, 205.
 See also Eggs of *Dicrocephala mollipes*.
 of Dusky Leaf-bug, xxi, 89.
 of Ear-worm, xxiii, 68.
 of Elm Bark-louse, xiv, 115.
 of Elm Twig-girdler, xxix, 118, 119, 120, 121, 122, 123, 124, 126, 127.
 of *Empoasca mali*, xxi, 78, 79.
 of *Epicaerus imbricatus*, Misc. Ess., 21.
 of *Euphoria inda*, xxiii, 101.
 of European Beet-Tortoise-beetle, xxi, 124.
 of European Grain-louse, xxiii, 206.
 of *Euschistus variolarius*, xxiii, 196.
 of *Exorista infesta*, xiv, 65.
 of False Chinch-bug, xxi, 96; xxiii, 118.
 of Flatas, xxiii, 203, 204.
 of Forest Tent-caterpillar, xiii, 10.

Eggs—Continued.

- of Four-lined Leaf-bug, xxiii, 200.
- of Fruit Bark-beetle, xvii, 3, 6, 11.
- of Garden Flea-hopper, xxi, 89.
- of *Geoca squamosa*, xviii, 101.
- of Glassy Cutworm, xvi, 96; xxiii, 20.
- of Goldsmith-beetle, xiii, 147, 148.
- of Granulated Cutworm, xxiii, 32.
- of grape leaf-hoppers, xxi, 79.
- of Grape Scale, xxii, 120.
- of Grape-vine Colaspis, xxi, 125.
- of Grass-worm, xiv, 57, 62, 63, 66; xxiii, 82, 83.
- of grasshoppers, Misc. Ess., 19, 51, 52, 53, 54, 55, 56; xv, 4, 40, 41, 43, 44; xvi, 87; xxi, 52, 129, 138; xxiii, 13, 111, 138, 143.
- of Greasy Cutworm, xxi, 104; xxiii, 22, 23.
- of Great Plains Cricket, xxiii, 149.
- of Green and Mealy Flatas, xxi, 84.
- of Green June-beetles, xxiii, 103.
- of Green Strawberry Spanworm, xiii, 81.
- of ground-beetles, xxiii, 178.
- of *Gypona 8-lineata*, xxi, 72.
- of Gypsy-moth, xxiii, 88, 89.
- of *Hadena lignicolor*, xxiii, 31.
- of Hessian Fly, xiv, 39, 43; Misc. Ess., 14, 15; xv, 21, 22, 23, 24, 25, 26, 27, 29, 30; xvii, 54, 56, 59, 60, 63.
- of Imbricated Snout-beetle, xxi, 144; xxiii, 114.
- of Imported Garden Web-worm, xxi, 112.
- of Iulidæ, xiii, 141.
- of katydids, xxiii, 143.
- of lace-wing flies, xiii, 45.
- of Larger Corn Stalk-borer, xxiii, 92-93.
- of Larger Meadow Grasshopper, xxi, 135.
- of *Lasius niger*, xviii, 83, 84.
- of leaf-beetles, xxi, 114.
- of leaf-footed plant-bugs, xxiii, 198.
- of leaf-hoppers, xxi, 63.
- of Little Negro-bug, xxiii, 116.
- of *Lixus concavus*, xxiii, 115.
- of locusts, xviii, 114.
- of Lubber Grasshopper, xxi, 133.
- of Mason-bee, xiii, 71.
- of meadow-grasshoppers, xxiii, 145, 146, 148.
- of meadow-maggots, xxiii, 10.
- of *Melanoplus atlanis*, xxi, 134.
- of Melon Aphis, xxi, 81, 82.
- of *Monoxia puncticollis*, xxi, 128.
- of myriapods, xxiii, 222.
- of *Myrmica scabrinodis lobicornis*, xviii, 12.

Eggs—Continued.

- of *Oncometopia* undata, xxi, 71.
- of Oyster-shell Scale, xxii, 119.
- of Pale-striped Flea-beetle, xxi, 122; xxiii, 108.
- of parasites of Hessian Fly, xiv, 50.
- of *Paria aterrima*, xiii, 162, 163, 168, 171, 175, 176.
- of Peach Diaspis, xxii, 117.
- of Peach-tree Borer, xxii, 122, 124.
- of *Pegomyia vicina*, description of, xxi, 61.
- of *Phlepsius irroratus*, xxi, 76; xxiii, 206.
- of *Plagiognathus obscurus*, xxiii, 201.
- of plant-lice, xiii, 104; xiv, 29; xviii, 57; xxi, 81; xxii, 103, 104, 128, 129.
- of Plum-borer, American, xvii, 27.
- of Potato Flea-beetle, xxi, 117.
- of *Pseudanaphora arcanella*, xxiii, 97.
- of Purslane-caterpillar, xxi, 155.
- of red spiders, xxiii, 224.
- of Rocky Mountain Grasshopper, xxi, 142.
- of Root Web-worm, Misc. Ess., 12.
- of Rose, or Raspberry, Scale, xxii, 121.
- of Saddle-back Caterpillar, xxiii, 173.
- of scale insects, xxii, 100, 104, 112, 113.
- of *Scelodonta pubescens*, xiii, 166, 168, 171, 175, 176.
- of *Schistocerca americana*, xxiii, 141.
- of Scurfy Scale, xxii, 118.
- of Short-winged Grasshopper, xxiii, 212.
- of Smartweed Flea-beetle, xxi, 119.
- of sod web-worms, xxiii, 42, 43, 44.
- of Soft Maple, or Woolly Maple, Bark-louse, or Cottony Maple Scale, xiv, 103, 104, 108; Misc. Ess., 25; xxiv, 104, 106.
- of Sorghum Mealy Bug, xviii, 107, 108.
- of Southern Grain-louse, xxiii, 135.
- of *Sphenophorus cariosus*, xxii, 19, 68.
- of *Sphenophorus ochreus*, xxii, 10, 11, 12, 13, 15, 16, 17.
- of *Sphenophorus parvulus*, xxii, 5, 6.
- of *Sphenophorus pertinax*, xxii, 18.
- of Spotted Cutworm, xxiii, 26.
- of Spotted Willow-beetle, xxiii, 187.
- of Stalk-borer, xxiii, 45, 46, 47.
- of Stalk-maggot, xxiii, 165.
- of Strawberry False Worm, or Strawberry-slug, xiii, 73, 75; xiv, 78.
- of strawberry insects, xiii, 179.
- of Strawberry Leaf-roller, Common, xiii, 91.
- of Striped Blister-beetle, xxi, 140.
- of Sugar-cane Beetle, xxiii, 99.

Eggs—Continued.

- of Sweet-Potato Flea-beetle, xxiii, 111.
- of *Systema*, xxi, 114.
- of Tachina flies, xxi, 101.
- of Tarnished Plant-bug, xiii, 123, 134; xiv, 79; xxi, 91; xxiii, 120.
- of Tent-caterpillar, xxii, 134, 135.
- of Thripidae, xxiii, 136.
- of *Tipula bicornis*, xvi, 82.
- of *Tipula costalis*, xxiii, 162.
- of Toothed Flea-beetle, xxiii, 110.
- of tree-cricket, xxiii, 145, 215, 216.
- of Tussock-moth, xxii, 102, 103, 136, 137.
- of two-striped Grasshopper, xxi, 133.
- of Variegated Cutworm, xvi, 93; xxiii, 24, 25.
- of Vine-loving Fruit-fly, xiv, 84.
- of web-worms, xxi, 106.
- of Western Green Stink-bug, xxi, 99; xxiii, 117.
- of Wheat Bulb-worm, xiii, 18, 21, 22, 28, 29; xv, 35, 36, 37.
- of Wheat-head Army-worm, xxiii, 84.
- of Wheat-midge, xiv, 51, 53.
- of Wheat Straw-worm, xiii, 31, 35, 37; xiv, 36.
- of White-grubs, xvii, 38-39, 41, 42, 52; xviii, 109, 110, 118-119, 122, 127, 128; xx, 32, 33, 34; xxi, 164; xxiv, 137, 138, 139, 146, 150, 152, 153, 154, 167.
- of wireworms, xviii, 30, 36; xxi, 163.
- of Woolly Aphis, xxii, 99.
- of Yellow-Black Flea-beetle, xxi, 116.
- of Yellow Grasshopper, xxi, 131.
- of Yellow-headed Cutworm, xxiii, 21.
- of Yellow Jumping Pear-louse, xiv, 100.
- of Zebra-caterpillar, xxi, 154.
- Egyptian insecticide for Chinch-bug, xiv, 42.
- Eichoff, W., xvii, 6.
- Elaptes aleurodis bred from *Aleurodes aceris*; description, xiv, 110.
- Elasmodiplosis lignosellus, xxiii, 7, 10, 94-95. See also Stalk-borer. Smaller Corn.
- Elasmus pullatus, xv, 50.
- Elater, xviii, 31, 32.
- Elateridae, xiii, 60, 62, 143; Misc. Ess., 17; xviii, 28-51; xxi, 161-163; xxiii, 186. See also Wireworms.
- larvæ, xviii, 31.
- as food of birds, xviii, 47.
- Elaterini, xviii, 31.
- Elder bushes, injuries to, by Spindle-worm, xxiii, 85.
- twigs, eggs of Larger Meadow Grass-

- elegans, *Drasterius*, xviii, 8, 29, 34, 54; xxi, 162.
- Eccritotarsus, xxi, 87, 90.
- Elm, American, infested by Soft Maple Bark-louse, xiv, 104. See also Elm, White.
- or White, injury to, by Elm Twig-girdler, xxiv, 118-121.
- as food plant of *Apantesis phalerata*, xxiii, 76.
- of May-beetles, xviii, 114; xxiv, 143, 144, 145.
- of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
- of Smartweed Caterpillar, xxiii, 170.
- Bark-louse, description of scale and egg of, xiv, 115.
- infesting White Elm, xiv, 115.
- borer, xiv, 112-114.
- description of larval and adult stages of, xiv, 113-114.
- life history and parasites of, xiv, 113.
- Cicadula 6-notata* on, xxi, 77.
- Dicraneura fieberi* on, xxi, 77.
- Empoasca mali* on, xxi, 78.
- flamed with gasoline blast-lamp, xxiv, 52.
- infested by *Euphoria inda*, xxiii, 101.
- by Fruit Bark-beetle, xvii, 6.
- by *Oberea* sp., xxiv, 127.
- by San Jose Scale, xx, 1, 11; xxi, 4, 13.
- injured by Canker-worm, xxii, 139-144.
- by Cottony Maple Scale, xxiv, 102, 103, 116.
- by Goldsmith-beetle, xiii, 146.
- insects injurious to the, xiv, 112-115.
- leaves as food of adults of White-grubs, xvii, 42, 43.
- nymphs of Mealy Flata on, xxi, 84.
- Plant-louse, xiv, 114.
- Red, immune from injury by Elm Twig-girdler, xxiv, 121.
- Scale, Common, winter stage of, xxii, 113.
- Twig-girdler, xxiv, 118-134.
- best time to begin to spray for, xxiv, 133.
- description of, xxiv, 133-134.
- distribution of, xxiv, 127-128.
- hibernation of, xxiv, 124.
- insectary notes on, xxiv, 124-125.
- life history and habits of, xxiv, 122-127.
- manner of feeding of adults of, xxiv, 126.

- Elm Twig-girdler—*Continued*.
 natural checks on multiplication of, xxiv, 128-131.
 nature and extent of injury by, xxiv, 120-121.
 oviposition of, xxiv, 122, 126, 127.
 period of injury by, xxiv, 121.
 protective measures against, xxiv, 131-133.
 pupation of, xxiv, 124, 125, 126.
 recognition of injury by, xxiv, 119.
 White, infested by Elm Bark-louse, xiv, 115.
 injury to, by Elm Plant-louse, xiv, 114.
 by Three-banded Leaf-hopper, xiv, 115.
 killed by Elm-borer, xiv, 112, 114.
 Elms, Lachnosterna beetles collected from, xxiv, 141.
 elymi, Isosoma, xiii, 32; xiv, 37.
 Elymus americanus, Hessian-Fly puparia on, xvii, 61.
 canadensis infested by Isosoma elymi, xiv, 37.
 emarginatum, Acridium, xxi, 132.
 Emblethis, xxi, 93.
 arenarius, xxi, 94.
 griseus, xxi, 93, 94.
 Emerton, Jas. H., Misc. Ess., 129.
 Emphytus maculatus, xiii, 61, 69, 71-76; xiv, 77-78. See Strawberry False Worm.
 Empoa, Misc. Ess., 23.
 albopicta, xiii, 181, 182; xiv, 117; Misc. Ess., 10, 23; xv, 66; xxi, 77. description of, xiii, 181.
 Empoasca, Misc. Ess., 23; xxi, 67.
 albopicta, xxi, 77.
 flavescens, xxi, 67, 78, 79.
 var. birdii, xxi, 79.
 mali, xxi, 77-79.
 color and distinctive markings of adult of, xxiii, 123.
 food plants and life history of, xxi, 78-79.
 general description of, xxi, 67, 78.
 injury to leaves of Corn by, xxiii, 121.
 on life history and distribution of, xxiii, 123.
 species likely to be confused with, xxi, 78.
 obtusa, xxi, 78.
 Empretia stimulea, Misc. Ess., 62; xxiii, 173.
 Empusa, xix, 58, 59.
 aphidis, xix, 58.
 gryllid as parasite of Diedrocephala mollipes, xxi, 72.
 infesting Chinch-bug, xvi, 45, 46.
 Endeis carnosa, xviii, 101.
 Endive as food plant of Noctua plecta, xxi, 105.
 Engerling, xviii, 110.
 English Grain-louse, xxiii, 206-207.
 Sparrow, June-beetles and their larvae eaten by, xviii, 123.
 Southern Corn Root-worm eaten by, xviii, 152.
 Walnut as food plant of San Jose Scale, xx, 1; xxi, 13.
 Entomophthora, xix, 21; xx, 50, 52, 53, 54, 58, 59, 62, 64, 67, 68, 69.
 aphidis on Chinch-bugs, xix, 23, 81, 84, 110, 138; xx, 52, 56, 57, 58, 61, 63, 65, 67, 70, 71, 91.
 infection experiment with, xix, 81.
 infesting white ants, xix, 198.
 fresenii, distribution of, xviii, 75.
 infesting Corn Root-aphis, xviii, 74.
 plant-lice, xix, 86.
 infesting or destroying Chinch-bug, xvi, 45, 48, 49, 56; xvii, 74, 76, 78; xix, 21.
 muscae, xix, 19.
 Epagoge sulfureana, xxiii, 174-175.
 ephemeriformis, Thyridopteryx, xxii, 135.
 Ephestia kuehniella in Europe and America, xix, Appendix.
 zeae, Misc. Ess., 91.
 ephilida, Lachnosterna, xvii, 47, 48; xviii, 116, 139, 141; xxiv, 153.
 Epicærus imbricatus, Misc. Ess., 108; xxi, 143-144; xxiii, 113-114.
 food of, xvi, 76.
 note on life history and habits of, Misc. Ess., 21.
 Epicauta cinerea, Misc. Ess., 19, 51; xv, 4; xxi, 138, 140.
 distinctions as to color, xxi, 138.
 (See also Blister-beetle, Ash-colored.)
 marginata, xxi, 141. See also under Epicauta cinerea and E. marginata.
 maculata, xxi, 138, 139.
 marginata, xxi, 138, 141; xxiii, 111-113.
 killed by gasoline blast-lamp, xxiv, 54.
 pennsylvanica, Misc. Ess., 19, 107; xv, 4; xxi, 138; xxiii, 111-113.
 vittata, Misc. Ess., 19, 51, 107; xv, 4; xxi, 140; xxiii, 111-113.
 infested with Sporotrichum globuliferum, xix, 140.
 var. lemniscata distinguished, xxi, 140.
 spp., Misc. Ess., 53; xv, 41.
 Eplitrix cucumeris, xxi, 117; xxiii, 190.
 Epizeuxis æmula, xxiii, 86, 226.

- Eragrostis* as food of Chinch-bug, xv, 94.
 major infested by *Emblethis griseus*, xxi, 94.
megastachya infested by *Schizoneura venusta*, xviii, 93.
Erianthus alopecuroides, *Lerema accius* recorded from, xxiii, 166.
Erigeron canadense as breeding plant of *Tortrix pallorana*, xiv, 74.
 as food and breeding plant of Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 infested by Corn Root-aphis, xvii, 67; xviii, 61.
 infested by *Aphis middletonii*, xxi, 161.
erigeronensis, *Nectarophora*, xxi, 83.
Trama, xviii, 53, 57, 93.
Eriophyes pyri, xxii, 132-134. See Pear-leaf blister.
 Errata, xxi, 175.
 error, *Platygaster*, xiv, 44; Misc. Ess., 16; xv, 4.
Erythroneura malefica, xiii, 182.
maligna, xiii, 182.
 sp. as beet insect, xxi, 78.
Estigmene acraea, xxiii, 72.
Eubaphe rosa, xxiii, 71, 230.
Eucneminae, xviii, 31.
Eudemis botrana, Misc. Ess., 128.
Euderus lividus, description of adult and pupa of, xxiv, 129.
 larva of, preying upon larvæ of Elm Twig-girdler, xxiv, 128.
eudiopta, *Prodenia*, xxiii, 79.
ornithogalli, xxiii, 80.
Eulia triferana, xxiii, 175.
Eulophus minutus as parasite of Apple *Ornix*, xv, 57.
Eumolpini defined, xiii, 153.
Eumolpus flavidus, xiii, 156.
Eupatorium infested by *Agallia 4-punctata*, xxi, 68.
purpureum as food plant of *Acutalis calva*, xxi, 80.
Eupelmus, xiii, 31, 32, 33.
allynii, xiv, 44, 49.
 as parasite of Hessian Fly, Misc. Ess., 15.
 of *Isosoma hordei*, xiv, 36.
 of Wheat Straw-worm, xiii, 34; xiv, 36.
 calendar of, xiv, 50.
 description of, xiv, 37.
 sp. as parasite of Leaf-crumpler, xv, 73.
Euphorbia, eggs of False Chinch-bug under, xxi, 96.
Euphorbia inda, Misc. Ess., 101; xxiii, 99-101, 231.
- Euphoria*—*Continued*.
melancholica, xxiii, 99-101.
sepulchralis, xxiii, 99-101.
 European Beet-Tortoise-beetle, xxi, 124-125.
 Cabbage-worm, diseases of, xiii, 10, 11. See also Cabbage-worm, European, or Imported.
 Dogwood infested by Melon Aphis, xxi, 81.
 Grain-louse, xxiii, 206, 207.
Eurycreon rantalis, xxi, 108.
eurycreontis, *Limneria*, xxi, 109.
Eurytoma funebris as parasite of Clover-seed Midge, Misc. Ess., 16; xv, 4.
Euschistus, xiii, 183; xiv, 78; xix, 75.
fissilis, xxiii, 195.
 infection experiment with, xix, 72.
 infested with *Sporotrichum globuliferum*, xix, 81.
servus, xxiii, 195.
variolarius, xxiii, 195-196.
 infested by *Sporotrichum globuliferum*, xix, 26.
Eustilbus apicalis, xxiii, 180.
Eutettix seminuda, xxi, 66, 75 (see Errata, 175).
 tenella infesting Sugar-beet, xxi, 75.
Euthoctha galeator, xxi, 97.
Euthrips nervosa and *E. tritici* on Corn, xxiii, 136.
Euxoa messoria, xxiii, 17, 32-33.
ochrogaster, xxiii, 17, 34-35.
tessellata, xxiii, 17, 34.
Euzophera, xvii, 29.
impletella, xvii, 29.
semifuneralis, xvi, IX; xvii, 26-29.
Evarthrus colossus infested by *Sporotrichum globuliferum*, xix, 26.
 Evening Primrose as food plant of *Apantesis arge*, xxiii, 75.
 of Dusky Leaf-bug, xxiii, 199.
 of *Scelodonta pubescens*, xiii, Addenda, II; xiv, 81.
 Evergreens infested by Bagworm, xxii, 102.
 liable to injury by White-grubs, xviii, 109, 114; xxiv, 166.
Everyx myron, xxiii, 167.
Exartema permundana, xiii, 111.
exitiosa, *Sannina*, xvii, 26.
Sanninoidea, xxii, 121.
exoletum, *Eccopsis*, xiv, 118.
Exoprosopa fascipennis as parasite of Common Grub-Wasp, xxiv, 160.
exoratus, *Agathis*, xxi, 109.
Exorista infesta as parasite of Grass-worm, description, xiv, 65.
phycitæ as parasite of Leaf-crumpler, xv, 70.

Exorista—Continued.

- piste as parasite of Imported Garden Web-worm, xxi, 112.
 exprimens, Chariclea, xiv, 88.
 Heliiothis, xiv, 88.
 Pyrrhia, xiv, 89.
 exsiccatu8, Crambus, xvi, IX.

F

- Fabre, J. H., xx, 104.
 Fabricius, J. C., xiii, 80.
 falicus, Ischnodemus, xix, 74, 75, 80.
 Fall Army-worm, xiv, 6, 55-67; Misc. Ess., 74; xxi, 149-150; xxiii, 81-83.
 Web-worm, infection experiments with, xix, 35, 46, 47.
 gasoline blast-lamp used against, xxiv, 51.
 False Chinch-bug, xxiii, 12, 117-118, 233.
 as strawberry insect, xiii, 62, 104-106. See also Chinch-bug, False.
 Flea-hopper, xxi, 87, 88.
 Syringa, mature egg-laying cottony maple scales on, xxiv, 103.
 Worm, Strawberry, xiii, 61, 69, 71-76, 179.
 farinalis, Asopia, Misc. Ess., 86.
 Pyralis, xviii, X.
 farinosa, Isaria, xx, 101.
 fasciatum, Xiphidium, xxiii, 147.
 fasciatus, Ips, Misc. Ess., 94; xviii, 23; xxiii, 181, 228.
 Nemobius, xxiii, 13, 214.
 fascipennis, Exoprosopa, xxiv, 160.
 Fay, W. L., xxii, 140.
 Felt, E. P., xxi, 153; xxiii, 37, 42, 149, 155, 176.
 Feltia annexa, xxiii, 17, 32.
 gladiaria, xxiii, 17, 27, 28-29.
 jaculifera, xxiii, 17, 26-28.
 subgothica, xxiii, 17, 26-28.
 femorata, Diapheromera, xxiii, 212.
 femur-rubrum, Melanopius, xxi, 130, 133; xxiii, 67, 136, 142, 219. See also next entry.
 Pezotettix, xiii, 62, 87; xiv, 23; Misc. Ess., 48, 119, 127; xv, 40; xvi, XII; xxi, 128. See also entry preceding.
 Fern injured by Black Vine-weevil, xxi, 144.
 Fernald, C. H., xiii, 87, 89, 95; xiv, 14, 15, 18, 91; xv, 63, 72, 79, 80, 82, 83; xviii, 14; xxiii, 149, 155, 175.
 ferrugalis, Phlyctænia, xxi, 105.
 Fertilizers and insecticides to support under attack of Corn Root-aphis, xviii, 75, 76.
 as defense against White-grubs, xviii, 128.

Fertilizers—Continued.

- potash, to destroy White-grubs, xviii, 132.
 to prevent injury by root-lice, xiii, 54.
 to support under attack by Chinch-bug, xv, 97, 102; xvi, 35, 55.
 by Fruit Bark-beetle, xvii, 6.
 by Northern Corn Root-worm, xviii, 162.
 ferus, Coriscus, xxi, 61, 63.
 fervens, Atta, xxiii, 159.
 Feverfew infested by Common Red Spider, xxi, 59.
 fieberi, Dicranœura, xxi, 67, 77, 78.
 Field-cricket, Common, xxiii, 214, 219.
 Pennsylvania, xxiii, 214.
 Field-cricket, xxiii, 214.
 Field Sparrow as enemy of corn bill-bugs, xvi, 71.
 Fig-eater, xiii, 149. See Allorhina nitida.
 filamentaria, Nematocampa, xiii, 61, 79.
 Finnegan, Edward, xxiv, 14.
 Fire-blight, xxii, 101, 124. See under Pear-blight.
 Fish-fungus, xix, 22.
 Fisher, A. K., xviii, 123.
 fissilis, Euschistus, xxiii, 195.
 Melanotus, xviii, 9, 29, 39, 41, 42, 47, 55.
 fistulosa, Monarda, xiv, 20; xxiii, 174.
 Fitch, Asa, xiii, 14, 16, 21, 37, 97, 105, 117, 156, 157, 169; xiv, 23, 44, 115; Misc. Ess., 18; xvi, 32, 61; xvii, 32; xviii, 30, 40, 48, 69; xxiii, 21, 34, 157.
 Flacherie, Misc. Ess., 6-9, 128; xix, 19.
 of Apple and Walnut caterpillars, xix, 22.
 of Army-worm, xix, 76.
 of Common Cabbage-worm, xix, 22.
 of Papilio asterias, xix, 76.
 flammea minor, Sphærostilbe, xx, 22.
 Sphærostilbe, xx, 22.
 Flata, Green, xxi, 83-85; xxiii, 203-204, 233.
 Mealy, xxi, 83-85; xxiii, 203, 233.
 Flatas or lantern-flies, xxi, 83-85; xxiii, 202-204, 233.
 flavedana, Platynota, xxiii, 176.
 flavescens, Empoasca, xxi, 79.
 var. birdii, Empoasca, xxi, 79.
 flavidus, Eumolpus, xiii, 156.
 flavimaculata, Laphygma, xxi, 51, 150.
 flavipes, Termes, xvi, XIII; xix, 190.
 flavus, Chaitophorus, xiii, 42, 50, 53; xiv, 70; xviii, 70; xxiii, 210.
 Lasius, xiii, 45, 48, 52; xiv, 24, 29, 70, 72; Misc. Ess., 46; xviii, 90.
 Flax as first crop to prevent injuries by bill-bugs, xvi, 71; xxii, 1.
 as food plant of Army-worm, xxiii, 49.

Flax as food plant—*Continued.*

of Common Striped Cutworm, xxiii, 34.

of Garden Web-worm, xxiii, 90.
sown on Wheat and in outer rows
of Corn to protect against Chinch-
bug injury, xv, 99.

Fleabane and other weeds infested by
Mealy Flata, xxi, 84.

flowers infested by Sulphur Leaf-
roller, xxiii, 174.

infested by *Aphis middletonii*, xxi, 161.
by Corn Root-aphis, xvii, 67; xviii, 61.
by Smartweed Flea-beetle, xxi, 119.

Flea-beetle, Brassy, Misc. Ess., 106;
xiv, 22. See also Flea-beetle, Corn,
or Brassy.

Broad-striped, Misc. Ess., 105. See
Flea-beetle, Pale-striped.

Cabbage, general description, injuries,
and life history of, xxi, 123.
as strawberry insect, xiii, 62, 86.
calendar of, xiii, 179.

Corn, or Brassy, xiv, 22; Misc. Ess.,
106; xviii, VII, 4; xxi, 118; xxiii,
107, 109-110.

Downy, xiii, 62.

calendar of, xiii, 179.

cut apples eaten by, xviii, XI.

Larger-striped, xxi, 115.

Pale-striped, xxiii, 107-108, 228.

as a beet insect, xxi, 50, 52, 120.

as a melon insect, xvi, XI.

description of, xviii, 22-23; xxi,
114, 122.

distribution of and injuries by, xxi,
121.

food plants of, and its larva, xviii,
22; xxi, 122.

larva of, injuring seed-corn in the
earth, xviii, 8.

(See also Broad-striped and Yellow-
striped Flea-beetle.)

Potato, xxi, 117; xxiii, 190.

Red-headed, xxi, 120.

Rhubarb, xxi, 124.

Smartweed, xxi, 119; xxiii, 190-191.

Sweet-Potato, xxi, 119; xxiii, 110-111.

Three-spotted, xxi, 115. See also Er-
rata.

Toothed, xxiii, 110.

Western Cabbage, xxi, 123; xxiii, 109.

Yellow-Black, xxi, 114, 116 (Errata,
175).

Yellow-striped, xiii, 62.

calendar of, xiii, 179.

(See also Flea-beetle, Pale-striped.)

Flea-beetles, xxi, 50, 52, 56, 113; xxiii,
12, 106-111, 190-192, 226.

Flea-beetles—*Continued.*

general description of corn species of,
xxiii, 106-107.

infesting Strawberry, xiii, 86.

injury to Apple by, xiv, 98.

species of, infesting Beet, xxi, 114.

Flea-hopper, False, xxi, 87, 88.

Garden, xxi, 87, 88.

Flea Negro-bug, xiii, 62, 106-111; xvi,
XII.

associated with Chinch-bug, xvi, 51,
57.

calendar of, xiii, 179.

description of, xiii, 107-108.

food plants of, xiii, 107, 109, 110;
xvi, 51.

infesting grass and weeds, xvi, 51.

injuries by, xiii, 107, 109-111.

life history of, xiii, 108.

literature of, xiii, 107.

remedies for, xiii, 110.

Fletcher, James, xxi, 57, 137; xxiii, 19,
34, 65, 200.

fletcherella, Coleophora, xxi, 146.

Flies doing unimportant injury to Corn,
xxiii, 161-166.

floccosa, Chortophila, xxi, 59.

Flour-moth, Mediterranean, in Europe
and America, xix, Appendix.

Flower-beetle, Common, xxiii, 99.

Flower-beetles, xxiii, 99-101, 102, 227.

early stages of, xxiii, 101.

food of and injuries by, xxiii, 100-
101.

general description of, xxiii, 99.

Flower-bug, Common, xxi, 86; xxiii,
202.

Flower-worm, Strawberry, xiii, 61.

calendar of, xiii, 179.

food plants and description of, xiii,
111-112.

Flowering Currant infested by San Jose
Scale, xxi, 13.

plants injured by Tarnished Plant-
bug, xiii, 116.

Quince infested by San Jose Scale,
xxi, 13.

Flowers, garden. See Garden Flowers.
injured by Margined Blister-beetle,
xxi, 141.

fluviatilis, Scirpus, xvi, 58, 68; xvii, 72;
xviii, 148; xxi, 72; xxii, 10, 12, 13, 15.

Fodder plants as food of Fodder Worm,
xxiii, 86.

Worm, xxiii, 86-87, 226.

Folsom, J. W., xxiv, 9, 10, 102, 103, 106,
108.

Forage crops, xxiii, 59.

injury to, by meadow maggots, xvi,
79.

- Forage crops—*Continued*.
 leguminous, cultivated to lessen losses by Chinch-bug, xxiii, 59.
 foraminatus, Odynerus, xx, 103.
- Forbes, E. B., xix, 120, 121, 125; xx, v; xxi, 9, 37, 40, 42; xxii, 69, 145; xxiii, 189.
- Forbes, S. A., xiv, Appendix, VII, VIII; xv, 61, 64, 81.
- Forbes Scale, xxii, 114, 116.
 economic importance of, xxii, 115.
 gasoline blast-lamp used against, xxiv, 51.
 treatment for, xxii, 116.
 winter stage of, xxii, 113.
- forbesi, Aspidiotus, xx, 15, 16; xxi, 20.
 Œcanthus, xxiii, 217.
- Forda occidentalis, xviii, 53, 57, 95–97.
 ants attendant on, xviii, 96.
 description of, xviii, 96.
 plants infested by, xviii, 95–96.
- Forel, Auguste, xiii, 112; Misc. Ess., 46; xvii, 65; xviii, 11.
- Forest caterpillars, xviii, X.
- Tent-caterpillar, xiii, 10; xvii, XIII.
 disease of, xiii, 10; xiv, 7.
 eggs of, xxii, 102, 103, 104, 134.
 feeding habits of, xxii, 135.
 injuries by, xiii, 10.
 measures against, xiii, 10; xxii, 135.
 recognition of, at different seasons, xxii, 102, 104, 135.
 webs of, xxii, 135.
- trees, injury to, by Prionus grubs, xviii, 146.
 by White-grubs, xviii, 109.
- Formica fusca, xviii, 53, 66.
 infested by Sporotrichum, globuliferum, xix, 81.
 gagates, attendant on Forda occidentalis, xviii, 96.
 attendant on Geocica squamosa, xviii, 99, 100.
- schaufussi, xviii, 53, 66; xxi, 161.
 associated with termites, xix, 198.
 attendant on Grass Root-louse, xviii, 90.
 kernels of Corn gnawed by, xxiii, 161.
- Formicidæ, xxiii, 156–161.
- Formicina, xiii, 112.
- fossata, Diabrotica atripennis, xxiii, 256.
- Foul-brood of bees, xix, 19.
- Four-lined Leaf-bug, xxiii, 200, 233.
- Four-striped Plant-bug, xiii, 117.
- Fowler's solution for wireworms, xviii, 49.
- Foxtail-grass, xvii, 62.
 as food plant of Corn bill-bugs, xvi, 70; xxii, 10.
 of Corn Root-aphis, xviii, 60; xxiv, 16, 26.
- Foxtail-grass—*Continued*.
 destroyed by White-grubs, xviii, 112.
 Yellow Sorghum Plant-louse on, xxiii, 210.
- fractilinea, Hadenæ, xxiii, 77, 232.
- Fragaria vesca, xiii, 140.
- fragariæ, Anchylopera, xiii, 87, 88.
 immaculata, Siphonophora, xiii, 99.
 Lozotænia, xiii, 97.
 Siphonophora, xiii, 62, 98, 103.
 Tyloclerma, xiii, 62, 142, 151, 176.
- fraterna, Lachnosterna, xvii, 36, 37, 47, 50, 51; xviii, 140, 143.
- French bugs as beet insects, xxi, 52.
 general description of, xxi, 115.
 injuries by, and range and life history of, xxi, 127–128.
 insecticide applications for, xxi, 128.
- French, G. H., xiii, 12, 30, 31, 32, 33, 34, 63, 82, 139; xiv, 36, 37, 77, 89, 90; Misc. Ess., 129; xv, 60, 64, 70, 71; xviii, 158; xxi, 152.
- fresenii, Entomophthora, xviii, 74; xix, 86.
- Frey, H., and Boll, J., xv, 46.
- Fribourg & Hesse, xix, 68, 69, 70, 72.
- Fringilla canadensis, xv, 67.
- Frit-flies, xxiii, 164.
- Frogs as enemies of June-beetles, xviii, 126.
- frondosa, Bidens, xiv, 104.
- frontalis, Systema, xxi, 114, 120.
- frugiperda, Laphygma, xiv, 3, 6, 54; Misc. Ess., 74; xxi, 149; xxiii, 10, 81.
- Phalæna, xiv, 56, 57.
- Fruit Bark-beetle, American literature on, xvii, 12–18.
 description of adult, xvii, 9.
 of larva of, xvii, 10.
 European accounts of, xvii, 6.
 European literature on, xvii, 18–20.
 history of, in Illinois, xvii, IX, X, 1, 2–4.
 in the United States at large, xvii, 5.
 injuries to vegetation by, xvii, 6–9.
 life history of, and remedies for, xvii, 10–12.
 parasites of, xvii, 5.
- blossoms as food of Striped Cucumber-beetle, xxi, 126.
- chafer, Brown, xxiii, 100. See also Euphoria inda.
 destroyed by Variegated Cutworm, xxiii, 24.
- fly, Vine-loving, distribution and life history of, and measures against, xiv, 84.
 injuries to Grape and preserved fruits by, xiv, 83, 84.

Fruit—Continued.

- grafts injured by Pale-striped Flea-beetle, xxi, 121.
- injured by Greasy Cutworm, xxiii, 21, 22.
- ripe, destroyed by Green June-beetle, xxiii, 102.
- small, leaves of, as food of woolly bears, xxiii, 73.
- spot, peach, xxii, 101, 127. See under Peach fruit-spot.
- trees and fruit injured by *Schistocerca americana*, xxiii, 141.
- by Tarnished Plant-bug, xiii, 115, 116, 122-129.
- injured by Dingy Cutworm, xxiii, 27.
- leaves, buds, and bark of, devoured by Clay-colored Weevil, xxi, 145.
- eaten by Southern Corn Root-worm beetle, xxi, 126.
- weevil, Black, xiii, 62, 177.
- description of, xiii, 177.
- injurious to Strawberry in England and on Continent, xiii, 177.
- Fruits, as food of flower-beetles, xxiii, 100.
- bruised and sound, as food of *Nitidulidae*, xxiii, 181.
- field crops, and garden products injured by Greasy Cutworm, xxi, 104.
- infested by Thripidae, xxiii, 135.
- injured by Dark-sided Cutworm, xxiii, 33.
- frutescens*, *Wistaria*, xxiii, 166.
- Fuchsias injured by Common Red Spider, xxi, 58.
- fugax*, *Solenopsis*, xiii, 45, 61, 112; Misc. Ess., 58; xviii, 9.
- fugitiva*, *Banachus*, xv, 70.
- Limneria*, xv, 70.
- Fulgoridae*, xxi, 64.
- fulleri*, *Aramigus*, xvii, XIII.
- Fuller's Rose-beetle, appearance of in hothouses, xvii, XIII.
- fulvipes*, *Merisus*, Misc. Ess., 15.
- Pteromalus*, xiv, 47, 49; Misc. Ess., 15.
- fulvroseana*, *Croesia*?, xiv, 17.
- fulvosa*, *Prodenia autumnalis*, xiv, 57.
- fumata*, *Typhcea*, Misc. Ess., 94.
- Fumigation, xxii, 33, 34, 120, 121.
- for Black Peach-aphis, xxii, 110.
- for San Jose Scale, xx, 24; xxi, 25, 26; xxii, 28, 29, 31-44, 56, 57. See also under Orchard Fumigation.
- for scale insects generally, xxii, 113.
- for White Ant, xix, 199.
- for Woolly Aphis, xxii, 107.
- method of procedure in, xxii, 31-33, 117.
- funebri*, *Eurytoma*, Misc. Ess., 16; xv, 4.

- Fungi as food of *Balaninus uniformis*, xvi, 77.
- of Leaf-cutting Ant, xxiii, 160.
- of meadow grasshoppers, xxiii, 145, 147.
- of tree-cricket (or white crickets), xxiii, 215, 216, 219, 220, 221, 222.
- eaten by adult Northern Corn Root-worm, xviii, 158.
- of contagious disease, experiments with, xix, 102-141.
- of leaf-spots, xxii, 103.
- parasitic, xvi, 45, et seq.; xvii, 44, 52, 74-76, 78; xviii, 47, 74, 126; xix, 18, 19, et seq.
- Fungus diseases, xiii, 170.
- of Chinch-bug, xvi, 40, 45, 46, 48, 49, 56.
- culture of, and infection experiments with, xvii, 81-84.
- (See also under Chinch-bug, and Disease.)
- of San Jose Scale, xx, 22.
- of White-grubs, xviii, 126.
- of wireworms, xviii, 47.
- Fungus and insect pests of the nursery most important to the nursery trade, classification, description, and discussion of the, xxii, 99-138.
- causing Apple-scab, xxii, 102.
- green muscardine, xx, 50, 51, 52, 53, 54, 91.
- House-fly, xix, 22.
- parasite of *Dicrocephala mollipes*, xxi, 72.
- of grasshoppers, xxi, 129.
- of San Jose Scale, xxi, 24, 30-40; xxii, 69.
- of woolly bears, xxi, 158.
- parasites of insects, outline of experiments with, xix, 36-38, 65-67, 83, 100-102. See also under *Botrytis*, *Entomophthora*, *Isaria*, and *Sporotrichum*.
- of the green leaf, gasoline blast-lamp used against, xxiv, 44, 57.
- of White-grubs, xviii, 122.
- of willow saw-flies, xiv, 101.
- spores as food of ladybugs, xxiii, 179.
- of scavenger-beetles, xxiii, 180, 181.
- white muscardine, xx, 37, 50, 51, 52, 53, et seq.
- field experiments with, xix, 99.
- spontaneous outbreak of, xix, 100.
- furcata*, *Scudderia*, xxiii, 143.
- furfura*, *Chionaspis*, xx, 16; xxi, 20; xxii, 118.

fusca, Formica, xviii, 66; xix, 81.
 gagates, Formica, xviii, 96, 99, 100.
 Lachnosterna, xvii, 32, 36, 37, 38, 45,
 46, 47, 48, 50, 51; xviii, 54, 113, 115,
 116, 117, 119, 121, 139, 142; xx, 33;
 xxiv, 137, 138, 139, 140, 141, 142,
 143, 144, 151, 152, 154.
 Nabis, xix, 116.
 fusciceps, Pegomyia, xxiii, 9, 70.
 Phorbia, xviii, Errata; xxiii, 70.
 fuscicostellus, Crambus, xvi, IX.
 fuscipennis, Aphelinus, xx, 19, 20.
 fuscipes, Blacus, xvii, 5.
 Phorbia, xviii, 16 (Errata).
 fuscula, Crepidodera, xiii, 62 (see Ad-
 denda, I), 86.
 Fuscicladium dendriticum, xxii, 102, 137.
 fusiformis, Garganus, xxi, 87, 90.

G

gagates, Formica fusca, xviii, 96, 99, 100.
 galeator, Acanthocerus, xxi, 96, 97.
 Euthoctha, xxi, 97.
 Galium, Theretra tersa bred from, xxiii,
 167.
 Gall-fly, Strawberry Leaf-stem, xiii, 60,
 62, 97.
 gallivorana, Crœsia?, xiv, 17.
 Galusha, O. B., xiii, 72, 74, 75; xiv, 77;
 xviii, 158.
 Gama-grass infested by Larger Stalk-
 borer, xxiii, 92.
 Gamasidæ infesting Sphenophorus par-
 vulus, xxii, 4.
 Garden Flea-hopper, xxi, 87, 88-89.
 flowers and leaves of vegetables as
 food of Southern Corn Root-
 worm, xxi, 126.
 bulbs of, devoured by Iulidæ, xiii,
 140.
 infested by Stalk-borer, xxiii, 46.
 Mamestra, xxi, 51, 151.
 or Common Garden, Web-worm, xxi,
 107, 108-109; xxiii, 89-91, 227. See
 also Web-worms, garden.
 Pea infested by Nectarophora pisi,
 xxi, 83.
 pinks as food of Black Blister-beetle,
 xxi, 141.
 plants as food of Rose-chafer, xxiii,
 185.
 produce as food of Western Green
 Stink-bug, xxi, 97.
 vegetables as food of Julus cœrule-
 ocinctus, xxiii, 223.
 destroyed by Variegated Cutworm,
 xxiii, 24.
 by W-marked Cutworm, xxiii, 31.
 injured by anguillulid, xvii, XII.
 by blister-beetles, xxiii, 112.

Garden vegetables injured—*Continued.*
 by Dark-sided Cutworm, xxiii, 33.
 by Greasy Cutworm, xxiii, 21.
 by Red-backed Cutworm, xxiii, 34.
 by Spotted Cutworm, xxiii, 25.
 by Tarnished Plant-bug, xiii, 116;
 xxiii, 119, 122.
 leaves of, as food of woolly bears,
 xxiii, 73.
 Web-worm, Imported, xxi, 111. See
 under Web-worm.
 web-worms, xxi, 51, 106-112; xxiii, 7,
 10, 226, 231. See also under Web-
 worms.
 Gardens, Burrowing Web-worm taken
 in, xvi, 100.
 Garganus fusiformis, xxi, 87, 90.
 Garman, W. H., or H., xiii, 12, 158,
 161, 170; xiv, 73, 74, 105; xvi,
 70; xvii, 70, 71; xviii, 70, 73, 89,
 150, 152; xxi, 113, 152; xxii,
 125, 127, 138; xxiii, 20, 103, 126,
 165, 205, 208.
 Contribution to the life history of
 the Corn Plant-louse, xiv,
 23-33.
 Second contribution to the same.
 Misc. Ess., 46-48.
 Gas-lime for Chinch-bug, xv, 101; xvi,
 41.
 for Goldsmith-beetle, xiii, 148.
 for White-grubs, xiii, 145.
 for wireworms, xviii, 50.
 to free soil from insects, xiii, 67.
 Gas-tar bands for Canker-worm, xxii,
 139.
 Gasoline blast-lamp for general insec-
 ticide purposes, xxiv, 45, 47, 52.
 effect of, on various trees and
 plants, xxiv, 46-48, 52.
 experiments with, xxiv, 50-52.
 for destruction of fungus par-
 asites, xxiv, 44, 51.
 for destruction of insects, xxiv,
 43-56, 57.
 used against Chinch-bug, xxiv, 44,
 52-56, 57-58.
 against Cotton Boll-weevil, xxiv,
 44.
 against Harlequin Cabbage-bug,
 xxiv, 43, 48-49.
 against San Jose Scale, xxiv, 44,
 46-48.
 for burning thorns from prickly
 pears, xxiv, 44.
 for ants, Misc. Ess., 5.
 for white ants, xix, 199.
 Gastman, E. A., xxiv, 118.
 Geddes, Gamble, xvi, 61.
 Gelechia cerealella, xiii, 10.

- geminatella, *Lithocolletis*, xv, 52, 53, 55.
 Ornix, xv, 51.
 Gentry, T. G., xiii, 82.
 Geocoris, xxi, 93.
 bullatus, xxi, 93, 94, 95.
 pallens, xxi, 95.
 Geoica, description of, xviii, 101.
 squamosa, xviii, 53, 57, 98-104, 105.
 affinities of, xviii, 101.
 chronological list showing dates of
 occurrence and food plants of,
 and ants attendant on, xviii, 99.
 description of, xviii, 102-104.
 known forms of, xviii, 101.
 Geometridæ, xxiii, 173.
 Geomyzidæ, xxiii, 164.
 Geranium as food plant of Ear-worm,
 xxiii, 67.
 of Yellow Bear, xxiii, 74.
 germanica, *Setaria*, xviii, 61.
 Germar, E. F., xvi, 60.
 Giant Thorn-headed Worm as parasite
 of pigs, xxiv, 167.
 Giard, A., xviii, 127, 133, 135; xix, 81;
 xx, 101.
 gibbosa, *Lachnosterna*, xvii, 35, 37, 38,
 45, 46, 47, 48, 49, 51; xviii, 54, 113,
 116, 117, 119, 121, 124, 139, 141;
 xxiv, 137, 139, 140, 141, 143, 144, 152.
 Nadata, xix, 26 (Errata).
 gibbosus, *Ligyris*, xxi, 50, 165; xxiii,
 98, 184, 228; xxiv, 137.
 Gibbs, O. W., xii, 88, 93.
 gigas, *Echinorhynchus*, xxiv, 167.
 Gillette, C. P., xxi, 53, 73, 78, 123, 150,
 151, 175; xxiii, 19, 30, 31, 33,
 35, 78, 211, 212; xxiv, 94.
 and Baker, C. F., xxi, 70, 75, 76,
 94, 95, 96.
 gilvipes, *Paria*, xiii, 159.
 Girard, Maurice, xvii, 6, 32.
 glaberrima, *Lachnosterna*, xvii, 47, 48;
 xviii, 139, 141.
 glaberrimum, *Orchelimum*, xxiii, 144.
 glabra, *Rhus*, xxiii, 199.
 Spermacoce, xxiii, 167.
 glabrum, *Panicum*, xiii, 49; xviii, 85, 93.
 glacialis, *Hippodamia*, xiv, 24, 33.
 gladiaria, *Agrotis*, xvi, 89.
 Feltia, xxiii, 17, 27-28.
 Gladiolus as food plant of Ear-worm,
 xxiii, 67.
 of Zebra-caterpillar, xxiii, 171.
 Glassy Cutworm, *Misc. Ess.*, 73; xvi,
 96; xxiii, 19-20, 231.
 -winged Soldier-bug as enemy of leaf-
 hoppers, xxi, 63.
 glauca, *Setaria*, xviii, 93.
 globosus, *Dendrophagus*, xxii, 111.
 globuliferum, *Sporotrichum*, xvii, 75, 78;
 xviii, 127, 136, 137, 161; xix, 23, 25,
 globuliferum, *Sporotrichum*—*Continued*.
 26, 27; xx, 37, 55, 59, 63, 64, 75, 78,
 82, 89, 90. See also *Sporotrichum*
 globuliferum.
 Gloeosporium venetum, xxii, 126.
 glomerata, *Dactylis*, xvii, 62.
 Glover, Townsend, xiii, 76, 123, 156; xiv,
 56, 57, 60, 61, 64, 66; xv, 68; xvi, 59,
 60, 71, 78; xviii, 123; xxiii, 182.
 gloveri, *Copidryas*, xxi, 146, 154.
 Glyptina brunnea, xxi, 114, 122; xxiii,
 191.
 Gnaphalium polycephalum as food plant
 of Red-banded Leaf-roller, xiv, 21;
 xxiii, 175.
 Gnathodus, xxi, 66.
 abdominalis, xxi, 67, 76.
 impictus, xxi, 67, 76.
 spp., xxiii, 206.
 Goding, F. W., xiii, 12, 140; *Misc. Ess.*,
 5; xxiii, 181.
 Notes from Livingston and adja-
 cent counties, *Misc. Ess.*, 127-
 130; xv, 1.
 Goff, E. S., *Misc. Ess.*, 6; xv, 2, 15.
 Goldenrod as food blister of Common
 Black Blister-beetle, *Misc.*
 Ess., 19; xv, 4.
 of Dusky Leaf-bug, xxiii, 199.
 of Striped Cucumber-beetle, xxi,
 126.
 of Zebra-caterpillar, xxiii, 171.
 flowers as food of adult Northern
 Corn Root-worm, xviii, 158.
 infested by Black Blister-beetle, xxi,
 141; xxiii, 112.
 by *Euphoria inda*, xxiii, 101.
 infested by *Aphis middletonii*, xxi,
 161.
 by Smartweed Flea-beetle, xxi, 119.
 Goldfinch active in dispersal of Soft
 Maple Bark-louse, xiv, 105.
 Goldsmith-beetle, xiii, 146-148.
 and larva, description of, xiii, 146, 147.
 injuries by, xiii, 146, 148.
 life history of, xiii, 147.
 remedies for, xiii, 148.
 Gooseberry, xxi, 3.
 as food plant of Green Strawberry
 Spanworm, xiii, 80.
 of San Jose Scale, xx, 1; xxi,
 13.
 of Yellow Bear, xxiii, 74.
 buds and leaves eaten by W-marked
 Cutworm, xxiii, 31.
 infested by *Eccopsis exoletum*, xiv,
 118.
 injured by Four-lined Leaf-bug, xxiii,
 200.

Gooseberry injured—*Continued.*
 by Green Apple Leaf-hopper, xiv, 117.
 by Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 by Mealy Flata, xxi, 84.
 by Red-headed Flea-beetle, xxi, 120.
 Leaf-roller, description of, xiv, 118.
Typhlocyba rosæ on, xxi, 78.
 Gophers, striped, xxiii, 39.
Gortyna nitela, xiii, 61, 114; Misc. Ess., 76; xxiii, 44.
 Gossard, H. A., and Osborn, Herbert, xxiv, 6.
gossypii, *Aphis*, xxi, 81.
 Goureau, Ch., xvii, 5, 6.
gracilis, *Lachnosterna*, xvii, 47, 49; xviii, 140, 141 (Errata).
Gracillariæ, xv, 52.
 Grain as food of *Chaetocnema denticulata*, xxi, 118.
 destroyed by *Tenebrioides corticalis dubia*, xxiii, 182.
 eaten by Toothed Flea-beetle, xxiii, 110.
 -*aphis*, xiii, 40; xvii, IX.
 infection experiments with, xvii, 82; xix, 51.
 fields, Common Negro-bug abundant in, xxi, 100.
 injured by Common Grass-worm, xxi, 149.
 by corn bill-bugs and their larvæ, xxiii, 56.
 by grasshoppers, xxiii, 65.
 by Wheat-head Army-worm, xxiii, 83.
 leaf-hoppers, xiv, 67-69.
 leaves eaten by Southern Corn Root-worm beetle, xxi, 126.
 -louse, or Oat-louse, xvii, IX.
 English, xxiii, 206, 208.
 European, xxiii, 206, 207.
 injury to Oats by, xvii, X.
 Southern, xxiii, 134-135.
 -moth, Misc. Ess., 90.
 Angoumois, Misc. Ess., 89.
 small, effect of Chinch-bug on, xvi, 50.
 liable to destruction by White-grubs, xviii, 109, 114.
 stored, as food of *Nitidulidæ*, xxiii, 181.
 injury to, by *Tenebrioides mauritanica*, xvi, XI.
 -weevil, Misc. Ess., 112.
 Grains and other plants as related to life history of European Grain-louse, xxiii, 206.
 as food of *Draculacephala mollipes*, xxiii, 205.

Grains—Continued.
 as resort of Apple-leaf *Aphis*, xxii, 128; xxiii, 206.
 infested by Dusky Leaf-bug, xxiii, 199.
 leaf-hoppers infesting, xxi, 67, 68, 71, 76, 77; xxiii, 204.
 Grama-grasses as food of *Dissosteira longipennis*, xxiii, 213.
Graminæ as food of Chinch-bug, xv, 94.
graminum, *Toxoptera*, xiii, 40; xvii, X; xxiii, 134-135.
granaria, *Calandra*, Misc. Ess., 112.
Macrosiphum, xxiii, 206.
granariæ, *Siphonophora*, xiii, 40.
granarius, *Aphodius*, xviii, 8; xxiii, 183, 228.
grande, *Isosoma*, xiv, 6, 34.
grandis, *Isosoma*, xiv, 35.
Lachnosterna, xvii, 47, 50; xviii, 139, 142.
granella, *Tinea*, Misc. Ess., 90.
 Granulated Cutworm, xxiii, 32, 232.
 Grape as food plant of *Apantesis phalerata*, xxiii, 76.
 of False Chinch-bug, xiii, 104.
 of Rose-chafer, xxiii, 184.
 of San Jose Scale, xx, 1; xxi, 13.
 of Smartweed Caterpillar, xxiii, 170.
 of Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 103; xxiv, 103.
 of Yellow Bear, xxiii, 74.
 -berry Moth, Misc. Ess., 128.
 blossoms injured by Pigweed Bug, xxi, 85.
 infested by Grape Scale, xxii, 120.
 by Stalk-borer, xxiii, 46.
 by Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 injured by *Aspidiotus uvæ*, xvii, XI.
 by Black Vine-weevil, xxi, 144.
 by *Colaspis brunnea*, xiii, 156; xxi, 125; xxii, 145, 148; xxiii, 106.
 by Flea Negro-bug, xiii, 110.
 by Grape Leaf Mite, or Grape Phytotus, xiv, 7, 84-86.
 by Grape Phylloxera, xiv, 7.
 by Grape Pomace-fly, or Vine-loving Fruit-fly, xiv, 7, 83-84.
 by Grass-worm, xiv, 62; xxiii, 82.
 by Greasy Cutworm, xxi, 104; xxiii, 22.
 by *Oncometopia undata*, xxi, 71.
 by *Prionus* grubs, xviii, 146.
 by Smear'd Dagger, xiii, 82.
 by Tarnished Plant-bug, xiii, 123.
 insects, on a few, xiv, 83-86.

Grape—Continued.

- leaf-hoppers, xxi, 67, 79.
 leaves eaten by Red-headed Flea-beetle, xxi, 120.
 Phylloxera, xiv, 7.
 mode of using bisulphid of carbon for, in France, xiii, 173.
 Scale, xvii, XI; xxii, 120.
 character of infestation by, xxii, 120.
 economic importance of, xxii, 120.
 eggs of, xxii, 120.
 treatment for, xxii, 120.
 -sphinx, Green, xxiii, 167.
 subject to crown-gall, xxii, 100.
 Three-banded Leaf-hopper abundant on, xiv, 115.
 treatment of, with hydrocyanic acid gas, xxii, 36, 37.
 -vine Colaspis, xiii, 156. See *Colaspis brunnea*.
 -vines, xxi, 3.
 Agallia novella on, xxi, 69.
 cultivated and wild, injured by species of *Typhlocyba*, xxi, 78, 79.
 defoliated by Dark-sided Cutworm, xxiii, 33.
 destroyed by *Anomala undulata*, xxiii, 186.
 injured by Mealy Flata, xxi, 84.
 by outbreak of *Sphragisticus nebulosus*, *Geoica bullatus*, and *Nysius angustatus*, xxi, 94.
 by tree-crickets, xxiii, 216.
 Wild, *Empoasca mali* on, xxi, 78.
 Grapes injured by *Leptoglossus oppositus*, xxiii, 197.
 by Western Green June-beetle, xxiii, 102.
 Graphops, xiii, 164, Addenda, I.
 curtippennis, xiii, Addenda, I.
 marcassita, xiii, Addenda, I.
 pubescens, xiii, Addenda, I.
 Grapta interrogationis, infection experiment with larva of, xix, 105.
 Grass and haycocks blackened with grasshoppers, Misc. Ess., 127.
 Army-worm, xiv, 57. See Grass-worm.
 as food of burrowing web-worms, xxiii, 96.
 of Hedgehog Caterpillar, xxiii, 74.
 of May-beetles, xxiv, 143, 146.
 of Speckled Cutworm, xiv, 93.
 of Thrips family, xxiii, 135.
 bred in by Corn Root-louse, xiii, 49.
 by root web-worms, Misc. Ess., 11.
 Caterpillar, xiv, 56, 58.
 Common Negro-bug on, xxi, 100.
 destroyed or injured by Grass-worm, xiv, 57, 62, 63.

Grass—Continued.

- eaten by Common Striped Cutworm, xxiii, 34.
 by Dark-sided Cutworm, xxiii, 33.
 by Toothed Flea-beetle, xxiii, 110.
 eggs of cutworms on, xxi, 100.
 Foxtail, as food plant of *Sphenophorus ochreus*, xxii, 10.
 Yellow Sorghum Plant-louse on, xxiii, 210.
 Hungarian, as food of Army-worm, xxiii, 49.
 infested by Flea Negro-bug, xvi, 51.
 by *Geoica squamosa*, xviii, 99, 100.
 by Prairie Walking-stick, xxiii, 211.
 by *Trama erigeronensis*, xviii, 93.
 by Woolly Grass Root-louse, xviii, 104, 105.
 injured by corn bill-bugs and their larvæ, xvi, 61, 62, 63; xxiii, 52, 56.
 by *Crambus camurellus*, xviii, XI.
 by meadow maggots, xvi, 78, 79; xxiii, 161.
 by sod web-worms, xxiii, 37.
 injuries to, in Illinois, by grasshoppers, xxiii, 65.
 injury to, by White-grubs in Christian county, Ill., xx, 29, 30, 31.
 Johnson, infested by Larger Stalk-borer, xxiii, 92.
 June. See June Grass.
 -lands, *Asaphes decolorata* collected from, xviii, 45.
Campylacantha olivacea taken in, xxiii, 213.
 Wheat Wireworm in collections from, xviii, 37.
 leaves as food of *Epicærus imbricatus*, xvi, 76.
 -maggot, Black-headed, xiii, 57-59; Misc. Ess., 91; xviii, 7; xxiii, 228.
 See Black-headed Grass-maggot.
 maggots, xviii, 4.
 Root-louse, xviii, 53, 57, 59, 68, 85-93.
 and Corn Root-aphis contrasted, xviii, 60, 85.
 description of, xviii, 90-93.
 life history of, xviii, 88-89.
 relations to ants, xviii, 89-90.
 Woolly, xviii, 53, 104-106.
 description of, xviii, 105-106.
 roots as food of larva of *Allorhina nitida*, xiii, 149.
 of larva of Goldsmith-beetle, xiii, 147.
 of *Prionus* grubs, xviii, 146.
 of wireworms, xxi, 162.
Schizoneura panicola on, xviii, 86, 87, 88.
Sphenophorus scoparius on, xxii, 21.

Grass—Continued.

- Sulphur Leaf-roller bred from, xiv, 20.
- worm, Common Grass-worm, or Fall Army-worm, xiv, 3, 6, 56-67; xxi, 51, 146; xxiii, 81-83, 226, 231.
- character and extent of injuries to vegetation by, xiv, 55, 57, 58, 61-64.
- contrasted with Army-worm, xxi, 150.
- description of, xiv, 58, 59; xxiii, 81.
- distribution of, xiv, 59; xxiii, 83.
- injuries to crops, grass-lands, and lawns by, and list of food plants, xxi, 149 (Errata); xxiii, 81-82.
- life history of, xiv, 60-61; xxiii, 81, 82.
- literature of, xiv, 56-58.
- migration of, xxiii, 81, 83.
- natural enemies of, xiv, 64-66; xxi, 150.
- nomenclature of, xiv, 58.
- prevention and remedy for, xiv, 66.
- worms, xxiii, 10, 226, 231.
- Yellow Sorghum Plant-louse breeding on, xxiii, 210.
- Grasses and dogwoods as alternate food plants of *Schizoneura cornii*, xviii, 57, 89.
- and grass-like plants eaten by meadow grasshoppers, xxiii, 145, 147.
- as breeding plants of *Scudderia texensis*, xxiii, 144.
- of *Sphenophorus pertinax*, xxii, 18.
- as food of Bristly Cutworm, xxiii, 35.
- of Cotton Cutworm, xxiii, 80.
- of Garden Web-worm, xxiii, 90.
- of Granulated Cutworm, xxiii, 32.
- of Greasy Cutworm, xxiii, 21.
- of *Leucania pseudargyria*, xxiii, 171.
- of *Prodenia ornithogalli eudiopota*, xxiii, 80.
- of Smartweed Caterpillar, xxiii, 170.
- of Yellow Bear, xxiii, 74.
- as original food of Corn Delphax, xxiii, 121.
- as resort of Apple-leaf Aphis, xxii, 128.
- devoured by Clay-backed Cutworm, xxiii, 28.
- by Western Army-Cutworm, xxi, 102.
- eaten by *Dræculacephala mollipes*, xxiii, 205.
- by Southern Corn-Leaf-beetle in confinement, xxiii, 104.

Grasses—Continued.

- eggs of meadow grasshoppers deposited in, xxiii, 148.
- English Grain-louse on, xxiii, 207.
- flamed with gasoline blast-lamp, xxiv, 52.
- floral organs of, as food of tree-cricket (or white crickets), xxiii, 219, 221, 222.
- infested by Beet Aphis, xxi, 159.
- by Dusky Leaf-bug, xxiii, 199.
- by *Euschistus variolarius*, xxiii, 196.
- by Grass Root-louse, xiii, 42; xviii, 57, 85, 86, 87, 88.
- by *Liburnia ornata*, xxiii, 204.
- by Pigweed Bug, xxi, 85.
- by *Prenolepis imparis*, xxiii, 159.
- by Soft Maple Bark-louse, xiv, 104.
- injured by *Chaetocnema denticulata*, xxi, 118.
- by Chinch-bug, xxiii, 59.
- by Glassy Cutworm, xxiii, 19.
- by *CEbalus pugnax*, xxiii, 194.
- by Yellow-headed Cutworm, xxiii, 21.
- leaf-hoppers injuring, or occurring on, xxi, 67, 68, 71, 72, 73, 74, 75, 76, 77, 78.
- liable to destruction by White-grubs, xviii, 109, 114.
- meadow, as breeding plants of Chinch-bugs, xv, 96.
- injured by Western Striped Cutworm, xxiii, 27.
- seeds of, harvested by Texan Agricultural Ant, xxiii, 159.
- swamp, xxii, 1.
- tame and wild, as food plants of Chinch-bug, xv, 94.
- Thyanta custator* on, xxiii, 196.
- wild, heads and seed of, as natural food of Wheat-head Army-worm, xxiii, 84.
- infested by Stalk-maggot, xxiii, 165.
- W-marked Cutworm common on, xxiii, 31.
- Grasshopper, Black-winged, or Black-winged Carolina, xxi, 130, 131; xxiii, 213.
- Clear-winged, xxiii, 139, 229.
- Colorado or Rocky Mountain. See Grasshopper, Rocky Mountain.
- Green-striped, hibernation of, xv, 42.
- varieties of, distinguished, xv, 42.
- Larger Meadow, xxi, 135.
- Lesser, Misc. Ess., 120; xxiii, 136, 229.
- Lubber, or Olive, xxi, 130, 132-133; xxiii, 67, 136. See Olive, or Lubber, Grasshopper; also *Pezotettix differentialis*.

Grasshopper—*Continued.*

- Red-legged, or Common Red-legged, xiii, 62; Misc. Ess., 48, 119; xxi, 128, 130, 133-134; xxiii, 67, 136, 142, 219, 229.
- Rocky Mountain, Misc. Ess., 120; xv, 42, 43; xxi, 130, 133, 134, 142; xxiii, 65, 136, 229.
- Scudder's Short-winged, xxiii, 142-143.
- Short-winged Green, xxiii, 212.
- Small Green, xxiii, 142, 229.
- Two-striped, xxi, 130, 133; xxiii, 67, 136, 229.
- Yellow, xxi, 130, 131.
- Grasshoppers (or locusts), xiii, 40, 62; Misc. Ess., 20, 48-56; xvi, X; xviii, 4, 6; xxi, 128-136; xxiii, 64-67, 136-149, 212-213, 226.
- as beet insects, xxi, 50, 51, 56.
- as strawberry insects, xiii, 60, 87.
- bird, xxiii, 67, 140-142, 229.
- causes of needless alarm concerning, xv, 42.
- character of injury to Corn by, xxiii, 7, 8, 17, 64.
- condition of eggs of, xv, 41.
- eggs of, as food of blister-beetles, xxi, 52, 138.
- enemies of, Misc. Ess., 51-53, 54, 56; xv, 40, 41; xxi, 55, 129; xxiii, 65.
- extraordinary outbreak of, Misc. Ess., 5, 48, 127; xv, 1, 40-44.
- general conclusions bearing on same, xv, 43.
- infection experiment with, xix, 35, 49, 76.
- injuries by, xiv, 23; Misc. Ess., 48, 50, 127-128; xvi, XII; xxi, 128; xxiii, 65.
- injurious to Corn in Illinois, specific distinctions of, xxiii, 144, 146, 229.
- larger meadow, xxiii, 144-146, 229.
- life history of, xxi, 129.
- long-horned, xxiii, 13.
- meadow, xxiii, 227, 229.
- general description of, xxi, 131.
- smaller, xxi, 136; xxiii, 147-148, 229.
- measures against, xxi, 55, 129; xxiii, 13-14.
- methods of destroying young, Misc. Ess., 54-55; xxiii, 13-14.
- migrating, xxiii, 13, 65, 67.
- occurring on or injuring Sugar-beet, xxi, 128, 130, 131, 132, 133, 135, 136.
- red-legged, injury to Corn by two species of, xiv, 23.
- short-horned, xxiii, 13.
- situation of eggs of, Misc. Ess., 52, 53, 56.

Grasshoppers—*Continued.*

- young, as food of field-cricket, xxiii, 214.
- grataria, *Hæmatopis*, xiv, 74.
- Gray Blister-beetle, Common, xxi, 139.
- Greasewood as food plant of Spotted Blister-beetle, xxi, 139.
- Greasy, or Black, Cutworm, Misc. Ess., 71; xvi, 93; xxi, 102, 104; xxiii, 21-23, 27, 232.
- Great Horned Owl, June-beetles eaten by, xviii, 123.
- Plains Cricket, xxiii, 148-149, 229.
- Green, E. C., xxi, 9, 27, 28, 29; xxii, 34, 39, 45, 93, 94, 140.
- Green Apple Leaf-hopper, xiii, 181-182.
- See also under Apple Leaf-hopper, Green.
- Ash infested by Soft Maple Bark-*louse*, xiv, 104.
- Beet-Leaf-worm, xxi, 146, 151-152.
- Dolphin on Sugar-beet, xxi, 83.
- Flata, xxiii, 203-204.
- general account of, xxi, 83, 84, 85.
- Grape-sphinx, xxiii, 167.
- Grasshopper, Short-winged, xxiii, 212.
- Small, xxiii, 142, 229.
- June-beetle, or June-bug, xviii, 54, 144-145; xxiv, 137.
- description of larva of, xviii, 145.
- food, habits, and life history of, xviii, 144.
- larva of, contrasted with that of *Lachnosterna* and *Cyclocephala*, xviii, 144.
- June-beetles, xxiii, 101-103, 227.
- conditions favoring multiplication of, xxiii, 103.
- described, and contrasted with common June-bugs, xxiii, 102.
- larvæ of, xxiii, 102, 103.
- measures against, xxiii, 103.
- (See also under *Allorhina*.)
- Leaf-bug, xxi, 87, 90.
- muscardine fungus, xx, 50, 51, 52, 53, 54, 91.
- plant-bug as beet insect, xxi, 52. See next entry.
- Stink-bug, Western, xxi, 97, 99; xxiii, 116-117, 233.
- Strawberry Spanworm, xiii, 61, 80-81, 179.
- striped Grasshopper, xv, 42.
- Greenhouse Leaf-roller, xxi, 105-106.
- plants injured by Black Vine-weevil, xxi, 144.
- by red spiders, xxiii, 223.
- Gregarinæ parasitizing adult Northern Corn Root-worm, xviii, 161.
- adult Southern Corn Root-worm, xviii, 152.

- Grindelia squarrosa* as food plant of Garden Web-worm, xxiii, 90.
- Groff, G. G., xx, 6.
- Gross, A. O., xxiv, 157.
- Grote, A. R., xv, 70; xvi, 89, 90.
- Ground-beetles, xviii, 74, 126; xxiii, 227. as enemies of Common Garden Web-worm, xxi, 109.
- food habits, injuries, and life history of, xxiii, 176-178.
- injuries to Corn by, xxiii, 11, 177, 178.
- larvæ of, as enemies of grasshoppers, Misc. Ess., 52, 53; xv, 40, 41, 44.
- Ground-bug, xxi, 95.
- Ground-cherry as food plant of Ear-worm, xxiii, 67.
- of Margined Blister-beetle, Misc. Ess., 19; xv, 4; xxi, 141.
- Ground-squirrels as enemies of Army-worm, xxiii, 51.
- of cutworms, xxi, 101.
- of White-grubs, xviii, 124.
- Grub-Wasp, Common, as parasite of White-grubs, xxiv, 157-160.
- cocoons of, dates of collection of and emergence from, xxiv, 158.
- description of, and abundance of cocoons of, xxiv, 160.
- general description of, and transformations, xxiv, 157.
- hibernation of, xxiv, 160.
- insectary observations on, xxiv, 158-159.
- oviposition of, xxiv, 157, 158.
- parasites of, xxiv, 160.
- grylli, *Empusa*, xxi, 72.
- Gryllidæ, xxiii, 213.
- Gryllus*, xxiii, 213.
- infection experiments with, xix, 54.
- pennsylvanicus, xxiii, 214, 219.
- Guano, xvi, 60.
- Guené, A., xiii, 79; xiv, 59.
- Guinea-corn infested by Larger Corn-Stalk-borer, xxiii, 92.
- guttulata*, *Monoxia*, xxi, 127.
- guttulatus*, *Blaniulus*, xiii, 139.
- Gyllenhall, L., xvi, 60, 63.
- Gypona, xxi, 64.
- 8-lineata, xxi, 66, 72.
- Gypsy-moth, xxiii, 87-89, 230.

H

- Hackberry as food plant of May-beetles, xviii, 114.
- injured by Mealy Flata, xxi, 84.
- by Putnam Scale, xxii, 115.
- Hadena, xxiii, 10, 16, 34.
- arctica, Misc. Ess., 74; xvi, 97; xxiii, 17, 21.
- devastator, Misc. Ess., 73. See also next entry.

Hadena—Continued.

- devastatrix, xvi, 96; xxiii, 17, 19-20.
- See also previous entry.
- fractilinea, xxiii, 77, 78, 232.
- lignicolor, xxiii, 17, 31, 231.
- misera, xxiii, 77, 78, 232.
- stalk-borers destructive to Corn, xxiii, 77-78.
- stipata, xxiii, 77, 232.
- Hadronema militaris* as a beet insect, xxi, 92.
- Hæmatopis grataria* abundant on White Clover, xiv, 74.
- Hagen, H. A., xvii, 5; xix, 194.
- Hairworms as parasites of grasshoppers, Misc. Ess., 52; xxi, 129.
- Hairy Vetch as food plant of Ear-worm, xxiii, 67.
- Hale, J. H., xiii, 146.
- Halesidota caryæ* cocoons infested by *Sporotrichum globuliferum*, xix, 26.
- Oak and Hickory defoliated by, xviii, X.
- Halictus*, xxiii, 163.
- lerouxii, xxiii, 8, 156.
- Halticidæ infesting Strawberry, xiii, 86.
- Halticini, xxiii, 106, 190-192.
- Halticus uhleri*, xxi, 88, 89.
- Hamilton, John, xvi, 60, 62; xvii, 5.
- Hammond, A. C., xv, 60.
- hammondi, *Acrobasis*, xv, 59.
- Pempelia*, xiv, 7, 97; xv, 58, 76.
- Hammond's slug shot for Apple Leaf-skeletonizer, xv, 61.
- Hapke, Theo., xxi, 57.
- Harlequin Cabbage-bug, gasoline blast-lamp used against, xxiv, 43, 48-49.
- injury to Corn by, xxiii, 196.
- Harpactor cinctus*, xv, 84.
- Harpalid devouring ants, xxiv, 26.
- Harpalus caliginosus* in nest of *Lasius alienus*, xxiv, 26.
- food of, xxiii, 177.
- Harrington, W. H., xvi, 59.
- Harris, D. S., xiii, 12, 19, 23.
- Harris, T. W., xiii, 79, 116, 121, 129, 130; xiv, 113; xv, 42, 67; xvi, 78; xvii, 32; xviii, 39; xxiii, 70, 85.
- Harrowing, fall, to expose larvæ and pupæ of garden web-worms, xxi, 107.
- to expose eggs of grasshoppers, Misc. Ess., 55.
- Hart, C. A., xvi, 63; xvii, 45, 47, 70; xviii, 30, 37, 90, 96, 101, 105; xx, v, 7; xxiii, 149; xxiv, 102, 107.
- Hart, Lydia M., xx, v.
- Hartwell ranch, injury to Corn on, by bill-bugs, xxii, 14-16.

- Harvey, F. L., xxi, 58; xxiii, 19, 180, 181, 184.
- harveyana, Botis, xxi, 105.
- hastata, Verbena, xiv, 20; xxiii, 174.
- Haw, Apple Tischeria bred from, xv, 46.
- Red, as food plant of San Jose Scale, xxi, 13.
- infested by Euphoria inda, xxiii, 101.
- Hawk, Broad-winged, June-beetles eaten by, xviii, 123.
- Red-tailed, June beetles eaten by, xviii, 123.
- Red-shouldered, June-beetles and their larvæ eaten by, xviii, 123.
- Sparrow-, White-grubs eaten by, xviii, 123.
- Hawthorn, European, subject to injury by Cottony Maple Scale, xxiv, 103.
- by Fruit Bark-beetle, xvii, 6.
- Hazel as food plant of Horned Spanworm, xiii, 79.
- of May-beetles, xvii, 43; xviii, 114.
- of Smartweed Caterpillar, xxiii, 170.
- of Smear'd Dagger, xiii, 82.
- of Strawberry Flower-worm, xiii, 111.
- Heartweed, xvii, 65; xviii, 62.
- Heart Worm, xxiii, 44, 231. See Stalk-borer.
- hecate, Onthophagus, xxiii, 183.
- Hedge infested by San Jose Scale, xxi, 7. See Osage under Orange.
- Hedgehog Caterpillar, xxi, 146, 156-158; xxiii, 72, 230.
- description and hibernation of, xxiii, 71, 73.
- disease and parasites of, xxi, 158.
- food plants of and injury by, xxiii, 74, 75.
- Hedgerows, Burrowing Web-worm taken from, xvi, 100.
- Helianthus as food plant of Campylacanthus olivacea, xxi, 135.
- of Larger, or Southern, Corn Root-worm beetle, xvii, 72; xviii, 148.
- of Margined Blister-beetle, xxi, 141.
- of Small Green Grasshopper, xxiii, 142.
- of Spotted Cutworm, xvi, 87.
- flowers of, as food of adult Northern Corn Root-worm, xviii, 158.
- leaf structures of, as food of Lixus concavus, xvi, 76.
- Heliophila albilinea, xxiii, 83.
- pseudargyria, xxiii, 171-172.
- unipuncta, Misc. Ess., 9, 78; xv, 2.
- Heliothis, xxi, 148.
- armiger, Misc. Ess., 83; xxiii, 10, 11, 17, 67-68.
- exprimens, xiv, 88.
- larvæ, xiii, 40.
- Heliotrope infested by Common Red Spider, xxi, 59.
- Hellebore for Cherry-slug, xiv, 117.
- for Strawberry False Worm, xiii, 69, 76.
- Hellula, xxi, 106.
- undalis, xxi, 106, 107, 111-112.
- Helms, Frederick, xvi, 53.
- Helotropha reniformis, xxiii, 10.
- atra, xxiii, 78, 232.
- helxines, Crepidodera, xiv, 98, 117.
- Hemaris larvæ, infection experiments with, xix, 35, 48, 50.
- Hemiptera, xxiii, 233.
- as beet insects, xxi, 56, 158.
- as strawberry insects, xiii, 60, 61, 62.
- number of species of, feeding on Corn, xxiii, 12.
- Hemiteles sp. as parasite of Lesser Apple Leaf-folder, xiii, 183.
- Hemp as food plant of Ear-worm, xxiii, 67.
- infested by Common Red Spider, xxi, 58.
- to clear ground of White-grubs, xviii, 112.
- Henshaw, Samuel, xiii, 164.
- herilis, Agrotis, Misc. Ess., 68; xxiii, 26.
- Hermit Thrush as enemy of wireworms, xviii, 47.
- June-beetles eaten by, xviii, 123.
- Herrick, E. C., xiv, 44, 46.
- Hesperidæ, larvæ of, xv, 78.
- Hesperotettix speciosus, xxiii, 142.
- Hessian Fly, xiii, 9, 11, 13, 17, 22, 23, 30, 36; xiv, 3, Appendix, VIII; Misc. Ess., 16, 17, 24; xvi, IX, X, 50, 54; xvii, X.
- additional notes on the, xvii, 54-63.
- agricultural procedure for, Misc. Ess., 14-15.
- and dry weather, xv, 30; xvi, X.
- breeding-cage results with, xvii, 60.
- calendars of, xiv, 42-43; xv, 31, 33, 34.
- contributions to a knowledge of the life history and the parasites of the, xiv, 38-50.
- experiments with various grasses as breeding plants for, xvii, 61.
- hibernation of, xv, 28.
- in experimental midsummer sowings, xv, 24-29; xvi, X.

Hessian Fly—Continued.

- in volunteer Wheat, xv, 22-23.
injury to Wheat by, contrasted with that by Wheat Bulb-worm, xiii, 24.
larva of, distinguished from Wheat Bulb-worm, xiii, 17.
life history of, xiv, 39-43; Misc. Ess., 14; xvii, XV, 54-61.
agreement of, with that of Wheat Bulb-worm, xv, 32.
practical discussion of, xvii, 62.
second contribution to a knowledge of the, xv, 21-34.
parasites of, xiii, 9, 24-26; xiv, 3, 39, 40, 41, 44-50; Misc. Ess., 15.
preventive and remedial measures against, xvii, 63.
summary and discussion of life history of, and of defensive measures against, xv, 29-32.
- Heteraspis, xiii, 163, 164.
nebulosus, xiii, Addenda, II.
pubescens, xiii, Addenda, II.
- Heteroptera, xxiii, 197-202.
as strawberry insects, xiii, 60.
- Hibiscus militaris as food plant of Red-headed Flea-beetle, xxi, 120.
- Hickory as food plant of Goldsmith-beetle, xiii, 146, 148.
of Horned Spanworm, xiii, 79.
of May-beetles, xviii, 114, 117, 129; xxi, 165.
of San Jose Scale, xx, 1; xxi, 13.
defoliated by forest caterpillars, xviii, X.
injury to, by Stenosphenus notatus, Misc. Ess., 130.
Phlepsius irroratus on, xxi, 76.
-trees, Lachnosterna beetles collected from, xxiv, 141.
- Hill, H. D., xxii, 13.
Hinds, W. E., xxiii, 136.
Hine, J. S., xxiii, 150.
Hinman, H. B., xxiv, 14, 15.
hippocastani, Melolontha, xxiv, 137.
Hippodamia convergens, xiv, 24.
glacialis, xiv, 24, 33.
maculata, xiv, 21, 24.
hirticula, Lachnosterna, xvii, 35, 36, 37, 38, 39, 43, 45-46, 51, 81; xviii, 54, 113, 115, 116, 117, 119, 126, 140, 143; xx, 33; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152, 153.
hirtiventris, Lachnosterna, xvii, 47, 48, 49; xviii, 139, 141.
hirtus, Rhynchites, xvi, 75.
histrionica, Murgantia, xxiii, 196.
- Hoffman, J. W., xx, 4.
Holcomb, T. A. E., xiii, 107.
Holcus lanatus infested by Hessian Fly larvæ, xvii, 61.
Holden, P. G., xxi, 57; xxiii, 189.
Hollister, E., xiii, 91.
Hollyhock as food plant of Glassy Cut-worm, xxiii, 20.
of Grass-worm, xxiii, 82.
of Luperodes varicornis, xxiii, 187.
Honey eaten by blister-beetles, xxi, 138.
-bee, diseases of, xix, 19.
-locust, Acutalis calva on, xxi, 80.
as food plant of Common Black Blister-beetle, Misc. Ess., 19; xv, 4; xxi, 141.
defoliated by Ash-colored Blister-beetle, xxi, 140.
infested and subject to injury by Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 103; xxiv, 103, 116.
injured by Common Gray Blister-beetle, xxi, 139.
- Honeysuckle as food plant of Army-worm, xxiii, 49.
of Red-banded Leaf-roller, xxiii, 175.
of Smartweed Caterpillar, xxiii, 170.
of Zebra-caterpillar, xxi, 153.
blossoms eaten by Plum-curculio, xvii, 22.
Cottony Maple Scale on, xxiv, 103.
- Hop and Plum as alternate food plants of Hop-louse, xviii, 57.
as food plant of Green Flata, xxiii, 204.
Empoasca flavescens var. birdii on, xxi, 79.
infested by Common Red Spider, xxi, 59.
Melon Aphis on, xxi, 81.
-louse, alternate food plants of, xviii, 57.
- Hopkins, A. D., xxiii, 56.
Hopperdoser for destruction of grass-hoppers, xxi, 129; xxiii, 14.
method of making and using the, xxiii, 66.
Hops subject to attack by wireworms, xviii, 30.
- hordei, Isosoma, xiii, 32, 33, 36; xiv, 36.
- Hormaphis, xviii, 101.
- Horn, G. H., xiii, Addenda, I; Misc. Ess., 17, 18; xvi, 59, 60, 61, 63; xvii, 48; xviii, 37, 39, 47, 141; xxi, 114, 136; xxiv, 130.

- Hornbeam defoliated by Ash-colored
Plister-beetle, xxi, 140.
- Horned Lark, xxiv, 149.
- Strawberry Spanworm, xiii, 61, 79,
179.
- Horn-fly, xviii, XI.
- Horse-chestnut, Cottony Maple Scale on,
xxiv, 103.
injured by Striped Cucumber-beetle,
xxi, 127.
- Horse-nettle as food plant of adult
Southern Corn Root-worm, xviii,
148.
- Corn Flea-beetle on, xxi, 118.
eggs of meadow grasshoppers in
stems of, xxiii, 146.
infested by Potato Flea-beetle, xxi,
117.
by San Jose Scale, xxi, 42.
- Horseradish, *Agallia 4-punctata* on, xxi,
68.
- Horseweed infested by *Aphis middle-*
tonii, xxi, 161.
- hortuellus, *Crambus*, xxiii, 42, 43.
- Hothouse plants infested by Melon
Aphis, xxi, 81.
injuries to, by anguillulid, xvii, XII.
- House-ant, Common. See under Ant.
- House-fly fungus, xix, 19, 22.
- Howard, L. O., xiii, 149; xiv, 66; xv,
50; xvi, 33, 69; xx, 18, 20; xxi,
26, 57, 61; xxiii, 103; xxiv, 103,
106.
and Marlatt, C. L., xx, 1.
- howardi, *Aspidiotus*, xx, 15, 16.
- Howard's Scale, xx, 16, 17.
- Hubbard, H. G., xxi, 97.
and Schwarz, E. A., xvi, 59.
- Huber, Thomas, xviii, 13.
- hudsonias, *Systema*, xxi, 114, 119; xxiii,
190.
- Hull, E. S., Misc. Ess., 27; xv, 69.
- Hulst, Geo. D., xvii, 29.
- humaria, *Cymatophora*, xiii, 78.
- humuli, *Phorodon*, xviii, 57.
- Hungarian Grass as food plant of
Army-worm, xxiii, 49.
and breeding plant of Chinch-
bug, xv, 94; xvi, 52.
infested by Corn Root-aphis, xviii,
61.
sowed as lure for deposition of
eggs by Chinch-bug, xv, 9.
Timothy sowed with, as protection
against Chinch-bug injury, xv,
102.
- Hunt, Thomas F., xvi, 60, 62, 63.
Partial Economic Bibliography of In-
dian Corn Insects, Misc. Ess., 57-
123.
- Hyaliodes vitripennis as enemy of leaf-
hoppers, xxi, 63.
- hybridus, *Amarantus*, xviii, 61.
- Hydrocyanic acid gas, fumigation with,
to destroy San Jose Scale, xx, 24;
xxi, 25-26; xxii, 28-30, 31-44, 57. See
also under Orchard fumigation.
- Hydræcia nitela, xxiii, 44.
- hydropiper, *Polygonum*, xiii, 82.
- Hymenoptera as strawberry insects,
xiii, 60, 61.
injuries to Corn by, xxiii, 8-9.
parasitic, xiii, 25, 29, 33, 92, 103, 183;
xiv, 20, 94, 105, 110; Misc. Ess., 15;
xv, 69, 84; xvii, 5, 44, 52; xviii, 124;
xix, 46, 47, 53, 76, 79, 80; xx, 20;
xxi, 101, 107, 109, 111, 112, 117, 153;
xxiii, 22, 47; xxiv, 128, 136.
- Hypena scabra as clover leaf-roller,
xiv, 74.
- Hyperaspis binotata as enemy of Cot-
tony Maple Scale, xxiv, 115.
signata, xiv, 33, 105.
destroying eggs of Soft Maple Bark-
louse, xiv, 104; Misc. Ess., 25;
xv, 6.
- Hyperchiria io, Misc. Ess., 62; xxiii,
168-169, 230.
- Hyphantria textor, infection experiment
with, xix, 46. See also Fall Web-
worm.
- Hypoclopus mortipennellus, xxiii, 44, 95,
97.
- Hypostena barbata as parasite of Yel-
low-Black Flea-beetle, xxi, 117.

I

- Icerya purchasi*, xx, 22.
- Ichneumon, xxi, 112.
flies as parasites of Corn Plant-louse,
xiv, 24, 30.
of Wheat-Bulb Worm, xiii, 25.
parasite of Apple Leaf-skeletonizer,
xv, 60.
of Leaf-crumpler, xv, 68, 69.
- Ichneumonidæ as parasites of Sulphur
Leaf-roller, xiv, 20.
- ilicis, *Lachnosterna*, xvii, 36, 37, 41, 47,
51; xviii, 113, 140, 144; xxiv, 137,
139, 140, 141, 143, 144, 149, 151, 152,
153.
- Imbricated Snout-beetle, Misc. Ess.,
108; xxi, 143-144; xxiii, 113-114, 231.
See also *Epicærus imbricatus*.
- imbricatus, *Epicærus*, Misc. Ess., 21,
108; xvi, 76; xxi, 143; xxiii, 113.
- imbricornis, *Prionus*, Misc. Ess., 102;
xviii, 54, 146.
- immaculata, *Cyclocephala*, xvii, 40, 45,
53; xviii, 54, 110, 113, 115, 121; xx,
34; xxiv, 137.
- Siphonophora fragariæ*, xiii, 99.
- imparis, *Prenolepis*, xxiii, 158.

- impictus*, *Gnathodus*, xxi, 67.
impletella, *Euzophera*, xvii, 29.
implicata, *Lachnosterna*, xvii, 34, 36, 38, 47, 51; xviii, 121, 140, 143; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152, 153, 154.
 Imported Cabbage-worm, xiv, 6. See also Cabbage-worm, European or Imported.
 Garden Web-worm, xxi, 106, 107, 111-112.
impressifrons, *Clivina*, xviii, 8; xxi, 136; xxiii, 228.
impressus, *Iulus*, or *Julus*, xiii, 140; Misc. Ess., 123; xxiii, 223.
incertana, *Tortrix*, xiv, 20.
incivis, *Peridroma*, xxi, 146, 151.
inda, *Euphoria*, Misc. Ess., 101; xxiii, 99, 231.
Indian Cetonia, Misc. Ess., 101.
 -meal Moth, Misc. Ess., 91.
 Millet infested by Larger Corn-Stalk-borer, xxiii, 92.
indiginella, *Mineola*, xxii, 129.
juglandis, *Phycis*, xv, 70.
Myelois, xv, 65, 70.
Phycis, xv, 65, 70.
Indigo, Wild, injured by Common Gray Blister-beetle, xxi, 139.
inepta, *Lachnosterna*, xvii, 47, 51; xviii, 140, 144.
infaustus, *Melanotus*, xviii, 9, 42, 55.
infesta, *Exorista*, xiv, 65.
inimicus, *Deltocephalus*, xxi, 66, 73, 74; xxiii, 121, 123.
Jassus, xiv, 22, 67; Misc. Ess., 116; xv, 43; xxi, 74.
innumerabilis, *Pulvinaria*, xiii, 62, 98; xiv, 3, 7, 103, 115; xv, 6; xxiv, 100.
inornata, *Tiphia*, xviii, 124, 125.
 Insect and fungus pests of the nursery most important to the nursery trade, classification, description, and discussion of, xxii, 99-138. See under Nursery pests.
Insectarium, description of, xvii, XIV.
Insecticides, xx, 4, 21. See Remedies.
insectorum, *Bacillus*, xix, 23; xx, 57.
Micrococcus, xvii, 75, 76.
 Insects, method of determining food of, xx, 21.
 on some common, injuriously affecting foliage of young apple-trees in nursery and orchard, xv, 45-85.
insidiosus, *Triphleps*, xiii, 105; Misc. Ess., 16; xv, 4; xxi, 86; xxiii, 202, 233.
insperata, *Lachnosterna*, xvii, 47, 50; xviii, 139, 142.
integrifolia, *Cleome*, xxi, 123.
integrifolium, *Silphium*, xvi, 75.
interjectus, *Lasius*, xviii, 53, 88, 89, 90.
interrogationis, *Grapta*, xix, 105.
interstitialis, *Psylliodes*, xxiii, 192.
Sphenophorus, xvi, 60.
intertexta, *Liburnia*, xxi, 67.
inversa, *Lachnosterna*, xvii, 34, 35, 36, 37, 38, 39, 42, 43, 45, 46, 47, 49, 51, 81; xviii, 54, 113, 115, 116, 117, 118, 119, 120, 139, 142; xxiv, 137, 138, 139, 140, 141, 143, 144, 145, 150, 151, 152, 153.
invitus, *Capsus*, xiv, 111.
Lygus, xiv, 110-111.
io, *Automeris*, xxiii, 168.
Hyperchiria, Misc. Ess., 62; xxiii, 168, 230.
Io Moth, Misc. Ess., 62.
Ips, Banded, xviii, 8, 21, 23-28. See under Banded *Ips*.
fasciatus, Misc. Ess., 94; xviii, 8, 23. See also *Ips 4-guttatus*.
4-guttatus, xxiii, 181, 227, 228.
 devouring planted seed-corn, xxiii, 11-12.
 feeding on corn-stalks and troublesome in houses, xxiii, 182.
Iris versicolor, pollen and leaves of, as food of *Mononychus vulpeculus*, xvi, 77.
Ironweed infested by *Aphis middletonii*, xxi, 161.
 Striped Cricket abundant on, xxiii, 215.
 Irrigation of fields infested by Chinch-bug, xv, 100.
irroratus, *Allygus*, xxi, 76.
Jassus, xiii, 182; xiv, 67.
Phlepsius, xxi, 66, 76; xxiii, 205.
isabella, *Isia*, xxi, 71, 72.
Pyrrharetia, xxi, 146, 156.
Isabella Moth, general description of, xxi, 158.
Isaria arnauldii, attempt to infect chinch-bugs with, xx, 101.
cochylia, attempt as above, xx, 101.
densa, attempt as above, xx, 101.
 infesting European White-grubs, xviii, 127.
 (See also under *Botrytis tenella*.)
destructor, attempt to infect chinch-bugs with, xx, 101.
 form of *Sporotrichum globuliferum*, xix, 60, 95.
leprosa, xix, 27, 60.
 infection experiments with, xviii, 135, 136; xix, 65, 67, 78, 80, 83.
 infesting White-grubs, xviii, 133.
notitoris, attempt to infect chinch-bugs with, xx, 101.

- Isaria—Continued.
 ovalispora, attempt as above, xx, 101.
 pachytili, attempt as above, xx, 101.
- Ischnodemus falicus, contagion and infection experiments with, xix, 74, 75, 80.
- Isia isabella, xxiii, 71, 72.
- Isosoma allynii, xiii, 31, 32, 33.
 elymi, xiii, 32, 33.
 infesting Elymus canadensis, xiv, 37.
 grande, xiv, 6, 34–36.
 hordei, xiii, 32, 33, 36.
 parasite of, xiv, 36.
 tritici, xiii, 17, 30–38; xiv, 6, 34, 35, 36–37.
- italica, Setaria, xviii, 93.
- Ithycerus noveboracensis, injury to Apple by, xv, 5.
- Iulidæ, injuries by, xiii, 140.
 oviposition, development, and hibernation of, and lures for, xiii, 141.
- Iulus annulatus, xiii, 139.
 cæruleocinctus, xiii, 139. See also under Iulus.
 impressus, Misc. Ess., 123.
 injury to Corn by, xiii, 140.
 to Currant by, xiii, 140.
 (See also under Iulus.)
 multistriatus, xiii, 139.
- J**
- jaculifera, Feltia, xxiii, 17, 26.
- Jamestown Weed, or Jimson-weed, xxi, 117.
 as food plant of Ear-worm, xxiii, 67.
 of Pale-striped Flea-beetle, xxi, 122; xxiii, 108.
 infested by Melon Aphis, xxi, 81.
- Japanese Pear infested by San Jose Scale, xxi, 5.
 Plum infested by same, xxi, 27.
- Jassidæ, xxiii, 121–123, 204–206. See Leaf-hoppers.
- Jassoidea and Delphacinae, xxi, 62–79. See Leaf-hoppers.
- Jassus inimicus, xiv, 22, 67; Misc. Ess., 116.
 mistaken for young of grasshoppers, xv, 43.
 irroratus, xiii, 182; xiv, 67.
- Jay, Blue, White-grubs eaten by, xviii, 123.
- Joe Pye Weed as food plant of Acutalis calva, xxi, 80.
- John, M. D., xxii, 13.
- Johnson, B. F., xvi, 71; xxii, 19.
- Johnson, S. A., xxiv, 103, 108, 113, 114.
- Johnson, W. G., xx, v, 27, 48, 98; xxi, 106; xxii, 28, 29–30.
 On the Mediterranean Flour Moth (Ephestia kuehniella Zell.) in Europe and America, xix, Appendix.
 Report on laboratory experiments with chinch-bugs, xix, 178–179.
- Johnson Grass infested by Larger Corn-Stalk-borer, xxiii, 92.
- Joint-grass as food plant of Garden Web-worm, xxiii, 90.
- Joint-worm, xiii, 31, 36, 37.
- Jones, H. L., xxiv, 3.
- juglandis, Phycis indiginella, xv, 70.
- Iulus cæruleocinctus, xxiii, 223. See also Iulus cæruleocinctus.
 impressus, xxiii, 223. See also Iulus impressus.
- Jumping Pear-louse. Common, article on, cited, xiv, 98.
 Yellow, xiv, 98–100.
 character of injury by, and remedies for, xiv, 100.
 description of, xiv, 99.
 insecticides for, xiv, 100.
 -jacks, xviii, 30; xxi, 163.
- June-beetle. Green, or Common Green, xviii, 54, 144–145; xxiii, 102. See Green June-beetle.
 Western Green, xxiii, 102.
- June-beetles, or June-bugs, xviii, 110; xxii, 101.
 and their larvæ, natural enemies of, xviii, 122–127.
 classification of, xvii, 47.
 favorite breeding-places of, xiii, 148.
 green, xxiii, 101–103, 227.
 infection experiment with, xix, 35, 41, 95.
 injury to trees by, xiii, 145.
 light-lures for, xiii, 145.
 Sporotrichum globuliferum found on dead, xviii, 127.
 (See also under White-grubs.)
- June-berry infested by San Jose Scale, xxi, 5.
- June-bug. See June-beetle.
 Green. See Green June-beetle.
 Scaly, xxiii, 184, 226.
- June-bugs, xxiii, 98, 101, 184, 186. See also under June beetles, White-grubs, and Lachnosterna.
- June-grass as food plant of Colaspis Root-worm, xxii, 148.
 infested by Sorghum Mealy Bug, xviii, 107.
- Wheat Bulb-worm swept from, xiii, 20.
- Juniper, Paria aterrima and P. sexnotata abundant on, xiii, 161, 169.

K

Kafir Corn subject to injury by Grass-worm, xxiii, 82.

Kainit, fertilization with, for wire-worms, xviii, 50.
to destroy White-grubs, xviii, 132.

Kale as food plant of Cabbage Plusia, xxi, 152.
of Grass-worm, xxiii, 82.

Kaltenbach, J. H., xvii, 6; xxi, 82, 105.

Katyids, xiv, 23; xxiii, 143, 229.
distinguished from corn grasshoppers, xxiii, 136.

Kellicott, D. S., xiv, 20; xvi, 60, 68; xxii, 17.

Kelly, E. O. G., xxiv, 14, 24, 102, 111, 112, 157, 158, 162, 165, 166.

Kelly, J. A., xvi, 52.

Kerosene and salt to check progress of Chinch-bug, xx, 42, 44.
and sand for Clay-colored Bill-bug, xvi, 62.
effect of soap emulsion of, on trees and on San Jose Scale, xxii, 47, 51.
emulsion and barriers for Chinch-bug, xvi, 55-56.
and gasoline blast-lamp for Chinch-bug compared, xxiv, 55-56.
and lime and sulphur washes for San Jose Scale, comparison of, xxii, 90.
and mixtures for Chinch-bug, xv, 101; xvi, 37-39, 55; xix, 7; xxiii, 64; xxiv, 32-36, 40-42.
for San Jose Scale, xxii, 27, 39, 40, 41, 45-52, 56, 57; xxiv, 59.
for Tarnished Plant-bug, xiii, 133; xxi, 92.
and whale-oil soap solution, comparative cost of, xxiv, 43, 57.
cost of and results with, xxii, 45, 46, 56, 57; xxiv, 110.
effect of single treatment of trees with, xxii, 47.
experience with, for San Jose Scale, xxii, 45-50.
for Apple-leaf Aphis, xxii, 129.
for Black Peach Aphis, xxii, 110.
for Cherry-slug, xiv, 117.
for Dusky Plant-bug, xiii, 138.
for exposed strawberry insects, xiii, 69, 104.
for False Chinch-bug, xiii, 106; xxi, 96.
for Garden Web-worm, xxiii, 91.
for Green Apple Leaf-hopper, Misc. Ess., 24.
for green June-beetles, xxiii, 103.
for Pear-leaf Blister-mite, xxii, 132, 134.

Kerosene emulsion—Continued.

for Pegomyia vicina, xxi, 62.
for Root Web-worm, Misc. Ess., 13.
for scale insects, xxii, 113.
for Soft (or Woolly) Maple Bark-louse, or Cottony Maple Scale, xiv, 105, 108; xvii, XIII; xxiv, 106-114, 116.
for White-grubs, xvi, XI; xvii, 43, 53.
for wireworms, Misc. Ess., 18.
for Woolly Aphis, xxii, 107.
for Yellow Jumping Pear-louse, xiv, 100.
formulæ for, xxii, 116; xxiii, 64; xxiv, 111, 116-117.
injury to trees by, xxii, 45, 48, 49, 50, 51; xxiv, 108, 112-114.
or kerosene and water for leaf-hoppers, xxi, 63-64.
for leaf-piercing insects, xxi, 53.
for plant-lice and their eggs, xiii, 104; xxi, 81.
for Red Spider, xiv, 117; xxi, 59.
for White Ant, xix, 199.
made with whale-oil soap for San Jose Scale, xxii, 96, 97.
strict experiment with, xxii, 47.
grade of, xxii, 48, 49, 50.
pure, for San Jose Scale, xxi, 2, 40; xxii, 91-95.
for wireworms, Misc. Ess., 18.
sprayed on Apple, Cherry, Pear, and Peach, xxii, 92; effect, 93.
sprayer, "Eclipse", xxi, 40.
"Success", tests of, xxi, 41.
to kill Army-worm in post-hole traps, xxiii, 51.
Chinch-bug in same, xxiii, 63.
to prevent oviposition of Pieris rapæ on Cabbage, Misc. Ess., 128.
use of, by orchardists, for scale insects, xxi, 2.

Kingbird, xxiv, 149.
White-grubs eaten by, xviii, 123.

knochii, Cremastochilus, xxiii, 183.
Lachnosteria, xvii, 47, 50; xviii, 140, 143.

Knotweed as food plant of Apantesis phalerata, xxiii, 76.
infested by Beet Aphis, xxi, 159.

Koch, C. L., xiii, 100; xviii, 94.

Koebele, Albert, xvii, 61.

koebeli, Novius, xx, 22.

Köllar, Vincent, Misc. Ess., 27.

Krassiltschik, J., xviii, 127.

kuehniella, Ephestia, xix, Appendix.

Kybos, Misc. Ess., 23.

L

- Labiatae, xiii, 87.
 labiatum, Omophron, Misc. Ess., 92; xxiii, 178, 227.
 Lace-wing Fly, larva of, preying on Apple Leaf-skeletonizer, xv, 60.
 on Corn Plant-louse, xiv, 33.
 flies, xiii, 45.
 as enemies of plant-lice, xiv, 33; xxi, 81; xxiii, 14.
 Lachnosterna, xxi, 163-165; xxiv, 135-168.
 affinis, xvii, 47, 49; xviii, 140, 142.
 and Cyclocephala, xvii, 30-53; xviii, 109-144. See also White-grubs. discussion of, cited, xxiii, 69.
 distinctions between, xvii, 30; xviii, 121.
 larvæ, infection experiments with, xviii, 134-137.
 and Ligyrus, xxi, 163-165.
 arcuata, xvii, 34, 36, 38, 47, 50; xviii, 139, 142.
 article on, cited, xxiv, 137.
 reared from egg to adult, xxiv, 137.
 balia, xvii, 47, 51; xviii, 140, 143.
 beetles, collections of, at lights and on trees compared, xxiv, 139-140.
 and in given localities in different years compared, xxiv, 140, 141.
 comparative collections of, from different food plants, xxiv, 144.
 dissections of, to determine food of, xxiv, 144-145.
 evening flight and morning dispersal of, xxiv, 146, 148-150.
 habits of reproduction of, xxiv, 150-154.
 infection experiment with, xix, 41.
 infested by *Sporotrichum globuliferum*, xix, 57.
 oviposition of, general and specific notes on, xxiv, 153-154.
 period of activity of, xxiv, 151.
 ratio of males to females in collections of, xxiv, 151-152.
 bipartita, xviii, 139, 142.
 congrua, xvii, 48, 49; xviii, 139, 142.
 corrosa, xvii, 47, 50; xviii, 140, 143.
 crassissima, xvii, 47, 49; xviii, 139, 142.
 crenulata, xvii, 47, 51; xviii, 116, 140, 144; xxiv, 154, 163.
 dubia, xvii, 47, 50; xviii, 139, 142; xxiv, 139, 141, 151.

Lachnosterna—Continued.

- ephilida, xvii, 47, 48; xviii, 116, 139, 141; xxiv, 153.
 fraterna, xvii, 36, 37, 47, 50, 51; xviii, 140, 143.
 fusca, xvii, 32, 36, 37, 38, 45, 47, 48, 50, 51; xviii, 54, 139, 140, 142; xx, 33; xxiv, 137, 138, 139, 140, 141, 142, 143, 144, 151, 152, 154.
 and inversa, description of larvæ of, xvii, 46; xviii, 138.
 food of adult, xviii, 115.
 or inversa, eggs and larval period of, xviii, 113.
 genus, description of larva of, xvii, 46; xviii, 138.
 gibbosa, xvii, 35, 36, 37, 38, 45, 47, 48, 49, 51; xviii, 54, 113, 139, 141; xxiv, 137, 139, 140, 141, 142, 143, 144, 152.
 description of larva of, xvii, 46; xviii, 139.
 parasite of, xviii, 124.
 glaberrima, xvii, 47, 48; xviii, 139, 141.
 gracilis, xvii, 47, 49; xviii, 140, 141 (Errata).
 grandis, xvii, 47, 50; xviii, 139, 142.
 hirticula, xvii, 35, 36, 37, 38, 39, 45, 47, 51; xviii, 54, 113, 140, 143; xx, 33; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152, 153.
 and rugosa, description of larvæ of, xvii, 46; xviii, 139.
 Chlænienus tomentosus feeding on, xviii, 126.
 food of adult of, xvii, 43; xviii, 115.
 infested by *Sporotrichum globuliferum*, xvii, 81.
 hirtiventris, xvii, 47, 48, 49; xviii, 139, 141.
 ilicis, xvii, 36, 37, 41, 47, 51; xviii, 113, 140, 144; xxiv, 137, 139, 140, 141, 143, 144, 149, 151, 152, 153.
 implicita, xvii, 34, 36, 38, 47, 51; xviii, 121, 140, 143; xxiv, 137, 138, 139, 140, 141, 143, 144, 149, 151, 152, 153, 154.
 inepta, xvii, 47, 51; xviii, 140, 144.
 injurious species of, found in Illinois, xxiv, 137.
 insperata, xvii, 47, 50; xviii, 139, 142.
 inversa, xvii, 34, 35, 36, 37, 38, 39, 45, 47, 49, 51; xviii, 54, 113, 139, 142; xxiv, 137, 138, 139, 140, 141, 143, 144, 145, 150, 151, 152, 153.
 eggs of, xviii, 113, 118.
 food of adults of, xvii, 43; xviii, 115.

Lachnosterna inversa—Continued.

- infested by *Sporotrichum globuliferum*, xvii, 81.
 larval period of, or of *L. fusca*, xviii, 113.
 key to Illinois species of, xvii, 47–51; xviii, 140–144.
 knochii, xvii, 47, 50; xviii, 140, 143.
 lanceolata, xvii, 47, 48; xviii, 139, 141; xxiii, 184.
 larvæ, infection experiment with, xix, 72, 77, 78, 79.
 killed by hymenopterous parasite, xix, 79.
 life histories of injurious species of, xxiv, 137–140.
 life history and habits of, xvii, 31–40; xviii, 115–121.
 limula, xvii, 47, 51; xviii, 140, 143.
 list of Illinois species of, xvii, 47; xviii, 139–140.
 longitarsus, xvii, 47, 49; xviii, 139, 141.
 marginalis, xvii, 47, 50; xviii, 140, 143.
 micans, xvii, 47, 50; xviii, 139, 142.
 nova, xvii, 47, 50; xviii, 140, 143.
 prætermisssa, xvii, 47, 48; xviii, 139, 141.
 prunina, xvii, 47, 49; xviii, 139 (*Er-rata*), 142.
 pupæ and imagos of, from earth, xvii, 37–38.
 rubiginosa, food plants of, xviii, 115.
 rugosa, xvii, 35, 36, 37, 38, 45, 47, 50; xviii, 54, 111, 112, 113, 140, 143; xxiv, 137, 139, 140, 141, 143, 144, 145, 149, 150, 151, 152.
 eggs of, xviii, 113.
 injury to Beet by, xxi, 164.
 tristis, xvii, 36, 37, 41, 47, 51; xviii, 113, 140, 144; xxiv, 137, 138, 139, 140, 141, 143, 144, 152.
 villifrons, xvii, 47, 51; xviii, 140, 143.
 spp., xiii, 62, 143; Misc. Ess., 100; xvii, 40, 41, 45.
 eggs of, xviii, 118–119.
 imagos of, xviii, 115–117.
 larval period of, xviii, 119–120.
 modes and places of hibernation of, in central Illinois, xxiv, 155–156.
 pupation and formation of beetles of, xviii, 120.
 variation in numbers and dominance of, xxiv, 140–142.
 (See also White-grubs.)

lacustris, *Scirpus*, xvi, 68.

Ladybird, minute, as enemy of San Jose Scale, xx, 21.

Ladybird—Continued.

- Twice-stabbed, xxi, 43, 44.
 or Two-spotted, as enemy of San Jose Scale, xx, 20.
 description of, xx, 20.
 (See also Ladybug, Twice-stabbed or Two-spotted.)
 (See also Ladybug.)
 Ladybirds as enemies of Common Garden Web-worm, xxi, 109.
 (See also Ladybugs.)
 Ladybug, Common, Misc. Ess., 92; xxiii, 231.
 as check on multiplication of Corn Plant-louse, xiv, 22.
 description of, xxiii, 179.
 injury to Corn by, xiv, 22; xxiii, 179.
 ordinary food of, in corn fields, xiv, 22.
 Smaller Two-spotted, as destroyer of Maple Bark-louse, xiv, 33.
 Twice-stabbed, as enemy of Cottony Maple Scale, xxiv, 115.
 (See also Ladybird, Two-spotted or Twice-stabbed.)
 Ladybugs, xxi, 99, 113.
 as enemies of Cottony Maple Scale, xxiv, 115, 117.
 of plant-lice, xiii, 103; xiv, 24, 33; xxi, 81.
 food habits of and injury by, xxiii, 179.
 (See also Ladybirds.)
 Lamb's-quarters, xxi, 52.
 as food plant of *Agallia sanguinolenta*, xxi, 70.
 of *Apantesis arge*, xxiii, 75.
 of beet leaf-miners, xxi, 60.
 of Beet Web-worm, xxi, 110.
 of Cabbage Plusia, xxi, 152.
 of *Campylacantha olivacea*, xxi, 135; xxiii, 213.
 of European Beet-Tortoise-beetle, xxi, 124.
 of Garden Mamestra, xxi, 151.
 of garden web-worms, xxi, 106, 107.
 of Grass-worm, xxiii, 82.
 of Pale-striped Flea-beetle, xviii, 22; xxi, 122; xxiii, 108.
 of Red-headed Flea-beetle, xxi, 120.
 of *Silpha bituberosa*, xxi, 137.
 of Spotted Blister-beetle, xxi, 139.
 of Three-spotted Flea-beetle, xxi, 115.
 of Yellow-Black Flea-beetle, xxi, 116.
 of Zebra-caterpillar, xxi, 153.

Lamb's-quarters—*Continued.*

- devoured by *Tanymecus confertus*, xxi, 145.
 eggs of meadow grasshoppers in stems of, xxiii, 146.
 infested by *Aphis atriplicis*, xxi, 82.
 by *Melon Aphis*, xxi, 81.
 by *Phlepsius irroratus*, xxi, 76.
Lamellicornia, xxiii, 180.
lamprosana, *Pandemis*, xiv, 109.
 Lampyrid beetle infested by *Sporotrichum globuliferum*, xix, 74.
lanatus, *Holeus*, xvii, 61.
lanceolata, *Coreopsis*, xiii, 108, 109.
Lachnosterna, xvii, 47, 48; xviii, 139, 141; xxiii, 184.
Plantago, xvi, 51; xxi, 100.
lanceolatum, *Cirsium*, xix, 57.
 Land-plaster, xvi, 60.
 Lane, R. W., xiv, 50.
lanigera, *Cotalpa*, xiii, 62, 63, 143, 146, 179.
Schizoneura, xxii, 106.
 Lantern-flies or *Flatas*, xxi, 83–85.
lanulosa, *Achillæa*, xxi, 159.
Laphygma flavimaculata, xxi, 51, 150–151.
frugiperda, xiv, 3, 6, 55–67; *Misc. Ess.*, 74; xxi, 149–150; xxiii, 10, 81–83.
Lappa major, Sulphur Leaf-roller bred from, xiv, 20.
lapponica, *Melasoma*, xxiii, 186.
Plagiodera, xiv, 117.
 Larch, injury to, by Red Spider, xiv, 117.
 liable to destruction by White-grubs, xviii, 109, 114.
 Large-eyed Purslane Bug or Plant-bug, xxi, 94, 95.
 Larger Corn-Stalk-borer, xxiii, 91–93, 233.
 Meadow Grasshopper, oviposition of, and preference as to localities, xxi, 135.
 Striped Flea-beetle, xxi, 115.
 Lark, Horned, xxiv, 149.
larvalis, *Sphenophorus*, xvi, 60.
Lasius, xviii, 87; xix, 53.
alienus, attentions to Corn Plant-louse by, *Misc. Ess.*, 46; xv, 6.
 (See also *L. brunneus* var. *alienus* and *L. niger alienus*.)
brunneus var. *alienus* attendant on Corn Root-aphis and Grass Root-louse, xvii, 65.
 food of, xvii, 66.
 fornicaries of, xvii, 65.
 life history of, xvii, 65, 67.

Lasius—*Continued.*

- flavus*, *Misc. Ess.*, 46.
 attentions to Clover Bark-louse by, xiv, 72.
 to Grass Root-louse by, xviii, 90.
 to plant-lice by, xiii, 45, 48, 52; xiv, 24, 29.
interjectus, xviii, 53, 66.
 attendant on Corn Root-louse, xviii, 66.
 on Grass Root-louse, xviii, 88, 89, 90.
 on *Trama erigeronensis*, xviii, 93.
 mixtus attendant on *Geoica squamosa*, xviii, 99, 100.
Trama erigeronensis in nest of, xviii, 93.
niger, xviii, 53, 62, 66; xxiii, 159.
alienus, xviii, 53, 62, 66, 71; xxi, 161; xxiv, 14, 19, 21, 22, 24, 25, 26.
 feeding on earthworm, xxiv, 26.
 and *L. niger alienus* attendant on Grass Root-louse, xviii, 90.
 on Sorghum Mealy Bug, xviii, 107.
 description of, xviii, 85.
 distinguishing characters of, xviii, 85.
 food of, xviii, 84.
 haunts, actions, and habits of, xviii, 83.
 life history of, xviii, 82–83.
 attendant on Corn Leaf-aphis, xxiii, 126.
 on *Geoica squamosa*, xviii, 99, 100.
 on Sorghum Mealy Bug, xviii, 107.
 on *Trama erigeronensis*, xviii, 93.
 sp. attendant on *Geoica squamosa*, xviii, 99, 100.
 on *Schizoneura venusta*, xiii, 52.
lateralis, *Corizus*, xxi, 96.
Thyreocoris, xiii, 108.
laticlavia, *Anomæa*, xix, 81.
laticollis, *Prionus*, xviii, 54, 146.
latifasciata, *Trimerotropis*, xxi, 132.
latifolia, *Typha*, xvi, 60; xxii, 17.
latipennis, *Ceanthus*, xxiii, 146, 216, 217, 218.
 Latridiidae, xxiii, 180, 182.
Latridius pulicarius, xxiii, 182.
 Lawns, injury to by root web-worms, xvi, IX.
 by sod web-worms, xxiii, 35.
 by White-grubs, xvi, XI.
 Leaf-aphis, Apple, xxii, 127. See Apple Leaf-aphis.
 Leaf-beetle, Southern Corn, xxiii, 103–104, 231.

- Leaf-beetles, xxi, 112-128; xxiii, 186-187.
 as enemies of the Beet, xxi, 112, 113, 114.
 character of injuries by, xxi, 113.
 general description of, xxi, 113.
 insecticides for and preventive measures against, xxi, 113.
 life history of, xxi, 114.
- Leaf-bug, Dusky, xxi, 92; xxiii, 199, 233.
 feeding on Corn pollen, xxiii, 202.
 Four-lined, xxiii, 200-201, 233.
 Green, xxi, 87, 90.
- Leaf-bugs, general description of, and conspicuous differences in species of, xxi, 87.
 leaf-folders, leaf-hoppers, leaf-miners, and leaf-rollers, characterization of injuries to beets by, xxi, 56.
 life history of, xxi, 87.
- Leaf-chafers, xxiii, 183, 184-186.
 injurious to Corn, xxiii, 12.
- Leaf-crumpler, xv, 65-74.
 appearance and injury of, briefly characterized, xv, 65; xxii, 130.
 description of, xv, 67, 71-72.
 distribution of, xv, 72.
 food plants of, xv, 66, 67, 69, 73.
 hibernation of, xxii, 129.
 injuries by, xv, 65, 66, 67, 68, 70.
 introduction of, into new localities, xv, 73.
 larval case and habits of, described, xv, 65, 68, 69.
 life history of, xv, 65, 73; xxii, 130.
 literature of, xv, 65-71.
 parasites of, xv, 68, 69, 70, 73.
 Rascal, xv, 59, 67.
 recognition of, at different seasons, xxii, 130.
 remedies for and protective measures against, xv, 74; xxii, 131.
 trees infested by, and injury done, xxii, 130.
- Leaf-eating beetles, xxi, 136, 137.
 caterpillars, exposed, species of, which feed upon the Beet, xxi, 145-158.
- Leaf-folder or Leaf-roller, Lesser Apple, xii, 183. See under Apple, Leaf-roller or Leaf-folder.
- Leaf-footed plant-bugs, xxiii, 197, 233.
- Leaf-hopper, Apple, xxiii, 121.
 Green, Apple, xiii, 181-182.
 injury to Currant and Gooseberry by, xiv, 117.
 Three-banded, injury to White Elm by, xiv, 115.
- Leaf-hoppers, Misc. Ess., 116; xxiii, 204-206, 233.
- Leaf-hoppers—*Continued.*
 character of injury to beets by, xxi, 56, 62-63.
 to Corn by, xxiii, 7.
 common, xxiii, 121-123.
 contagion experiment with, xix, 77.
 device for destruction of, xxi, 64.
 eggs of, xxi, 63.
 enemies of, xxi, 63.
 grain, xiv, 67-69.
 grape-vine, general description and life history of, xxi, 79.
 on beets, xxi, 67, 79.
 infesting the Beet, xxi, 50, 64-79.
 injury by, to young Corn, xiv, 22.
 life history of, xxi, 63.
 mistaken for young grasshoppers, xv, 43.
 parasites of, xxi, 63.
- Leaf-miner, Blackberry, xiv, 87.
 Corn, Misc. Ess., 92; xxiii, 164, 226.
 general description of different stages of, xxiii, 164.
 tineid, injuries by, xxiii, 176.
- Leaf-miners as beet insects, xxi, 50, 51, 59-62. See under Sugar-beet leaf-miners.
 characterization of injury to Beet by, xxi, 56.
- Leaf-mining moths, xxiii, 164.
- Leaf Mite, Grape, xiv, 84-86.
- Leaf-roller, Common Strawberry, xiii, 61, 87-93.
 Currant and Gooseberry, description of, xiv, 118.
 European, xiii, 87.
 Greenhouse, xxi, 105-106.
 Oblique-banded, as Soft Maple insect, xiv, 109.
 as strawberry insect, xiii, 61, 94-95.
 calendar of, xiii, 179.
 description, food plants, and disease of, and treatment for, xiii, 94, 95.
- Peach-tree, as strawberry insect, xiii, 62, 97.
 calendar of, xiii, 179.
- Plain, Strawberry, xiii, 61, 95-96.
 calendar of, xiii, 179.
- Red-banded, xiv, 20-21; Misc. Ess., 88; xxiii, 175-176.
 as cranberry insect, xiv, 20.
 bred from Corn, xiv, 20.
 description of adult, xiv, 20, 21.
 indication of presence of, in Corn, xiv, 20.
 literature and synonymy of, xiv, 20-21.
 range and food plants of, xiv, 21.
- Sulphur, xiv, 17-20; xxiii, 174-175.
 description of, xiv, 18.
 distribution of, xiv, 19.

- Leaf-roller, Sulphur—*Continued*.
 injuries to vegetation by, xiv, 19–20.
 life history of, xiv, 19.
 literature of, xiv, 17.
 natural enemies of, xiv, 20.
- Leaf-rollers, xxi, 105–106; xxiii, 174–176, 226.
 Clover, xiv, 74.
- Leaf-skeletonizer, Apple, xiv, 7, 97; xv, 58–64. See Apple Leaf-skeletonizer.
- Leaf-spots, xxii, 103.
 description of, xxii, 103, 104.
 fungi of, xxii, 103.
- Leaf-stem Gall-fly, Strawberry, xiii, 97.
- Leaf-tyer, Green Apple, xv, 77. See Apple Leaf-roller, Lesser.
- Hammond's, xv, 59. See Apple Leaf-skeletonizer.
- Leaf-worm, Green Beet-, xxi, 146, 151–152.
- Leather-jackets, or meadow maggots, xvi, 78–83; xxiii, 161.
- LeBaron, Wm., xiii, 88, 107, 115, 117; xiv, Appendix, VI, VII, VIII; Misc. Ess., 23; xv, 66, 69, 70, 75, 76, 77, 84, 100; xvi, XI, 32; xx, 35.
- lecanii, Coccophagus, xiv, 105; xxiv, 114.
 Platygaster, xiv, 105.
- Lecanium nigrofasciatum, xxii, 118.
 Peach, xxii, 113, 118.
 quercitronis, xiv, 105.
 sp., xiv, 115.
- LeConte, J. L., xiii, 164, Addenda, I; xvi, 59, 60, 61; xviii, 41, 42; xix, 21.
 and Horn, G. H., xiii, 153; xvi, 59.
- lecontei, Callimorpha, xv, 2.
- leguminicola, Cecidomyia, Misc. Ess., 15; xv, 3; xviii, XI.
- Leguminosæ devoured by Striped Blister-beetle, xxi, 140.
 infested by Nectarophora pisi, xxi, 83.
- Leighton, J. M., xvi, 98.
- lemniscata, Epicauta vittata, xxi, 140.
- Lepidium infested by San Jose Scale, xxi, 42.
 virginicum as food plant of Raspberry Measuring-worm, Misc. Ess., 129.
- Lepidoptera as strawberry insects, xiii, 60, 61.
 injuries to Corn by, xxiii, 10–11.
- Lepidopterous larvæ, infection experiment with, xix, 72.
- leprosa, Isaria, xviii, 133, 135, 136; xix, 27, 60, 65, 67, 78, 79, 80, 83.
- Leptoglossus, xxiii, 197–198.
 oppositus, xxiii, 197, 198.
 phyllopus, xxiii, 197–198.
- Lerema accius, xxiii, 166–167.
- lerouxii, Halictus, xxiii, 8, 156.
- Lesser Grasshopper, or Locust, Misc. Ess., 120; xxiii, 136, 229.
 Migratory Locust, xxiii, 67.
- Lettuce as food plant of Army-worm, xxiii, 49.
 of Cabbage Plusia, xxi, 152.
 of Common Striped Cutworm, xxiii, 34.
 of Dark-sided Cutworm, xxiii, 33.
 of Dingy Cutworm, xxiii, 27.
 of Garden Web-worm, xxiii, 90.
 of Glassy Cutworm, xxiii, 20.
 of Hedgehog Caterpillar, xxiii, 74.
 of Noctua plecta, xxi, 105.
 of Salt-marsh Caterpillar, xxiii, 74.
 of W-marked Cutworm, xxiii, 31.
 of Yellow-headed Cutworm, xxiii, 21.
 of Zebra-caterpillar, xxiii, 171.
 injured by False Chinch-bug, xxi, 96.
 by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
 subject to attack by wireworms, xviii, 30.
- Leucania albilinea, xxiii, 83–84.
 pseudargyria, xxiii, 171, 231.
 unipuncta, xiii, 61, 84; xx, 106–109; xxi, 147–148; xxiii, 17, 47–51, 227.
 See also Army-worm.
- Leucartia acraea, Misc. Ess., 59; xxi, 146, 156.
- leucopterus, Blissus, Misc. Ess., 112; xv, 89; xvi, 1; xvii, 81; xix, 16; xxiii, 57.
- leucostigma, Notolophus, xxii, 136.
 Orgyia, xiv, 117.
- Leydig, F., xix, 19.
- Liburnia intertexta, xxi, 67.
 ornata, xxi, 65, 67; xxiii, 204.
 puella, xxi, 65, 68.
- Lichens, spores of, as food of ladybugs, xxiii, 179.
- Lichtenstein, Jules, xiii, 52.
- Lick, James, xx, 4.
- Light-traps for May-beetles, xvi, XI.
- lignicolor, Hadena, xxiii, 17, 31, 231.
- lignosella, Pempelia, Misc. Ess., 86.
- lignosellus, Elasmopalpus, xxiii, 7, 10, 94.
- Ligustrum injured by Mealy Flata, xxi, 84.

- Ligyrocoris sylvestris*, xxiii, 198, 233.
Ligyryus, xxi, 52, 163; xxiii, 228.
 character of injury to Corn by, xxiii, 7.
gibbosus, xxi, 50, 165; xxiii, 98, 184, 228; xxiv, 137.
relictus, xxiv, 137.
rugiceps, xxiii, 99.
 Lilac as food plant of May-beetles, xxiv, 143.
 of Smartweed Caterpillar, xxiii, 170.
 of Yellow Bear, xxiii, 74.
 Green Flata on, xxi, 84.
 Lilies, bulbs of, devoured by iulids, xiii, 140.
 Lily as food plant of Zebra-caterpillar, xxiii, 171.
 Lima Bean destroyed by Western Green Stink-bug, xxi, 99.
 Lime, air-slaked, for Apple Leaf-skeletonizer, xv, 64.
 and London purple or Paris green for beet insects, xxi, 54.
 and same for blister-beetles, xxi, 138.
 and same, with Bordeaux mixture added, for beet insects, xxi, 53.
 and sulphur washes for the San Jose Scale, xxii, 67-90. See under California and under Oregon.
 arsenite of, for Canker-worm, xxii, 141.
 for Codling-moth and curculios, Misc. Ess., 27-28, 37-39, 41, 44-45.
 for Corn Root-aphis, xviii, 76, 77.
 or chloride of, fertilization with, for wireworms, xviii, 49, 50.
 sulphur, and blue vitriol for San Jose Scale. See under Oregon wash and under California.
 and salt for San Jose Sale. See under California.
 to prevent injury by *Colaspis brunnea*, xiii, 179.
 -water for Chinch-bug, xvi, 41.
Limneria eurycreontis as parasite of Common Garden Web-worm, xxi, 109.
fugitiva, xv, 70.
tibiator, xxi, 112.
 sp. as parasite of Lesser Apple Leaf-roller, xv, 84.
Limnobaris deplanata, xxiii, 229.
 found on Corn, xxiii, 193.
limula, *Lachnosterna*, xvii, 47, 51; xviii, 140, 143.
 Lindeman, K., xvii, 61.
 Linden infested by Putnam Scale, xxii, 115.
 Linden—*Continued*.
 injuries to, by Cottony Maple Scale, xxiv, 102, 103, 116.
 (See also *Basswood*.)
linearis, *Suæda*, xxi, 128.
lineata, *Deilephila*, xxi, 146, 155.
lineatella, *Anarsia*, xiii, 62, 141.
Prodenia, xxi, 148; xxiii, 79.
lineatus, *Lygus*, xiii, 117.
Pæcilocapsus, xxiii, 200, 233.
lineolaris, *Coreus*, xiii, 116.
Lygus, xiii, 10, 62, 115; xiv, 77.
Phytocoris, xiii, 116.
lineolata, *Cremastogaster*, xxiii, 126.
 Linney, Charles E., xx, 19, 49.
 Lintner, J. A., xiii, 15, 16, 20, 21, 24, 72; xiv, 21, 58, 84, 108; Misc. Ess., 6, 16; xv, 2; xvi, 61, 62, 78; xviii, 17, 25, 123; xxi, 59, 60, 61, 121; xxiii, 19, 31, 86, 100, 180, 182, 223.
Lioderma sp., xxi, 52.
uhleri, xxi, 97.
 Lippincott Publishing Company, J. B., xxi, 57.
 Liquidambar as food plant of May-beetles, xviii, 114.
 Liriodendron as food plant of May-beetles, xxiv, 143.
tulipifera, xix, 195.
lithocolletidis, *Sympiezus*, xv, 50, 57.
Lithocolletis cratægella, xv, 52.
geminatella, xv, 52, 53, 55.
 Little, or Common, Negro-bug, or Negro-bug, xvi, 51; xxi, 99-100; xxiii, 115-116, 233.
lividus, *Euderus*, xxiv, 128.
Lixus concavus, xxiii, 114, 229.
 food of, xvi, 76.
mucidus, xxiii, 114, 229.
terminalis bred from Smartweed, xvi, 76.
 Lloyd, W. B., xxiii, 145.
 Lobelia as food plant of Red-banded Leaf-roller, xxiii, 175.
 of Spotted Cutworm, xvi, 87.
 -water for Chinch-bug, xvi, 40.
 Lobelias subject to attack by wireworms, xviii, 30.
lobicornis, *Myrmica scabrinodis*, xiii, 8, 11, 53; xxiii, 158, 228.
 Lockwood, Samuel, xiii, 147, 148.
 Locust as food plant of Imbricated Snout-beetle, xxi, 143.
 Black, as food plant of May-beetles, xviii, 114.
 defoliated by Ash-colored Blister-beetle, xxi, 140.
 infested by *Nematus robinæ*, xiv, 116.
 injured by Gray Blister-beetle, xxi, 139.

Locust, Black—*Continued*.
 subject to injury by Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 104; xxiv, 103.
Cymatophora crepuscularia collected from, xiv, 72.
 infested by Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 Locust, Lesser Migratory, xxiii, 67.
 Olive. See Olive, or Lubber, Grasshopper.
 Red-legged. See Red-legged Grasshopper.
 Rocky Mountain, Misc. Ess., 120; xv, 42, 43; xxi, 130, 133, 134, 142; xxiii, 65, 136, 229.
 Thirteen-year, used to infect Chinch-bug with white muscardine, xix, 90.
locustarum, *Trombidium*, xv, 40, 43.
 Locustidæ, xxi, 128, 131; xxiii, 13.
 and Acrididæ, distinctions between, xxi, 128, 129-130.
 Locustids devouring adult Northern Corn Root-worm, xviii, 161.
 Locusts, xxi, 128. See also Grasshoppers.
 of central Illinois, on the injurious, Misc. Ess., 48-56; xv, 40-44.
 Lombardy Poplar as food plant of May-beetles, xviii, 114.
 of Smartweed Caterpillar, xxiii, 170.
 of Smear'd Dagger, xiii, 82.
 injury to, by *Crepidodera helxines*, xiv, 117.
 London purple, xxi, 81.
 and lime for blister-beetles, xxi, 138.
 for insects injurious to beet leaves, xxi, 54.
 for Chinch-bug, xvi, 42.
 for Codling-moth, or for same and curculios, Misc. Ess., 35-37, 40, 43-44; xv, 7, 14, 20; xvii, 23-24, 25.
 for Paria root-worms, xiii, 171.
 for Strawberry False Worm, xiii, 76, 80.
 to protect Corn plant against bill-bugs, xvi, 72.
 seed-corn against *Agonoderus pallipes*, xviii, 13.
 Long Johns. See Blister-beetles.
longicornis, *Diabrotica*, xiii, 55; xiv, 5; Misc. Ess., 19, 103; xv, 4; xvii, XI, 71; xviii, 55, 146, 154; xxi, 115, 127; xxiii, 4, 69, 187, 188, 231.
longipennis, *Dissosteira*, xxiii, 213, 229.
longitarsus, *Lachnosterna*, xvii, 47, 49; xviii, 139, 141.
Longitarsus melanurus, xxi, 114, 122.

lophantæ, *Rhizobius*, xx, 22.
Lophoderus triferanus, xiv, 20; xxiii, 175.
velutinanus bred from Blackberry, xiv, 88.
 from Strawberry, xiv, 81.
 Loquat as food plant of San Jose Scale, xxi, 13.
 "Los Angeles Co. Wash No. 5" for San Jose Scale, xxii, 96, 97.
 Lowe, V. H., xxii, 122.
Loxostege, xxiii, 10.
chortalis, xxi, 107.
similalis, xxi, 51, 107, 108-109; xxiii, 89-91, 227.
sticticalis, xxi, 51, 109-111.
Lozotania fragariæ, xiii, 97.
 Lubber, or Olive, Grasshopper, xxi, 130.
 See Olive, or Lubber, Grasshopper.
 Lucerne as food plant of Zebra-caterpillar, xxiii, 171.
lucublandus, *Pterostichus*, xxiii, 177.
Ludius, xviii, 32.
 Lugger, Otto, xvi, 49, 62; xvii, 76, 79; xviii, 148; xix, 23; xxi, 57; xxiii, 20, 32, 175, 195.
Lumbriculus sp., Misc. Ess., 25.
Luperodes varicornis, xxiii, 187, 227.
brunneus, xxiii, 187.
 Lupines injured by Common Gray Blister-beetle, xxi, 139.
luteolellus, *Crambus*, xxiii, 38, 40, 41, 42, 43, 153, 154, 155, 230.
lutulentus, *Aphodius*, Misc. Ess., 98; xviii, 14.
 Lygæidæ, general description of family of, and of beet-leaf species of, xxi, 93.
 how to distinguish, from Capsidæ, xxi, 87.
Lygus invitus, description of, and note on life history of, xiv, 111.
 injury to Soft Maple by, xiv, 111.
lineatus, xiii, 117.
lineolaris, xiii, 10, 62, 115-135; xiv, 79-80. See Tarnished Plant-bug.
pratensis, xxi, 87; xxiii, 12, 118-120, 233. See Tarnished Plant-bug.
 Lyttkins, August, xxiv, 168.

M

McCook, H. C., xxiii, 159.
 McElfresh, F. M., xxii, 68.
 McHenry, S. A., xxiv, 43, 48.
 McIntire, H. C., xiv, 55.
 McLaren, H. E., xxii, 13.
 McMurtrie, William, Misc. Ess., 35.
Macrobasis sp., xv, 41.
unicolor, xxi, 138.
Macrecoleus chlorionis, xxi, 87, 90.

- Macroductylus subspinosus*, Misc. Ess., 98; xxiii, 184, 227.
Macrophthalma disjuncta as parasite of White-grubs, xxiv, 160.
 general description of adult, and insectary notes on, xxiv, 161.
Macropsis nobilis, xiv, 22; Misc. Ess., 117; xxi, 69.
novellus, xxi, 69.
Macrosiphum granaria taken on Corn, xxiii, 206.
trifolii, xxiii, 208.
maculata, *Epicauta*, xxi, 138, 139.
Hippodamia, xiv, 21, 24.
Megilla, xiv, 33; Misc. Ess., 92; xxiii, 179.
maculatus, *Emphytus*, xiii, 61, 69, 71; xiv, 77.
 Madder family as favorite food plants of *Theretra tersa*, xxiii, 167.
Magdalis armicollis infesting dead bark and wood of White Elm, xiv, 112, 113.
Maggots, leaf-mining, xxiii, 9.
maidaphidis, *Adalytus*, xiv, 30, 31.
maidiradicis, *Aphis*, xvii, 64; xviii, 10, 58, 104; xxii, 146; xxiii, 12, 69, 156; xxiv, 8.
maidis, *Aphis*, xiii, 40, 41, 42, 46, 53; Misc. Ess., 117; xvi, XII; xviii, 70, 71, 73, 74, 82; xix, 85; xxiii, 12, 123, 156.
 Thrips, xxiii, 136.
 Maine Agricultural Experiment Station, xxi, 57.
major, *Eragrostis*, xxi, 94.
Lappa, xiv, 20.
Plantago, xvii, 67; xviii, 61.
malefica, *Erythroneura*, xiii, 182.
mali, *Aphis*, xiv, 98; xvii, 68; xviii, 57; xxii, 127.
Empoasca, xxi, 67, 77, 79; xxiii, 121, 123.
Tettigonia, Misc. Ess., 24.
malifoliae, *Aphis*, xiv, 98.
malifoliella, *Tischeria*, xv, 45.
maligna, *Erythroneura*, xiii, 182.
malivorana, Teras, xiii, 183; xiv, 7, 97; Misc. Ess., 10, 23; xv, 60, 79.
Tortrix, xv, 75, 78, 79, 81.
 Mallow as food plant of Ear-worm, xxiii, 67.
 of Red-headed Flea-beetle, xxi, 120.
 Mally, C. W., xxiv, 44.
 Mally, F. W., xvii, 70; xviii, 135.
Malus, xv, 46, 52.
Malva rotundifolia infested by *Myzus achyranthes*, xxi, 83.
Mamestra chenopodii, xxi, 151.
 Garden, xxi, 51, 151.
- Mamestra*—Continued.
meditata, xvi, 94.
picta, xxi, 146, 153-154; xxiii, 171.
renigera, xvi, 95; xxiii, 17, 35.
trifolii, xxi, 51, 146, 151.
 sp. on beets, xxi, 151.
mancus, *Agriotes*, Misc. Ess., 18, 96; xviii, 8, 29, 36-39, 54.
 Manure beetles, xxi, 163.
 Mangel-wurzel injured by Black Vine-weevil, xxi, 144.
 subject to injury by wireworms, xviii, 30.
 Maple, xxi, 17.
 as food plant of Horned Spanworm, xiii, 79.
 of May-beetles, xviii, 114.
 Bark-louse, Soft, xiv, 3, 7.
 as strawberry insect, xiii, 62, 98.
 dispersion of, by birds, xiv, 105.
 experiments with local applications for, xiv, 105-109.
 natural enemies of, xiv, 104-105; Misc. Ess., 25; xv, 6.
 notes and experiments on the, xiv, 103-109.
 plants infested by, xiv, 103, 104.
 (See also under Maple, Woolly Bark-louse of, and under Cottony Maple Scale.)
 coccid, xiii, 98.
 Hard, xxi, 3; xxiv, 103.
 infested by *Euphoria inda*, xxiii, 101.
 by Putnam Scale, xxii, 115.
 injured by Maple Bark-louse, or Cottony Maple Scale, xiv, 104; xxiv, 102, 103, 116.
 by Mealy Flata, xxi, 84.
 leaves as food of adults of White-grubs, xvii, 42.
 Red, infested by Raspberry Measuring-worm, Misc. Ess., 129.
 Soft, as food plant of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
 of Smartweed Caterpillar, xxiii, 170.
 buds and leaves of, eaten by W-marked Cutworm, xxiii, 31.
Dicraneura fieberi on, xxi, 77.
 infested by *Aleurodes aceris*, xiv, 110.
 injured by *Lygus invitus*, xiv, 111.
 leaves of, eaten by Dark-sided Cutworm, xxiii, 33.
 Oblique-banded Leaf-roller collected from, xiv, 109.
 on some insect enemies of, xiv, 103-111.

Maple, Soft—*Continued.*

- Pandemis lamprosana collected from, xiv, 109.
- Woolly Bark-louse of, cycles of increase of, xvii, XII.
insect enemies of, xvii, XII.
remedies for, xvii, XIII.
(See also Maple Bark-louse, Soft, and Cottony Maple Scale.)
- marcassita, Graphops, xiii, Addenda, I.
margaritosa saucia, Peridroma, xxiii, 17, 23.
- marginalis, Lachnosterna, xvii, 47, 50; xviii, 140, 143.
- marginata, Epicauta, xxi, 138, 141; xxiii, 111; xxiv, 54.
cinerea, xxi, 141.
- Margined Blister-beetle, xxi, 55; xxiii, 112, 113, 231.
- Marigold, injury to, by Tarnished Plant-bug, xiii, 121.
- marilandica, Cassia, xxi, 144.
- Marten, John, xiii, 12, 16; xiv, 42; xv, 23, 28; xvi, 48, 49, 70; xvii, 2, 58, 59, 70, 71, 79; xviii, 23, 24, 70, 73, 77, 133, 148; xix, 30, 90, 195, 197, 198; xxii, 19; xxiii, 158.
- Mason-bee as a strawberry insect, xiii, 60, 61, 70-71.
calendar of, xiii, 179.
- mauritanica, Tenebrioides, xvi, XI; xxiii, 182.
- May-beetles, xviii, 110; xx, 33; xxi, 163; xxiii, 98; xxiv, 135-168. See also White-grubs and Lachnosterna.
breeding in Corn, xvi, XI; xviii, 113.
- May-bug of Europe, xvii, 33.
- maydis, Sipha, xiii, 40.
- Maynard, S. T., Misc.-Ess., 22.
- Mayr, G. L., xviii, 9, 10.
- Meadow Grasshopper, Larger, xxi, 135.
grasshoppers, xxiii, 13, 145, 146, 227, 229.
distinguishing characters of, xxi, 131; xxiii, 136.
egg-punctures made by, xxiii, 215, 216.
larger, xxi, 135; xxiii, 144-146, 229.
smaller, xxi, 136; xxiii, 147-148, 229.
- lark, xvi, 72; xxiv, 149.
as enemy of cutworms, xxi, 101.
June-beetles eaten by, xviii, 123.
- maggots, or Leather-jackets, xvi, 78-83. See also Tipula bicornis.
- Oat-grass as food plant of Garden Web-worm, xxiii, 90.
- Meadows and pastures as breeding places of cutworms, xxi, 100.

Meadows—*Continued.*

- as breeding grounds of Chinch-bug, xvi, 5, 6.
- injury to, by Dingy Cutworm, xvi, 88.
by larva of Sphenophorus parvulus, xv, 5.
of Sphenophorus sculptilis, xxii, 22.
by root web-worms, xvi, IX.
by sod web-worms, xxiii, 36.
- Meal-moth, xviii, 4.
Indian-, Misc. Ess., 91.
infesting potatoes, xviii, X.
- Meal Snout-moth, Misc. Ess., 86.
- Mealy Bug, Corn, xviii, 53.
or Bark-louse, Sorghum, xiv, 71; xviii, 106-108.
Root, xxi, 159, 161.
bugs, xviii, 56.
and plant-lice, xviii, 53, 55-108.
distinguished from plant-lice, xviii, 56.
Flata, xxi, 83-85; xxiii, 203, 233.
- Measuring-worm, Raspberry, food plants and description of, and measures against, Misc. Ess., 128-130.
- media, Stellaria, xxi, 116.
- meditata, Mamestra, xvi, 94.
- Mediterranean Flour-moth in Europe and America, xix, Appendix.
- megastachya, Eragrostis, xviii, 93.
- Megetra vittata, xxi, 139.
- Megilla maculata, xiv, 33; Misc. Ess., 92; xxiii, 179.
- Melanactes, xviii, 31.
- melancholica, Euphoria, xxiii, 99, 100.
- melanocephalus, Sphenophorus, xvi, 64.
- Melanophthalma distinguenda infesting Corn, xxiii, 182.
pumila, xxiii, 182.
- Melanoplus, xxi, 130, 131.
atlanis, xxi, 131, 133, 134; xxiii, 67, 136-139.
bivittatus, xxi, 130, 133; xxiii, 67, 136-139.
differentialis, xxi, 130, 132-133; xxiii, 67, 136-139. See also Pezotettix differentialis and Olive Grasshopper.
femur-rubrum, xxi, 130, 132-133; xxiii, 67, 133-134, 136-139, 142, 219. See also Red-legged Grasshopper.
scudderi, xxiii, 142, 229.
species of, infesting Sugar-beet, xxi, 130.
spretus, xxi, 130, 133, 134; xxiii, 136-139.
- Melanotus, xviii, 31, 32, 44.
americanus, xviii, 32.
communis, Misc. Ess., 17, 18, 97; xviii, 8, 32, 39-41, 42, 43, 44, 55.

Melanotus communis—Continued.

- dates of collection of, xviii, 39.
 description of, xviii, 40.
 distribution of, xviii, 39.
 life history of, xviii, 39-40.
 cribulosus, Misc. Ess., 17, 97; xviii, 9,
 32, 42-44, 55; xxi, 162.
 description of, xviii, 43-44.
 hibernation of, xviii, 43.
 injurious to seed-corn in the earth,
 xviii, 21.
 fissilis, xviii, 9, 29, 39, 41, 42, 47, 55.
 distribution, description, and life
 history of, xviii, 41.
 infaustus, xviii, 9, 42, 55.
 melanurus, Longitarsus, xxi, 114, 122.
 Melasoma lapponica, xxiii, 186.
 scripta, xxiii, 186.
 Melia, xvii, 29.
 mellea, Armillaria, xxii, 111.
 Meloid larvæ as white-grub parasites,
 xxiv, 162.
 Meloidæ. Misc. Ess., 19; xv, 4; xxi,
 137-142.
 melolontha, Polyphylla, xvii, 33.
 Melolontha vulgaris and M. hippocastani,
 life cycles of, xxiv, 137.
 fungus parasite of, xviii, 133.
 melolonthæ, Cordyceps, xvii, 45; xviii,
 126, 137.
 Melon Aphis, xxi, 81-82.
 as food plant of Common Striped
 Cutworm, xxiii, 34.
 of Dingy Cutworm, xxiii, 27.
 of Garden Web-worm, xxiii, 90.
 infested by Toothed Flea-beetle, xxiii,
 110.
 injured by Imbricated Snout-beetle,
 xxiii, 113.
 -vines injured by Diabrotica tenella,
 xxiii, 188.
 Melons as food plants of Melon Aphis,
 xxi, 81.
 of Striped Cucumber-beetle,
 xxi, 126.
 of thousand-legged worms,
 xxiii, 222.
 injured by Larger-striped Flea-beetle,
 xxi, 115.
 by Leptoglossus phyllopus, xxiii, 197.
 by Pale-striped Flea-beetle, xvi, XI;
 xxi, 121; xxiii, 108.
 by Southern Corn Root-worm bee-
 tle, xviii, 148.
 by Western Green June-beetle, xxiii,
 102.
 melsheimeri, Deltocephalus, xxi, 66, 73.
 Membracidæ, xxi, 80.
 Merisus fulvipes as parasite of Hessian
 Fly, Misc. Ess., 15.

Merisus—Continued.

- subapterus, Misc. Ess., 15.
 Mermis, Misc. Ess., 52.
 as parasite of grasshoppers, xxi, 129.
 Meromyza americana, xiii, 10, 13-29;
 xiv, 54-55. See Wheat Bulb-worm.
 meromyzæ, Cœlinius, xiii, 25, 26, 29;
 xv, 36.
 Mesogramma politum, xxiii, 162-163.
 Mesograpta polita, xxiii, 162.
 messoria, Agrotis, Misc. Ess., 69.
 Carneades, xxi, 56, 102.
 Euxoa, xxiii, 17, 32.
 Metallus, description of genus, xiv, 87.
 rubi, description of, xiv, 87-88.
 Metarrhizium anisopliæ, xviii, 47.
 Meteorus sp. as parasite of Clay-backed
 Cutworm, xvi, 93.
 Mexican Dropseed as food plant of Co-
 laspis Root-worm, xxii, 148.
 mexicana, Muhlenbergia, xxii, 148.
 micans, Lachnosterna, xvii, 47, 50;
 xviii, 139, 142.
 Michigan Agricultural Experiment Sta-
 tion, xxi, 57.
 Microcera sp., attempts to infect San
 Jose Scale with, xxi, 36.
 Micrococcus attacking Pieris rapæ, xix,
 77.
 insectorum infesting Chinch-bug, xvii,
 74.
 cultures of, xvii, 75, 76-78.
 Microgaster bred from Apple Leaf-
 skeletonizer, xv, 60.
 Microphthalma niera as parasite of
 White-grubs, xvii, 44, 52; xviii, 125.
 Microtoma atrata, xxiii, 198, 233.
 middletonii, Aphis, xxi, 80, 159, 161.
 Midge, Clover-seed, Misc. Ess., 15; xv,
 3; xviii, XI.
 Wheat, xiv, 6. See Wheat Midge.
 Mignonette as food plant of Cabbage
 Plusia, xxi, 152.
 of Ear-worm, xxiii, 67.
 of Zebra-caterpillar, xxi, 153.
 infested by Red Spider, xxi, 59.
 Migratory Locust, Lesser, xxiii, 67.
 militaris, Hadronema, xxi, 92.
 Hibiscus, xxi, 120.
 Milkweed infested by Green Flata, xxi,
 84; xxiii, 203.
 Milkweeds as food of Argus Tortoise-
 beetle, xxiii, 192.
 Millet as food plant of Army-worm,
 xxiii, 49.
 of Chinch-bug, xv, 94.
 of Garden Web-worm, xxiii, 90.
 as lure for deposition of eggs of
 Chinch-bug, xv, 99.

Millet—Continued.

- Clover or Timothy sown with, to protect against Chinch-bug injury, xv, 102.
- Indian, infested by Larger Corn-Stalk-borer, xxiii, 92.
- infested by *Scelodonta nebulosus*, xiii, 169 (Addenda. II).
- injured by *Chaetocnema denticulata*, xxi, 118.
- by Corn Flea-beetle, xxiii, 110.
- by *Sphenophorus ochreus*, xvi, 59; xxii, 10.
- by Toothed Flea-beetle, xxiii, 110.
- subject to injury by Grass-worm, xxiii, 82.
- Milliped, strawberry, xiii, 60, 62, 138-141.
- Millipeds, xxiii, 14, 227.
- Mills, R. G., xxiii, 144, 219, 220.
- Milo-maize injured by *Thyanta perditor*, xxiii, 117.
- Milya cinctus*, xv, 84.
- Mineola indiginella*, xxii, 129-132.
- minians, *Nephelodes*, xxiii, 17, 29.
- minimus, *Sphenophorus*, xvi, 65.
- ministra, *Datana*, xvii, XIII; xix, 22.
- Minor Fruit Scale, xx, 16, 17.
- minor, *Siphonophora*, xiii, 62, 98, 101, 103; xiv, 79.
- Sphærostilbe flammea*, xx, 22.
- minuta, Teras, xv, 58, 60, 75.
- Tortrix, xv, 75, 81.
- minutum, *Monomorium*, xxiii, 157.
- minutus, *Eulophus*, xv, 57.
- Nysius*, xxi, 95.
- misella, *Pentilia*, xxi, 43.
- Smilia*, xx, 19, 21.
- misera, *Hadena*, xxiii, 77-78, 232.
- Mite attacking Strawberry, xiii, 60, 61.
- causing pear-leaf blister, xxii, 102, 132. See under Pear-leaf blister.
- Grape Leaf, xiv, 84-86.
- Red Locust-, as enemy of grasshoppers, Misc. Ess., 52, 53, 54; xv, 40, 41, 43.
- Mites, xviii, 74, 126; xix, 125, 126, 127, 128, 129, 130; xxiii, 14.
- as enemies of Root Web-worm, xiv, 14, 16; Misc. Ess., 13.
- as sugar-beet insects, xxi, 58.
- destructive to grasshoppers, xxi, 129.
- feeding on *Sporotrichum globuliferum*, xix, 94.
- fungivorous, xx, 94.
- infesting Corn Bill-bug, xvi, 71; xxii, 4.
- red, infesting larva of *Deltocephalus inimicus*, xxi, 75.
- mixtus, *Lasius*, xviii, 93, 99, 100.
- modestus, *Tetranychus*, xxiii, 14, 224.
- Molds as food of adult Southern Corn Root-worm, xviii, 148; xxi, 126.

Molds—Continued.

- slime, xxii, 111.
- Moles as enemies of White-grubs, xviii, 124.
- molesta, *Solenopsis*, Misc. Ess., 58.
- molitor, *Tenebrio*, Misc. Ess., 106.
- mollipes, *Diedrocephala*, xxi, 66, 71; xxiii, 205.
- Dræculacephala*, xxiii, 205.
- Monarda fistulosa as food and breeding plant of Sulphur Leaf-roller, xiv, 20; xxiii, 174.
- monilifera, *Populus*, xxiv, 143.
- Monocrepidius infested by *Sporotrichum globuliferum*, xvii, 81.
- Monomorium minutum*, xxiii, 157.
- pharaonis, xxiii, 157.
- Mononychus vulpeculus*, food of, xvi, 77.
- Monoxia consupta* and *M. puncticollis*, xxi, 115, 127-128. See under French bugs.
- guttulata, xxi, 127.
- Montelius, J. A., xxii, 9, 12.
- Moon-flower infested by Common Red Spider, xxi, 59.
- morhosa, *Plowrightia*, xxii, 125.
- Morning-glory as food plant of Cotton Cutworm, xxiii, 80.
- of Ear-worm, xxiii, 67.
- of European Beet-Tortoise-beetle, xxi, 124.
- family, species of, as food of Argus Tortoise-beetle, xxiii, 192.
- infested by Common Red Spider, xxi, 59.
- injured and bred upon by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 111.
- Morning-sphinx, White-lined, xxi, 156.
- See Purslane-sphinx.
- Morrison, H. K., xvi, 89, 90.
- morrisoniana, *Agrotis*, xvi, IX, 84, 85, 88, 89.
- Morrow, G. E., xxii, 9.
- mortipennella, *Cænogenes*, xvi, X.
- mortipennellus, *Hypoclopus*, xxiii, 44, 95, 97.
- Mountain-ash infested by Fruit Bark-beetle, xvii, 6.
- by San Jose Scale, xxi, 3, 16.
- injury to, by Tarnished Plant-bug, xiii, 122.
- leaves as food of adults of White-grubs, xvii, 42; xviii, 114.
- mucidos, *Lixus*, xxiii, 114, 229.
- Muck Beetle as beet insect, xxi, 52, 56.
- economic difference between, and May-beetles, xxi, 165.
- food plants, injuries, and distribution of, xxi, 165.

- Muck beetles, xxiii, 183-184.
 Muck-worm, xxiv, 137.
 Muck-worms, xxi, 50.
 Muhlenbergia mexicana as food plant of Colaspis Root-worm, xxii, 148.
 Mulberry, Cottony Maple Scale on, xxiv, 103.
 infested by Dusky Leaf-bug, xxiii, 199.
 Mullein as food plant of Euschistus variolarius, xxiii, 196.
 of Tarnished plant-bug, xiv, 79, 80.
 multicolor, Capsus, xiii, 136.
 multistriatus, Iulus, xiii, 139.
 Murgantia histrionica, injury to Corn by, xxiii, 196.
 Muriate of potash and petroleum to lessen injury by Corn Root-aphis, xviii, 77.
 fertilization with, for wireworms, xviii, 50.
 to support crop under attack by Corn Root-aphis, xviii, 77.
 Murtfeldt, M. E., xiii, 92; xiv, 21; xvi, 98; xxi, 84, 116; xxiii, 83, 203.
 muscæ, Entomophthora, xix, 19.
 Muscardine, xiv, 7.
 fatal to Hedgehog Caterpillar, xxi, 158.
 gray, destroying chinch-bugs, xix, 138.
 See Entomophthora aphidis.
 outbreak among white ants, xix, 193.
 green, xx, 50, 51, 52, 53, 54, 91.
 of silkworms, xix, 19, 20.
 white, of Chinch-bug, xix, 27; xx, 27, 50, 51, 52, 53, 54, 55, 61, 91, 100.
 See under White muscardine.
 Muscardines, xx, 107.
 musculus, Anthonomus, xiii, 62, 114.
 Muskmelon as food plant of Colaspis brunnea, xxii, 148.
 of Imbricated Snout-beetle, xxi, 143.
 of Pale-striped Flea-beetle, xviii, 22.
 Cicadula nigrifrons occurring on, xiv, 68.
 infested by Common Red Spider, xxi, 59.
 injury to, by cutworms, xvi, 84.
 Mustard as food plant of Seed-corn Maggot, xxiii, 70.
 Black, infested by Corn Root-aphis, xvii, 67.
 flowers as food of Black Blister-beetle, xxi, 141.
 infested by Corn Root-aphis, xviii, 61.
 by Soft Maple Bark-louse, xiv, 104.
 injured by False Chinch-bug, xxi, 96.
 by Nysius minutus, xxi, 96.
 mutabilis, Allorhina, xxiii, 101.
 Crambus, xxiii, 39, 40, 41, 42, 43, 152, 154.
 Myelois indiginella, xv, 65, 70.
 Myochrous denticollis, xxiii, 103-104, 229.
 Myriapod, Corn, xiii, 140; Misc. Ess., 122.
 infested by Sporotrichum globuliferum, xvii, 81.
 Myriapoda, xiii, 62; xxiii, 14, 222-223, 228.
 Myrmica scabrinodis, xviii, 66.
 lobicornis, xviii, 8, 53; xxiii, 228.
 as food of birds, xviii, 11.
 attendant on aerial corn-lice, xviii, 12.
 description of, xviii, 12.
 distinctive characters of, xviii, 11.
 distribution of, xviii, 11; xxiii, 158.
 injuries by, xviii, 8, 11; xxiii, 158.
 Myrmicidæ, xviii, 10.
 injuries by, xviii, 8, 9-12.
 Myrmicina, xiii, 112.
 myron, Everyx, xxiii, 167.
 Myrsiphylum injured by Common Red Spider, xxi, 58.
 mytilaspidis, Aphelinus, xxi, 44.
 Mytilaspis, xx, 16.
 pomorum, xxii, 119.
 Myzus achyrantes, xxi, 82-83; xxiii, 209-210.
 rate of multiplication of, xviii, 56.
 cerasi, xxii, 129.
- N
- Nabis fusca infested with Sporotrichum globuliferum, xix, 116.
 Nadata gibbosa infested by Sporotrichum globuliferum, xix, 26 (Errata).
 nais phalerata, Arctia, xxiii, 76.
 Nason, Wm. A., xxiv, 129.
 Nasturtiums flamed with gasoline blast-lamp, xxiv, 52.
 Naupactus xanthographus infested by Sporotrichum globuliferum, xvii, 81.
 Neal, J. C., xiii, 40.
 nebulella, Phycita nebulo, xv, 70.
 nebulo, Acrobasis, xv, 70.
 Phycita, xv, 67, 70, 71.
 var. nebulella, Phycita, xv, 70.
 nebulosa, Cassida, xxi, 124.
 nebulosus, Heteraspis, xiii, Addenda, II.
 Scelodonta, xiii, 62, 86, 144, 150, 158, 161, 162, 163, 179, Addenda, I, II.
 Sphragisticus, xxi, 93, 94; xxiii, 198, 233.
 Trapezonotus, xxi, 94.
 Nectarines injured by Western Green June-beetle, xxiii, 102.

- Nectarophora avenae, xxiii, 206.
 erigeronensis, xxi, 83.
 pisi, xxi, 83.
- Nectarophorini, xxi, 82.
- Needle-grass, xxiii, 159.
- Negro-bug, or Flea, Little, or Common
 Negro-bug, xiii, 62, 106-111; xvi, 51;
 xxi, 99-100; xxiii, 115-116, 233.
- Negro-bugs, xxi, 99-100.
- negundinis, Chaitophorus, xxiii, 210.
- Negundo aceroides, Cymatophora crepuscularia collected from, xiv, 72.
- Nelson, Elijah, xvi, 50.
- Nematocampa filamentaria, xiii, 61, 79-80.
- Nematode worms parasitizing adult
 Southern Corn Root-worm, xviii, 152.
- Nematus aureopectus, xiv, 116.
 bivittatus, xiv, 116.
 robiniae, xiv, 116.
 description of, xiv, 116.
 ventralis, xiv, 117.
- Nemobius, xxiii, 213.
 fasciatus, xxiii, 13, 214-215.
- nemorale, Xiphidium, xxi, 131 (Errata).
- nenuphar, Conotrachelus, Misc. Ess., 21,
 26; xvi, 76; xvii, 21.
- Nephelodes minians, xxiii, 17, 29-31.
 violans, Misc. Ess., 75; xvi, 85.
- Nephopteryx semifuneralis, xvii, 29.
- nervosa, Euthrips, xxiii, 136.
- Nettles, Nectarophora pisi on, xxi, 83.
- Neuroptera, xiii, 60; xxiii, 14.
- New Jersey Tea as food plant of Colaspis
 brunnea, xxii, 148.
 of Flea, or Little, Negro-bug, xiii, 110; xxiii, 116.
 of Lachnosterna rubiginosa, xviii, 115.
- niger alienus, Lasius, xviii, 53, 62, 66,
 71, 82, 88, 90, 107; xxi, 161; xxiv,
 14, 19, 21, 22, 24, 25, 25.
 Coelinus, xiii, 24.
 Lasius, xviii, 53, 62, 66, 93, 99, 100,
 107; xxiii, 126, 159.
- Nightshade as food plant of Pale-striped
 Flea-beetle, xxi, 121; xxiii, 108.
 Black, Epitrix brevis on, xxi, 118.
- nigra, Brassica, xviii, 61.
 Microphthalma, xvii, 44, 52; xviii, 125.
- nigricornis, Ceanthus, xxiii, 215, 217,
 218, 221.
- nigrifrons, Cicadula, xiv, 22, 67, 69;
 Misc. Ess., 117.
 Deltoccephalus, xxiii, 121, 122, 123.
 nigrofasciatum, Lecanium, xxii, 118.
- nigrum, Solanum, xxi, 118; xxiii, 190.
- nitela, Gortyna, xiii, 61, 114; Misc. Ess.,
 76; xxiii, 44.
 Hydræcia, xxiii, 44.
 Papaipema, xxiii, 7, 10, 11, 17, 44.
- nitens, Prenolepis, xxiii, 158.
- nitida, Allorhina, xiii, 62, 143, 149;
 xviii, 54, 144; xxiii, 101; xxiv, 137.
- Nitidulidae, xxiii, 180, 181.
 infesting Corn, xxiii, 11.
- Nitrous acid gas for white ants, xix,
 199.
- niveus, Ceanthus, xxiii, 217.
- nobilis, Macropsis, xiv, 22; Misc. Ess.,
 117; xxi, 69.
- Noctua, xxi, 100.
 clandestina, xxiii, 17, 31-32.
 c-nigrum, xxi, 102, 103, 105; xxiii,
 17, 25-26. See also Cutworm, Spotted.
- plecta, xxi, 102, 104-105.
- Nodonota tristis infested with Sporotrichum
 globuliferum, xix, 81.
- Nola sorghiella, xxiii, 169.
- nolitoris, Isaria, xx, 101.
- Northern Corn Root-worm, xviii, 3, 55,
 146, 148, 154-165; xxi, 127;
 xxiii, 4, 228.
 dates of collection of adult, xviii,
 160.
 description of, xviii, 162-165; xxi,
 115.
 discussion of, cited, xxiii, 69.
 distinguishing characters of, xviii,
 155, 163.
 distribution of, xviii, 157.
 food of adult, xviii, 156, 157-158,
 160; xxiii, 188-189.
 habits of, xviii, 159.
 injuries by, xviii, 154-158; xxi,
 127.
 indications of, xviii, 154, 155.
 period of, xviii, 156.
 when and where most noticeable, xviii, 156.
- life history of, xviii, 158-159;
 xxi, 127.
- natural enemies of, xviii, 161.
 preventive and remedial measures
 against, xviii, 162.
- notatus, Stenosphenus, Misc. Ess., 130.
- Notolophus leucostigma, xxii, 136. See
 Tussock-moth.
- nova, Lachnosterna, xvii, 47, 50; xviii,
 140, 143.
- noveboracensis, Ithycerus, xv, 5.
- novella, Agallia, xxi, 65, 69.
- novellus, Macropsis, xxi, 69.
- 9-notata, Coccinella, xiv, 24, 33; xix,
 140; xxiii, 179, 231.
- Novius koebelei as enemy of Icerya
 purchasi, xx, 22.
- nubilum, Boopedon, xxiii, 212, 229.
- Nursery and orchard trees infested by
 Bagworm, xxii, 102.

Nursery—Continued.

- inspection in Illinois, xxi, 7-11; xxii, 98.
 pests, description and discussion of species of, xxii, 106-138.
 injurious to bark or wood, xxii, 100-101.
 to leaf or bud, xxii, 101-103.
 to roots, xxii, 99-100.
 principal, classification and description of, xxii, 99-102.
 likely to be distributed in trade, xxii, 98-138.
 winter forms and appearance of, xxii, 103-104.
 trees and crown-gall, xxii, 111.
 injury to, by *Crepidodera helxines*, xiv, 117.
 by grasshoppers, Misc. Ess., 50.
Nussbaumer, J. J., Misc. Ess., 16, 19.
nuttalli, *Cantharis*, xxi, 139, 142.
Nuttall's Blister-beetle, xxi, 142.
Nysius, xxi, 93.
 angustatus, xiii, 62, 104-106; xxi, 94, 95-96; xxiii, 12, 117-118.
 destructor, xiii, 104-105.
 minutus, xxi, 95.

O

- Oak as food plant of adult White-grubs, xvii, 42, 43; xviii, 114; xxi, 165; xxiv, 143, 144.
 of Goldsmith-beetle, xiii, 146, 148.
 of Horned Spanworm, xiii, 79.
 of Red-banded Leaf-roller, xiv, 21; xxiii, 175.
 of San Jose Scale, xx, 1; xxi, 13.
 of Smartweed Caterpillar, xxiii, 170.
 defoliated by forest caterpillars, xviii, X.
 by Leaf-cutting Ant, xxiii, 160.
 infested by *Euphoria inda*, xxiii, 101.
 by Pale-striped Flea-beetle, xxi, 121.
 injury to, by Cottony Maple Scale, xxiv, 103.
Platymetopius acutus on, xxi, 73.
Typhlocyba rosæ on, xxi, 78.
 Water, parasitized *Aspidiotus obscurus* on, xx, 22; xxi, 31.
 Oaks, *Lachnosterna* beetles collected from, xxiv, 141.
 Oat-grass, Meadow, as food plant of Garden Web-worm, xxiii, 90.
 Oat-louse, xvii, X.
 Oats, xvi, 55.
 as food plant of *Leucania pseudargyria*, xxiii, 171.

Oats—Continued.

- bred on or injured by Chinch-bug, xv, 1, 93, 96; xvi, 6, 7, 51; xviii, VIII; xxiii, 59, 60.
 Clover Plant-louse on, xxiii, 208.
 destroyed by Pale-striped Flea-beetle, xxiii, 108.
 by *Schistocerca americana*, xxiii, 141.
 eaten by Army-worm, xxiii, 49.
 by Clay-backed Cutworm, xxiii, 28.
 by Western Green Stink-bug, xxi, 97; xxiii, 116.
 effect on Corn Root-aphis of change of crop from Corn to, xxiv, 20-24, 28.
Empoasca mali on, xxi, 78.
 English Grain-louse on, xxiii, 207.
 fields abandoned by Corn Root-aphis, xxiv, 23.
Asaphes decoloratus collected from, xviii, 45.
 infested by *Cicadula nigrifrons*, xiv, 68.
 by *Cicadula 6-notata*, xxi, 77.
 by Corn Flea-beetle, xxiii, 110.
 by *Euschistus variolarius*, xxiii, 196.
 by *Geocica squamosa*, xviii, 99, 100.
 by Stalk-borer, xxiii, 46.
 by Sweet-Potato Flea-beetle, xxiii, 111.
 by Toothed Flea-beetle, xxiii, 110.
 or injured by *Sphenophorus parvulus*, xvi, 58, 59, 63; xxiii, 56.
 injury to, by cutworms, xvi, 84, 90.
 by *Deltocephalus nigrifrons*, xxi, 75.
 by Glassy Cutworm, xxiii, 20.
 by grasshoppers, Misc. Ess., 48, 49, 50, 51, 53, 127.
 by Grass-worm, xiv, 62; xxi, 149; xxiii, 82.
 by Stalk-maggot, xxiii, 164.
 by *Thyanta perditor*, xxiii, 117.
 by White-grubs, xx, 29, 30, 31.
 by Yellow-headed Cutworm, xxiii, 21.
 by Zebra-caterpillar, xxi, 153.
 killed by sod web-worms, xxii, 37.
 Southern Grain-louse, or Grain-louse, destructive to, xvii, X; xxiii, 134.
 subject to injury by wireworms, xviii, 30.
 volunteer, Misc. Ess., 20; xv, 5.
 and Wheat Bulb-worm, xv, 38.
 as food plant of adult Southern Corn Root-worm, xviii, 148.
Oberea sp., xxiv, 127.
tripunctata, Elm infested by, xxiv, 127-128.
ulmicola, xxiv, 118-134. See Elm Twig-girdler.

- oblineatus, Capsus, xiii, 116.
 oblinata, Acronycta, xxiii, 170.
 Apatela, xiii, 61, 82; xiv, 117; Misc. Ess., 63.
 Oblique-banded Leaf-roller, xiii, 61, 94-95, 179; xiv, 109.
 oblongifolia, Orchelimum, xxiii, 144, 145.
 obscura, Prodenia autumnalis, xiv, 57.
 Obscure Scale, xx, 16.
 obscurus, Aspidiotus, xx, 15, 16; xxi, 31.
 Plagiognathus, xxi, 87, 89; xxiii, 201, 233.
 Tenebrio, Misc. Ess., 106.
 obsoletana, Cacœcia, xiii, 61, 92, 95.
 obtusa, Empoasca, xxi, 78.
 occidentalis, Forda, xviii, 53, 57, 95.
 ochreus, Sphenophorus, xvi, XII, 58, 59, 63, 66, 67, 68, 70, 71; xxii, 1, 9, 19; xxiii, 52, 229.
 ochrogaster, Euxoa, xxiii, 17, 34.
 8-lineata, Gypona, xxi, 66, 72.
 Odontocera dorsalis mining leaves of Corn, xxiii, 165. See also Ceratomyza dorsalis.
 Odynerus foraminatus, an entomological train-wrecker, xx, 103-105.
 reniformis, concerning life history and habits of, xx, 104.
 Œbalus pugnax, injuries by, xxiii, 194-195.
 Œcanthinae, xxiii, 215-222.
 Œcanthus, xxiii, 213, 216, 219.
 angustipennis, determination of food of, xxiii, 220.
 distinctive characters of, xxiii, 218.
 situations found in, xxiii, 217.
 food of, xxiii, 219.
 forbesi, distinctive characters of, xxiii, 217.
 latipennis, xxiii, 146.
 distinctive characters of, xxiii, 218.
 egg punctures of and oviposition by, xxiii, 216.
 in corn fields, xxiii, 217.
 nigricornis, determination of food of, xxiii, 221.
 distinctive characters of, xxiii, 218.
 eggs of, xxiii, 215.
 in corn fields, xxiii, 217.
 niveus, distinctive characters of, xxiii, 217.
 situations found in, xxiii, 217.
 pini, determination of food of, xxiii, 222.
 distinctive characters of, xxiii, 218.
 4-punctatus, determination of food of, xxiii, 220-221.
 distinctive characters of, xxiii, 218.
 situations found in, xxiii, 217.
 Œdemasia concinna, xvii, XIII.
 Œnothera biennis as food plant of Scelodonta pubescens, xiii, Addenda, II; xiv, 81.
 Œstlund, O. W., xviii, 94; xxi, 83.
 Oglesby, Richard J., xiv, Appendix V.
 Okra as food plant of Ear-worm, xxiii, 67.
 infested by Oncometopia undata, xxi, 71.
 Old-fashioned Potato-beetle. See Blister-beetle, Striped.
 oleracea, Portulaca, xviii, 61.
 olivacea, Campylacantha, xxi, 130, 135; xxiii, 213, 229.
 olivaceus, Pezotettix, xxi, 135.
 Olive, or Lubber, Grasshopper, or Locust, habits and life history of, Misc. Ess., 49.
 injuries by, Misc. Ess., 48, 50-51, 53; xxi, 132; xxiii, 67.
 situation of eggs of, and destruction of same by natural enemies, Misc. Ess., 52-54.
 Olivier, A. G., xvi, 60.
 Omophron beetles, xxiii, 178.
 labiatum, Misc. Ess., 92; xxiii, 178, 227.
 Oncometopia, xxi, 64.
 undata, xxi, 66, 70-71, 75; xxiii, 204.
 Onion as food plant of Army-worm, xxiii, 49.
 of Clay-backed Cutworm, xxiii, 29; destroyed by same, xvi, 84.
 of Common Striped Cutworm, xxiii, 34.
 of Garden Web-worm, xxiii, 90.
 of Seed-corn Maggot, xxiii, 70.
 of Variegated Cutworm, xxiii, 24.
 destroyed by Spilosoma virginica, xiv, 116.
 injured by Dark-sided Cutworm, xxiii, 33.
 by Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 by Iulids, xiii, 140.
 by Stalk-maggot, xxiii, 165.
 Onions injured by White-grubs, xx, 29.
 subject to attack by wireworms, xviii, 30.
 Oniscidae, xxi, 137.
 Onthophagus hecate eating grains of Corn in field, xxiii, 183.
 opaca, Silpha, xxi, 136, 137.
 opacicollis, Paria, xiii, 159.
 Ophion bifoveolatum as parasite of White-grubs, xviii, 125; xxiv, 161.
 sp. as parasite of cutworms, xxi, 101.
 of White-grubs, xvii, 44, 52.

- oppositus, *Leptoglossus*, xxiii, 197, 198.
- Orache infested by *Aphis atriplicis*, xxi, 82.
- Orange as food plant of Grass-worm, xxiii, 82.
of Zebra-caterpillar, xxi, 153.
infested by Melon *Aphis*, xxi, 81.
by Sulphur Leaf-roller, xiv, 20; xxiii, 174.
- Osage. See Osage Orange.
- Oranges injured by *Leptoglossus phyllopus*, xxiii, 197.
- Orchard fumigation at Richview, Ill., xxii, 38-43.
details of same, and results of, xxii, 39-42.
at Sparta, Ill., xxii, 34-38.
details of same, and results of, xxii, 35-38.
cost of, xxii, 43-44.
description of equipment for, xxii, 31-32.
of operation of, xxii, 32-33, and cuts illustrating, xxii, 58-66.
experience with, xxii, 31-43.
preliminary operation in, xxii, 33-34.
test of method of, xxii, 30.
- grass, xvii, 62.
as food plant of Garden Web-worm, xxiii, 90.
- trees, destruction of infested, xxi, 17, 18, 19, 20, 21, 22, 23, 24; xxii, 38, 39, 48. See also under Apple, Peach, Plum, etc.
- Orchards injured by Canker-worm, xxii, 144.
- Striped Cricket abundant in, xxiii, 215.
- tree-crickets in, xxiii, 217.
- Orchelimum, xxiii, 215, 216.
agile, xxiii, 144.
general description of, xxi, 131.
globerrimum, xxiii, 144, 146.
oblongifolia, food of, xxiii, 144-145.
silvaticum, xxiii, 144, 146.
vulgare, Misc. Ess., 118; xxi, 135; xxiii, 13, 144, 146.
injury to Corn by, xiv, 23.
- Oregon and California washes, use of, in Illinois, xxii, 68-90.
wash for San Jose Scale, xxii, 67, 82-87.
details of experiments with, xxii, 82-87.
tables showing effect of, xxii, 83, 84.
preparation of, xxii, 72.
used on Apple and on Peach, xxii, 82-87.
- Orgyia leucostigma* infesting Willow, xiv, 117.
- Ormenis pruinosa*, xxiii, 203.
general description, oviposition, food plants, and life history of, xxi, 83, 84, 85.
- Ormerod, E. A., xiii, 16.
- ornata, *Liburnia*, xxi, 65, 67.
- ornigis, *Apanteles*, xv, 57.
- ornithogalli eudiopta, *Prodenia*, xxiii, 80.
Prodenia, xxiii, 79.
- Ornix, Apple, xv, 51-57.
geminatella, xv, 51-57. See Apple Ornix.
prunivorella, xv, 52, 53, 55.
- Ortalidæ, xxiv, 162.
- Orthoperus scutellaris* found on Corn and on apple-trees, xxiii, 180.
- Orthoptera as strawberry insects, xiii, 60, 61, 62.
destructive to Corn, xxiii, 13.
of the corn field, leaf-eating, xxiii, 226, 229.
- oryzæ, *Calandra*, Misc. Ess., 111.
- Osage Orange as food plant of the Green and Mealy Flatas, xxi, 84.
of May-beetles, xxiv, 143.
of Red-banded Leaf-roller, xxiii, 175.
flamed with gasoline blast-lamp, xxiv, 52.
hedge infested by San Jose Scale, destruction of, xxi, 17, 23, 24; xxii, 39, 40.
treatment of, with kerosene emulsion, xxii, 40.
infested by San Jose Scale, xx, 1, 9, 11; xxi, 4, 13, 17, 23, 24; xxii, 35, 38, 39, 40, 41, 42.
by Soft Maple Bark-louse, xiv, 104.
- Osborn, Herbert: xiii, 12, 72, 76, 116; xv, 72; xvi, 33, 37, 38; xvii, 4, 65; xviii, 86, 135; xxi, 68, 69, 70, 71, 72, 74, 75, 76, 85, 86, 96, 132, 138; xxiii, 100, 118.
and Gossard, H. A., xxiv, 6.
- Oscinidæ, xxiii, 164.
European wheat, parasite of, xiii, 24.
rotation of crops for, xiii, 27, 29.
- Osmia canadensis*, xiii, 61.
- Otiiorhynchidæ as strawberry insects, xiii, 60.
- Otiiorhynchus ovatus, xxiii, 192-193, 228.
picipes, xxi, 144.
singularis, xxi, 143, 144.
sulcatus, xiii, 62, 177; xxi, 143, 144.

ovalispora, *Isaria*, xx, 101.
 ovatus, *Otiiorhynchus*, xxiii, 192, 228.
 Owl, Barred, White-grubs eaten by, xviii, 123.
 Great Horned, June-beetles eaten by, xviii, 123.
 Screech, June-beetles eaten by, xviii, 123.
Oxalis stricta infested by Corn Root-aphis, xvii, 67; xviii, 61.
oxycoccana, *Terax*, xv, 79, 81, 82.
 Tortrix, xv, 79.
Oxyptilus delavariensis, xiv, 90, 91-92.
 Oyster-shell Bark-louse, or Scale, xvii, XIV; xx, 16.
 distribution of in Illinois, xxii, 119.
 eggs of, xxii, 119.
 general description of, xxii, 119.
 protection against, xxii, 120.
 winter stage of, xxii, 113.

P

Pachymerus as parasite of Common Garden Web-worm, xxi, 109.
pachytili, *Isaria*, xx, 101.
 Packard, A. S., xiii, 32, 63, 77, 78, 79, 80, 94, 97, 139, 147; xiv, 18, 39; Misc. Ess., 129; xv, 52, 55, 76, 78; xviii, 25; xxi, 76, 145; xxiii, 86.
 Pale-striped Flea-beetle. See Flea-beetle, Pale-striped, Broad-striped, and Yellow-striped.
pallens, *Geocoris*, xxi, 95.
pallipennis, *Carpophilus*, xxiii, 181.
pallipes, *Agonoderus*, xviii, 8, 12; xxiii, 11, 178, 228; xxiv, 26.
Pteromalus, xiv, 46, 48, 49, 50; Misc. Ess., 15.
pallorana, Tortrix, xiv, 74.
pallulella, *Stenoptycha*, xvii, 29.
palustris, *Caltha*, xiv, 80.
Pamphila accius, xxiii, 166.
pampinaria, *Cymatophora*, xiii, 61, 76.
Pandemis lamprosana as a soft maple insect, xiv, 109.
panicea, *Sitodrepa*, Misc. Ess., 97.
 Panic-grass as food of *Psylliodes convexior*, xxi, 124.
 infested by *Geoica squamosa*, xviii, 100.
 Yellow Sorghum Plant-louse on, xxiii, 210.
panici, *Rhizobius*, xviii, 106.
 Tychea, xviii, 101, 105.
panicola, *Schizoneura*, xiii, 42, 49, 51-53; xiv, 28, 29; xviii, 53, 57, 68, 85.
Panicum, xiv, 24.
 aerial *Aphis maidis* found on, Misc. Ess., 48.

Panicum—Continued.

as breeding plant of *Scudderia texensis*, xxiii, 144.
 as food plant, of Chinch-bug, xv, 94.
crus-galli as food plant of same, xvi, 52.
 of *Psylliodes convexior*, xxiii, 192.
 infested by *Geoica squamosa*, xviii, 100.
 glabrum as breeding plant of Corn Root-louse, xiii, 49.
 infested by Grass Root-louse, xviii, 85, 93.
 infested by *Chaitophorus* sp., xiii, 42.
 by Corn Root-aphis, xvii, 67; xviii, 61.
 by Grass Root-louse, xviii, 86, 87, 88.
 by *Schizoneura panicola*, xiii, 42, 51, 52.
 by *Trama erigeronensis*, xviii, 93.
 proliferum infested by Woolly Grass Root-louse, xviii, 105.
 Yellow Sorghum Plant-louse on, xxiii, 210.
 Pansy plants destroyed by Clay-backed Cutworm, xxiii, 28.
Papaipema nitela, xxiii, 7, 10, 11, 17, 44-47.
Papilio asterias, flacherie of, xix, 76.
 infection experiment with, xix, 76.
Parajulus diversifrons eating grains of Corn in ear, xxiii, 223.
venustus, situations found in, xxiii, 223.
Parandra brunnea infested by *Botrytis* sp., xvi, 49.
 by *Sporotrichum globuliferum*, xvii, 79, 81.
 Parasites and other enemies:
 of *Aleurodes aceris*, xiv, 110.
 of Angoumois Grain-moth, xiii, 10.
 of *Aphis* sp., xiii, 103.
 of Apple Leaf-skeletonizer, xv, 60, 64.
 of Apple Ormox, xv, 57.
 of Apple *Tischeria*, xv, 50.
 of armored scales, xx, 20.
 of Army-worm, xxiii, 49, 51.
 of *Aspidiotus obscurus*, xx, 22.
 of bees, xxi, 138, 139.
 of Beet Web-worm, xxi, 111.
 of Bronze Cutworm, xxiii, 30.
 of Cabbage *Plusia*, xxi, 153.
 of Chinch-bug, xiii, 9. See under Chinch-bug, diseases of.
 of Clay-backed Cutworm, xvi, 93.
 of Clover-seed Midge, Misc. Ess., 16; xv, 4.
 of Common Garden Web-worm, xxi, 109.

Parasites, etc.—*Continued.*

- of Common Grub-Wasp, xxiv, 157, 160.
of Common Strawberry Leaf-roller, xiii, 92.
of Corn Plant-louse, xiii, 49; xiv, 24, 30-33.
of cutworms, xxi, 101.
of *Deltocephalus inimicus*, xxi, 75.
of *Dicrocephala mollipes*, xxi, 72.
of Elm-borer, xiv, 113.
of Elm Twig-girdler, xxiv, 128-131.
of Fruit Bark-beetle, xvii, 5.
of grasshoppers, Misc. Ess., 52; xv, 43; xxi, 129.
of grasshoppers' eggs, xv, 41, 44.
of Grass-worm, or Common Grass-worm, xiv, 64-66; xxi, 150.
of Greasy Cutworm, xvi, 93; xxiii, 22.
of Hedgehog Caterpillar, xxi, 158.
of Hessian Fly, xiii, 9, 24-26; xiv, 3, 38, 39, 40, 41, 44-46; Misc. Ess., 15.
of Imported Garden Web-worm, xxi, 112.
of *Isosoma hordei*, xiv, 36.
of Leaf-crumpler, xv, 68, 69, 70, 73.
of leaf-hoppers, xxi, 63.
of Lesser Apple Leaf-folder, or Leaf-roller, xiii, 183; xv, 84.
of Maple Bark-louse, Woolly, or Cottony Maple Scale, xvii, XII; xxiv, 114-115.
of Oblique-banded Leaf-roller, xiii, 94.
of plant-lice, xviii, 74; xxi, 81.
of Potato Flea-beetle, xxi, 117.
of San Jose Scale, xx, 4, 19-23; xxi, 24, 30-40.
of *Siphonophora minor*, xiii, 103.
of Smear'd Dagger, xiii, 82.
of Southern Corn Root-worm, xviii, 150-151.
of Speckled Cutworm, xiv, 94.
of Stalk-borer, xxiii, 47.
of Strawberry False Worm, xiii, 75.
of Sulphur Leaf-roller, xiv, 20.
of swine, xxiv, 167.
of Wheat Bulb-worm, xiii, 24-26, 29; xiv, 54; xv, 36.
of Wheat, or Lesser Wheat. Straw-worm, xiii, 30, 31, 32, 33, 34; xiv, 36-37.
of Wheat Oscinidæ of Europe, xiii, 24.
of white ants, xix, 190, 198.
of White-grubs, or May-beetles, xvii, 44, 52; xviii, 124, 133; xxiv, 136, 156-163, 167.
of willow saw-flies, xiv, 101.
of wireworm, xviii, 47.
of woolly bears, xxi, 158.

Parasites, etc.—*Continued.*

- of Yellow-Black Flea-beetle, xxi, 117.
principal, of insects, xix, 17-18.
Parasitic Diptera, Misc. Ess., 52; xv, 44; xvii, 44; xviii, 124, 125, 151; xix, 76, 77; xxi, 101, 107, 109, 111, 112, 117; xxiv, 163.
fungi, xvi, 45, et seq.; xvii, 44, 52, 74-84.
attempt to infect chinch-bugs with European species of, xx, 101.
San Jose Scale with, xxi, 30-40.
(See also various names of fungus species.)
Hymenoptera, xiii, 25, 29, 33, 92, 103; xiv, 20, 94, 105, 110; Misc. Ess., 15; xv, 69, 84; xvii, 5, 44, 52; xviii, 124; xix, 46, 47, 53, 76, 79, 80; xx, 20; xxi, 101, 107, 109, 111, 112, 117, 153; xxiv, 128, 136, 157.
(See also various species names.)
Protozoa, xix, 17, 18, 19, 190.
parasitica, Clitocybe, xxii, 111.
parcepunctata, *Chaetocnema*, xxiii, 191.
Paria, xiii, 160.
aterrima, xiii, 62, 86, 144, 150, 161, 164, 165; xiv, 81.
and *P. sexnotata*, description of, xiii, 160-161.
distribution of, xiii, 161.
literature of, xiii, 159.
trees and plants found on, xiii, 161.
calendar of, xiii, 179.
life history of, xiii, 161-163; xiv, 81.
compared with that of other strawberry root-worms, xiii, 166-169, 175-176
(For injuries to vegetation by natural enemies of, topical applications for, etc., see under Strawberry root-worms.)
canella infested by *Sporotrichum globuliferum*, xvii, 81.
gilvipes, xiii, 159.
opacicollis, xiii, 159.
4-guttata, xiii, 159.
4-notata, xiii, 159.
6-notata, xiii, 159, 161. See also *Paria aterrima* and *P. sexnotata*.
Paris green alone or with lime for beet insects, xxi, 53, 54.
for blister-beetles, xxi, 55, 138.
for Leaf-crumpler, xv, 70; xxii, 131.

Paris green—*Continued.*

- and whale-oil soap for leaf-feeding insects, xxi, 128.
 for Apple Leaf-skeletonizer, xv, 64.
 for Army-worm, xxiii, 51.
 for Chinch-bug, xvi, 42.
 for Codling-moth, xv, 7, 9, 10-14, 15-20.
 and curculios. Misc. Ess., 27, 29, 30-35, 40-41, 42-43; xv, 15; xvii, 22-23, 24, 25; xxiv, 80.
 for cutworms, xxi, 101-102; xxiii, 91.
 for Forest Tent-caterpillar, xiii, 10.
 for Garden Web-worm, xxiii, 18, 31, 33.
 for Grass-worm, xiv, 67.
 for grasshoppers, xxiii, 14.
 for *Paria aterrima*, xiii, 171.
 for Red-headed Flea-beetle, xxi, 120.
 for various strawberry insects, xiii, 69, 76, 80.
 for White-grubs and May-beetles, xvii, 43, 53.
 for wireworms, Misc. Ess., 18.
 to protect corn plant against bill-bugs, xvi, 72.
 seed-corn against *Agonoderus pallipes*, xviii, 13.
 Parrot, P. J., xxii, 18.
 Parsley as food plant of Army-worm, xxiii, 49.
 Parsnip as food plant of same, xxiii, 49.
 of Carrot-beetle, xxiii, 98.
 of Common Striped Cutworm, xxiii, 34.
 injured or destroyed by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
parvulus, *Sphenophorus*, Misc. Ess., 22, 23, 111; xv, 5; xvi, 58, 59, 63, 65, 67, 69, 71; xxii, 3, 22; xxiii, 52, 55, 56, 229; xxiv, 2, 7.
 Passerini, Giovanni, xiii, 40, 42, 100; xviii, 93.
 Passion-flowers as food of Black Blister-beetle, xxi, 141.
 Pasteur, Louis, xix, 19.
 Pastures and meadows as breeding places of cutworms, xxi, 100.
 injury to, by sod web-worms, xxiii, 37.
 Pawpaw infested by Soft Maple Bark-louse, xiv, 103.
 Pea as food plant of *Apantesis arge* and *A. phyllira*, xxiii, 75, 76.
 of Army-worm, xxiii, 49.
 of Beet Army-worm, xxi, 150.

Pea as food plant—*Continued.*

- of Dark-sided Cutworm, xxiii, 33.
 of *Diabrotica tenella*, xxiii, 188.
 of Dingy Cutworm, xxiii, 27.
 of Ear-worm, xxiii, 67.
 of Garden Web-worm, xxiii, 90.
 of Granulated Cutworm, xxiii, 32.
 of Seed-corn Maggot, xxiii, 70.
 of Striped Cucumber-beetle, xxi, 126.
 of Variegated Cutworm, xxiii, 24.
 of Western Green Stink-bug, xxiii, 116; crop destroyed, xxi, 99.
 of Yellow Bear, xxiii, 74.
 of Zebra-caterpillar, xxi, 153.
 crop destroyed by Grass-worm, xiv, 57, 63.
 by Pale-striped Flea-beetle, xxiii, 107, 108.
 Garden and Sweet, infested by *Nectarophora pisi*, xxi, 83.
 injured by Common Gray Blister-beetle, xxi, 139.
 by Garden Flea-hopper, xxi, 88.
 by Imbricated Snout-beetle, xxiii, 113.
 by Iulids, xiii, 140.
 by Western Cabbage-Flea-beetle, xxiii, 109.
 Sweet, as food plant of Zebra-caterpillar, xxi, 153.
 -vines as food of Cotton Cutworm, xxiii, 80.
 Peach and Plum Curculio, experiments with arsenical poisons for the, xvii, XV, 21-25.
 feeding experiments with, xvii, 21. See also Plum-curculio.
 Aphis, Black, description of two forms of, xxii, 108-110.
 destructiveness of, xxii, 108.
 effect of, on tree, xxii, 108.
 infesting roots of Peach and Plum, xxii, 100.
 protection against, xxii, 110.
 winter form of, xxii, 104.
 as breeding and food plant of Grass-worm, xiv, 62; xxiii, 82.
 as food plant of *Apantesis phalerata*, xxiii, 76.
 of Cotton Cutworm, xxi, 148; xxiii, 80.
 of *Diabrotica tenella*, xxiii, 188.
 of Ear-worm, xxiii, 67.
 of Imbricated Snout-beetle, xxi, 143.
 of May-beetles, xxiv, 143.

Peach as food plant—*Continued.*
 of Oblique-banded Leaf-roller, xiii, 94.
 blossoms and leaves eaten by Plum-curculio, xvii, 21.
 California wash for, xxii, 50, 52, 53, 54, 55, 79, 80, 81.
 crop destroyed by Dark-sided Cutworm, xxiii, 33.
 crown-gall of, xxii, 110.
 Curculio. See Peach and Plum Curculio and Plum-curculio.
 Diaspis, economic importance of, xxii, 117.
 eggs of, xxii, 117.
 general description of, xxii, 117.
 winter stage of, xxii, 113, 117.
 fruit-spot, description of, xxii, 101.
 destruction of stock affected by, xxii, 127.
 fungus causing, xxii, 101.
 trees subject to, xxii, 127.
 infested by Cottony Maple Scale, xxiv, 103.
 by Elm Twig-girdler, xxiv, 118, 121.
 by Putnam Scale, xxii, 115.
 by San Jose Scale, xx, 1, 2, 7, 9, 10, 11; xxi, 3, 4, 5, 6, 13.
 by Smeared Dagger, xiii, 82.
 by Stalk-borer, xxiii, 46.
 injury to, by Black Peach Aphis, xxii, 108.
 by Fruit Bark-beetle, xvii, 3, 4, 5, 6.
 by Peach-tree Borer, xxii, 100, 104, 122, 123.
 by Smartweed Caterpillar, xxiii, 170.
 Leaf-crumpler on, xv, 69; xxii, 130.
 Lecanium, appearance of, on bark, xxii, 113.
 general description of, xxii, 118.
 winter stage of, xxii, 113.
 orchards, artificial infection of trees in, xxi, 32, 33, 34, 35, 36, 37-40.
 Oregon wash for, xxii, 86, 87.
 pits destroyed by wireworms, xviii, 30.
 sprayed with crude petroleum, xxii, 92, 93.
 with kerosene, xxi, 40; xxii, 92; effect, 93.
 with kerosene emulsion, xxii, 46, 47, 48, 49, 51, 52.
 made with whale-oil soap, xxii, 97.
 with "Los Angeles Co. Wash No. 5," xxii, 96; effect, 97.
 with whale-oil soap solution, xxii, 44, 45.

Peach—*Continued.*

treatment of, with hydrocyanic acid gas, xxii, 30, 32, 36, 37, 38, 39, 41, 42.
 -tree Borer, or Peach-borer, xvii, 26; xxii, 99, 121-124.
 appearance of, and character of injury by, xxii, 100, 104, 123, 124.
 description of, xxii, 100.
 distribution of, xxii, 122.
 eggs of, xxii, 122, 124.
 fruit trees subject to attack by, xxii, 100.
 hibernation of, xxii, 124.
 in Illinois nurseries, xxii, 122.
 measures against, xxii, 124.
 spread of, xxii, 122.
 winter form of, xxii, 104, 123.
 Leaf-roller as strawberry insect, xiii, 62, 97.
 calendar of, xiii, 179.
 Peach-trees defoliated by Leaf-cutting Ant, xxiii, 160.
 destruction of, infested by San Jose Scale, xxii, 40, 42, 49, 50.
 flamed with gasoline blast-lamp to destroy San Jose Scale, xxiv, 46, 47, 52.
 Peach-yellows, xxii, 108.
 Peaches burrowed by Euphoria sepulchralis and E. inda, xxiii, 101.
 eaten by Euschistus variolarius, xxiii, 196.
 injured by leaf-footed plant-bugs, xxiii, 197, 198.
 by Striped Cricket, xxiii, 215.
 by Western Green June-beetle, xxiii, 102.
 seedling, destroyed by Glassy Cutworm, xxiii, 20.
 Peanut as food plant of Ear-worm, xxiii, 67.
 destroyed by Pale-striped Flea-beetle, xxiii, 108.
 injured by Smaller Corn-Stalk-borer, xxiii, 95.
 Pear, xv, 69.
 Agallia novella on, xxi, 69.
 Alebra albostrigella on, xxi, 78 (Errata, 175).
 and Apple, notes on insects injurious to, xiv, 95-102.
 as breeding plant of Epicærus imbricatus, Misc. Ess., 21; xvi, 76; xxi, 143, 144; xxiii, 113.
 as food plant of Brown Strawberry Spanworm, xiii, 78.
 of Colaspis brunnea beetle, xxii, 148.
 of Common Striped Cutworm, xxiii, 34.

Pear as food plant—*Continued.*

- of Goldsmith-beetle, xiii, 146, 148.
- of Horned Spanworm, xiii, 79.
- of May-beetles, xviii, 114.
- of Smartweed Caterpillar, xxiii, 170.
- blight, xxii, 99, 101.
 - appearance of stock affected by, and measure necessary to check it, xxii, 101, 125.
 - bacterium causing, xxii, 124.
 - trees and plants subject to, xxii, 101, 125.
- burner, xxiv, 49.
- California wash for, xxii, 53, 55.
- crown-gall of, xxii, 111.
- effect of kerosene emulsion on, xxii, 48, 51, 52.
- infested by Melon Aphis, xxi, 81.
 - by San Jose Scale, xx, 1, 2, 3, 8, 9, 10, 11; xxi, 4, 5, 6, 13, 17.
 - by Soft Maple Bark-louse, xiv, 103.
 - by Walnut Scale, xxii, 115.
- injured by Cigar-Case-bearer, xxi, 146.
 - by Common Jumping Pear-louse, xiv, 98.
 - by Flea Negro-bug, xiii, 107, 110.
 - by Tarnished Plant-bug, xiii, 116, 122, 123.
 - by Yellow Jumping Pear-louse, xiv, 100.
- Japanese, infested by San Jose Scale, xxi, 5.
- Kieffer, and San Jose Scale, xx, 11.
- leaf blister, xxii, 99.
 - appearance of, xxii, 102, 132, 133.
 - description of mite causing, xxii, 133.
 - destruction of same, xxii, 134.
 - winter quarters of same, xxii, 102, 133.
- leaf Mite, xxii, 99, 102, 133. See also above.
- leaves mined by Apple Ornix, xv, 52.
- louse, Common Jumping, article on, cited, xiv, 99.
 - Yellow Jumping, xiv, 98-100. See under Jumping.
- sprayed with crude petroleum, xxii, 92; effect, 93.
 - with kerosene, xxii, 92; effect, 93; emulsion, xxii, 42, 46, 47.
- subject to injury by Cottony Maple Scale, xxiv, 103.
 - by Fruit Bark-beetle, xvii, 6.
- treatment of, with hydrocyanic acid gas, xxii, 28, 29, 37, 40.
- trees defoliated by *Anomala undulata*, xxiii, 186.

Pear-trees—*Continued.*

- flamed with gasoline blast-lamp to destroy San Jose Scale, xxiv, 46.
 - young, destroyed by Pale-striped Flea-beetle, xxiii, 108.
- Pears burrowed by *Euphoria inda* and *E. sepulchralis*, xxiii, 101.
 - eaten into by adult Banded Ips, xviii, 24.
 - injured by Striped Cricket, xxiii, 215.
 - prickly, gasoline blast-lamp used to burn thorns from, xxiv, 44.
 - ripe, injured by Western Green June-beetle, xxiii, 102.
- Pébrine, xix, 18, 19.
- Pecan as food plant of May-beetles, xxiv, 144.
 - of San Jose Scale, xx, 1; xxi, 13.
- Pegomyia fusciceps*, xxiii, 9, 70.
 - vicina, description of stages of, cited, xxi, 61.
 - injury by, xxi, 59-60.
 - measures against, xxi, 62.
- Pelecinus polyturator* as parasite of White-grubs, xviii, 124, 134; xix, 79.
- pellucida*, *Camnula*, xxiii, 139-140.
- Pempelia hammondi*, xiv, 7, 97-98; xv, 58-64, 76. See Apple Leaf-skel-etonizer.
- lignosella*, Misc. Ess., 86.
- Pemphiginæ*, xviii, 101, 106.
- Pemphigus betæ* as a beet insect, xxi, 52, 80, 159-161. See under Beet Aphis.
 - boyeri*, xiii, 40.
- penicellus*, *Centrinus*, xxi, 143, 145.
- Penicilium*, xx, 94; xxi, 31.
 - on Chinch-bug, xix, 88.
- Pennsylvania Field-cricket, xxiii, 214.
- pennsylvanica*, *Disonycha*, xvii, 81, 82; xviii, XI; xix, 29, 33, 39, 40, 41.
 - Epicauta*, Misc. Ess., 19, 107; xxi, 138, 141; xxiii, 111.
- pennsylvanicum*, *Polygonum*, xiv, 90; xvi, 76.
- pennsylvanicus*, *Gryllus*, xxiii, 214, 219.
- Pentatoma uhleri*, xxi, 97-99; xxiii, 116-117.
- Pentatomidæ*, xiv, 78; xxi, 97-99; xxiii, 194-196, 233.
- Pentilia misella* as enemy of San Jose Scale, xxi, 43.
- Pepper as food plant of Army-worm, xxiii, 49.
 - of Ear-worm, xxiii, 67.
- bush, Sweet, as food plant of Raspberry Measuring-worm, Misc. Ess., 129.
- grass infested by Melon Aphis, xxi, 84.
 - by San Jose Scale, xxi, 42.

- perditor, *Thyanta*, xxiii, 117, 233.
 peregrina, *Veronica*, xiii, 107; xxiii, 116.
 Pergande, H., xviii, 85.
 Pergande, Theodore, xviii, 11; xxiii, 179, 206, 207.
 Peridroma incisiva, xxi, 146, 151-152.
 margaritosa saucia, xxiii, 17, 23-25.
 Perkins, G. H., xiii, 63, 82; xvii, 34; xviii, 114, 126, 132.
 permundana, *Eccopsis*, xiii, 61, 111.
 Exartema, xiii, 111.
 permundus, *Pterostichus*, xxiii, 177.
 perniciosus, *Aspidiotus*, xx, 1-25; xxi, 1-47.
 perplexus, *Thrips*, xxiii, 136.
 Perris, Edouard, xiii, 46.
 perscitus, *Centrinus*, xxi, 143, 145.
 persicana, *Ptycholoma*, xiii, 62.
 persicaria, *Polygonum*, xvi, 51; xvii, 65, 66; xviii, 62; xxiv, 24.
 Persimmon as food plant of May-beetles, xxiv, 144.
 of San Jose Scale, xx, 1; xxi, 13.
 infested by *Trioza diospyri*, xiv, 99.
 Persimmons bored by *Euphoria inda*, xxiii, 101.
 pertinax, *Sphenophorus*, Misc. Ess., 23, 108; xvi, 58, 60, 64, 67; xxii, 13, 14, 15, 17; xxiii, 52.
 Pestalozzia, xxi, 31.
 Petroleum and muriate of potash to lessen injury by Corn Root-aphis, xviii, 77.
 and sulphate of potash to lessen same, xxiii, 77.
 and superphosphates to lessen same, xviii, 77.
 crude, as barrier to progress of Chinch-bug, xx, 42, 44.
 as protection against Canker-worm, xxii, 93.
 effect of, on Peach in Catawba Island district, Ohio, xxii, 92-95.
 emulsion of, for wireworms, xviii, 49.
 for destruction of chinch-bugs on ground, xxiv, 56.
 for San Jose Scale, xxii, 27, 91-95; xxiv, 59.
 for wireworms, xviii, 49.
 sprayed on Apple, Cherry, Pear, and Peach, xxii, 92, 93.
 Petrophora diversilineata, item on life history of, xiv, 83.
 Pettit, J., xiii, 70; xviii, 37.
 Pettit, R. H., xxiv, 43, 46, 48.
 Petunia injured by Potato Flea-beetle, xxi, 117; xxiii, 190.
 Pezotettix atlantis, xiv, 23; Misc. Ess., 120, 127.
 Pezotettix—Continued.
 bivittatus, Misc. Ess., 127.
 differentialis, xiv, 23 (Errata); Misc. Ess., 48, 122; xv, 40; xvi, XII.
 infested with *Sporotrichum globuliferum*, xix, 39.
 femur-rubrum, xiii, 62, 87; xiv, 23; Misc. Ess., 48, 119, 127; xv, 40; xvi, XII; xxi, 128. See also Red-legged Grasshopper.
 olivacea, xxi, 135.
 spretus, Misc. Ess., 120.
 Phalacridæ, xxiii, 180.
 infesting ears of Corn, xxiii, 11.
 Phalacrus politus, food of, xxiii, 180.
 Phalæna frugiperda, xiv, 56, 57.
 phalerata, *Apantesis*, xxiii, 76-77, 230.
 Arctia, xxiii, 76.
 nais, xxiii, 76.
 vittata, xxiii, 76.
 Phallus eaten by adult Northern Corn Root-worm, xviii, 158.
 pharaonis, *Monomorium*, xxiii, 157.
 phascoli, *Tychea*, xviii, 98, 101.
 Philadelphus, Cottony Maple Scale on, xxiv, 103.
 Phillips, J. L., xxiv, 44, 47.
 Phlepsius, xxi, 76.
 irroratus, xxi, 66, 76; xxiii, 205-206.
 Phleum pratense, xxii, 148. See Timothy.
 Hessian Fly flaxseeds in, xvii, 61.
 Phlox as food plant of Fodder Worm, xxiii, 86.
 Phlyctenia ferrugalis, general description, food plants, and life history of, xxi, 105-106.
 Phora, xix, 41.
 Phorbia fusciceps, xviii, Errata; xxiii, 70.
 Phoridae, xix, 53.
 Phorodon humuli, xviii, 57.
 Phoxopteris comptana, xiii, 61, 74, 87-95.
 Phragmites communis as breeding plant of Stalk-maggot, xxiii, 165.
 as food plant of *Sphenophorus ochreus*, xvi, 58, 69; xxii, 10.
 Phycis indiginella, xv, 65-74. See Leaf-crumpler.
 var. juglandis, xv, 70.
 Phycita nebulo, xv, 67, 68, 70, 71.
 var. nebulella, xv, 70.
 phycitæ, *Exorista*, xv, 70.
 Tachina, xv, 70.
 phyllira, *Apantesis*, xxiii, 76, 230.
 Arctia, xxiii, 76.
 phyllopus, *Leptoglossus*, xxiii, 197, 198.
 Phyllotreta albionica, xxi, 114, 123; xxiii, 109.

Phyllotreta—Continued.

- decipiens, injuries by and general appearance of, xxi, 114, 123.
 pusilla, xxiii, 109.
 vittata, xiii, 62, 86; xxi, 114, 123.
- Phylloxera eaten by Common Flower Bug, xxi, 86.
 Grape, xiv, 7.
 mode of using bisulphid of carbon for, in France, xiii, 173.
- Physalis as food plant of Margined Blister-beetle, xxi 141.
 viscosa, as food of same, Misc. Ess., 19; xv, 4.
- Phytocoris lineolaris, xiii, 116.
 quadrivittatus, xiii, 117.
- Phytoptus, Grape, xiv, 7, 84-86.
 vitis, xiv, 84-86.
 European and American forms of, contrasted, xiv, 86.
- picipes, Otorhynchus, xxi, 144.
- Pickled-fruit Fly, xiv, 84.
- picta, Mamestra, xxi, 146, 153; xxiii, 171.
- Pieris rapæ, xiv, 6, 93; xix, 22; xxi, 152.
 See also Cabbage-worm, and Cabbage-worm; European or Imported.
- Piesma cinerea, xxi, 85-86. See Pigweed Bug.
- Pigeon-grass as food plant of Corn Root-aphis, xvii, 66, 67; xviii, 62, 75.
 of Imbricated Snout-beetle, xvi, 76; xxi, 143.
 eggs of Corn Plant-louse placed on, by Lasius alienus, xv, 6.
- Pigs as enemies of White-grubs and May-beetles, xviii, 124, 128, 129, 132; xxiv, 156, 165, 166-167.
- Pigweed as breeding plant of Common Garden Web-worm, xxi, 108, 109.
 as food plant of Agallia sanguinolenta, xxi, 70.
 of Beet Army-worm, xxi, 150.
 of Black Blister-beetle, xxi, 141.
 of Carrot-beetle, xxiii, 98.
 of Cotton Cutworm, xxiii, 80.
 of garden web-worms, xxi, 106.
 of Grass-worm, xxiii, 82.
 of Margined Blister-beetle, xxi, 141; xxiii, 112.
 of Pale-striped Blister-beetle, xviii, 22; xxi, 121; xxiii, 108.
 of Striped Blister-beetle, xxi, 140; xxiii, 112.
 of Yellow-Black Flea-beetle, xxi, 116 (Errata).
- blossoms, eggs of False Chinch-bug among, xxi, 96.
 Bug, xxi, 85-86.

Pigweed—Continued.

- Common Negro-bug on, xxi, 100.
 destruction of, as measure against Garden Web-worm, xxiii, 91.
 family as natural food plants of Myzus achyrantes, xxiii, 209-210.
 Garden Flea-hopper on, xxi, 88.
 infested by Corn Root-aphis, xviii, 61.
 by Melon Aphis, xxi, 81.
 by Spanworm, xxiii, 173.
- Spiny, as food plant of Three-spotted Flea-beetle, xxi, 115.
 White, as food plant of beet leaf-miners, xxi, 60.
 Emblethis griseus on, xxi, 94.
 favorite food of Sphragisticus nebulosus, xxi, 94; xxiii, 198.
- Pigweeds as breeding place of beet leaf-miners, xxi, 62.
 infested by Hadronema militaris, xxi, 93.
 Large-eyed Purslane Bug on, xxi, 95.
 red or spiny, xxi, 52.
- Pimpla sp. as parasite of Apple Leaf-skeletonizer, xv, 85.
- Pine Bark-louse, injury to White Pine by, xvii, XIII. See also next entry.
 Chermes, White, xx, Appendix.
 flamed with gasoline blast-lamp, xxiv, 52.
 infested by Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 -leaf Scale, xx, 21.
 White, injured by Pine Bark-louse, xvii, XIII.
- pini, Ceanthus, xxiii, 218, 222.
- pinicorticis, Chermes, xvii, XIII; xx, Appendix.
- pinifoliae, Chionaspis, xx, 21.
- Pink-backed Cutworm, xvi, 95.
- Pinks, garden, as food of Black Blister beetle, xxi, 141.
 infested by Common Red Spider, xxi, 59.
 subject to attack by wireworms, xviii, 30.
- Pinoleum, soluble, for Apple Leaf-skeletonizer, xv, 61.
- pisi, Nectarophora, xxi, 83.
- piste, Exorista, xxi, 112.
- pistillata, Scudderia, xxiii, 143.
- Pitch-pine as food plant of Smartweed Caterpillar, xxiii, 170.
- placidus, Sphenophorus, xvi, 58, 62, 65, 67, 68, 70; xxii, 8; xxiii, 52.
- Plagiodera lapponica on Willow, xiv, 117.
- Plagiognathus obscurus, xxi, 87, 89; xxiii, 201, 233.
- Plain Ladybug among colonies of corn plant-lice, xiv, 33.

- Plant-beetles, xxiii, 12.
 characterization of injury to beets by, xxi, 56.
- Plant-bug, Dusky, as strawberry insect, xiii, 10, 61, 62, 124, 127, 135-138.
 See Dusky Plant-bug.
- Four-striped, xiii, 117.
 Green, as beet insect, xxi, 52.
 infested by *Sporotrichum globuliferum*, xix, 26.
 Large-eyed, xxi, 94.
 Tarnished, xiii, 11, 62, 115-135; xxiii, 12, 118-120, 199, 233. See Tarnished Plant-bug.
- Plant-bugs as beet insects, xxi, 50, 56.
 leaf-footed, xxiii, 197-198, 233.
 smaller, xxi, 93-96.
- Plant-lice, xviii, 52, 53; xix, 52; xxii, 101, 104, 127-129; xxiii, 233.
 and ants, relations between, xxiii, 126, 156, 158, 227.
 and mealy bugs infesting roots of Corn, xviii, 53, 55-108.
 as beet insects, xxi, 50, 56, 80-83, 159, 161.
 as food of ladybugs, xxiii, 179.
 of tree-cricket, xxiii, 215, 220, 221, 222.
 character of injury to Corn by, xxiii, 7.
 eaten by larger meadow grasshoppers, xxiii, 144.
 by larvæ of syrphus-flies, xxiii, 9-10, 162.
 fungus parasite of, xviii, 75.
 general description of, xxi, 80.
 grain, infection experiment with, xix, 51.
 infection experiments with, xvii, 82, 84; xix, 35, 72, 81, 85.
 infesting Broom-corn and Sorghum, xiii, 11, 40, 41-54.
 summary of facts relating to, xiii, 53.
 life history of, xviii, 56; xxi, 81.
 measures against, xiii, 54; xxi, 81.
 natural enemies of, xiii, 103; xxi, 81.
 on Corn, xviii, 57; xxiii, 206-211.
 rate of multiplication of, xviii, 56.
 strawberry, xiii, 60, 62, 98-104, 143.
 natural enemies of, xiii, 103.
 remedies for, xiii, 103.
 winter stage of, in nurseries, xxii, 104.
- Plant-louse, Apple, xiv, 98.
 Clover, xxiii, 208.
 Corn, xiii, 9, 11. See under Corn Plant-louse.
 Lesser Strawberry-, xiv, 79.
 Yellow Sorghum-, xiii, 53; xxiii, 210.
- Plantago lanceolata*, Common Negro-bug on, xvi, 51; xxi, 100.
 major, Corn Root-aphis infesting, xvii, 67; xviii, 61.
- Plantain as food plant of *Apantesis arge*, xxiii, 75.
 of Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 108.
 of Salt-marsh Caterpillar, xxiii, 74.
 of W-marked Cutworm, xxiii, 31.
 of Yellow Bear, xxiii, 74.
 infested by Corn Root-aphis, xvii, 67; xviii, 61.
 by Flea Negro-bug, xvi, 51.
 by Melon Aphis, xxi, 81.
 by Smartweed Flea-beetle, xxi, 119.
 by Soft Maple Bark-louse, xiv, 104.
- planus*, *Ancyrophorus*, xxiii, 180.
- Platygaster* error as parasite of Clover-seed Midge, Misc. Ess., 16; xv, 4.
 of Hessian Fly, xiv, 44.
lecanii, xiv, 105.
- Platymetopius acutus*, xxi, 66, 72-73.
Platynota flavedana, xxiii, 176.
- Platynus cincticollis* and *P. crenistriatus* feeding on Corn, xxiii, 177.
- plecta*, *Noctua*, xxi, 102, 104.
- Plowing Chinch-bugs under, xv, 101; xvi, 45.
 deep and rolling, effect of, on *Fegomyia vicina*, xxi, 62.
 deep fall, to destroy Garden Web-worm, xxiii, 91.
 early after Oats to be followed by Wheat, for Grass-worm, xvi, 66.
 and clean cultivation as protection against bill-bug injury, xxii, 3, 16.
 and heavy rolling after seed is sown, to prevent deposition of Chinch-bug eggs, xv, 98.
 fall for Corn Root-worm, Misc. Ess., 20; xv, 5.
 or late spring, to prevent injury by sod web-worms, xxiii, 43-44.
 to protect beets against cutworms, xxi, 101.
 late fall, as measure against Ear-worm, xxiii, 68.
 summer or early fall, to free soil of cutworms, xxi, 101; xxiii, 18, 20, 26, 29, 31.
 to destroy eggs and young of grasshoppers, xxiii, 13.
 up field and transplanting for strawberry root-worms, xiii, 174.
- Plowrightia morbosa*, xxii, 125.

Plum, xx, 15; xxi, 3.
 and Hop as alternate food plants of Hop-louse, xviii, 57.
 and Peach Curculio, experiments with arsenical poisons for the, xvii, XV, 21-25.
 feeding experiments with, xvii, 21.
 (See also Plum-curculio.)
 as food plant of Common Striped Cut-worm, xxiii, 34.
 of Imbricated Snout-beetle, xxi, 143.
 of Leaf-crumpler, xv, 66, 67, 69.
 of May-beetles, xxiv, 143.
 of Oblique-banded Leaf-roller, xiii, 94.
 of Southern Corn Root-worm beetle, xviii, 149.
 -borer, xvi, IX.
 American, xvii, XI, 26-29.
 description of, xvii, 28.
 distinguished from Peach-borer, xvii, 27.
 distribution of, xvii, 29.
 insecticides for, xvii, 27.
 literature of, xvii, 29.
 life history of, xvii, 27.
 California wash for, xxii, 50, 53, 54, 55, 68.
 Chinese, injured by American Plum-borer, xvii, 26, 27.
 -curculio bred from apples, Misc. Ess., 21.
 cost of experimental sprayings for, xxiv, 91.
 experiments in 1904 with arsenical sprays for, xxiv, 80-92.
 feeding habits of, xvii, XV.
 insecticide and apparatus used in experimental spraying for, xxiv, 82.
 outline of articles on, xxiv, 78, 79-80.
 of insecticide experiments in 1885 for protection of apples against, xxiv, 78-79.
 poison tests of apples sprayed with arsenate of lead and other insecticides for, xxiv, 92-94.
 results of experimental sprayings for, in 1904, xxiv, 82-91.
 spraying apples for, xxiv, 78-99.
 summary of results of spraying for, xxiv, 92.
 superficial injuries to apples by, as indirect cause of disease, xxiv, 78.
 commercial importance of, xxiv, 78.
 Empoasca mali on, xxi, 78.

Plum—Continued.

flamed with gasoline blast-lamp to destroy San Jose Scale, xxiv, 47, 52.
 infested by Black Peach Aphis, xxii, 100, 110.
 by Howard's Scale, xx, 16.
 by San Jose Scale, xx, 1, 6, 8, 9, 10, 11; xxi, 4, 5, 13.
 by Soft Maple Bark-louse, or Cottony Maple Scale, xiv, 104; xxiv, 103.
 by Tussock-moth, xxii, 102.
 by Walnut Scale, xxii, 115.
 injured by Cigar-Case-bearer, xxi, 146.
 by Fruit Bark-beetle, xvii, 2, 3, 4, 5, 6.
 by Leaf-crumpler, xv, 66, 67, 69, 73.
 by Tarnished Plant-bug, xiii, 122, 123.
 Japanese, infested by San Jose Scale, xxi, 27.
 leaves as food of adult Conotrachelus nenuphar, xvi, 76.
 of May-beetles, xvii, 42; xviii, 114.
 -scab, xxii, 127. See under Peach fruit-spot.
 sprayed with kerosene emulsion, xxii, 40; effect, 48, 51.
 subject to attack by Peach-tree Borer, xxii, 100, 122.
 to crown-gall, xxii, 100.
 to peach fruit-spot, xxii, 101.
 treatment of, with hydrocyanic acid gas, xxii, 29, 30, 37.
 -trees defoliated by Anomala undulata, xxiii, 186.
 Typhlocyba rosæ on, xxi, 78.
 Wild, as food of Leaf-crumpler, xv, 73.
 Plume-moth, Raspberry, description of, and note on life history of, xiv, 91-92.
 Plums burrowed by Euphoria inda, xxiii, 101.
 injured by leaf-footed plant-bugs, xxiii, 197.
 by Western Green June-beetles, xxiii, 102.
 Plusia brassicæ, xxi, 146.
 Cabbage, injuries by and parasites of, xxi, 152-153.
 Celery, xxi, 153.
 Poa compressa as food plant of Colaspis Root-worm, xxii, 148.
 pratensis, xvii, 62.
 poæ, Rhizobius, xviii, 106.
 Podisus, xxiii, 195.
 Pœcilocapsus lineatus, xxiii, 200-201, 233.

- Pogonomyrmex barbatus*, xxiii, 7, 159.
 Pokeweed as food plant of *Prodenia ornithogalli eudiopta*, xxiii, 80.
 Pole-beans damaged by Smartweed Flea-beetle, xxiii, 191.
polita, Mesograpta, xxiii, 162.
politum, Mesogramma, xxiii, 162.
politus, Phalacrus, xxiii, 180.
 Pollen as food of Corn Root-worm beetles, xiii, 56; Misc. Ess., 20; xviii, 148, 157, 158, 160, 161.
 Corn, as food of capsid, xxiii, 202.
 of Corn-feeding Syrphus-fly, xxiii, 162, 163.
 of *Cebalus pugnax*, xxiii, 194.
 of *Phalacrus politus*, xxiii, 180.
 eaten by meadow grasshoppers, xxiii, 145.
 by *Rhynchites hirtus*, xvi, 75, 76.
polycephalum, Gnaphalium, xiv, 21; xxiii, 175.
Polydesmus burrowing in strawberries, xiii, 139.
 infested by *Sporotrichum globuliferum*, xvii, 81.
Polygonum as food plant of Corn Root-aphis, xv, 6; xviii, 50, 61; xxiv, 21.
 of *Pyrria umbra*, xiv, 90.
 of Smear'd Dagger, xiii, 82.
aviculare as food plant of Raspberry Measuring-worm, Misc. Ess., 129.
 eaten in breeding-cages by *Apanthesis phalarata*, xxiii, 76.
 infested by Beet Aphis, xxi, 159.
dumetorum refused as food by Chinch-bug, xvi, 50, 56.
hydropiper infested by Smear'd Dagger, xiii, 82.
 infested by Grass Root-louse, xviii, 88.
 by Soft Maple Bark-louse, xiv, 104.
pennsylvanicum as breeding plant of *Lixus terminalis*, xvi, 76.
 Pyrria angulata collected from, xiv, 90.
 persicaria, xvi, 51; xvii, 65, 66; xviii, 62; xxiv, 24.
Polymœchus brevipes artificially infected with *Botrytis tenella*, xviii, 133; xix, 70.
Polyphylla melolontha, xvii, 33.
polyturator, Pelecinus, xviii, 124, 134; xix, 79.
 Pomace-fly, Grape, xiv, 7.
pomonella, Carpocapsa, Misc. Ess., 9, 22, 26; xv, 2, 7-20.
pomorum, Mytilaspis, xxii, 119.
 Pop-corn injured by Red-banded Leaf-roller, xxiii, 175.
 Popenoe, E. A., xiii, 40; xiv, 24; xvi, 45, 59; xxi, 88.
 Poplar as food plant of Goldsmith-beetle, xiii, 146, 148.
 of San Jose Scale, xxi, 13.
 Carolina, as food plant of May-beetles, xxiv, 143, 144, 145.
 injured by Smartweed Caterpillar, xxiii, 170.
 Lombardy, as food plant of May-beetles, xviii, 114.
 of Smartweed Caterpillar, xxiii, 170.
 of Smear'd Dagger, xiii, 82.
 injury to, by *Crepidodera helxines*, xiv, 117.
 subject to injury by Cottony Maple Scale, xxiv, 103.
 Poplars, Lachnosterna beetles collected from, xxiv, 141.
 Poppy as food plant of Army-worm, xxiii, 49.
Populus monilifera as food plant of May-beetles, xxiv, 143.
Porthetria dispar, xxiii, 87-89.
Portulaca, xviii, 157.
 destroyed by White-grubs, xviii, 112.
 oleracea as breeding plant of Corn Root-aphis, xviii, 61.
posticata, Botis, xxi, 108.
Potassium cyanide, xx, 24.
 for wireworms, xviii, 49.
 Potato as food plant of Beet Army-worm, xxi, 150.
 of blister-beetles, Misc. Ess., 19; xv, 4; xxi, 139, 140, 141; xxiii, 112.
 of Clay-backed Cutworm, xxiii, 29.
 of Common Striped Cutworm, xxiii, 34.
 of Cotton Cutworm, xxi, 148; xxiii, 80.
 of Dark-sided Cutworm, xxiii, 33.
 of *Dissosteira longipennis*, xxiii, 213.
 of European Beet-Tortoise-beetle, xxi, 124.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xiv, 62; xxiii, 82.
 of Greasy Cutworm, xxiii, 21.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 of Spotted Blister-beetle, xxi, 139.
 of Variegated Cutworm, xxiii, 24.
 of Zebra-caterpillar, xxi, 153.

Potato—*Continued.*

- Beet *Aphis* reported on, xxi, 159.
 -beetle, Colorado, killed by gasoline blast-lamp, xxiv, 54.
 Common, and larvæ, gasoline blast-lamp for, xxiv, 56.
 Old-fashioned, Misc. Ess., 19. See Blister-beetle, Striped.
 -beetles, infection experiments with, xix, 35.
 blossoms injured by Western Green Stink-bug, xxi, 97; xxiii, 116.
 -bugs, old-fashioned. See Blister-beetles.
 Flea-beetle, breeding plants of and injuries by, xxiii, 190.
 food plants, life history, and parasite of, xxi, 117.
 infested by *Colaspis brunnea*, xxii, 145, 148.
 by Stalk-borer, xxiii, 46.
 injured by cutworms, xvi, 84, 85, 91.
 by *Empoasca mali*, xxi, 78.
 by False Chinch-bug, xxi, 96; xxiii, 118.
 by grasshoppers, Misc. Ess., 50.
 by iulids, or thousand-legged worms, xiii, 140; xxiii, 222.
 by Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 108.
 by *Phyllotreta decipiens*, xxi, 123.
 by Potato Flea-beetle, and breeding plant of same, xxi, 117; xxiii, 190.
 by Wheat Wireworm, xviii, 37.
 Sweet. See Sweet Potato.
 Potatoes infested by Meal-moth, xviii, X.
 injured by adult *Diabrotica tenella*, xxiii, 188.
 subject to injury by White-grubs, xvii, 41; xviii, 109; xx, 29.
 by wireworms, xviii, 30.
Potentilla, *Paria aterrima* abundant on, xiii, 169.
prætermissa, *Lachnosteria*, xvii, 47, 48; xviii, 139, 141.
 Prairie-chicken, xxiv, 149.
 Prairie Walking-stick, xxiii, 211-212, 229.
pratense, *Phleum*, xvii, 61; xxii, 148.
pratensis, *Bryobia*, xiv, 73.
Lygus, xxi, 87, 90; xxiii, 12, 118, 233.
Poa, xvii, 62.
Prenolepis imparis, xxiii, 158-159.
nitens, xxiii, 158.
Prentiss, A. N., xix, 22.
 Primrose, Evening, as food plant of *Scelodonta pubescens*, xiii, Addenda, II; xiv, 81.
 injured by Black Vine-weevil, xxi, 144.

- Prionus* grubs distinguished from common White-grubs, xviii, 146.
 injuries by, xviii, 146; xxiii, 12.
imbricornis, Misc. Ess., 102; xviii, 54, 146.
laticollis, xviii, 54, 146.
 Tile-horned, Misc. Ess., 102.
 Privet injured by Mealy Flata, xxi, 84.
 Proctotrupidæ, xiv, 105.
Prodenia, xxiii, 10.
autumnalis, xiv, 57.
 var. *fulvosa*, xiv, 57.
 var. *obscura*, xiv, 57.
daggyi, xiv, 56.
eudiopta, xxiii, 79.
lineatella, xxi, 148; xxiii, 79.
ornithogalli, xxi, 148-149; xxiii, 79-81.
eudiopta, xxiii, 80.
productus, *Tetrastichus*, Misc. Ess., 15.
proliferum, *Panicum*, xviii, 105.
Protoparce carolina, xvii, XIII.
 infection experiments with, xix, 35, 48, 71, 83, 109.
 Protozoa, parasitic, xix, 17, 18, 19, 190.
pruinosa, *Ormenis*, xxi, 83; xxiii, 203.
 Prune subject to attack by Peach-tree Borer, xxii, 122.
 Prunes injured by Western Green June-beetle, xxiii, 102.
prunicola, *Aphis*, xxii, 107.
prunina, *Lachnosteria*, xvii, 47, 49; xviii, 139 (Errata).
prunivorella, *Ornix*, xv, 52, 53, 55.
Prunus as food plant of Apple Tischeria, xv, 46.
serotina, xv, 52.
simoni, xvii, 26, 27.
pseudacacia, *Robinia*, xiv, 116.
Pseudanaphora arcanella, xvi, X, 98-101; xxiii, 44, 95, 97.
pseudargyria, *Heliophila*, xxiii, 171.
Leucania, xxiii, 171.
pseudochinche, *Anthopcoris*, xiii, 105.
Psylla pyri, xiv, 98, 100.
Psyllodes convexior, xxi, 114, 124; xxiii, 192.
interstitialis, xxiii, 192.
punctulata, xxi, 114, 124; xxiii, 191.
Ptelea trifoliata infested by *Empoasca mali*, xxi, 78.
Pteromalus bimaculatus as parasite of Fruit Bark-beetle, xvii, 5.
fulvipes, a parasite of Hessian Fly.
 description of, xiv, 47-48; Misc. Ess., 15.
 calendar of, xiv, 49.
pallipes, a parasite of Hessian Fly.
 description of, xiv, 46-47.
 calendar of, xiv, 49.
 Pterophoridaæ, xvii, 29.

- Pterostichus lucublandus* and *P. per-*
mundus feeding on Corn, xxiii, 177.
 sayi as enemy of Root Web-worm,
 xiv, 16.
- Ptycholoma persicana*, xiii, 62, 97.
pubescens, *Agriotes*, xviii, 8, 39, 55.
Graphops, xiii, Addenda, I.
Heteraspis, xiii, Addenda, II.
Scelodonta, xiii, Addenda, II; xiv, 81.
puella, *Liburnia*, xxi, 65, 68.
- *pugnax*, *Cebalus*, xxiii, 194.
- pulicaria*, *Chaetocnema*, xiv, 22; Misc.
 Ess., 106; xviii, VII; xxi, 114, 118;
 xxiii, 109.
- Corimelana*, xvi, 51; xxi, 99; xxiii,
 115, 233.
- pulicarius*, *Latridius*, xxiii, 182.
Thyreocoris, xiii, 62, 106; xvi, XII,
 51.
- pullatus*, *Elasmus*, xv, 50.
- Pullen*, B., xiii, 91.
- Pulvinaria innumerabilis*, xiii, 62; xiv,
 3, 7, 103-109, 115; xv, 6; xxiv, 100-
 117.
- pumila*, *Melanophthalma*, xxiii, 182.
- Pumpkin as food plant of Ear-worm,
 xxiii, 67.
 of Garden Web-worm, xxiii, 89,
 91.
 of *Silpha bituberosa*, xxi, 137.
 of W-marked Cutworm, xxiii,
 31.
- Strawberry Crown-girdler at roots of,
 xxiii, 193.
- Pumpkins eaten into by Larger (or
 Southern) Corn Root-worm
 beetle, xvii, 72; xviii, 148.
 by Northern Corn Root-worm
 beetle, xviii, 158.
- punctata*, *Agallia*, xxi, 68.
- puncticollis*, *Monoxia*, xxi, 52, 115, 127.
punctulata, *Psylliodes*, xxi, 114, 124;
 xxiii, 191.
- purchasi*, *Icerya*, xx, 22.
- purpureum*, *Eupatorium*, xxi, 80.
- Purslane, xxi, 52, 107.
 as breeding and food plant of Corn
 Root-aphis, xvii, 67; xviii, 61.
 as food plant of False Chinch-bug,
 xxi, 96.
 of Garden Mamestra, xxi, 151.
 of garden web-worms, xxi, 106,
 108, 109; xxiii, 89.
 of Grass-worm, xxiii, 82.
 of Pale-striped Flea-beetle, xviii,
 22; xxi, 121; xxiii, 108.
 of Purslane-sphinx, xxi, 155.
- Bug, Large-eyed, xxi, 95.
 -caterpillar, xxi, 146, 154-155.
 coleopterous larva on roots of, xviii,
 157.
- Purslane—*Continued*.
 destroyed by White-grubs, xviii, 12.
 infested by Large-eyed Purslane Bug,
 xxi, 95.
 by Melon Aphis, xxi, 81.
 -sphinx, xxi, 146, 155-156.
pusilla, *Phyllotreta*, xxiii, 109.
 Putnam, J. Duncan, xiv, 105.
 Putnam Scale, xx, 16, 17; xxii, 114.
 economic importance of, xxii, 115.
 treatment for, xxii, 116.
 trees infested by, xxii, 115.
 winter stage of, xxii, 113.
- Pyralis farinalis* infesting potatoes, xviii,
 X.
- Pyrameis cardui* infested with *Sporo-*
trichum globuliferum, xix, 57.
- Pyraustidæ, xxi, 105.
- Pyrethrum*, Misc. Ess., 18.
 for Cherry-slug, xiv, 117.
 for Dusky Plant-bug, xiii, 138.
 for Elm Plant-louse, xiv, 115.
 for False Chinch-bug, xiii, 106.
 for plant-lice, xiii, 104.
 for Rose-slug, xiii, 76.
 for Soft Maple Bark-louse, xiv, 108.
 for Spindle-worm, xxiii, 86.
 for strawberry insects, xiii, 69, 76;
 xiv, 78.
 for Tarnished Plant-bug, xiii, 132;
 xiv, 80.
 for willow saw-flies, xiv, 102.
- Pyrgota undata* as parasite of May-
 beetles, xxiv, 162.
 pupa and imago of, described, xxiv,
 163.
- pyri*, *Eriophyes*, xxii, 132.
Psylla, xiv, 98, 100.
Xyleborus, xvii, 2.
- pyrifoliæ*, *Triozæ*, xiv, 98.
- Pyrrhæctia isabella*, xxi, 146, 156. See
 under Woolly bears.
- Pyrrhia*, xiv, 89.
angulata, xiv, 89.
exprimens, xiv, 89.
umbra, description of, xiv, 89.
 distribution and life history of, xiv,
 90.
 injuries to vegetation by, xiv, 90.
 literature of, xiv, 88-89.
- pyrrhopus*, *Rhinoncus*, xvi, 77.
- Pyrus coronaria*, xiii, 161.
 Apple *Tischeria* bred from, xv, 46.

Q

- quadrigibbus*, *Anthonomus*, Misc. Ess.,
 26.
- 4-guttata*, *Paria*, xiii, 159.
- 4-guttatus*, *Ips*, xxiii, 11-12, 181, 227, 228.
- 4-lineata*, *Cicadula*, xiv, 22, 68; Misc.
 Ess., 117; xxi, 77.

- 4-notata, *Paria*, xiii, 159.
 4-punctata, *Agallia*, xxi, 65, 68, 69, 70; xxiii, 121, 123.
 4-punctatus, *Ecanthus*, xxiii, 217, 218, 220.
 4-vittatus, *Capsus*, xiii, 117.
Phytocoris, xiii, 117.
 Quail, xvi, 72; xxiv, 149.
quercitrionis, *Lecanium*, xiv, 105.
 Quickgrass, Hessian-Fly flaxseeds in, xvii, 61.
 Quicklime, xvi, 60.
 Quince, effect of kerosene emulsion on, xxii, 52.
 Flowering, infested by San Jose Scale, xx, 1; xxi, 13.
 infested by San Jose Scale, xx, 1, 11; xxi, 13, 17, 19.
 injured by Flea Negro-bug, xiii, 107, 110.
 by Leaf-crumpler, xv, 66, 69, 73; xxii, 130.
 by Tarnished Plant-bug, xiii, 122, 123.
 subject to crown-gall, xxii, 100.
 to fire-blight, xxii, 101.
 to injury by Fruit Bark-beetle, xvii, 6.
 Quinces injured by Striped Cricket, xxiii, 215.
 15-punctata, *Anatis*, xvi, XI.

R

- Raccoons as enemies of White-grubs, xviii, 124.
radicola, *Tychea*, xviii, 94.
 Radish as food plant of Army-worm, xxiii, 49.
 of Common Striped Cutworm, xxiii, 34.
 of Dark-sided Cutworm, xxiii, 33.
 of Glassy Cutworm, xxiii, 20.
 of Seed-corn Maggot, xxiii, 70.
 of Western Green Stink-bug, xxi, 97; xxiii, 116.
 destroyed by Cabbage Flea-beetle, xxi, 123.
 by Pale-striped Flea-beetle, xxiii, 108.
 infested by Rhubarb Flea-beetle, xxi, 124.
 injured by False Chinch-bug, xxi, 96; xxiii, 118.
 by Imbricated Snout-beetle, xxiii, 113.
 by *Phyllotreta decipiens*, xxi, 123.
 leaves riddled by Northern Corn Root-worm beetle, xxi, 127.
 Radishes, injuries to, by anguillulid, xvii, XII.

- Ragweed, xviii, 156.
 as breeding plant of *Tortrix pallorana*, xiv, 74.
 as food plant of Army-worm, xxiii, 49.
 of Corn Root-aphis, xvii, 67; xviii, 61; xxiv, 21, 25.
 of Dusky Leaf-bug, xxiii, 199.
 of *Euphoria inda*, xxiii, 101.
 of Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 108.
 of Salt-marsh Caterpillar, xxiii, 74.
 of Smartweed Flea-beetle, xxi, 119.
 of Southern Corn Root-worm beetle, xviii, 148.
 of Stalk-borer, xxiii, 46.
 infested and bred on by Green Flata, xxi, 118.
 by Corn Flea-beetle, xxi, 118; xxiii, 110.
 by Flea Negro-bug, xvi, 51.
 by San Jose Scale, xxi, 42.
 pollen as food of adult Corn Root-worm, xviii, 158.
rantalis, *Eurycreon*, xxi, 108.
Ranunculus acris, Sulphur Leaf-roller bred from, xiv, 20.
rapæ, *Pieris*, xiv, 6, 93; Misc. Ess., 128; xv, 1; xvi, IX; xix, 45, 46, 53, 77, 99; xxi, 152.
 Rape as food plant of Cotton Cutworm, xxiii, 80.
 subject to attack by wireworms, xviii, 30.
rapidos, *Calocoris*, xxi, 87, 92; xxiii, 199, 233.
Capsus, xiii, 136.
Deræocoris, xiii, 10, 62, 124, 127.
 Raspail, Xavier, xxiv, 137.
 Raspberries, xx, 15.
 as food of thousand-legged worms, xxiii, 222.
 burrowed by *Euphoria inda*, xxiii, 101.
 eaten by adult Banded Ips, xviii, 24.
 by *Euschistus variolarius*, xxiii, 196.
 injured by Western Green June-beetle, xxiii, 102.
 Raspberry, *Acanthocerus galeator* on, xxi, 97.
 and Blackberry, on new insect enemies of, xiv, 87-92.
 anthracnose of, xxii, 99, 101, 104, 126-127.
 Apple *Tischeria* bred from, xv, 46.
 as food plant of Army-worm, xxiii, 49.
 of Clay-colored Weevil, xxi, 145.

Raspberry as food plant—*Continued.*
 of Cotton Cutworm, xxi, 148; xxiii, 80.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 of *Paria aterrima*, xiii, 169.
 of Red-banded Leaf-roller, xxiii, 175.
 of Rose-chafer, xxiii, 184.
 of San Jose Scale, xx, 1; xxi, 13.
 of Smeared Dagger, xiii, 82.
 of Southern Corn Root-worm beetle, xviii, 149.
 -cans infested by Stalk-borer, xxiii, 46.
 crown-gall of, xxii, 111.
 eggs of meadow grasshoppers in stems of, xxiii, 146.
 grape leaf-hoppers on, xxi, 79.
 infested by Horned Spanworm, xiii, 79.
 by *Oncometopia undata*, xxi, 71.
 by Rose, or Raspberry, Scale, xxii, 120.
 injured by Black Vine-weevil, xxi, 144.
 by *Empoasca mali*, xxi, 78.
 by Flea Negro-bug, xiii, 107, 110.
 by grasshoppers, Misc. Ess., 50.
 by Potato Flea-beetle, xxi, 117.
 by Raspberry Measuring-worm, Misc. Ess., 129.
 by Solitary Caterpillar, xv, 1.
 by Strawberry Flower-worm, xiii, 111.
 by Strawberry Leaf-roller, xiii, 92.
 by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 111.
 by tree-cricket, xxiii, 216.
 leaves as food of May-beetles, xviii, 115.
 rolled by Rusty-Brown Tortrix, xxiii, 176.
 Measuring-worm, food plants and description of, and measures against, Misc. Ess., 128-130.
 Plume-moth, description of and note on life history of, xiv, 91-92.
 refused as food and breeding plant by adult *Oberea ulmicola* in confinement, xxiv, 121.
 Scale, xxii, 113, 120. See under Rose, or Raspberry, Scale.
 -slug, xiv, 91.
 stems burrowed by *Parajulus venustus*, xxiii, 223.
 Three-banded Leaf-hopper abundant on, xiv, 115.
 Wild and Cultivated, as food plant of Smartweed Caterpillar, xxiii, 170.
 Ratzburg, J. T. C., xvii, 32.

Red ant associated with termites, xix, 198.
 -backed Cutworm, xxiii, 232.
 description, range, injuries, and life history of, xxiii, 34-35.
 -banded Leaf-roller, xiv, 20-21; Misc. Ess., 88; xxiii, 175-176.
 Cedar, *Agallia novella* on, xxi, 69.
 Clover. See Clover, Red.
 Elm apparently immune from injury by Elm Twig-girdler, xxiv, 121.
 Haw as food plant of San Jose Scale, xxi, 13.
 infested by *Euphoria inda*, xxiii, 101.
 injured by Canker-worm, xxii, 144.
 -headed Flea-beetle, xxi, 120.
 -humped Apple-tree Caterpillar, xvii, XII.
 -legged Grasshopper, or Locust, xiii, 62; Misc. Ess., 119; xxi, 130; xxiii, 67, 136, 142, 219, 229.
 habits and life history of, Misc. Ess., 49.
 injuries by, xiii, 87; xiv, 23; Misc. Ess., 48, 50-51, 53; xxi, 128.
 situation of eggs of, and destruction of same by natural enemies, Misc. Ess., 53, 54.
 Locust Mite as enemy of grasshoppers, Misc. Ess., 52, 53, 54; xv, 40, 41, 43.
 mite, xiii, 61. See also Red Spider.
 infesting larva of *Deltocephalus inimicus*, xxi, 75.
 -necked Caterpillar, xvii, XIII.
 Pigweed, xxi, 52.
 -shouldered Hawk, June-beetles eaten by, xviii, 123.
 Spider as a strawberry insect, xiii, 62, 106.
 Common, xxi, 58-59.
 host plants of, and those worst injured, xxi, 58-59.
 injury to Larch by, and measure against, xiv, 117.
 spiders, xxiii, 223, 233.
 characterization of injury to, beetes by, xxi, 56, 58.
 -tailed Hawk, June-beetles eaten by, xviii, 123.
 Redbud injured by grape leaf-hoppers, xxi, 79.
 Redtop, xvii, 62.
 Reed, common, as food plant of corn bill-bug larvæ, xxiii, 52.
 infested by Stalk-maggot, xxiii, 165.
 Reeds, xxii, 10.
 Reeves, G. I., xxiv, 44, 50.
 relictus, *Ligyra*, xxiv, 137.

Remedies and preventives for insect depredations:

- abandonment of culture of certain crops, xiv, 54; xv, 96, 97, 102; xxiii, 59.
- adhesive mixtures, xvii, XIII.
- agricultural management and procedure, xv, 95-100; xxi, 53, 129, 161, 163, 165; xxiii, 59; xxiv, 6, 7, 165.
- arsenate of lead, xxiii, 89; xxiv, 82, 92, 93, 94, 132.
- arsenic, xvi, 41, 56; xviii, 49; xxiii, 14.
white, xv, 7, 8, 14, 20, 61; xvii, 43.
and sal-soda, xxi, 54.
with sugar, bran, and water, Misc. Ess., 55.
- arsenical poisons, xiii, 84, 171; xiv, 98; Misc. Ess., 10, 27, 28-37, 40-41, 42-44, 55; xv, 7-20, 60, 64, 81, 85; xvi, 60; xvii, XV, 21-25; xviii, 13, 49, 132; xxi, 53, 64, 81, 107, 113, 138, 143, 151; xxii, 135, 136, 139; xxiii, 113; xxiv, 131, 167, 168.
- artificial multiplication of natural enemies, xiii, 66.
- ashes, wood, xiii, 171; xviii, 76, 77.
- bands on tree trunks, and destruction of pupæ beneath same, Misc. Ess., 26.
- barriers and traps, xiii, 66, 67, 68, 84; xiv, 67; xv, 100; xvi, 43, 56; xix, 5, 7-15; xx, 35-44; xxi, 102, 148; xxiii, 11, 29, 30, 84, 149.
- beating twigs or plants, xiii, 132, 138.
- benzine, xix, 199.
- bisulphid of carbon, xiii, 69, 172; Misc. Ess., 5; xviii, 50; xix, 199; xxi, 53.
- Bordeaux mixture, xxii, 111, 127.
for conveying arsenical insecticides, xxi, 53, 113.
- bran mash, poisoned, xxi, 54, 101.
- buhach, xvi, 42, 56.
- building fires to destroy moths, xv, 67.
- burning egg-masses, xiv, 109; xxiii, 89.
fallen leaves, xv, 50, 57, 64.
grass, xiii, 59; xxi, 72.
infested fodder and waste, xxiii, 87.
leaves, xxii, 134.
- insects in winter quarters or as they begin to leave same, xv, 101; xvi, 53, 57; xxi, 98.
- mulch or rubbish, xiii, 69, 131; xiv, 98; xxi, 53, 86, 91, 96.

Remedies, etc.: burning—*Continued*.

- over borders of fields, thickets, woodlands, etc., xv, 102; xvi, 72.
- over corn fields, xiv, 33.
- over grass-lands, xxiii, 14.
- over ground where grain has been destroyed by chinch-bugs, xv, 101.
- over strawberry fields, xiii, 68, 76, 88, 93, 95, 96, 104.
- shelters provided, Misc. Ess., 54.
- straw, xiii, 31, 37.
or rubbish spread around for night shelter of Chinch-bug, xv, 101.
- stubble, xiii, 31, 33, 37; xv, 31; xvi, 59, 60, 62, 71.
- California wash, xxii, 45, 50, 52-56.
- capture by hand-picking, lures, nets, etc., xiii, 15, 66, 67, 68, 76, 106, 111, 112, 131, 145; xiv, 17, 78; Misc. Ess., 13; xv, 2, 64; xvi, 59, 61; xviii, 128; xxi, 54, 101, 143, 155.
- carboleum, xxi, 41.
- carbolic acid, xiii, 69, 173, 176, 180; xiv, 108; xvii, 27.
- carbon bisulphid. See bisulphid.
- chickens, xiii, 93; xx, 34.
- chlorine gas, xix, 199.
- clean culture, xviii, 128; xxi, 52, 63, 86, 96; xxiii, 12.
fallow, xviii, 50.
farming, xiii, 131; xv, 96, 102; xxi, 52, 63, 86, 96; xxiii, 62.
- coal-tar, xv, 100; xvi, 43; xix, 5; xx, 42; xxiii, 63.
and oil, as barrier to migration, xiv, 43, 56.
and post-hole barrier, xx, 35-41; xxiv, 30, 31, 34, 35, 37-40, 56-57.
- emulsion, xvi, 41, 56.
water, xvi, 40, 56.
- collecting egg-masses, xxiii, 14.
- contagious diseases, spread of, by artificial means, xv, 102; xviii, 132; xxiv, 167.
- copperas, xviii, 49.
- corrosive sublimate, xvi, 42, 56; xviii, 49.
- creosote oil, xxiii, 89.
- Criddle mixture, xxiii, 14, 65.
- cropping against, xiii, 68; xviii, 50.
- crushing larvæ, xv, 85.
- culture of crops not affected by Chinch-bug, xv, 97, 102; xxiii, 59.
special methods of, xiii, 66, 67.
cutting off and destroying infested stalks, xiii, 27.
- destruction of beetles before eggs are deposited, xxiv, 167.

Remedies, etc.: destruction—*Continued.*
 of eggs, xiii, 10; xxii, 135, 136.
 of fallen fruit, Misc. Ess., 26;
 xxiv, 80.
 of infested twigs, xxiv, 131.
 of Pigweed, xxiii, 91.
 of screenings, xiv, 54; xv, 31.
 of trees, xiv, 115; xvii, 11.
 of volunteer Wheat, xv, 31.
 of winter harborage, xxiii, 12.
 digging out and destroying breeding centers, xxiii, 161.
 ditching against migrating insects, xvi, 53, 57; xxi, 148.
 draining and cultivating swampy tracts covered with coarse grass, xvi, 72.
 driving into ditches, Misc. Ess., 55.
 dusty strip and furrow, xxiii, 62-63; xxiv, 30, 34, 36-37, 57.
 early and repeated stirring of ground in spring, xxiv, 8.
 fall plowing, xxiv, 6.
 and clean cultivation, xxii, 16.
 mowing and feeding of grass, xxiii, 47.
 planting, xv, 98, 102.
 and active cultivation, xxi, 113.
 Egyptian insecticide, xvi, 42, 56.
 favorite food plants as decoys, xiii, 107; xiv, 80.
 fertilizers, xiii, 54; xv, 97, 102; xvi, 35, 55; xvii, 6, 12; xviii, 76-79, 128, 162.
 flax crop on swamp sod, xvi, 71; xxii, 1.
 Fowler's solution, xviii, 49.
 fumigation, xix, 199; xx, 24; xxi, 25-26; xxii, 28, 29, 30, 31-44, 56, 57, 107, 110, 113, 117.
 furrow and post-hole barrier, xix, 5; xxiii, 51, 63.
 plowed to check migration, xiv, 67; xx, 35; xxiii, 20, 51.
 gas-lime, xiii, 67, 145; xv, 101, 103; xvi, 41, 56; xviii, 50.
 gasoline, Misc. Ess., 5; xix, 199.
 blast-lamp, xxiv, 43-56, 57, 58.
 gas-tar bands, xxii, 139.
 Hammond's slug shot, xv, 61.
 harrowing in fall, xxiii, 91.
 to expose eggs, larvæ, and pupæ, Misc. Ess., 55; xxi, 107.
 hellebore, xiii, 69, 76, 85; xiv, 117.
 herding cattle and pigs together, xxiv, 165.
 hoed crop, xiii, 67.
 hopperdozer, xxi, 129; xxiii, 14, 65, 66.
 hot water, xv, 101; xix, 199; xxi, 107.

Remedies and preventives—*Continued.*
 hydrocyanic acid gas, xx, 24; xxi, 25, 26.
 irrigation of fields infested by Chinch-bug, xv, 100.
 jarring or shaking insects from trees and destroying, xiii, 131; xviii, 129, 130, 131; xxiv, 167, 168.
 kainit and other fertilizers as insecticides, xviii, 132.
 fertilization with, xviii, 50.
 kerosene, xiii, 104, 115; Misc. Ess., 18, 128; xviii, 49; xix, 199; xx, 41; xxi, 2, 40, 41, 53, 59, 64, 81, 92, 138, 144; xxiii, 51, 63, 103.
 and salt, xx, 42, 44.
 and sand, xvi, 62.
 emulsion, xiii, 69, 104, 106, 133, 138; xiv, 33, 97, 100, 105, 108, 117; Misc. Ess., 13, 24; xv, 101; xvi, XI, 37-39, 55; xvii, XIII, 43, 53; xviii, 49, 132; xix, 77, 199; xxi, 53, 59, 62, 63, 81, 96; xxii, 27, 39, 40, 41, 42, 45-52, 56, 57, 107, 110, 113, 116, 120, 129, 132, 134; xxiii, 64, 91.
 and mixtures, xxiv, 30, 31, 32, 40-42, 55-56, 57, 59, 106-114, 116.
 in combination with ditches and furrows or belts of coal-tar, xvi, 56.
 with whale-oil soap, xxii, 96, 97.
 pure, xxii, 91-95.
 late planting, xv, 98.
 sowing, xiii, 27, 29; xiv, 36, 55; xv, 29; xvii, 63.
 laundry soap, xiv, 108; xvii, 27.
 leaving old hills of corn after re-planting, xiv, 16.
 light-traps for beetles, xvi, XI; xviii, 129, 131; xxiv, 167, 168.
 for moths, xv, 85.
 lime, xiii, 171; xiv, 97; Misc. Ess., 27-28, 37-39, 41, 44-45; xv, 64; xvi, 61; xviii, 50, 76, 77.
 and London purple or Paris green, xxi, 54, 138.—with Bordeaux mixture added, 53.
 arsenite of, xxii, 141.
 chloride of, xviii, 49, 50.
 -water, xvi, 41, 56.
 lobelia-water, xvi, 40, 56.
 London purple, xiii, 69, 76, 80, 171; xiv, 98; Misc. Ess., 35-37, 40, 43-44, 55; xv, 7, 14, 20; xvi, 42, 56, 72; xvii, 23-24, 25.
 and lime, xxi, 54, 138.
 "Los Angeles Co. Wash No. 5," xxii, 96, 97.

Remedies and preventives—*Continued.*

lures to hibernation distributed, and burned later, xv, 101.
 luring to lights, xiii, 69.
 mixture of seed, xv, 98, 102.
 muriate of potash, xviii, 50, 77.
 and petroleum, xviii, 77.
 nitrous-acid gas, xix, 199.
 pans, drawn by boys or horses, Misc. Ess., 55.
 paper bags, inclosing grapes in, xiv, 84.
 Paris green, xiii, 10, 69, 76, 80, 81, 84, 86, 171; xiv, 67, 98; Misc. Ess., 18, 27, 29, 30-35, 40, 41, 42-43, 55; xv, 7, 9, 10-13, 14, 15-20, 64, 70; xvi, 42, 56, 72; xvii, 22-23, 24, 25, 43, 53; xviii, 129, 132; xxi, 55, 120, 138, 148; xxiii, 14, 19, 51, 91; xxiv, 80.
 and flour, xviii, 15.
 and lime, xxi, 53, 54, 138; xxii, 131.
 with Bordeaux mixture, xxi, 53.
 and whale-oil soap, xxi, 128.
 in bran mash, dry bran, or middlings, xxi, 101; xxiii, 18, 31, 33.
 pasturing with pigs, xviii, 124, 128; xx, 34; xxi, 165; xxiii, 18, 23; xxiv, 156, 166-167.
 with sheep, xvii, 63.
 petroleum and muriate of potash, xviii, 77.
 and sulphate of potash, xviii, 77.
 and superphosphates, xviii, 77.
 crude, xviii, 49; xx, 42, 44; xxii, 27, 91-95; xxiv, 56, 59.
 emulsion of, xviii, 49.
 picking off larval cases, xv, 66, 67, 68, 70, 73, 74; xxii, 131.
 plowing, to destroy eggs and young, xxiii, 13, 31.
 and harrowing around infested fields, xv, 100.
 deep, xiv, 54.
 fall, xxiii, 91.
 early fall, xiv, 66; Misc. Ess., 20; xv, 5; xxiii, 18, 26, 29, 43, 57.
 fall, xv, 98; xxi, 53, 101.
 and spring, xxi, 53.
 grass-lands in spring and harrowing, xxi, 129.
 insects under, or killing by burning over ground where grain has been destroyed, xv, 101.
 late fall, xvii, 69-70; xviii, 75, 78, 80; xxiii, 68.

Remedies, etc.: plowing—*Continued.*

late spring, xxiii, 44.
 summer or early fall, xxi, 101; xxii, 3.
 midsummer, or early fall, xxiii, 18.
 and harrowing, xxiv, 80.
 under infested outer rows of Corn, xv, 101.
 up killed grain and planting to other crops, xv, 101.
 poisoned baits, xxi, 55, 101, 103, 129; xxiii, 18, 19, 29, 30, 142.
 potassium cyanide, xviii, 49.
 printers' ink, xxii, 142-143, 144.
 pyrethrum, xiii, 69, 76, 81, 104, 106, 115, 132; xiv, 78, 80, 97, 102, 108, 115, 117; xxiii, 86.
 repellent substances, xv, 102; xvii, 6.
 rolling, xiv, 66; Misc. Ess., 54; xv, 98.
 rotation of crops, xiii, 15, 27, 29, 32, 33, 34, 37, 50, 54; Misc. Ess., 19, 20; xv, 4, 5, 6, 96; xvi, 6; xvii, 69; xviii, 50, 58, 75, 80, 128, 162; xx, 34; xxi, 52, 53; xxii, 110, 111, 124; xxiii, 11, 12, 16; xxiv, 20-24, 28, 165.
 sal-soda and white arsenic, xxi, 54.
 salt, xiii, 171; xvii, 43; xviii, 49, 50, 76, 77.
 soap-suds, xiii, 106; xv, 101.
 as means of conveying arsenical insecticides, xxi, 53.
 soda, xvii, 27.
 soluble pinoleum, xv, 61.
 soot, xiii, 171.
 sowing resistant varieties, xvii, 63.
 strips of favorite food plants, xv, 99.
 of plants exempt from chinch-bug attack as barriers to migration, xv, 99.
 surplus seed, xv, 98.
 spraying trees to which beetles resort, xviii, 129.
 with special apparatus, xxi, 64.
 starvation, xvii, 69; xviii, 75, 79.
 steam, xvi, 42-43, 56.
 strychnine, xviii, 49.
 sulphate of potash, xviii, 77.
 and petroleum, xviii, 77.
 sulphur, xiii, 69; xix, 199.
 flour of, xiii, 146, 148.
 flowers of, xiii, 106.
 summer fallow, xvii, 53.
 superphosphates, xviii, 77.
 and petroleum, xviii, 77.
 threshing promptly, xiii, 28.
 tobacco dust, xxii, 107.
 -water, xvi, 39, 56; xvii, 43; xxi, 81; xxii, 129.

Remedies and preventives—*Continued.*

- topical applications, xiii, 66, 67, 69.
tramping by stock, xv, 61; xvi, 83.
trapping by bands, xxiii, 89.
turning pigs into woodlands, xviii, 129.
turpentine, xviii, 49.
emulsion, xvi, 41, 56.
volunteer growth of grain encouraged for timely destruction, xv, 30-31, 38, 100.
washing off with water, xiv, 108; xvii, XIII.
whale-oil soap, xiv, 107, 108; xvii, 43; xx, 12, 15, 24, 25; xxi, 16, 20-26; xxii, 27, 28, 36, 44, 45, 48, 50, 56, 57, 89, 90, 113, 116, 120, 129; xxiv, 42, 43, 108, 109, and Paris green, xxi, 128.
wheat culture abandoned, xiv, 54.
whipping and brushing infested plants, xxi, 54-55, 138.
yeast, xix, 22.
reniformis atra, *Helotropha*, xxiii, 78, 232.
Helotropha, xxiii, 10.
renigera, *Mamestra*, xvi, 95; xxiii, 17, 35.
repens, *Triticum*, xvii, 61.
retroflexus, *Amarantus*, xxi, 96.
Rhinoncus pyrrophos, food of, xvi, 77.
Rhizobiinæ, xviii, 101, 106.
Rhizobius, xiv, 71, 72; xviii, 101, 106.
lophantæ as enemy of San Jose Scale, xx, 22.
panici, xviii, 106.
pœæ, xviii, 106.
sonchi infesting Strawberry, xiii, 100.
spicatus, xviii, 53, 57, 104-106.
Rhodes, G. W., xx, 103, 104, 105.
Rhopalosiphum, xiv, 25.
dianthi found on Corn and other plants in greenhouse, xxiii, 210.
Rhubarb and dock curculios, xxiii, 114-115.
as breeding plant of *Lixus concavus*, xxiii, 115.
Flea-beetle, xxi, 124.
infested by Stalk-borer, xxiii, 46.
injured by Mealy Flata, xxi, 84.
by Rhubarb Flea-beetle, xxi, 124.
Rhus glabra as food plant of Dusky Leaf-bug, xxiii, 199.
Rhynchites bicolor, food of, xvi, 75.
hirtus, food of, xvi, 75, 76.
Rhynchophora, xvi, 75-77; xxi, 142-145; xxiii, 192-194.
Rib-grass infested by Common Negro-bug, xxi, 100.
Rice as food plant of *Leptoglossus phyllopus*, xxiii, 197.

Rice—*Continued.*

- bred on and injured by Grass-worm, xiv, 58, 60, 61, 63; xxiii, 82.
-weevil, Misc. Ess., 111.
Riley, C. V., xiii, 12, 15, 20, 21, 24, 25, 27, 31, 33, 62, 71, 72, 82, 83, 87, 88, 99, 105, 107, 108, 109, 114, 116, 122, 123, 129, 130, 149, 151, 156, 157, 159, 169, 171; xiv, 35, 56, 57, 58, 59, 60, 61, 77; Misc. Ess., 15, 54, 55; xv, 42, 59, 60, 61, 64, 67, 68, 69, 70, 72, 78, 79, 82; xvi, 60, 61, 62, 78, 79, 83, 85, 89, 93, 95; xvii, X, 5, 33, 41; xviii, 13, 16, 17, 18, 24, 114, 123, 124, 125, 126, 135, 144, 150; xix, 21, 22; xxi, 109, 140, 148, 149, 153; xxiii, 26, 86, 90, 95, 99, 101, 203.
and Monell, J. T., xiii, 99.
rileyi, *Batrachedra*, xxiii, 176, 227.
Schizoneura, xiv, 114.
Ring-and-nipple scales, xxii, 114, 115, 116. See under San Jose Scale and its allies.
Robertson, W. S., Misc. Ess., 21.
Robin, xxiv, 149.
as enemy of cutworms, xxi, 101.
Dark-sided Cutworm as food of, xxiii, 33.
Elateridæ as food of, xviii, 48.
June-beetles and their larvæ eaten by, xviii, 123, 124.
Tarnished Plant-bug eaten by, xiii, 131.
Robinia pseudacacia, xiv, 116.
robiniaæ, *Nematus*, xiv, 116.
Robinson, Coleman T., xiv, 17.
Robison, J. W., xvi, 7.
robustus, *Sphenophorus*, Misc. Ess., 109; xvi, 58, 59, 60, 64, 65, 66, 67, 68, 69, 71; xxii, 22; xxiii, 52.
Rocky Mountain Cherry infested by San Jose Scale, xxi, 5.
Locust, or Grasshopper, Misc. Ess., 120; xv, 42, 43; xxi, 130, 133, 134; xxiii, 65, 136, 229.
eggs of, xxi, 142.
young of Green-striped Grasshopper mistaken for, xv, 42.
Rofls, P. H., xx, 22; xxi, 30, 31, 32.
Root-aphis, Corn. See Corn Plant-louse and Corn Root-aphis.
Root blight of Corn, xviii, 5.
galls, xvii, XII.
-lice, xviii, 53, 55; xxi, 159-161.
as beet insects, xxi, 50, 52, 53, 56.
corn, xxiii, 227.
table for identification of genera and species of, xviii, 57.
-louse, Corn. See Corn Plant-louse and Corn Root-aphis.

Root-louse—*Continued.*

- Grass, xviii, 53, 57, 59, 68, 85-93.
See Grass Root-louse.
- Woolly Grass, xviii, 53, 104-106.
description of, xviii, 105-106.
- Root Mealy Bug, xxi, 159, 161.
- rot, xvii, XII; xxii, 99, 103.
appearance of, in winter, xxii, 104.
description of, xxii, 100, 111.
measures for extermination of, xxii, 112.
trees subject to attack by, xxii, 111.
- Web-worm, xiv, 6, 12-17; Misc. Ess., 87.
artificial remedies for, xiv, 16.
description of, xiv, 14-16; Misc. Ess., 12-13.
distribution of, in Illinois, xiv, 16; Misc. Ess., 11.
habits of, and injury to Corn by, xiv, 13; Misc. Ess., 10-11.
life history of, xiv, 16; Misc. Ess., 11, 12.
natural enemies of, xiv, 14, 16; Misc. Ess., 13.
or sod, web-worms, xvi, IX; xviii, 4, 6; xxiii, 36-44, 149-155, 230. See under Sod web-worms.
- Root-worm beetles, xxiii, 187-189, 227.
Colaspis, xxii, 145-149; xxiii, 104-106, 228. See also Colaspis brunnea.
- Corn, xiii, 9, 55; xiv, 5. See also under Corn Root-worm.
- Northern Corn. See Northern Corn Root-worm.
- Southern Corn. See Southern Corn Root-worm.
- Strawberry. See Colaspis brunnea.
- Root-worms, corn, xviii, 4, 5, 52, 53.
strawberry, xiii, 61, 62, 144, 150-177.
See under Strawberry.
- rosa, Crocota, xxiii, 71.
Eubaphe, xxiii, 71, 230.
- Rosaceæ, xv, 46.
as food plants of Leaf-crumpler, xv, 69.
- rosaceana, Cacœcia, xiii, 61, 94, 95; xiv, 74, 97, 109.
- rosæ, Aulacaspis, xxii, 120.
Selandria, xiii, 61, 76.
Siphonophora, xiii, 101; xviii, 56.
Typhlocyba, xxi, 78.
- Rose, xxi, 3.
as food plant of Apple Tischeria, xv, 47.
of Horned Spanworm, xiii, 79.
of Oblique-banded Leaf-roller, xiii, 94.
of Rose-chafer, xxiii, 184.
of Yellow-headed Cutworm, xxiii, 21.
of Zebra-caterpillar, xxiii, 171.

Rose—*Continued.*

- beetle, Fuller's, appearance of, in hot-houses, xvii, XIII.
- bushes flamed with gasoline blast-lamp, xxiv, 52.
- chafer, xxiii, 184, 227.
- Cymatophora crepuscularia collected from, xiv, 72.
infested by Beet Aphis, xxi, 159.
by Common Red Spider, xxi, 59.
by San Jose Scale, xx, 1, 11; xxi, 13.
by Typhlocyba rosæ, xxi, 78.
injured by Pyrrhia umbra, xiv, 89, 90.
by Red-banded Leaf-roller, xiv, 21; xxiii, 175.
leaves cut up by Leaf-cutting Ant, xxiii, 160.
eaten by Rhynchites bicolor, xvi, 75.
by Strawberry Crown-girdler, xxiii, 193.
or Raspberry, Scale, xxii, 113, 120-121.
eggs of, xxii, 121.
general description of, xxii, 120.
measures against, xxii, 121.
plants infested by, xxii, 120.
winter stage of, xxii, 113, 121.
- petals as food of adult Southern Corn Root-worm, xviii, 148.
- slug as strawberry insect, xiii, 61, 76.
- Wild, as breeding plant of Lesser Apple Leaf-roller, xv, 81.
- Roses eaten by Plum-curculio, xvii, 21.
roseticola, Tischeria, xv, 46, 47.
- Rosin-weed, as food of Rhynchites hirtus, xvi, 75.
flowers as food of Black Blister-beetle, xxi, 141.
- rostratum, Solanum, xxi, 161.
- Rotation of Corn and Oats for Corn Root-aphis, xviii, 80; xxiv, 20-24, 28.
of crops as preventive of insect injury to beets, xxi, 52, 53.
as protection against Black Peach Aphis, xxii, 110.
against crown-gall, xxii, 111.
against Peach-tree Borer, xxii, 124.
for bill-bugs, xxiii, 12.
for Chinch-bug, xv, 96, 102; xvi, 6.
for Corn Plant-louse, xiii, 50, 54.
for Corn Root-aphis, xvii, 69; xviii, 58, 75.
for Corn Root-worm, Misc. Ess., 19, 20; xv, 4, 5, 6; xxiii, 16.
for cutworms, stalk-borers, and web-worms, xxiii, 11.
for Northern Corn Root-worm, xviii, 162.

Rotation of crops—*Continued.*
 for Wheat Bulb-worm, xiii, 15.
 for Wheat Straw-worm, xiii, 32,
 33, 34, 37.
 for White-grubs, xviii, 128; xx,
 34; xxiii, 12; xxiv, 165.
 for wireworms, xviii, 50; xxiii, 12.
rotundifolia, Malva, xxi, 83.
 Rove-beetles, general description and
 food habits of, xxiii, 180.
 rubi, Metallus, xiv, 87.
Selandria, xiv, 91.
rubiginosa, Lachnosterna, xviii, 115.
Rubus canadensis as food plant of Apple
Tischeria, xv, 46.
occidentalis, xv, 46.
villosus, xv, 46.
Rudbeckia, pupæ of Southern Corn
 Root-worm among roots of, xviii, 148.
rufans, Bacillus, xviii, 150, 151.
ruficollis, Cartodere, xxiii, 182.
rugiceps, Ligyrus, xxiii, 99.
rugosa, Lachnosterna, xvii, 35, 36, 37,
 38, 42, 45, 46, 47, 50; xviii, 54, 111,
 112, 113, 116, 119, 121, 140, 143; xxi,
 164; xxiv, 137, 139, 140, 141, 143, 144,
 145, 149, 150, 151, 152.
rugulosus, Scolytus, xvii, 1; xxi, 40.
Rumex as food plant of *Colaspis brun-*
nea, xxii, 148.
 of Common Striped Cutworm,
 xxiii, 34.
crispus infested by Corn Root-aphis,
 xvii, 67; xviii, 61, 74.
ruricollellus, Crambus, xxiii, 153, 154.
 Rushes as food or breeding plants of
 bill-bugs, xxii, 2, 10, 11, 18.
 infested by Stalk-maggot, xxiii, 165.
 Russian Thistle, eggs of Western Green
 Stink-bug laid on, xxi, 99; xxiii, 117.
rusticus, Anisodactylus, xxiii, 177.
 Rusty-Brown Tortrix, xxiii, 176, 226.
 Rutabaga as food plant of Zebra-cater-
 pillar, xxi, 153.
 Rye as food plant of Army-worm, xxiii,
 49.
 of Cotton Cutworm, xxiii, 80.
 of Dusky Leaf-bug, xxiii, 199.
 bred on and injured by Chinch-bug,
 xv, 93; xviii, VIII, IX.
 Clover or Timothy sown with, as pro-
 tection against Chinch-bug injury,
 xv, 102.
 destroyed or injured by Grass-worm,
 xiv, 62; xxiii, 82.
 Hessian Fly destructive to, in Europe,
 xvi, 54.
 hibernation of Wheat Bulb-worm in,
 xv, 38.
 infested by *Agallia novella*, xxi, 69.
 by *Empoasca mali*, xxi, 78.

Rye infested—*Continued.*
 by *Euschistus variolarius*, xxiii, 196.
 by *Gnathodus abdominalis* and *G.*
impictus, xxi, 76.
 by *Isosoma hordei*, xiv, 36.
 injured by corn bill-bugs, xvi, 58, 59,
 63.
 by *Crambus vulgivagellus*, xxiii, 42.
 by Wheat Bulb-worm, xiii, 14, 20,
 23; xiv, 6.
 by Wheat-head Army-worm, xxiii,
 84.
 subject to injury by wireworms, xviii,
 30.
 Wild, English Grain-louse on, xxiii,
 207.
 Winter, sowed with Spring Wheat as
 protection against chinch-bug in-
 jury, xv, 99.

S

saccharalis, Diatræa, Misc. Ess., 87;
 xxiii, 7, 10, 91, 233.
saccharatum, Sorghum, xiii, 40; xxiii, 92.
saccharinum, Acer, xxiv, 100, 103.
 Saddle-back Caterpillar, Misc. Ess., 62;
 xxiii, 173-174, 230.
 Sage infested by Common Red Spider,
 xxi, 59.
 Sagittaria as food plant of Striped Blis-
 ter-beetle, xxi, 140.
 Salsify as food plant of Cotton Cut-
 worm, xxi, 148; xxiii, 80.
 of Red-banded Leaf-roller, xxiii,
 175.
 of Sulphur Leaf-roller, xxiii,
 174.
 Salt applied to hills of Corn for Corn
 Root-aphis, xviii, 76, 77.
 for wireworms, xviii, 49, 50.
 -marsh Caterpillar, xxi, 146, 156-158;
 xxiii, 72, 230.
 Moth, Misc. Ess., 59.
 solutions for White-grubs, xvii, 43.
 to prevent injury by *Colaspis brunnea*,
 xiii, 171.
 Saltweed as food plant of Beet Army-
 worm, xxi, 150.
 Sand-bur as food plant of Pale-striped
 Flea-beetle, xxiii, 108.
 Sanderson, E. D., xxiii, 90, 91; xxiv,
 44, 48, 49.
 San Jose Scale, xxii, 99, 103.
 agency of birds in distribution of,
 xx, 3.
 and its allies, xxii, 114-117.
 distinctive appearance of,
 xxii, 115, 116.
 relative importance of, xxii,
 114, 115.

San Jose Scale and its allies—*Continued.*

- similarity of appearance of, xxii, 114.
- artificial infection of, xx, 22.
- Bowker's Tree Soap for, xxiv, 74.
- "Calcothion" for, xxiv, 70, 72, 73, 75, 76, 77.
- California washes for, xxiv, 64-66, 67, 69, 70, 71, 76.
- caustic-soda solution for, xxiv, 74.
- climatic checks on, xx, 4, 19.
- condition, in 1896, and 1897, of Illinois localities infested by, xx, 8-12.
- "Con Sol" for, xxiv, 70, 72, 73, 76.
- cooperation in insecticide work for, xxi, 26.
- copy of circular on, xxi, 12.
- cost of materials contained in various insecticides for, xxiv, 74-76.
- description of, xx, 15-17.
- discovery of, in Illinois, xx, 6.
- of new Illinois localities, in 1897 and 1898, for, xxi, 3-5.
- disinfection of Quincy orchard infested by, xx, 12-15.
- distribution of, in Illinois, xx, 8; xxi, 44.
- entomological enemies of, xx, 19-22.
- experiments and observations on the use of crude petroleum and pure kerosene for, xxii, 91-95.
- with summer washes for, xxii, 96.
- extension of range of, and diminution of numbers, xx, 3.
- extermination of, xxi, 25.
- food plants of, xx, 1; xxi, 13.
- "Frutolin" for, xxiv, 73.
- fumigation for, xxi, 25-26; xxii, 28-44. See also under Orchard fumigation.
- fungous diseases of, xx, 22; xxi, 2, 24, 30-40.
- fungus parasite of, xxii, 69.
- gasoline blast-lamp used against, xxiv, 44, 46-48.
- in California, xx, 18.
- in Illinois, xx, 1-25.
- recent work on the, xxi, 1-47.
- increase of area infested by the, xxi, 5.
- injuries by, xx, 2-3.
- insecticide treatment for, xxi, 2, 11-30.
- apparatus used in, xxi, 14-16, 29-30, 44, 45, 46.

San Jose Scale, etc.—*Continued.*

- details of, with statement of results, xxi, 16-26.
- general procedure in, xxi, 29.
- insecticides for, general summary concerning four, xxii, 56.
- inspection of Illinois orchards infested by, xx, 7.
- kerosene and lime mixtures for, xxiv, 73.
- mixtures and emulsions for, xxvi, 59.
- legislation against, xxi, 11-12.
- life history of, xx, 17.
- lime and sulphur washes for, xxii, 67-90; xxiv, 62, 63-73, 76, 77.
- sulphur, and soda mixture for, xxiv, 68-69, 70, 71, 72, 76.
- liquid insecticides for, xxii, 27, 56.
- loosening of, by insecticides, xxii, 69.
- by rain and water sprays, xxii, 88.
- methods and results of field insecticide work against, xxii, 27-66.
- miscellaneous field memoranda on, xxi, 42-43.
- mode of distribution and variation in attack of, xxi, 6.
- natural checks on multiplication of, xx, 18-23.
- Oregon washes for, xxiv, 66, 67, 69, 70, 71, 72, 73, 76.
- origin and dispersal of, xx, 4-6.
- parasites of, xx, 4, 19; xxi, 24, 30-40.
- power of locomotion of, xxi, 42.
- precautionary and remedial measures against, xx, 23-25.
- reproduction of, xx, 113; xxi, 42.
- "Scalecide" for, xxiv, 70, 73, 76.
- spontaneous death of, xxii, 69.
- "Tak-a-nap" soap solution for, xxiv, 70, 73-74.
- trees equally liable to infestation by, xxii, 116.
- volunteer nursery inspection on account of, xxi, 7-11.
- winter stage of, xxii, 113.
- washes for, xxii, 89.
- whale-oil soap solution for, and cost per hundred gallons, xxiv, 70, 73-74, 76.
- sanguinea, *Cycloneda*, xiv, 33.
- sanguinolenta, *Agallia*, xxi, 65, 69.

- Sannina exitiosa, xvii, 26. See next entry, and also Peach-tree Borer.
- Sanninoidea exitiosa, xxii, 121-124. See also previous entry and Peach-tree Borer.
- Sap of trees as food of Common Green June-beetle, xxiii, 102.
- of Euphoria inda, xxiii, 101.
- of Nitidulidae, xxiii, 181.
- Saperda tridentata, xiv, 112.
- saperdioides, Xylopinus, xix, 26 (Errata).
- Saprogonia, xix, 22.
- Sassafras as breeding plant of Mealy Flata, xxi, 84.
- sauca, Agrotis, Misc. Ess., 72; xvi, 90, 93; xxiii, 23.
- Peridroma margaritosa, xxiii, 17, 23.
- Saunders, William, xiii, 63, 70, 72, 74, 82, 84, 97, 107, 111, 156; xiv, 77; Misc. Ess., 6, 21; xv, 2, 61, 68, 70; xvii, 33.
- Saw-flies, willow, xiv, 100-102.
- false charge against, xiv, 100, 101.
- Saw-fly larvæ, infection experiments with, xvii, 82, 83, 84; xix, 34.
- infesting Black Locust, xiv, 116.
- Say, Thomas, xiii, 114, 116, 140; xiv, 44, 67; xvi, 50, 60; xxi, 76.
- sayi, Pterostichus, xiv, 16.
- Sphenophorus, xvi, 65.
- scabra, Hypena, xiv, 74.
- scabrinodis lobicornis, Myrmica, xviii, 8, 11, 53; xxiii, 158, 228.
- Myrmica, xviii, 66.
- Scale, Howard's, xx, 16, 17.
- insect infesting Strawberry, xiii, 60.
- insects, or bark-lice, xxii, 112-121.
- eggs of, xxii, 100, 103, 104, 112, 113.
- See also under Eggs.
- gasoline blast-lamp used against, xxiv, 44, 45, 51.
- general description of, xxii, 100, 112.
- hibernation of, xxii, 104, 113.
- identification of, in winter, xxii, 104.
- importation of natural enemies of, xx, 22.
- insecticide treatment for, xxii, 113.
- methods of reproduction of, xxii, 112-113.
- nursery, wintering in the egg, xxii, 118-121.
- wintering partly or fully grown, xxii, 114-118.
- (See also under various names of scale insects.)
- Minor Fruit, xx, 16, 17.
- Obscure, xx, 16.
- Oyster-shell. See Oyster-shell Bark-lice.
- Pernicious. See San Jose Scale.
- Scale—*Continued*.
- Pine-leaf, xx, 21.
- Putnam's, or Putnam, xx, 16, 17; xxii, 113, 114, 115, 116. See under Putnam Scale.
- Rose, or Raspberry, See under Rose.
- San Jose. See San Jose Scale.
- Scurfy, xx, 16. See Scurfy Scale.
- White Pine, injury by, xvii, XIII; xx, Appendix.
- Scales, ring-and-nipple, xxii, 114, 115, 116. See under San Jose Scale and its allies.
- Scarabæidæ, xxiii, 180, 183, 184.
- as corn insects, xxiii, 183, 184.
- as strawberry insects, xiii, 60.
- Scavenger-beetles, xxiii, 180-184.
- Scelodonta, xiii, 164, Addenda, I.
- genus defined, xiii, 164.
- nebulosus, xiii, 62, 86, 144, 150, 158, 161, 162, 163-166 (Addenda I, II).
- and S. pubescens, distinguishing characters of, xiv, 82.
- calendar of, xiii, 179.
- description of, xiii, Addenda, II.
- life history of, xiii, 164-166 (Addenda, II); xiv, 81.
- compared with that of other strawberry root-worms, xiii, 166-169, 175 (Addenda II).
- literature of, xiii, 163, Addenda, II.
- (For injuries to vegetation by, natural enemies of, topical applications for, etc., see under Strawberry root-worms.)
- pubescens, hibernation of, and characters distinguishing from S. nebulosus, xiv, 82.
- Ænothera biennis preferred food plant of, xiii, Addenda, II; xiv, 81.
- schaufussi, Formica, xviii, 53, 66, 90; xxi, 161; xxiii, 161.
- Schistocerca, xxi, 130.
- alutacea, xxi, 130, 132; xxiii, 140-142.
- americana, xxiii, 67, 140-142.
- Schizoneura corni, xiii, 40; xvii, 65; xviii, 86.
- alternate food plants of, xviii, 57, 89.
- lanigera, xxii, 106-107. See Woolly Aphis.
- panicola, xiii, 42, 49, 52; xiv, 29; xviii, 53, 68, 85-93.
- contrasted with S. venusta, xviii, 93.
- description of, xiii, 51, 53; xviii, 90-93.
- food preference of, xviii, 88.
- hibernating on roots of Blue-grass and Timothy, xiv, 28.

Schizoneura panicola—Continued.

- life history of, xviii, 88-89.
 plants infested by, xiii, 42, 51; xviii, 57, 86-88.
 relation to *S. corni*, xviii, 86.
 relations to ants, xviii, 88, 89-90.
 tabular exhibit of collection data of, xviii, 86-87.
 winged form of, xviii, 57.
rileyi, xiv, 114.
venusta, xiii, 52; xviii, 93.
 plants infested by, xviii, 93.
Schizoneura, xiii, 52.
 Schlaffsucht, xiii, 95; xiv, 66; xix, 19.
 Schmidberger, Josef, xvii, 6, 10.
 Schneck, J., xx, 10.
 Schönherr, C. J., xvi, 59.
 Schwarz, E. A., xvi, 59; xvii, 5.
Sciara sp., xiii, 57; Misc. Ess., 91; xviii, 19-21. See Black-headed Grass-maggot.
 injurious to seed-corn in the earth, xviii, 8, 19.
Scirpus as food plant of Southern Corn Root-worm, xxi, 126.
fluviatilis as food plant of Larger, or Southern, Corn Root-worm, xvii, 72; xviii, 148.
 of *Sphenophorus ochreus*, xvi, 58, 68; xxii, 10, 12, 13, 15.
 eggs of *Dicrocephala mollipes* in, xxi, 72.
lacustris, *Sphenophorus costipennis* bred from, xvi, 68.
 sp., xvi, 66 (Errata).
 Scoliidae, xxiv, 158.
Scolytus rugulosus, xvii, 1-20; xxi, 40.
 See Fruit Bark-beetle.
scoparius, *Sphenophorus*, xvi, 58, 62, 64, 68, 70; xxiii, 52.
 Screech-owl, June-beetles eaten by, xviii, 123.
 Scripta, *Melasoma*, xxiii, 186.
 Scudder, S. H., xxiii, 167.
scudderi, *Melanoplus*, xxiii, 142, 229.
Scudderia furcata, xxiii, 143-144.
pistillata, xxiii, 143-144.
texensis, xxiii, 143-144.
 Scudder's Short-winged Grasshopper, xxiii, 142-143.
sculptilis, *Sphenophorus*, Misc. Ess., 109; xvi, 58, 61, 64, 68, 71, 72; xxiii, 52.
 Sculptured Corn Curculio, Misc. Ess., 109.
 Scurfy Scale, xx, 16.
 distribution of, in Illinois, xxii, 118.
 economic importance of, xxii, 118.
 effect of whale-oil soap on, in winter, xxi, 20.
 eggs of, xxii, 118.

Scurfy Scale—Continued.

- gasoline blast-lamp used against, xxiv, 51.
 general description of, xxii, 118.
 measures against, xxii, 119.
 spread of, xxii, 119.
 winter stage of, xxii, 113.
scutellaris, *Orthoperus*, xxiii, 180.
 Sea-blight as food plant of *Monoxia puncticollis*, xxi, 127.
 Sedge infested by *Sphenophorus ochreus*, xxii, 12.
 Sedges as breeding plants of corn bill-bugs, xxii, 2.
 as food plants of Chinch-bug, xxiii, 59.
 of larvæ of corn bill-bugs, xxiii, 52.
 of Southern Corn Root-worm, xviii, 148; xxi, 126.
 eaten and bred on by *Draculacephala mollipes*, xxiii, 205.
 Seed-corn as food of thousand-legged worms, xxiii, 222.
 beetle, xxiii, 178.
 eaten by *Ips 4-guttatus*, xxiii, 11-12.
 injured by *Agonoderus pallipes*, xxiii, 178.
 Maggot, Misc. Ess., 91; xviii, 3, 7, 8, 16-19; xxiii, 2, 5, 9, 70, 228.
 description of, xviii, 17.
 of imago of, xviii, 18.
 of puparium of, xviii, 18.
 food plants of, xxiii, 70.
 life history of, xviii, 17.
 maggots, xviii, 4, 16.
 Seed-weevil on Sugar-beet, xxi, 143, 145.
Selandria cerasi, xiv, 7, 117.
rosæ, xiii, 61, 76.
rubi, xiv, 91.
semifumeralis, *Euzophæra*, xvi, IX; xvii, 26.
Nephopteryx, xvii, 29.
seminuda, *Eutettix*, xxi, 75.
Seniotellus destructor as parasite of Hessian Fly, xiv, 44-46.
 calendar of, xiv, 49.
 description of, xiv, 45.
 life history of, xiv, 46.
semitectus, *Colastus*, xxiii, 181.
 Sensitive-pea, Wild, eggs of Imbricated Snout-beetle on, xxi, 144.
sepulchralis, *Euphoria*, xxiii, 99, 100, 101.
Serica vespertina artificially infected with *Botrytis tenella*, xviii, 133; xix, 70.
serotina, *Cerasus*, xv, 53.
Prunus, xv, 52.
Solidago, xxi, 161.
serrulata, *Alnus*, xxiii, 170.

- Service-berry, Wild, infested by Beet Aphis, xxi, 159.
- servus*, *Euschistus*, xxiii, 195.
- Setaria*, xv 6; xvii, 62; xxiv, 26.
as food plant of Chinch-bug, xv, 94.
of Corn Root-aphis, xviii, 60, 61, 62.
of *Epicærus imbricatus*, xvi, 76.
of *Sphenophorus*, xvi, 70.
destroyed by White-grubs, xviii, 112.
- germanica* infested by Corn Root-aphis, xviii, 61.
- glauca* infested by *Schizoneura venusta*, xviii, 93.
- infested by *Schizoneura panicola*, xiii, 42, 51, 52; xviii, 86, 87, 88, 89.
- italica* infested by *Schizoneura venusta*, xviii, 93.
- verticillata* infested by *Schizoneura venusta*, xiii, 52.
- viridis* infested by *Schizoneura venusta*, xiii, 52; xviii, 93.
- Yellow Sorghum Plant-louse on, xxiii, 210.
- setariæ*, *Tychea*, xviii, 101.
- sexnotata*, *Cicadula*, xxi, 67, 77; xxiii, 121, 123.
- Paria*, xiii, 159, 161.
- Shelby, W. T., xvi, 50.
- Shelton, E. M., xvi, 45.
- Shepard, Jas., H., xxi, 57.
- Shepherd's-purse infested by *Geocica squamosa*, xviii, 99, 100.
- Shepley, H., Misc. Ess., 27.
- Shimer, Henry, xvii, 75; xix, 20.
- Shinn, James R., xxiv, 80.
- Short-winged Green Grasshopper, xxiii, 212.
- Shrubbery injured by red spiders, xxiii, 223.
by Strawberry Crown-girdler, xxiii, 193.
- Shrubs and trees as breeding places of Flatas, xxiii, 203.
buds and leaves of, as food of W-marked Cutworm, xxiii, 31.
injured by Dingy Cutworm, xxiii, 27.
by tree-crickets, xxiii, 216.
leaves of, as food of Saddle-back Caterpillar, xxiii, 173.
- Sibine stimulea*, xxiii, 173.
- signata*, *Hyperaspis*, xiv, 33, 104, 105; Misc. Ess., 25; xv, 6.
- Silk-fly, xxiii, 188.
- Silkworm, disease of, xiv, 7; xix, 18, 19, 20; xx, 107.
- Silphidæ infected with *Sporotrichum*, xix, 74.
- Silphium, *Diabrotica atripennis* on, xxiii, 189.
- Silphium—*Continued*.
integrifolium as food plant of *Rhynchites hirtus*, xvi, 75.
- Silvanus advena*, Misc. Ess., 94.
cassiæ, Misc. Ess., 93.
surinamensis, Misc. Ess., 93.
- silvaticum*, *Orchelimum*, xxiii, 144.
similalis, *Loxostege*, xxiii, 89, 227.
- Simonds, O. C., xxiv, 102, 108.
- simoni*, *Prunus*, xvii, 26, 27.
- simplex*, *Anabrus*, Misc. Ess., 118; xxiii, 148.
- Sipha maydis*, xiii, 40.
sp., xiii, 40.
- Siphocoryne avenæ*, xxiii, 206.
- Siphonophora avenæ*, xvii, X; xviii, 56.
infection experiment with, xix, 51.
fragariæ, xiii, 103.
and var. *immaculata* infesting Strawberry, xiii, 62, 98, 99, 100.
granariæ, xiii, 40.
minor, xiv, 79.
description of, xiii, 101–102.
infesting Strawberry, xiii, 62, 98, 101.
parasites of, xiii, 103.
rosæ, xiii, 101.
rate of multiplication of, xviii, 56.
sp., description of, xiii, 50, 53.
infesting Sorghum, xiii, 42, 50.
- Sirrine, F. A., xxi, 60, 61, 62, 101; xxiii, 33.
- Sisymbrium canescens* infested by *Agallia uhleri*, xxi, 70.
- Sitodrepa panicea*, Misc. Ess., 97.
- Sitotroga cerealella*, Misc. Ess., 89.
- Skunks as enemies of White-grubs, xviii, 124.
- Slingerland, M. V., xviii, 56; xxi, 57; xxii, 108, 122, 124, 132, 133; xxiii, 49, 51; xxiv, 47, 141, 151, 152. See also Comstock, J. H., and Slingerland, M. V.
- Small Green Grasshopper, xxiii, 142, 229.
- Smaller Corn Stalk-borer, Misc. Ess., 86; xxiii, 10, 94–95, 232.
meadow-grasshoppers, xxi, 136; xxiii, 147–148.
plant-bugs, xxi, 93–96.
- Smartweed, xvii, 65; xviii, 156.
as food plant of *Apantesis arge*, xxiii, 75.
of Common Striped Cutworm, xxiii, 34.
of Corn Root-aphis, xvii, 66; xviii, 60, 61, 62, 75; xxiv, 14, 16.
of Flea, or Common, Negro-bug, xvi, 51; xxi, 100.

Smartweed as food plant—*Continued*.
 of Pigweed Bug, xxi, 85.
 of Red-headed Flea-beetle, xxi, 120.
 of Smartweed Caterpillar, xxiii, 170.
 of Smartweed Flea-beetle, xxi, 119; xxiii, 191.
 of Smeared Dagger, xiii, 82.
 of Yellow Bear, xxiii, 74.
 of Zebra Caterpillar, xxi, 153.
 Caterpillar, xxiii, 170, 230.
 Corn root-lice on roots of, xxiv, 21.
 devoured by *Tanymecus confertus*, xxi, 145.
 eggs of Corn Plant-lice placed on, by ants, xv, 6; xviii, 68; xxiv, 24, 25.
 Flea-beetle, xxi, 119; xxiii, 190-191.
 infested by Grass Root-lice, xviii, 87, 88, 89.
 by Large-eyed Purslane Bug, xxi, 95.
 by Soft Maple Bark-lice, xiv, 104.
 pollen as food of adult Northern Corn Root-worm, xviii, 158.
 root-lice on roots of, xxiv, 21.
 Smeared Dagger, xiii, 61, 82-84; Misc. Ess., 63.
 calendar of, xiii, 179.
 description of, xiii, 82-83.
 food plants of, xiii, 82.
 life history of and injuries by, xiii, 83.
 literature of, xiii, 82.
 parasites of, xiii, 82.
 Smilax, Boston, injured by Common Red Spider, xxi, 58.
 Smilia misella as enemy of San Jose Scale, xx, 19, 21.
 Smith, C. D., xxi, 57.
 Smith, Emily A., xiii, 72; xiv, 77.
 Smith, J. B., xv, 80, 85; xvi, 90; xvii, 34, 48; xviii, 42, 141; xix, 22; xx, 3, 18, 19, 20, 21, 22; xxi, 30, 64, 82; xxii, 67; xxiii, 19, 33, 50, 84, 86, 173; xxiv, 141.
 Smith, J. E., and Abbot, J., xiii, 82.
 Smoke-tree, Cottony Maple Scale on, xxiv, 103.
 Snout-beetle as strawberry insect, xiii, 61.
 Imbricated, Misc. Ess., 108; xxi, 143-144; xxiii, 113-114, 231. See also *Epicærus imbricatus*.
 Snout-beetles, xvi, 58, 62; xxi, 142-145; xxiii, 192-194, 226.
 American, species of, which feed on beet leaf characterized, xxi, 143.
 distinguishing characters of, and their injury, xxi, 142.

Snout-beetles—*Continued*.
 injurious to Corn, xxiii, 229.
 observations of the food of the, xvi, 75-77.
 (See also Bill-bugs.)
 Snout-moth, Meal, Misc. Ess., 86.
 Snow, F. H., Misc. Ess., 6; xv, 2, 72; xvi, 59; xvii, 76, 79; xix, 23, 24, 41, 57, 58, 59, 81, 85, 102, 110, 136.
 Snow, W. A., xx, v, 48, 73.
 Snowball blossoms eaten by Plum-cuculio, xvii, 22.
 Snowberry as food plant of Zebra caterpillar, xxi, 153.
 Cottony Maple Scale on, xxiv, 103.
 Snowy Cricket, xxiii, 216.
 Sod Web-worm, Common, xxiii, 41, 230.
 Striped, xxiii, 41, 230.
 web-worms, or root web-worms, xvi, IX; xxiii, 36-44, 230.
 distinctions between species of, xxiii, 149-155.
 general description of, xxiii, 36.
 injuries by, xxiii, 36-42.
 life histories of, xxiii, 42-43.
 methods of injury by, xxiii, 37-38, 226.
 prevention and remedy for, xxiii, 43.
 Soft Maple, on some insect enemies of the, xiv, 103-109.
 (See also Maple, Soft.)
 Solanaceæ, xxi, 118.
 solani, *Dactylopius*, xxi, 161.
 Solanum canadense as food plant of adult Southern Corn Root-worm, xviii, 148.
 infested by San Jose Scale, xxi, 42.
 nigrum as breeding plant of Potato Flea-beetle, xxiii, 190.
 infested by *Epitrix brevis*, xxi, 118.
 rostratum infested by *Dactylopius solani*, xxi, 161.
 Wild, as food plant of Army-worm, xxiii, 49.
 Soldier-bug, Glassy-winged, as enemy of leaf-hoppers, xxi, 63.
 Solenopsis debilis, xviii, 53; xxiii, 228.
 attendant on Corn Root-lice, xviii, 10, 66.
 on *Geoica squamosa*, xviii, 99, 100.
 description of, xviii, 9, 10-11.
 injurious to seed of Corn in the earth, xviii, 8, 9, 10.
 with Corn Root-lice on Purslane, xviii, 10.
 fugax, xiii, 45, 61, 112-113; Misc. Ess., 58; xviii, 9.
 molesta, Misc. Ess., 58.
 Solidago serotina infested by *Aphis middletonii*, xxi, 161.

- Solitary Caterpillar, injury by and protection against, xv, 2.
wasps, xx, 103. See Odynerus.
- sonchi, Rhizobius, xiii, 100.
- Soot to prevent injury by *Colaspis brunnea*, xiii, 171.
- sorghiiella, *Celama*, xxiii, 169, 227.
Nola, xxiii, 169.
- sorghiiellus, *Coccus*, xiv, 71; xviii, 106, 107.
- Dactylopius, xviii, 53, 106-108.
- Sorghum and Broom-corn, notes on insects affecting, xiii, 39-56.
literature on insects affecting, xiii, 40.
and the Northern Corn Root-worm, xviii, 156.
as food plant of Army-worm, xxiii, 49.
of Chinch-bug, xv, 94.
of Corn Leaf-louse, xiv, 24; xvii, 68; xviii, 60, 69; xxiii, 124, 206.
of *Diabrotica tenella*, xxiii, 188.
- Bark-louse, or Sorghum Mealy Bug, description of, xiv, 71; xviii, 106, 107-108.
- Cicadula quadrilineatus* collected from, xiv, 69.
- damage to, by *Thyanta perditor*, xxiii, 117.
- destroyed by Texan Agricultural Ant, xxiii, 159.
- eaten by *Leptoglossus phyllopus*, xxiii, 197.
- infested by *Cicadula 6-notata*, xxi, 77.
by Corn Flea-beetle, xxi, 118; xxiii, 110.
by Grass Root-louse, xviii, 87, 88.
by Larger Corn-Stalk-borer, xxiii, 92.
by Plant-lice, xiii, 40.
by Sorghum Mealy Bug, xviii, 107.
- injured by *Empoasca mali*, xxi, 78.
- injuries to, by Sorghum Web-worm, xxiii, 169.
by Wheat-head Army-worm, xxiii, 83.
by Yellow Sorghum Plant-louse, xxiii, 210.
- insects, brief notes on, xiv, 70-71.
- leaves, eggs of *Dræculacephala molliipes* on, xxiii, 205.
- Mealy Bug, or Bark-louse, xiv, 71; xviii, 106-108. See also Corn Mealy Bug.
description of, xviii, 107-108.
- Plant-louse, Yellow, xiii, 53; xxiii, 210-211. See *Chaitophorus flavus*.
- pollen eaten by adult Northern Corn Root-worm, xviii, 158.
- saccharatum, xiii, 40; xxiii, 92.
- Sorghum—*Continued*.
subject to injury by Grass-worm, xxiii, 82.
Web-worm, xxiii, 227.
food habits and description of, xxiii, 169.
- soror, *Diabrotica*, xxiii, 188.
- Sorrel as food plant of Yellow Bear, xxiii, 74.
infested by Corn Root-aphis, xvii, 67; xviii, 61.
- South Dakota Agricultural Experiment Station, xxi, 57.
- Southern Corn-Leaf-beetle, xxiii, 103-104, 231.
- Corn Root-worm, xviii, 55, 146-154, 157; xxiii, 8, 188, 228, 229.
character of injury to Corn by, xviii, 146-148, 149.
description of different stages of, xviii, 148, 152-154; xxi, 115.
dietary and life history of, xxi, 125, 126.
discussion of, cited, xxiii, 69.
food of adult of, xviii, 148, 152.
injury to Sweet Corn by, xviii, 148, 152.
life history of, xviii, 149-150.
natural enemies of, xviii, 150-152.
remedial measures for, xviii, 152.
(See also Corn Root-worm, Larger.)
- Corn-Stalk-worm, xxiii, 10.
Grain-louse, xxiii, 134, 206.
- Sow-bugs, xxi, 137.
- Sow-thistle, Clover Plant-louse on, xxiii, 208.
- Soy-beans attacked by Common Garden Web-worm, xxi, 108, 109.
- Spanish flies, xxiii, 111.
-needles as food plant of Common, or Little, Negro-bug, xvi, 51; xxi, 100; xxiii, 116.
eggs of meadow-grasshoppers in stems of, xxiii, 146.
- Spanworm, Brown Strawberry-, xiii, 61, 76-78, 179.
Green Strawberry-, xiii, 61, 80-81, 179.
Horned Strawberry-, xiii, 61, 79-80, 179.
- Spanworms, xxiii, 173.
- Sparnoplus fulvus* as parasite of White-grubs, xxiv, 161-162.
- Sparrow, Chipping, as enemy of Strawberry False Worm, xiii, 75.
English, June-beetles and their larvæ eaten by, xviii, 123.
- Field, as enemy of corn bill-bugs, xvi, 71.
-hawk, June-beetles eaten by, xviii, 123, 124.

speciosus, *Hesperotettix*, xxiii, 142
 Speckled Cutworm as a Cabbage worm, xiv, 93. See under Cutworm. Speckled, and Cutworm. Spotted.
Spermacoe glabra as food plant of *Theretra tersa*, xxiii, 167.
 Sphæreacei, xvi, 77.
Sphærostilbe coccophila, xx, 22.
 as parasite of San Jose Scale, xxi, 30, 40.
 cultures of, xxi, 31, 35.
 effect of, on San Jose Scale in Florida orchards, xxi, 32, 33.
 field notes concerning spread of, xxi, 37-40.
 method of distributing, to Illinois orchards, xxi, 33-34.
 result of field work with, xxi, 36-40.
flammea, xx, 22.
 var. *minor*, xx, 22.
Spharagemon aequale, xxi, 132.
Sphenophori, xvi, 75.
Sphenophorus, xvi, 59; xxiii, 11, 17, 113, 229.
æqualis, xvi, 60.
antiqua, xvi, 61.
callosus, xvi, 60.
cariosus, Misc. Ess., 109; xvi, 58, 64, 67, 68; xxii, 19-21; xxiii, 52.
 breeding plants of, xxii, 19.
 dates for imago of, xxii, 19.
 description of larva of, xxii, 21.
 eggs of, xxii, 19, 68.
flexuosus, xvi, 60.
 injury to Corn by, xvi, 60, 71.
 life history of, xxii, 19.
 synonymy of, xvi, 60.
cicatricosus, xvi, 60.
costipennis, xvi, 64, 67, 68.
 distinguishing characters of genus of, xvi, 63.
interstitialis, xvi, 60.
 key to Illinois species of, xvi, 63-65.
larvialis, xvi, 60.
melanocephalus, xvi, 64.
minimus, xvi, 65.
 description of adult, xvi, 65.
ochreus, xvi, 63, 67, 68, 70, 71; xxii, 9-17; xxiii, 52, 229.
 description of larva of, xvi, 66; xxii, 17.
 eggs of, xxii, 10, 11, 12, 15, 16, 17 (description).
 experiment with beetles of, on Corn, xxii, 11.
 extraordinary injuries to Corn by, xxii, 9, 12, 13, 14-16.
 life history of, xxii, 12-13.
 method of feeding of, xxii, 11.

Sphenophorus ochreus—Continued.
 preventive measure against injury by, xvi, 58, 71; xxii, 1, 3.
 swamp grasses as food plants of, xvi, XII, 58; xxii, 2.
parvulus, Misc. Ess., 22, 23, 111; xv, 5; xvi, 58, 59, 63, 65, 67, 69, 71; xxii, 3-8; xxiii, 52, 55, 229.
 description of larva of, Misc. Ess., 22; xvi, 67.
 destructive in blue-grass lawns, xxiv, 7.
 eggs of, xxii, 5.
 food plants of, xxii, 6.
 infested by mites, xxii, 4.
 infesting roots of Timothy, xxiv, 2, 7.
 injury to Corn by, xxii, 3, 4, 5, 6, 7; xxiv, 2, 3-7.
 life history of, xxii, 3-7.
pertinax, Misc. Ess., 108; xvi, 58, 64, 67, 68; xxii, 13, 14, 15, 17-18; xxiii, 52.
 at base of hill of Corn, Misc. Ess., 23.
 eggs of, xxii, 18.
 injury to Corn by, xvi, 60; xxii, 18.
 life history of, xxii, 18.
placidus, xvi, 58, 65, 67, 68; xxiii, 52.
 injuring Corn, xvi, 62, 71; xxii, 8.
 life history of, xxii, 8.
robustus, Misc. Ess., 109; xvi, 58, 59, 64, 65, 66, 67, 68, 69, 71; xxii, 22; xxiii, 52.
 economic importance of, xxii, 22.
 injury to Corn by, xvi, 60.
 measure against, xvi, 71.
sayi, xvi, 65.
scoparius, xvi, 58, 62, 64, 68, 70; xxiii, 52.
 on Corn and Grass, xxii, 21.
sculptilis, Misc. Ess., 109; xvi, 58, 64, 67, 68, 71, 72; xxiii, 52.
 injurious to Corn, xvi, 61; xxii, 21-22.
 injury to meadows by, xxii, 22.
 life history of, xxii, 22.
 synonymy of, xvi, 61-62.
venatus, xvi, 61; xxiii, 52.
seæ, xvi, 61, 62; xxii, 21.
spp., xvi, 58-74.
 analysis of literature relating to, xvi, 59-63.
 crops subject to attack by, xvi, 58, 59.
 distribution of, xvi, 67.
 economic bibliography of, xvi, 72-74.
 immature stages of, xvi, 65-67.
 injuries to vegetation by, xvi, 69-71.

Sphenophorus spp.—*Continued*.
 injury to Corn by, xvi, 58, 59; xxiv, 1-7.
 life histories of, xvi, 67-68.
 measures against, xvi, 71.
 natural enemies of, xvi, 71.
 whose injuries to crops have been noted, xvi, 58.

Sphinx larva, infection experiment with, xix, 109.
 pupæ, infection experiment with, xix, 83.

Sphragisticus, xxi, 93.
nebulosus, xxi, 94; xxiii, 233.
 description of, xxi, 93, 198.

spicatus, *Rhizobius*, xviii, 53, 57, 104.

Spider, Common Red, xxi, 58-59.
 dead with *Sporotrichum globuliferum*, xix, 74.

Spiders, red, xxiii, 223-224, 233.
 characterization of injury to beet by, xxi, 56, 58.

Spilosoma virginica, Misc. Ess., 60; xxi, 146, 156.
 destroying Onion, xiv, 116.
 infection experiment with, xix, 80.
 (See also under Woolly-bears.)

Spinach as food plant of Common Striped Cutworm, xxiii, 34.
 of Dark-sided Cutworm, xxiii, 33.
 of Grass-worm, xxiii, 82.
 of Greasy Cutworm, xxiii, 21.
 of Hedgehog Caterpillar, xxiii, 74.
 of Yellow-headed Cutworm, xxiii, 21.
 of Zebra-caterpillar, xxi, 153.

infested by *Agallia 4-punctata*, xxi, 68.
 by Melon Aphis, xxi, 81.
 by Stalk-borer, xxiii, 46.

injury to, by *Pegomyia vicina*, xxi, 60, 62.
 by Yellow-Black Flea-beetle, xxi, 116.

Spindle-worm, Misc. Ess., 78; xxiii, 10, 77, 85-86, 232.

Spiny Pigweed as food plant of Three-spotted Flea-beetle, xxi, 115.

Spiræa, xxi, 3.
 as food plant of San Jose Scale, xx, 1.
 of Strawberry Flower-worm, xiii, 111.
 Cottony Maple Scale on, xxiv, 103.
 infested by *Nectarophora pisi*, xxi, 83.

Sporotrichum, xix, 21, 23, 24, 68, 73, 75, 76, 77, 78, 80, 81, 82; xx, 51, 52, 53, 54, 55, 56, 58, 59, 60, 61, 62, 64, 67, 68, 69, 70, 71, 72, 73, 91, 92, 100.
 description of, xvii, 80.

Sporotrichum—*Continued*.
 for Chinch-bug, outcome of experiments with, xxi, 30.
globuliferum, xvii, 84; xix, 23, 25, 26, 29, 73; xx, 37, 55, 59, 63, 64, 75-78, 82, 89, 90, 101.
 apparatus for sterile cultures of, xix, 30.
 Botrytis form of, xix, 61, 95.
 contagion and infection experiments with, xvii, 82-84; xviii, 133; xix, 33-36, 39-40, 83, 98, 99, 100, 101, 102.
 cultures of, xvii, 81-82; xix, 23, 25, 28, 36, 37, 38, 39, 60, 61, 62, 65, 66, 90, 98, 100, 101, 102.
 open-air, xix, 39.
 sterilized, xix, 30-32, 38.
 unsterilized, xix, 32.
 description of, xvii, 80.
 experimental methods with, xix, 96-97.
 experiments with, classified lists of, xix, 38-40, 62-65, 98-100.
 description of, xix, 40-59, 68-83, 84-92, 102-141.
 outline of, xix, 36-38, 65-67, 100-102.
 field distribution of, in Illinois, xix, 89-90.
 in Kansas, xix, 24.
 first detection of, on Chinch-bug, xvii, 78.
 infesting *Disonycha pennsylvanica*, xix, 29.
 white ants, xix, 198.

Isaria forms of, xix, 60, 95.
 method of propagating and distributing, xix, 28.
 mites feeding on, xix, 94.
 number and nature of experiments with, xix, 27.
 on dead June-beetles, xviii, 127, 133.
 on dead Northern Corn Root-worm beetle, xviii, 161.
 spontaneous occurrence of, on various insects, xvii, 81; xix, 23, 25-27, 29.
 outbreak of, among chinch-bugs, xvii, 75, 78; xix, 100.
 summary and discussion of economic results of experiments with, xix, 27-29, 92-96.
 temperature experiments with, xix, 109.

Sporozoa, xx, 58.

Spotted Blister-beetle, xxi, 139.
 Cutworm, Misc. Ess., 66; xvi, 86-87; xxi, 102; xxiii, 25-26, 232. See also Cutworm, Speckled, and Cutworm, Spotted.

Spotted—Continued.

- Diabrotica, xxiii, 231.
 Willow-beetle, xxiii, 186-187, 231.
 Sprayer, "Eclipse," xxi, 40.
 machine, xxi, 14.
 "Success Kerosene," tests with, xxi, 41.
 Sprays, experiments with insecticide,
 xxi, 40-42.
 spretus, Melanoplus, xxi, 130, 133, 134;
 xxiii, 136.
 Pezotettix, Misc. Ess., 120.
 Spruce as food plant of Zebra-cater-
 pillar, xxi, 153.
 Fodder Worm collected from, xxiii,
 86.
 squamosa, Geoica, xviii, 53, 57, 98, 105.
 squarrosa, Grindelia, xxiii, 90.
 Squash as food plant of Common Strip-
 ed Cutworm, xxiii, 34.
 of Diabrotica tenella, xxiii, 188.
 of Ear-worm, xxiii, 67.
 of Garden Web-worm, xxiii, 89.
 of Greasy Cutworm, xxiii, 21.
 of Imbricated Snout-beetle, xxi,
 143; xxiii, 113.
 of Silpha bituberosa, xxi, 137.
 of Striped Cucumber-beetle, xxi,
 126.
 -bug family, general description of
 two species of, xxi, 96-97.
 eaten by adult Southern Corn Root-
 worm, xviii, 148.
 infested by Corn Root-aphis, xviii,
 61.
 by Northern Corn Root-worm bee-
 tle, xviii, 158.
 pollen eaten by same, xviii, 158.
 vines and roots eaten into by larval
 and adult Banded Ips, xviii, 25.
 Squashes as food of thousand-legged
 worms, xxiii, 222.
 destroyed by Texan Agricultural Ant,
 xxiii, 159.
 Stainton, H. T., xv, 46.
 Stalk-borer, Misc. Ess., 76; xviii, 4, 6;
 xxiii, 2, 10, 44-47.
 as strawberry insect, xiii, 61, 114, 179.
 Corn-, Misc. Ess., 87.
 Larger, xxiii, 91-93, 233.
 Smaller, Misc. Ess., 86; xxiii, 10,
 94-95, 232.
 distinguished from Wheat-Bulb-worm,
 xiii, 17.
 injury to Corn by, xxiii, 17, 231.
 measure against, xiii, 69.
 Stalk-borers, xxiii, 7, 10, 11, 226.
 Hadenia, xxiii, 77-78.
 of Corn, xxiii, 232-233.
 Stalk-maggot, xxiii, 164-165, 226.
 Stanton, J. W., xxii, 39; xxiv, 48.

Staphylinidæ, xxiii, 180.

- State Entomologist of Illinois, appoint-
 cees as and salary of, xiv, Ap-
 pendix, V-VII.
 legislative appropriations for
 expenses of, xiv, Appendix,
 VII-VIII.
 office of, associated with that
 of Illinois State Labora-
 tory of Natural History,
 xiv, Appendix, VIII.
 established, xiv, Appendix,
 V.
 reports of, xiv, Appendix V-
 VIII.
 general indexes to first
 twelve, xiv, Appendix,
 IX-XIX, 1-107.
 scope and variety of, xiv,
 Appendix, VIII.
 Horticultural Society, Executive Board
 of, xx, 12.
 Steam, effect of, on insects and vegeta-
 tion, xvi, 42-43, 56.
 Stedman, J. M., xx, 3; xxiii, 27; xxiv,
 43, 49.
 Stellaria media as food plant of Yellow-
 Black Flea-beetle, xxi, 116.
 Stenobothrus curtipennis, xxi, 130, 131.
 Stenoptycha, xvii, 29.
 pallulella, xvii, 29.
 Stenosphenus notatus injuring Hickory,
 Misc., Ess., 130.
 stercorator, Atenius, xix, 140; xxiii, 183.
 Sterigmatocystis, xx, 94.
 sticticalis, Loxostege, xxi, 51, 107, 109.
 Stiles, C. W., xxiv, 167.
 stimulea, Empretia, Misc. Ess., 62; xxiii,
 173.
 Sibine, xxiii, 173.
 Stink-bug, xxi, 52; xxiii, 117.
 family, xxi, 97.
 Western Green, xxi, 97-99; xxiii, 116-
 117, 233.
 Stink-bugs, xxiii, 194-196, 233.
 Stinkweed infested by Emblethis griseus,
 xxi, 94.
 stipata, Hadenia, xxiii, 77, 78, 232.
 Stobera tricarinata infesting Sugar-beet,
 xxi, 67.
 Stormont, E. L., paper by, on the White
 Pine Chermes, xx, Appendix.
 Stramonium as food plant of larva of
 Pale-striped Flea-beetle, xxi, 122.
 Strange, A. T., xiii, 109.
 Strawberries as food of Dusky Leaf-
 bug, xxiii, 199.
 of thousand-legged worms, xxiii,
 222.
 burrowed by Euphoria inda, xxiii, 101.

Strawberries—*Continued.*

- injured by field-cricket, xxiii, 214.
 by Thripidae, xvii, XIII; xxiii, 135-136.
 subject to attack by wireworms, xviii, 30.
- Strawberry as breeding plant of *Lophoderus velutinus*, xiv, 81.
 as food plant of *Agallia sanguinolenta*, xxi, 70.
 of Army-worm, xxiii, 49.
 of Dingy Cutworm, xxiii, 27.
 of Greenhouse Leaf-roller, xxi, 106.
 of Red-banded Leaf-roller, xiv, 21.
 of Sulphur Leaf-roller, xiv, 20; xxiii, 174.
 of Zebra-caterpillar, xxiii, 171.
 classification of insect injuries to, xiii, 64-66.
- Clover Plant-louse common on, xxiii, 208.
- Crown-borer, xiii, 151, 169; xiv, 8.
 account of, cited, xiii, 142.
 barrier against, xiii, 68.
 calendar of, xiii, 179.
 damage by Strawberry root-worms attributed to, xiii, 176.
 on life history of, xiii, 142.
- Crown-girdler, xxiii, 192-193.
- Crown-miner, xiii, 62, 141.
 calendar of, xiii, 179.
- eggs of *Apantesis phalerata* on, xxiii, 77.
- False Worm, xiii, 61, 69, 71-76.
 calendar of, xiii, 179.
 description of, xiii, 72.
 distribution and abundance of, xiii, 75.
 habits of, and injury to Strawberry by, xiii, 75.
 life history of, xiii, 73.
 literature of, xiii, 71.
 natural enemies of, xiii, 75.
 remedies for, xiii, 75.
 (See also Strawberry-slug.)
- fields, adult Wheat Bulb-worm in, xiii, 20.
 infested by larva of Green June Beetle, xviii, 144.
- Flower-worm, xiii, 61, 111-112.
 calendar of, xiii, 179.
 food plants and description of, xiii, 111-112.
- infested by *Agallia novella*, xxi, 69.
 by Corn Flea-beetle, xxi, 118.
 by Toothed Flea-beetle, xxiii, 110.
- injured by Black Vine-weevil, xxi, 144.

Strawberry injured—*Continued.*

- by cutworms, xiii, 84; xvi, 84, 88.
 by Dusky Plant-bug, xiii, 10.
 by False Chinch-bug, xxi, 96; xxiii, 118.
 by Goldsmith-beetle, xiii, 148.
 by Grape-vine *Colaspis*, or *Colaspis* Root-worm, xxi, 125; xxii, 145, 148; xxiii, 105, 106.
 by Grass-worm, xiv, 63; xxiii, 82.
 by grasshoppers, Misc. Ess., 50.
 by Greasy Cutworm, xxi, 104; xxiii, 22.
 by Imbricated Snout-beetle, xxi, 143, 144; xxiii, 113.
 by Larger Striped Flea-beetle, xxi, 115.
 by Little Negro-bug, xxiii, 116.
 by Pale-striped Flea-beetle, xviii, 22; xxi, 121; xxiii, 108.
 by Smartweed Caterpillar, xxiii, 170.
 by Soft Maple Bark-louse, xiv, 104.
 by Tarnished Plant-bug, xiii, 10.
 by *Thrips tritici*, xvi, IX; xviii, XIII.
 by White-grubs, xvii, 41; xviii, 109, 114; xxiv, 166.
- insects, xiii, 11, 60-180.
 calendar of, xiii, 179.
 classification of measures against, xiii, 66-67.
 injurious to leaf and leaf-stem, xiii, 70-106.
 list of, xiii, 61-62.
 literature on, xiii, 62.
 new and imperfectly known, xiv, 77-82.
 summary and general comparison of life histories of, xiii, 178.
- leaf-beetles, xiii, 86.
- Leaf-roller, Common, xiii, 61, 87-93.
 calendar of, xiii, 179.
 description of, xiii, 89.
 distribution of, xiii, 90.
 injuries by, xiii, 87, 92.
 life history of, xiii, 91.
 literature of, xiii, 87.
 remedy for, xiii, 92.
- Flain, xiii, 61, 95-96.
 calendar of, xiii, 179.
 description and life history of, and remedies for, xiii, 96.
- Leaf-stem Gall-fly, xiii, 97.
- leaves, *Colaspis tristis* feeding on, xiii, 159.
 rolled by Rusty-Brown Tortrix, xxiii, 176.
- millipede, xiii, 138-141.
 description of, xiii, 140.
 European, xiii, 139.

Strawberry millipede—*Continued.*

- injuries by, xiii, 139, 140.
 lures for, xiii, 69, 141.
 plant-lice, xiii, 62, 98-104.
 natural enemies of, xiii, 103.
 remedies for, xiii, 104.
 Plant-louse, Lesser, xiv, 79.
 plants destroyed by Glassy Cutworm, xxiii, 20.
 Root-worm. See *Colaspis brunnea*.
 root-worms, xiii, 11, 62, 144, 150-177,
 Addenda, I; xiv, 8.
 common characters of, xiii, 151-153.
 of adults of, xiii, 153.
 of pupæ of, xiii, 152.
 comparison of life histories of, xiii,
 166-169.
 differential characters of all stages
 of, xiii, 153-155.
 distinguishing characters of, xiii, 151.
 injuries by, and by adults of, xiii,
 169-170.
 natural enemies of, xiii, 170.
 procedure in fields infested by, xiii,
 174-175.
 summary of discussion of, xiii, 175-
 177.
 supplementary note on, xiv, 81.
 topical applications to foliage for,
 xiii, 171.
 to roots for, xiii, 172-174.
 (For descriptions, life histories, and
 literature of, see under *Colaspis*
brunnea, *Paria aterrima*, and *Scel-*
odonta nebulosus.)
 -slug, xiii, 61.
 note on life history of, xiv, 77-78.
 (See also Strawberry False Worm.)
 Spanworm, Brown, xiii, 61, 76-78.
 calendar of, xiii, 179.
 description of, xiii, 77-78.
 distinguished from related species,
 xiii, 78.
 Green, xiii, 61.
 calendar of, xiii, 179.
 description and food plants of,
 xiii, 80-81.
 Horned, xiii, 61.
 calendar of, xiii, 179.
 description and life history of,
 xiii, 79-80.
 -stem, or Leaf-stem, Gall-fly, xiii, 62, 97.
 susceptibility of different varieties of,
 to injury by Tarnished Plant-bug,
 xiii, 125-128.
 Thrips, adhesive applications to plants
 for, xvii, XV.
 injuries by, xvi, IX; xvii, XIII.
 -weevil, xiii, 62.
 calendar of, xiii, 179.

Strawberry-weevil—*Continued.*

- injury by, description of, and reme-
 dies for, xiii, 114-115.
 Wild, infested by Sweet-Potato Flea-
 beetle, xxiii, 111.
 Straw-worm, Greater Wheat-, xiv, 6.
 See Wheat Straw-worm, Larger.
 Wheat, xiv, 6. See Wheat Straw-
 worm and Wheat Straw-worm,
 Lesser.
striata, Anaphothrips, xxiii, 136.
Colaspis, xiii, 159.
stricta, Oxalis, xvii, 67; xviii, 61.
strictum, Xiphidium, xxi, 131, 136; xxiii,
 147.
strigosa, *Colaspis*, xiii, 156
strigosus, *Cyperus*, xvi, 68; xvii, 72;
 xviii, 148; xix, 86; xxii, 12, 19, 20.
 Striped Blister-beetle, Misc. Ess., 19,
 51, 107; xxi, 140; xxiii, 112, 113, 231.
 Cricket, xxiii, 214-215.
 Cucumber-beetle, xxi, 115, 126-127;
 xxiii, 187, 188, 231.
 Flea-beetle, Larger, xxi, 115.
 gophers, xxiii, 39.
 or Corn, or Common Striped, Cut-
 worm, Misc. Ess., 70; xxiii, 34.
 Sod Web-worm, xxiii, 230.
strumarium, *Xanthium*, xviii, 107; xxiii,
 90.
 Strychnine for wireworms, xviii, 49.
 Sturtevant, E. L., xiii, 139, 141.
Suæda linearis as food plant of *Mo-*
noxia puncticollis, xxi, 128.
subapterus, *Merisus*, Misc. Ess., 15.
subgothica, *Agrotis*, Misc. Ess., 67.
 xvi, 85, 90.
Feltia, xxiii, 17, 26.
subspinus, *Macroductylus*, Misc. Ess.,
 98; xxiii, 184, 227.
subviridis, *Chætocnema*, xix, 81.
 Sugar-beet as breeding plant of Melon
 Aphis, xxi, 81.
 as food plant of *Agallia sanguinolenta*,
 xxi, 70.
 of Army-worm, xxi, 147; xxiii,
 49.
 of Cotton Cutworm, xxi, 148.
 of Dark-sided Cutworm, xxiii,
 33.
 of Purslane-caterpillar, xxi, 155.
 of *Silpha bituberosa*, xxi, 137.
 of *Spharagemon æquale*, xxi,
 132.
 of Striped Cucumber-beetle, xxi,
 126.
 of Three-spotted Flea-beetle,
 xxi, 115.
 of woolly bears, xxi, 156.

Sugar-beet—*Continued.*

- attacked by Two-striped Grasshopper, xxi, 133.
 Common Flower Bug occurring on, xxi, 86.
 destroyed by Beet Aphis, xxi, 159, 160.
 by Beet Web-worm, xxi, 109.
 by Black Blister-beetle, xxi, 141.
 by European Beet-Tortoise-beetle, xxi, 124.
 by Pale-striped Flea-beetle, xxi, 120, 121; xxiii, 107, 108.
 by Spotted Cutworm, xxi, 103.
 by *Tanymecus confertus*, xxi, 145.
 by Western Green Stink-bug, xxi, 97.
 economic entomology of the, xxi, 49-184.
 examples of insect injury to the, xxi, 51-52.
 fields, *Campylacantha olivacea* in, xxi, 135.
Corizus lateralis in, xxi, 96.
 first report of injury to, in America, xxi, 51.
 flea-beetles, xxi, 114.
Gypona 8-lineata collected from, xxi, 72.
 infested by *Acanthocerus galeator*, xxi, 96, 97.
 by *Acutalis calva*, xxi, 80.
 by *Agallia novella*, xxi, 69.
 by *Agallia 4-punctata*, xxi, 65.
 by *Agallia uhleri*, xxi, 70.
 by *Aphis atriplicis*, xxi, 82.
 by *Aphis middletonii*, xxi, 161.
 by *Aphis* sp., xxi, 82.
 by *Apion* sp., xxi, 143, 145.
 by *Athysanus* sp., xxi, 75.
 by Cabbage Flea-beetle, xxi, 123.
 by *Cicadula sexnotata*, xxi, 77.
 by Cigar-Case-bearer, xxi, 146.
 by Common Negro-bug, xxi, 99.
 by Common Red-legged Grasshopper, xxi, 128.
 by Corn Flea-beetle, xxiii, 110.
 by *Crepidodera atriventris*, xxi, 117.
 by *Deltocephalus inimicus*, xxi, 74.
 by *Deltocephalus melsheimeri*, xxi, 73.
 by *Dicraneura fieberi*, xxi, 77.
 by *Diedrocephala mollipes*, xxi, 71.
 by *Diedrocephala versuta*, xxi, 71.
 by *Disonycha cervicalis*, xxi, 117.
 by *Emblethis griseus*, xxi, 94.
 by *Empoasca flavescens*, xxi, 79.
 by *Empoasca mali*, xxi, 77.
 by *Epitrix brevis*, xxi, 118.
 by *Eutettix seminuda*, xxi, 75.
 by False Chinch-bug, xxi, 96.

Sugar-beet infested—*Continued.*

- by False Flea-hopper, xxi, 88.
 by Garden Flea-hopper, xxi, 88.
 by *Geocoris pallens*, xxi, 95.
 by *Glyptina brunnea*, xxi, 122; xxiii, 191.
 by *Gnathodus abdominalis* and *G. impictus*, xxi, 76.
 by Grape-vine *Colaspis*, xxi, 125.
 by grape-vine leaf-hoppers, xxi, 79.
 by Grass-worm, or Common Grass-worm, xxi, 149; xxiii, 82.
 by Green Leaf-bug, xxi, 90.
 by Greenhouse Leaf-roller, xxi, 105.
 by *Hadronema militaris*, xxi, 92.
 by Imported Garden Web-worm, xxi, 111.
 by Large-eyed Purslane Bug, xxi, 95.
 by Larger Meadow Grasshopper, xxi, 135.
 by Larger Striped-Flea-beetle, xxi, 115.
 by *Liburnia ornata*, xxi, 67.
 by *Liburnia puella*, xxi, 68.
 by *Longitarsus melanurus*, xxi, 122.
 by *Mamestra* sp., xxi, 151.
 by *Myzus achyrantes*, xxi, 83.
 by *Nectarophora erigeronensis* and *N. pisi*, xxi, 83.
 by *Nysius minutus*, xxi, 95.
 by *Oncometopia undata*, xxi, 70.
 by *Phlepsius irroratus*, xxi, 76.
 by *Plagiognathus obscurus*, xxii, 89.
 by *Platymetopius acutus*, xxi, 73.
 by Red-headed Flea-beetle, xxi, 120.
 by Rhubarb Flea-beetle, xxi, 124.
 by *Schistocerca alutacea*, xxi, 132.
 by Smartweed Flea-beetle, xxi, 119.
 by Southern Corn Root-worm, xxi, 125, 126.
 by species of *Tortricidæ*, xxi, 106.
 by *Sphragisticus nebulosus*, xxi, 94.
 by *Stobera tricarinata*, xxi, 67.
 by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 111.
 by *Thamnotettix belli*, xxi, 76.
 by *Xiphidium nemorale* and *X. strictum*, xxi, 136.
 by Yellow Grasshopper, xxi, 131.
 or injured by grasshoppers, xxi, 128, 130.
 injured by Ash-colored Blister-beetle, xxi, 140.
 by Beet Army-worm, xxi, 51, 150.
 by Beet Carrion-beetle, xxi, 136.
 by Black-winged Grasshopper, xxi, 131.
 by Cabbage *Plusia*, xxi, 152.
 by *Centrinus penicellus* and *C. perscitus*, xxi, 145.

Sugar-beet injured—*Continued.*

- by *Chaetocnema denticulata*, xxi, 118.
- by *Clivina impressifrons*, xxi, 136.
- by Common Gray Blister-beetle, xxi, 139.
- by Common Red Spider, xxi, 58.
- by Cutworms, xxi, 100, 102.
- by French bugs, xxi, 127, 128.
- by Garden Mamestra, xxi, 151.
- by garden web-worms, xxi, 106, 107, 108.
- by Green and Mealy Flatas, xxi, 84.
- by Green Beet-Leaf-worm, xxi, 151.
- by Imbricated Snout-beetle, xxi, 143; xxiii, 113.
- by *Lachnosterna rugosa*, xxi, 164.
- by leaf-beetles, xxi, 112, 113.
- by leaf-bugs, xxi, 86.
- by Margined Blister-beetle, xxi, 141.
- by *Megetra vittata*, xxi, 139.
- by Muck Beetle, xxi, 165.
- by *Noctua plecta*, xxi, 105.
- by Nuttall's Blister-beetle, xxi, 142.
- by *Phyllotreta decipiens*, xxi, 123.
- by Pigweed Bug, xxi, 85.
- by Potato Flea-beetle, xxi, 117; xxiii, 190.
- by *Psylliodes convexior*, xxi, 124.
- by Purslane-sphinx, xxi, 155.
- by snout-beetles, xxi, 142, 143.
- by Spotted Blister-beetle, xxi, 139.
- by Striped Blister-beetle, xxi, 140.
- by Toothed Flea-beetle, xxiii, 110.
- by *Trimerotropis latifasciata*, xxi, 132.
- by Western Cabbage Flea-beetle, xxi, 123; xxiii, 109.
- by White-grubs, xviii, 114.
- by wireworms, xxi, 162.
- by Yellow-Black Flea-beetle, xxi, 114, 116.
- by Zebra-caterpillar, xxi, 153.
- injuries to leaf of, xxi, 50.
- to roots of, xxi, 50.
- insects, acknowledgments for copies of published figures of, and for other courtesies and assistance, xxi, 57.
- classification of the, xxi, 55.
- detailed discussion of groups of and injuries by, xxi, 57-165.
- economic bibliography of, xxi, 170-175.
- key for recognition of insect injury to the, xxi, 56.
- leaf-hoppers infesting the, xxi, 62, 63, 79.
- leaf-miners, xxi, 59-62.
 - economic measures against, xxi, 62.
 - enemies of, xxi, 61

Sugar-beet leaf-miners—*Continued.*

- injuries by, xxi, 60.
- life history of, xxi, 60-61.
- liability of, to insect injury, xxi, 50.
- Northern Corn Root-worm beetle on, xxi, 127.
- preventive and remedial measures for insect injury to the, xxi, 52-55.
- seed-weevil on, xxi, 143, 145.
- (See also under Beet.)
- Sugar-cane as food plant of Garden Web-worm, xxiii, 90.
- Beetle, xxiii, 99.
- Borer, xxiii, 10.
- injured by Grass-worm, xiv, 61.
 - by Larger Corn-Stalk-borer, xxiii, 92.
 - by Sugar-cane-Beetle, xxiii, 99.
- sprouts infested by Stalk-maggot, xxiii, 165.
- subject to injury by Grass-worm, xxiii, 82.
- sulcatus*, *Otiorynchus*, xiii, 62, 177; xxi, 143, 144.
- sulfureana*, *Cræsia*?, xiv, 17.
- Dichelia*, xxiii, 174.
- Epagoge*, xxiii, 174.
- (See also sulphureana.)
- Sulphate of potash and petroleum to support crop under attack by Corn Root-aphis, xviii, 77.
- Sulphur, flour of, for Goldsmith-beetle, xiii, 148.
 - for White-grubs, xiii, 146.
- flowers of, for Red Spider, xiii, 106.
- for Grape Phytoptus, xiv, 86.
- for strawberry insects, xiii, 69.
- fumes of, for White Ant, xix, 199.
- Leaf-roller, xiv, 17-20; xxiii, 174-175.
- See Leaf-roller, Sulphur.
- sulphureana*, *Dichelia*, xiv, 17, 21, 74; Misc. Ess., 88; xxiii, 174.
- Sulphuric acid, commercial, xx, 24.
- Sumac as food plant of Dusky Leaf-bug, xxiii, 199.
 - of San Jose Scale, xx, 1; xxi, 13; xxiv, 103.
- infested by *Platymetopius acutus*, xxi, 73.
- subject to injury by Cottony Maple Scale, xxiv, 103.
- Summer Savory injured or destroyed by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
- Summers, H. E., xx, v; xxi, 9, 27, 28, 29, 57, 63; xxii, 28.
- Sunflower as breeding plant of *Lixus concavus*, xxiii, 115.

Sunflower—*Continued.*

- as food plant of *Campylacantha olivacea*, xxi, 135; xxiii, 213.
 of Carrot-beetle, xxiii, 98.
 of Ear-worm, xxiii, 67.
 of Striped Cucumber-beetle, xxi, 126.
 of Yellow Bear, xxiii, 74.
 infested by *Agallia 4-punctata*, xxi, 68.
 by *Oncometopia undata*, xxi, 71.
 roots as food of Muck Beetle, xxi, 165.
 Tame, as food plant of Southern Corn Root-worm beetle, xviii, 148.
 Wild, as food plant of Beet Army-worm, xxi, 150.
 of Margined Blister-beetle, xxi, 141.
 of Small Green Grasshopper, xxiii, 142.
 of Southern Corn Root-worm beetle, xviii, 148.
 leaf structures of, as food of *Lixus concavus*, xvi, 76.
 Superphosphates and petroleum to support corn crop under attack by Corn Root-aphis, xviii, 77.
surinamensis, *Silvanus*, Misc. Ess., 93.
 Sweet Clover as food plant of Salt-marsh Caterpillar, xxiii, 74.
 of Zebra-caterpillar, xxiii, 171.
 Corn injured by Green Stink-bug, xxi, 97.
 -gum as food plant of Goldsmith-beetle, xiii, 148.
 of May-beetles, xviii, 114.
 Pea as food plant of Zebra-caterpillar, xxi, 153.
 infested by *Nectarophora pisi*, xxi, 83.
 Pepper-bush as food plant of Raspberry Measuring-worm, Misc. Ess., 129.
 Potato as food plant of Army-worm, xxiii, 49.
 of Carrot-beetle, xxiii, 98.
 of Clay-backed Cutworm, xxiii, 29.
 of Dingy Cutworm, xvi, 88; xxiii, 27.
 of European Beet-Tortoise-beetle, xxi, 124.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xxiii, 82.
 of Imbricated Snout-beetle, xxi, 143.
 of Seed-corn Maggot, xxiii, 70.
 Flea-beetle, injuries, hibernation, and range of, xxi, 119; xxiii, 110-111.

Sweet Potato—*Continued.*

- injured by Common Gray Blister-beetle, xxi, 139.
 by cutworms, xvi, 84, 85, 91.
 by Dark-sided Cutworm, xxiii, 33.
 by Potato Flea-beetle, xxi, 117.
 by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 111.
 by White-grubs, xx, 29.
 or destroyed by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
 potatoes eaten by Variegated Cutworm, xvi, 94.
 -william, injury to, by iulids, xiii, 141.
 Sycamore, eggs of Grass-worm on leaves of, xiv, 62.
sylvatica, *Clisiocampa*, xiii, 10; xvii, XIII.
sylvestris, *Ligyrocoris*, xxiii, 198, 233.
 Symons, Thomas B., xxiv, 44, 47, 48, 50.
Sympiezus lithocolletidis as parasite of Apple Ornx, xv, 57.
 of Apple *Tischeria*, xv, 50.
 Syringa, xxi, 3.
 False, Cottony Maple Scale on, xxiv, 103.
 Syrphus-flies, xiii, 45.
 as enemies of plant-lice, xiii, 103.
 Syrphus-fly, Corn-feeding, xxiii, 162-163.
 description of larva and imago of, xiv, 32.
 larvæ preying on Corn Plant-louse, xiv, 24, 32.
 food of, xxiii, 9-10, 162.
Systema blanda, xiii, 62, 86; Misc. Ess., 105; xvi, XI; xxi, 120; xxiii, 107-108. See Flea-beetle, Pale-striped.
 concerning life history of, xxi, 114.
frontalis, xxi, 114, 120.
hudsonias, xxi, 114, 119; xxiii, 190-191.
tæniata, xviii, 8, 21-23; xxi, 52, 114, 120. See Flea-beetle, Pale-striped.
 var. *blanda*, xviii, 23.

T

- Tachina* flies as parasites of cutworms, xxi, 101.
 fly, xix, 75.
 as parasite of Common Garden Web-worm, xxi, 109.
 of Grass-worm, or Fall Army-worm, xiv, 65, 66; xxi, 150.
 of Imported Garden Web-worm, xxi, 112.
 larva of, infesting grasshoppers, xxi, 129.
phycitæ, xv, 70.
 sp. as parasite of Greasy Cutworm, xvi, 93.

- Tachinid parasite of adult Southern Corn Root-worm, xviii, 151.
 parasites of White-grubs and May-beetles, xviii, 125; xxiv, 160, 163.
tæniata blanda, Systema, xviii, 23.
 Systema, xviii, 21; xxi, 52, 114, 120.
 Tanner, John R., xxii, 27.
 Tansy infested by Beet Web-worm, xxi, 110.
Tanymericus confertus, xxi, 143, 145.
 Tarnished Plant-bug, xiii, 11, 62, 115-135, 138; xiv, 8, 79-80, 111; xxi, 87, 89, 90; xxiii, 12, 118-120, 199, 200, 201, 233.
 calendar of, xiii, 179.
 character of, as an injurious species, xiii, 115.
 description of, xiii, 117-121, 134; xiv, 79, 80; xxi, 87, 90-92.
 distribution of, xiii, 115.
 habits of and injuries by, xiii, 10, 61, 115, 121-129, 134.
 hibernation of, xiii, 134.
 in the flower and vegetable garden, xiii, 121.
 in the orchard, xiii, 122.
 in the strawberry field, xiii, 123-129.
 life history of, xiii, 121, 134; xiv, 79, 80; xxi, 91.
 literature of, xiii, 116.
 natural enemies of, xiii, 130, 135.
 preventive measures and remedy for, xiii, 131; xxi, 91.
 summary of article on, xiii, 134-135.
 supposed effect of punctures by, xiii, 129.
 Taschenberg, E. L., xvii, 6, 7, 12, 32.
taurina, Ceresa, xxiii, 204.
 Taylor, E. P., xxiv, 14, 31, 55, 60, 81, 118, 120, 124, 126, 128, 131, 161.
telarius, *Tetranychus*, xiii, 62, 106; xiv, 117.
Tenebrio molitor, Misc. Ess., 106.
obscurus, Misc. Ess., 106.
Tenebrioides, xxiii, 182.
corticalis dubia, xxiii, 182.
dubia, Misc. Ess., 94.
mauritanica, injury to stored grain or meal by, xvi, XI; xxiii, 182.
tenella, *Botrytis*, xviii, 127, 133; xix, 27, 60, 61, 62, 66, 79, 81.
Diabrotica, xxiii, 187.
Eutettix, xxi, 75.
Thamnotettix, xxi, 175.
 Tent-caterpillar, Forest, xiii, 10. See Forest Tent-caterpillar.
 Tenthredinidæ larvæ, infection experiments with, xvii, 83; xix, 52.
tephrocephala, *Tipula*, xvi, 79.
 Teras cinderella, xv, 60, 84.
 Teras—Continued.
malivorana, xiii, 183; xiv, 7, 97-98; Misc. Ess., 10, 23; xv, 60, 84.
minuta, xv, 58, 60, 75-85. See Apple Leaf-roller, Lesser.
oxycoccana, xv, 79.
vacciniivorana, xv, 79, 84.
variolana, xv, 78, 79, 80, 81.
Termes flavipes, xvi, XIII; xix, 190-204. See White Ant.
terminalis, *Lixus*, xvi, 76.
 Termites, xix, 190. See White Ant.
 Terrill, J. S., xviii, 73, 77; xxiii, 192.
tersa, *Chærocampa*, xxiii, 167.
 Theretra, xxiii, 167, 230.
tessellata, *Agrotis*, Misc. Ess., 70.
Euxoa, xxiii, 17, 34.
Tetranychus, xxiii, 223, 233.
bimaculatus, xxi, 58-59; xxiii, 14, 224.
modestus, xxiii, 14, 224.
telarius, xiii, 62, 106; xiv, 117.
Tetrastichus carinatus, a parasite of Hessian Fly, description of, xiv, 48-49.
 calendar of, xiv, 49.
productus as parasite of Hessian Fly, Misc. Ess., 15.
 sp. as parasite of Clover-seed Midge, Misc. Ess., 16; xv, 4.
Tettigonia mali, Misc. Ess., 24.
texensis, *Scudderia*, xxiii, 143.
textor, *Hyphantria*, xix, 46.
Thamnotettix belli, xxi, 76.
tenella, xxi, 175 (Errata).
 Thaxter, Roland, xvii, 76, 81; xviii, 47, 75, 135; xix, 23, 29, 30, 42, 78, 81, Appendix, 66; xx, 22.
 Theretra *tersa*, xxiii, 167, 230.
 Thermopsis as food plant of *Euschistus variolarius*, xxiii, 196.
 Thirteen-year locusts, white muscardine fatal to, xix, 90.
 Thistle as breeding plant of Corn Root-worm, Misc. Ess., 21.
 as food plant of Dusky Leaf-bug, xxiii, 199.
 blossoms infested by adult Northern Corn Root-worm, xviii, 158, 160.
 by *Euphoria inda*, xxiii, 101.
 caterpillars infested with *Sporotrichum globuliferum*, xix, 57.
 infested by *Euschistus variolarius*, xxiii, 196.
 Russian, eggs of Western Green Stink-bug on, xxi, 99; xxiii, 117.
 Striped Cricket abundant on, xxiii, 215.
 Yellow, as food plant of *Leptoglossus phyllopus*, xxiii, 197.
 Thomas, Cyrus, xiii, 16, 31, 40, 43, 51, 54, 87, 88, 90, 93, 99; xiv, 23, 57, 98, 99, Appendix, VI, VII, VIII; xv, 78, 89; xvi, XI, 32, 33, 61, 78; xvii, 33;

- Thomas, Cyrus—*Continued.*
 xviii, 24, 85; xix, 21; xxi, 161; xxiii, 190.
- Thompson Estate, F. H., xxiv, 14.
- Thorn-apple as food plant of San Jose Scale, xxi, 13.
- Thousand-legged worms, food and eggs of, xxiii, 222.
- Thousand-legs, xxiii, 228.
 injuries by, life history of, and remedies for, xiii, 138-140.
- Thrasher, Brown, xxiv, 149.
- Three-banded Leaf-hopper, injury to White Elm by, and other food plants of, xiv, 115.
- Three-spotted Flea-beetle, xxi, 115, 175.
- Thripidae, xxiii, 135.
 eaten by Common Flower Bug, xxi, 86.
- Thrips family, xxiii, 135, 233.
 maidis, xxiii, 136.
 perplexus, xxiii, 136.
 tritici, injury to Strawberry by, xvi, IX; xvii, XIII.
 Wheat, xvii, XIII. See Strawberry Thrips.
- Thrush, Brown, as enemy of corn bill-bugs, xvi, 71.
- Thrushes, xiii, 130.
 as enemies of wireworms, xviii, 47.
 June-beetles eaten by, xviii, 123, 124.
- Thyanta custator, xxiii, 117, 196.
 perditor, xxiii, 117, 233.
- Thyreocoris lateralis, xiii, 108.
 pulicarius, xiii, 62, 106-111; xvi, XII, 51.
 unicolor, xiii, 108.
- Thyridopteryx ephemeraeformis, xxii, 135-136.
- tibiator, Limneria, xxi, 112.
- Tick-trefoil as food plant of adult Colaspis brunnea, xxii, 148.
- Tickle-grass infested by Corn Root-aphis, xvii, 67.
- Tiger-moth, xxiii, 75.
 Arge, Misc. Ess., 58.
- Tiger-moths, xxiii, 70.
- Tile-horned Prionus, Misc. Ess., 102.
- Timothy, xiii, 57; xiv, 13; xvi, 51; xxiv, 1.
 and clover fields, upland, preferred by Larger Meadow Grasshopper, xxi, 135.
 as breeding plant of Sphenophorus parvulus, xxii, 3.
 as food plant of Army-worm, xxiii, 49.
 of Colaspis Root-worm, xxii, 148; xxiii, 105.
 of Garden Web-worm, xxiii, 90.
 of Grape-vine Colaspis, xxi, 125.
- Timothy as food plant—*Continued.*
 of Leucania pseudargyria, xxiii, 171.
- Bill-bug, xxii, 22; xxiii, 229.
- bill-bugs, examination of field injured by, xxiv, 1-2.
 methods of lessening or preventing injury by, xxiv, 3, 6-7.
 (Sphenophorus spp.), injury to Corn by, xxiv, 1-7.
- bulbs burrowed by wireworms, xviii, 30.
 damaged by Wheat-head Army-worm, xxiii, 84.
 destroyed by Glassy Cutworm, xxiii, 20.
 eaten by Southern Corn-Leaf-beetle, xxiii, 104.
 eggs of meadow grasshoppers in stems of, xxiii, 146.
 fields. Striped Cricket abundant on, xxiii, 215.
 Hessian Fly flaxseeds in, xvii, 61.
 infested by Geocica squamosa, xviii, 99, 100.
 by Grass Root-lice, xviii, 87, 88.
 by Sorghum Mealy Bug, xviii, 107.
 by Stalk-borer, xxiii, 46.
 by Sweet-Potato Flea-beetle, xxiii, 111.
 by Zebra-caterpillar, xxi, 153.
- injury to, xiii, 14, 22.
 by corn bill-bugs or their larvæ, Misc. Ess., 22; xvi, 59, 62, 63, 67, 69; xxii, 2, 4, 5, 7, 21; xxiii, 52, 56; xxiv, 2.
 by grasshoppers, Misc. Ess., 51.
 by meadow maggots, xvi, 79, 82.
 by Sphenophorus sculptilis, xxiii, 56.
 by White-grubs in Christian Co. (Ill.) in 1895, xx, 29, 31, 32.
- Schizoneura panicola hibernating on roots of, xiv, 28.
 sowed with various crops as protection against Chinch-bug injury, xv, 99, 102; xvi, 52.
 subject to injury, sometimes destroyed, by Grass-worm, xiv, 62; xxiii, 82.
 Wheat Bulb-worm swept from, xiii, 20.
- Tinea granella, Misc. Ess., 90.
- Tineid leaf-miner, injury to Corn by, xxiii, 176.
 to Cotton-bolls by, xxiii, 176.
- Tiphia as parasite of White-grubs, xxiv, 136, 157-160. See Grub-Wasp, Common.
 inornata as parasite of White-grubs, xviii, 124.
 description of, xviii, 125.

- Tipula*, xvi, 78.
bicornis, xvi, 78-83.
 description of, xvi, 80.
 figure of larva of, xxiii, 161.
 life history of and injuries by, xvi, 81-83.
costalis, suspected of injury to Corn, xxiii, 162.
tephrocephala, xvi, 79.
Tipulid larva, injury to Clover by, xvi, XI.
Tipulidæ, xvi, 78.
 injuries to Corn by, xxiii, 9, 162.
Tischeria ænea, xv, 46, 47.
 Apple, xv, 45-50. See Apple *Tischeria*.
malifoliella, xv, 45-50. See Apple *Tischeria*.
roseticola, xv, 46, 47.
tischeriæ, *Astichus*, xv, 50.
 Titus, E. S. G., xxii, 52, 68, 88, 91, 96, 142, 143; xxiii, 217, 219; xxiv, 1, 44, 50, 79, 118, 121, 122, 123.
 Toad as enemy of June-beetles, xviii, 126.
 Tobacco as food plant of Common Striped Cutworm, xxiii, 34.
 of Dark-sided Cutworm, xxiii, 33.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xxiii, 82.
 of Greasy Cutworm, xxiii, 21.
 of Potato Flea-beetle, xxi, 117; xxiii, 190.
 Bud-worm, xxiii, 67.
 dust for Woolly Aphis, xxii, 107.
 Ear-worm destructive to, xxiii, 67.
 injured by *Crambus luteolellus*, xxiii, 42.
 by *Euschistus variolarius*, xxiii, 195.
 by Greenhouse Leaf-roller, xxi, 106.
 -water for Apple-leaf Aphis, xxii, 129.
 for Chinch-bug, xvi, 39.
 for plant-lice, xxi, 81.
 for White-grubs, xvii, 43.
 Tomato as breeding plant of Potato Flea-beetle, xxiii, 190.
 as food plant of Cabbage Plusia, xxi, 152.
 of Clay-backed Cutworm, xxiii, 29.
 of Common Striped Cutworm, xxiii, 34.
 of Cotton Cutworm, xxiii, 80.
 of Dark-sided Cutworm, xxiii, 33.
 of Dingy Cutworm, xxiii, 27.
 of Garden Web-worm, xxiii, 90.
 of Grass-worm, xxiii, 82.
 of Greasy Cutworm, xxiii, 21.
 of Imbricated Snout-beetle, xxi, 143; xxiii, 113.
 Tomato as food plant—*Continued*.
 of Potato Flea-beetle, xxi, 117.
 of Red-banded Leaf-roller, xxiii, 175.
 of Variegated Cutworm, xvi, 94; xxiii, 24.
 infested by Common Red Spider, xxi, 59.
 by Melon Aphis, xxi, 81.
 by Stalk-borer, xxiii, 46.
 injured by blister-beetles, Misc. Ess., 19; xv, 4.
 by Common Gray Blister-beetle, xxi, 139.
 by field-cricket, xxiii, 214.
 by Margined Blister-beetle, xxi, 141.
 by Pale-striped Flea-beetle, xxi, 121; xxiii, 108.
 by Striped Blister-beetle, xxi, 140.
 leaves and fruit eaten by *Prodenia ornithogalli eudipota*, xxiii, 80.
 -worm, xxiii, 67. See under Ear-worm.
 Common, xxiii, 167.
 infection experiments with, xix, 35, 48, 71, 83.
 Tomatoes as food of Ear-worm, xxiii, 67.
 burrowed by *Euphoria inda*, xxiii, 101.
 eaten by *Euschistus variolarius*, xxiii, 196.
 by *Leptoglossus oppositus*, xxiii, 197.
 by Western Green June-beetle, xxiii, 102.
 tomentosus, *Chlænium*, xviii, 126.
 Toothed Flea-beetle, xxiii, 110.
 Torrence, Frank, xxiv, 118.
 Tortoise-beetle, *Argus*, xxiii, 192, 231.
 Tortricidæ, xxi, 105; xxiii, 174-176.
 species of, infesting Sugar-beet, xxi, 106.
 Tortrix cinderella, xv, 77, 78, 79, 81, 84.
incertana, xiv, 20.
malivorana, xv, 75, 78, 79, 81.
minuta, xv, 75, 81.
pallorana as clover leaf-roller, xiv, 74.
oxycoccana, xv, 79, 81, 82.
 Rusty-Brown, xxiii, 176, 226.
vacciniivorana, xv, 75, 78, 79, 81, 84.
 Townsend, C. H. T., xxiii, 186; xxiv, 163.
 Toxoptera graminum, xiii, 40; xvii, X; xxiii, 134-135.
 Tragocephala viridifasciata, xv, 42.
 Trama erigeronensis, xviii, 53, 57, 93-95.
 ants attendant upon, xviii, 93.
 dates of collection of, xviii, 93.
 description of, xviii, 94.
transiturana, *Cacœcia*, xiii, 95.
Trapezonotus nebulosus, xxi, 94.
 Treat, Mary, xiii, 63; xviii, 126.
 tredecim, Cicada, xix, 90.

- Tree-cricket, xxiii, 145, 215-222, 227.
See also Climbing crickets.
- Treehoppers, xxi, 80.
- Tree-sparrow as enemy of Leaf-crumpler, xv, 67.
- Trees and shrubs as breeding places of
Flatas, xxiii, 203.
injury to, by June- or May-beetles, xxi, 165; xxiv, 166.
leaves of, devoured by Western Army-Cutworm, xxi, 102.
cultivated, injured by outbreak of *Sphragisticus nebulosus*, *Geocoris bullatus*, and *Nysius angustatus*, xxi, 94.
eggs of cutworms on, xxi, 100.
fruit-, infested by *Leptoglossus*, xxiii, 197.
infested by Pigweed Bug, xxi, 85.
injured by *Diabrotica tenella*, xxiii, 188.
by red spiders, xxiii, 223.
by tree-cricket, xxiii, 216.
leaves of, as food of Saddle-back Caterpillar, xxiii, 173.
young, as food of woolly bears, xxiii, 73.
roots of, injured by White-grubs, xvii, 41; xviii, 109.
- triangularis*, *Disonycha*, xxi, 114, 115.
tricarinata, *Delphax*, xxi, 167.
Stobera, xxi, 65, 67; xxiii, 204.
tricineta, *Typhlocyba*, xiv, 115.
tricosa, *Agrotis*, xxiii, 26.
tridentata, *Artemisia*, xxi, 76.
Saperda, xiv, 112.
tridentatus, *Aphonus*, xxiii, 184.
triferana, *Cacæcia*, xiv, 20.
Eulia, xxiii, 175.
triferanus, *Lophoderus*, xiv, 20; xxiii, 175.
trifida, *Ambrosia*, xiv, 74; xxi, 161.
trifoliata, *Ptelea*, xxi, 78.
trifolii, *Cecidomyia*, Misc. Ess., 15; xv, 3.
Coccus, xiv, 73.
Macrosiphum, xxiii, 208.
Mamestra, xxi, 51, 146, 151.
Trimerotropis latifasciata, xxi, 132.
Trioza diospyri abundant on Persimmon, xiv, 99.
infesting Pear, xiv, 100.
pyrifoliae, xiv, 98-100. See Jumping Pear-louse, Yellow.
- Triphleps insidiosus*, xiii, 105; xxi, 86; xxiii, 202, 233.
as enemy of Clover-seed Midge, Misc. Ess., 16; xv, 4.
- Tripsacum dactyloides* infested by Larger Corn-Stalk-borer, xxiii, 92.
tripunctata, *Oberca*, xxiv, 127.
- trisectus*, *Crambus*, xxiii, 39, 40, 41, 42, 43, 153, 154.
tristis, *Anasa*, xix, 72; xxi, 97.
Chrysomitris, xiv, 105.
Colaspis, xiii, 62, 86, 158, 159.
Lachnosterna, xvii, 36, 37, 41, 47, 51; xviii, 113, 116, 117, 140, 144; xxiv, 137, 138, 139, 140, 141, 143, 144, 152.
Nodonota, xix, 81.
tritici, *Cecidomyia*, xiv, 50.
Euthrips, xxiii, 136.
Isosoma, xiii, 17, 30; xiv, 6, 34, 35, 36.
Thrips, xvi, IX; xvii, XIII.
- Triticum repens*, Hessian Fly flaxseeds in, xvii, 61.
Trogositidae, xxiii, 180, 182.
Trombidium locustarum, xv, 40, 43.
Trouvelot, L., xv, 78.
Trumpet-creeper, Cottony Maple Scale on, xxiv, 103.
Trumpet Mine of the Apple, xv, 47.
Tucker, Edward, xxiv, 60.
Tulasne, L., xix, 20; xx, 22.
Tulip-tree as food plant of May-beetles, xxiv, 143.
tulipifera, *Liriodendron*, xix, 195.
Tumblebug, xxiii, 183.
Turf web-worms, xxiii, 10. See Sod web-worms.
- Turkeys as enemies of corn bill-bugs, xvi, 71.
White-grubs eaten by, xviii, 124.
- Turner, J. B., xix, 194.
- Turnip as food plant of *Agallia sanguinolenta*, xxi, 70.
of Bristly Cutworm, xxiii, 35.
of Cabbage Plusia, xxi, 152.
of Dark-sided Cutworm, xxiii, 33.
of Dingy Cutworm, xxiii, 27.
of False Chinch-bug, xiii, 104.
of Garden Mamestra, xxi, 151.
of *Prodenia ornithogalli eudipta*, xxiii, 80.
of Seed-corn Maggot, xxiii, 70.
of Tarnished Plant-bug, xiv, 80.
of Western Green Stink-bug, xxi, 97; xxiii, 116.
of Zebra-caterpillar, xxi, 153.
- destroyed by Cabbage Flea-beetle, xxi, 123.
by Imported Garden Web-worm, xxi, 111.
by Pale-striped Flea-beetle, xxiii, 108.
or injured by Grass-worm, xiv, 62; xxiii, 82.
infested by wireworms, xviii, 30.
injured by False Chinch-bug, xxi, 96.
by *Phyllotreta decipiens*, xxi, 123.

- Turnip injured—*Continued*.
 by Potato Flea-beetle, xxi, 117.
 by Smaller Corn-Stalk-borer, xxiii, 95.
 leaves riddled by adult Northern Corn Root-worm, xxi, 127.
- Turpentine emulsion for Chinch-bug, xvi, 41.
 for wireworms, xviii, 49.
- Tussock-moth, description of larva of, xxii, 102.
 egg-mass of, xxii, 102, 103, 136-137.
 identification of, in winter, xxii, 102, 103.
 measures against, xxii, 137.
 trees infested by, xxii, 102, 136.
- Twig-blight, xxii, 101, 124. See under Pear-blight.
- Twig-girdler, Elm, xxiv, 118-134. See under Elm.
- Two-spotted, or Twice-stabbed, Ladybird or Ladybug, xx, 20-21; xxi, 43.
 as enemy of Cotton Maple Scale, xxiv, 115.
 of San Jose Scale, xx, 20.
 Smaller, among Corn plant-lice, xiv, 33.
 destroyer of Maple Bark-louse, xiv, 33.
- Two-striped Grasshopper, xxi, 130; xxiii, 67, 136, 229.
- Typha, xviii, 94, 101.
 brevicornis, xviii, 53, 57, 97-98, 101.
 description of, xviii, 97.
 panici, xviii, 101.
 phaseoli, xviii, 98, 101.
 radicola, xviii, 94.
 setariae, xviii, 101.
- Tyloclerum fragariae, xiii, 62, 142, 151, 176.
- Typha latifolia infested by Sphenophorus pertinax, xvi, 60; xxii, 17.
- Typhlocyba comes and T. comes var. vitis, xxi, 79.
 rose, food plants of, xxi, 78.
 tricincta, xiv, 115.
 vulnerata infesting Sugar-beet, xxi, 79.
 sp., general description of, xxi, 67, 79.
- Typhoea fumata, Misc. Ess., 94.

U

- Uhler, P. R., xiii, 105, 181; xiv, 111; xvi, 61; xxi, 69, 76, 97.
 uhleri, Pentatomia, xxiii, 116, 117.
 ulmicola, Oberea, xxiv, 118.
 Ulmus americana, xiv, 112; xxiv, 118.
 umbra angulata, Chariclea, xiv, 89.
 undata, Oncometopia, xxiii, 204.
 Pyrgota, xxiv, 162.

- undulata, Anomala, xxiii, 185, 227.
 unicolor, Thyreocoris, xiii, 108.
 uniformis, Balaninus, xvi, 77.
 unipuncta, Heliophila, Misc. Ess., 9, 78; xv, 2; xxiii, 47.
 Leucania, xiii, 61, 84; xix, 76; xx, 106; xxiii, 17, 47, 227.
- U. S. Department of Agriculture, Division of Entomology, xxiii, 93, 204; xxiv, 7.
 Division of Publications, xxi, 57.
 Entomological Commission, xiii, 40; xiv, 57; xv, 21; xviii, 114.
 Entomologist, xxiii, 108.
 University of Illinois, Chemical Department of, xxiv, 92.
 urticaefolia, Verbena, xiv, 20; xxiii, 174.
 uvæ, Aspidiotus, xvii, XI; xxii, 120.

V

- vacciniivorana, Teras, xv, 79, 84.
 Tortrix, xv, 75, 78, 79, 81.
 Vagabond Crambus, xxiii, 230.
 Vandever, Wm. T., xx, 26.
 Van Duzee, E. P., xxi, 67, 76.
 Vanessa antiopa, contagion and infection experiments with, xix, 49, 76, 81.
 varicornis, Luperodes, xxiii, 187, 227.
 Variegated Cutworm, Misc. Ess., 72; xxiii, 23-25, 232.
 description, life history, and feeding habits of, xvi, 93-94.
 variegatus, Brachytarsus, xxiii, 194.
 variolana, Teras, xv, 78, 79, 80, 81.
 variolarius, Euschistus, xix, 26; xxiii, 195.
 Vasey, Robert W., xxiv, 107.
 Vedralia cardinalis as enemy of Icerya purchasi, xx, 22.
 veliei, Diapheromera, xxiii, 211.
 velii, Diapheromera, xxiii, 211.
 velutinanus, Lophoderus, xiv, 81, 88.
 Velvet-grass infested by Hessian Fly larvæ, xvii, 61.
 venatus, Sphenophorus, xvi, 61; xxiii, 52.
 venetum, Gleosporium, xxii, 126.
 ventralis, Nematus, xiv, 117.
 venusta, Schizoneura, xiii, 52; xviii, 93.
 venustus, Parajulus, xxiii, 223.
 Ver blanc, xviii, 110.
 Verbena as food plant of Yellow Bear, xxiii, 74.
 hastata and V. urticaefolia, Sulphur Leaf-roller bred from and feeding on, xiv, 20; xxiii, 174.
 Scarlet, as food plant of Garden Webworm, xxiii, 90.
 Verbenas infested by Common Red Spider, xxi, 59.

Verbenas—*Continued.*

- wild, infested by Smartweed Flea-beetle, xxi, 119.
- vernalis, Copipanolis, xvii, 81.
- Vernonia infested by Aphis middletonii, xxi, 161.
- Veronica, xiii, 108.
- peregrina as food plant of Flea, or Little, Negro-bug, xiii, 107; xxiii, 116.
- versicolor, Iris, xvi, 77.
- versuta, Dicrocephala, xxi, 66, 71.
- verticillata, Setaria, xiii, 52.
- vesca, Fragaria, xiii, 140.
- vespertina, Serica, xviii, 133; xix, 70.
- vestigialis, Agrotis, xvi, 90.
- Vetch, Hairy, as food plant of Ear-worm, xxiii, 67.
- vicina, Pegomyia, xxi, 59.
- Vickroy, H. K., xiii, 88.
- violans, Nephelodes, Misc. Ess., 75; xvi, xviii, 140, 143.
- villosus, Rubus, xv, 46.
- Vine-loving Fruit-fly, distribution and life history of, and measure against, xiv, 83-84.
- Vine-weevil, Black, xxi, 144.
- Vines injured by tree-cricket, xxiii, 216.
- leaves of, as food of woolly bears, xxiii, 73.
- devoured by Clay-colored Weevil, xxi, 145.
- violans, Nephelodes, Misc. Ess., 75; xvi, 85.
- Violet as food plant of Cotton Cutworm, xxiii, 80.
- Violets infested by Spotted Cutworm, xxi, 104.
- Virginia Creeper, Ash-colored Blister-beetle on, xxi, 140.
- injured by grape-vine leaf-hoppers, xxi, 79.
- subject to injury by Cottony Maple Scale, xxiv, 103.
- virginiana, Cressia?, xiv, 17.
- virginica, Diacrisia, xxiii, 72.
- Spilosoma, xiv, 116; Misc. Ess., 60; xxi, 146, 156.
- virginicum, Lepidium, Misc. Ess., 129.
- viridifasciata, Tragocephala, xv, 42.
- viridis, Dichromorpha, xxiii, 212, 229.
- Setaria, xiii, 52; xviii, 93.
- viscosa, Physalis, Misc. Ess., 19; xv, 4.
- vitis, Phytoptus, xiv, 84.
- Typhlocyba comes, xxi, 79.
- vitripennis, Hyaliodes, xxi, 63.
- vittata, Diabrotica, xvii, 81; xxi, 115, 126; xxiii, 188.
- Epicauta, Misc. Ess., 19, 51, 107; xv, 4; xix, 140; xxi, 138, 140; xxiii, 111.

vittata—*Continued.*

- lemniscata, Epicauta, xxi, 140.
- Megetra, xxi, 138, 139.
- phalerata, Aretia, xxiii, 76.
- Phyllotreta, xiii, 62, 86; xxi, 114, 123.
- Viviana sp. as parasite of May-beetle, xxiv, 163.
- vulgare, Orchelimum, xiv, 23; Misc. Ess., 118; xxi, 135; xxiii, 13, 144.
- vulgaris, Agrostis, xvii, 62.
- Brunella, xxi, 119.
- Melolontha, xviii, 133; xxiv, 137.
- vulgivagellus, Crambus, xxiii, 34, 41, 42, 43, 153, 154, 230.
- vulpeculus, Mononychus, xvi, 77.

W

- Wahoo as food plant of San Jose Scale, xx, 1; xxi, 13.
- Walker, Francis, xiii, 100.
- Walking-stick, Prairie, xxiii, 211-212, 229.
- Walking-sticks, xxiii, 229.
- Wallés, A., xviii, 130.
- Walnut, Black, as food plant of May-beetles, xviii, 114.
- of San Jose Scale, xxi, 13.
- subject to injury by Cottony Maple Scale, xxiv, 103.
- Caterpillar, flacherie of, xix, 22.
- English, as food plant of San Jose Scale, xx, 1; xxi, 13.
- flamed with gasoline blast-lamp, xxiv, 52.
- infested by Empoasca flavescens var. birdii, xxi, 79.
- by Soft Maple Bark-louse, xiv, 103.
- Scale, xxii, 114, 117.
- economic importance of, xxii, 115.
- trees infested by, xxii, 115.
- winter stage of, xxii, 113.
- Walsh, B. D., xiii, 46, 139, 156; xiv, 20, Appendix, V; Misc. Ess., 21, 22; xv, 67, 68, 71, 72; xvi, 61; xvii, 33; xviii, 17, 24, 69, 114; xix, 21, 192, 195; xxi, 71.
- and Riley, C. V., xiii, 88, 90, 91, 92; xiv, 56; xv, 59; xvi, 32.
- Walsingham, Lord, xv, 53, 55; xvi, 101.
- Walton, Alice B., xiii, 72, 74; xiv, 77.
- Warder, Reuben H., xxiv, 102, 112.
- Warren, B. H., xviii, 123.
- Washington Agricultural Experiment Station, xxi, 57.
- Wasps, xxiii, 8.
- solitary, xx, 103. See Odynerus.
- Water Oak, parasitized Aspidiotus obscurus on, xx, 22; xxi, 31.
- Watermelon, xxi, 149.

Watermelon—*Continued.*

- as food plant of Army-worm, xxiii, 49.
of Imbricated Snout-beetle, xxi, 143.
injury to, by cutworms, xvi, 84, 89.
Watermelons infested by *Leptoglossus oppositus*, xxiii, 198.
Watkins, John T., xxii, 145.
Weasels as enemies of White-grubs, xviii, 124.
Weber, H. A., xiii, 41.
Webster, F. M., xiii, 12, 165, 169; xv, 37, 61, 70; xvi, 60, 62, 63, 69; xvii, 76; xviii, 10, 15, 17, 34, 149, 150, 158; xix, 23; xxi, 74, 80, 96, 97, 108, 117, 119; xxii, 5, 6, 16; xxiii, 25, 27, 77, 86, 104, 134, 158, 162, 182, 192, 199, 202; xxiv, 6, 44, 118, 119, 124, 127.
Webster, R. L., xxiv, 124.
Web-worm, Beet, xxi, 109-111.
Burrowing, xvi, X, 98-101.
dates and places of collection of, xvi, 100.
description of, and its imago, xvi, 99-100.
Common Garden, or Garden, xxi, 107, 108-109; xxiii, 89-91, 227.
Fall, infection experiment with, xix, 35, 46, 47.
Imported Garden, xxi, 107, 111-112.
injuries by, xxi, 106, 111, 112.
parasite of, xxi, 112.
Root, xiv, 6, 12-17. See Root Web-worm.
Sorghum, xxiii, 169, 227.
Web-worms, xxiii, 10, 11, 95.
as beet insects, xxi, 50, 56.
burrowing, xxiii, 95-98, 226.
distinguished from other web-worms and cutworms, xxiii, 44.
garden, xxi, 106-112; xxiii, 7, 10, 226, 231.
food plants and oviposition of, xxi, 106, 107.
life history and enemies of, and measures against, xxi, 107.
root, or sod, xvi, IX; xviii, 4, 6; xxiii, 16, 36-44, 226.
Wedding-bell injured by Common Red Spider, xxi, 58.
Weed, C. M., xiii, 162, 163; xv, 6; xvi, 69, 71, 84; xvii, 70; xviii, 61, 70, 89; xxiii, 193, 207; xxiv, 94.
On some Common Insects injuriously affecting the Foliage of Young Apple-trees in the Nursery and Orchard, xv, 45-85.
On the Injurious Locusts of Central Illinois, Misc. Ess., 48-56.
Weed, H. E., xxi, 165; xxiv, 6, 100, 103, 107.

- Weeds as food of Common Striped Cutworm, xxiii, 34.
of Dark-sided Cutworm, xxiii, 33.
of False Chinch-bug, xxiii, 118.
of Garden Web-worm, xxiii, 89.
of Granulated Cutworm, xxiii, 32.
of Imbricated Snout-beetle, xxiii, 113.
of Pale-striped Flea-beetle, xxi, 121.
of *Silpha bituberosa*, xxi, 137.
of Sulphur Leaf-roller, xxiii, 174.
of *Tanymericus confertus*, xxi, 145.
of Western Army-Cutworm, xxi, 102.
eggs of Larger Meadow Grasshopper in stalks of, xxi, 135.
of tree-cricket in, xxiii, 216.
infested by Beet Aphis, xxi, 159.
by *Corizus lateralis*, xxi, 97.
by Flatas, xxi, 84; xxiii, 203.
by Garden Leaf-hopper, xxi, 88.
by Large-eyed Purslane Bug, xxi, 95.
by *Liburnia ornata*, xxiii, 204.
by Negro-bug, or Common Negro-bug, xvi, 51; xxi, 99, 100.
by Figweed Bug, xxi, 85.
by Stalk-borer, xxiii, 46.
leaf-beetles which breed on, xxi, 113.
leaf-hoppers infesting, xxi, 67, 68, 69, 70, 71, 73, 76, 77, 78, 79.
leaves of, eaten by Southern Corn Root-worm beetle, xxi, 126.
rhubarb and dock curculios breeding in stems of, xxiii, 114.
Thyanta custator on, xxiii, 196.
treehoppers infesting, xxi, 80, 81.
Weevil, Clay-colored, occurrence of and injuries by, xxi, 144, 155.
Weevils, xiii, 40, 114-115, 179; xviii, 4, 6; xxi, 143, 145; xxiv, 44, 49.
injury to Corn by, xxiii, 5, 113.
West, J. A., xxiv, 148, 150, 158, 162.
Westcott, O. S., xxiv, 140, 141, 142.
Western Army Cutworm, xxi, 51, 102-103.
Cabbage Flea-beetle, xxi, 123; xxiii, 109.
Cricket, Misc. Ess., 118.
Green June-beetle, xxiii, 102.
Stink-bug, xxi, 97-99; xxiii, 116, 233.
Striped Cutworm, Misc. Ess., 68; xxiii, 26-27, 232.
Weston, H. S., xxii, 139.
Whale-oil soap and Paris green for *Monoxia consputa*, xxi, 128.
compared with California and Oregon washes for San Jose Scale, xxii, 89-90.

Whale-oil soap—*Continued.*

cost of treatment with, xxii, 44, 45.
effect of, on *Aspidiotus forbesi*, xxi,
20.

on Scurfy Scale, xxi, 20.

for Apple-leaf Aphis, xxii, 129.

for Forbes and Putnam scales, xxii,
116.

for San Jose Scale, xx, 12, 15, 24,
25; xxi, 16, 24, 25, 26; xxii, 27,
28, 29, 44, 45, 48, 56, 57.

for scale insects generally, xxii, 113.

for Soft Maple Bark-louse, xiv, 107-
108.

for White-grubs, xvii, 43.

soda, potash, and sulphur mixture
for San Jose Scale, xxii, 96, 97.

See "Los Angeles Co. Wash No.
5."

solution and kerosene emulsion,
comparative cost of, xxiv, 43,
57.

for Chinch-bug, xxiv, 42, 43.

for Cottony Maple Scale, xxiv,
108, 109, 110.

Wheat as breeding plant of Chinch-bug,
xvi, 52.

as food plant of *Apantesis phyllira*,
xxiii, 76.

of Army-worm, xxiii, 49.

of Cotton Cutworm, xxi, 148;
xxiii, 80.

of Dingy Cutworm, xvi, 88.

of Granulated Cutworm, xxiii,
32.

of *Leucania pseudargyria*, xxiii,
171.

of *Prodenia ornithogalli eudiop-
ta*, xxiii, 80.

of Smartweed Caterpillar, xxiii,
170.

of Southern Corn Root-worm,
xxi, 125.

of Wheat-head Army-worm,
xxiii, 84.

Bulb-worm, xiii, 10, 11, 13-29; xiv, 54.
agreement of life history of, with
that of Hessian Fly, xv, 32.

calendar of, xv, 39.

character of injury by, xiii, 22-24.
collected in strawberry fields, xiii,
20.

damage by, attributed to Hessian
Fly, Misc. Ess., 17.

defensive measures against, xiii, 27;
xiv, 55; xv, 31, 38.

description of, xiii, 13, 14, 15, 17-19.

differential characters of, xiii, 17.

hibernation of, xv, 38.

injuries by, xiii, 22-24; xiv, 6, 54;
xv, 35.

Wheat Bulb-worm, injuries—*Continued.*

by third brood of, xv, 24, 25.

life history of, xiii, 19-22; xv, 4,
35-39.

literature of, xiii, 14-16.

natural enemies of, xiii, 24-26; xiv,
54.

nomenclature of, xiii, 16.

summary of article on, xiii, 28.

Burrowing Web-worm taken from,
xvi, 100.

Campylacantha olivacea on, xxiii, 213.

Cicadula nigrifrons and *C. quadriline-
atus* infesting, xiv, 68, 69.

Clover Plant-louse on, xxiii, 208.

culture and the Chinch-bug, abstract of
opinion respecting, xvi, 32-35, 55.

favorable to Chinch-bug, xxiii, 62.

Cutworm, xiv, 56, 57, 58. See Grass-
worm.

destroyed by Dingy Cutworm, xxiii,
27.

by *Tenebrioides corticalis dubia*,
xxiii, 182.

or injured by Western Green Stink-
bug, xxi, 97, 99; xxiii, 116.

eaten by *Leptoglossus phyllopus*, xxiii,
197.

eggs of *Deltocephalus inimicus* from
leaves of, xxi, 74.

of meadow grasshoppers in, xxiii,
148.

of Western Green Stink-bug on, xxi,
99; xxiii, 117.

English Grain-louse on, xxiii, 207.

European Grain-louse on, xxiii, 206.

fields, *Boopedon nubilum* in, xxiii, 212.

-head Army-worm, xxiii, 83-84, 231.
infested by Corn Flea-beetle, xxi, 118;
xxiii, 110.

by *Gnathodus abdominalis* and *G.
impictus*, xxi, 76.

by *Phelpsius irroratus*, xxi, 76.

by *Schizoneura venusta*, xviii, 93.

by Toothed Flea-beetle, xxiii, 110.

or injured by *Sphenophorus parvu-
lus*, xxii, 4; xxiii, 56.

injured by and wintered in by Wheat
Bulb-worm, xiii, 10, 13, 22-24;
xv, 24, 25, 36, 38.

by *Anomala undulata*, xxiii, 186.

by Chinch-bug, xv, 1; xviii, IX;
xxiii, 59.

by *Cicadula 6-notata*, xxi, 77.

by Common Grass-worm, xxi, 149.

by corn bill-bugs, Misc. Ess., 23;
xvi, 58, 63.

by *Crambus vulgivagellus*, xxiii, 41-
42.

by *Deltocephalus nigrifrons*, xxi, 75.

by *Drasterius elegans*, xviii, 34, 37.

Wheat injured—*Continued.*

- by *Euschistus fissilis* and *E. variolarius*, xxiii, 195, 196.
- by Flea, or Little, Negro-bug, xxiii, 116.
- by Grass-worm, or Fall Army-worm, xiv, 6, 55, 56, 62, 63; xxiii, 82.
- by Hessian Fly, xiii, 9.
- by Iulids, xiii, 140.
- by *Cebalus pugnax*, xxiii, 194.
- by Spotted Cutworm, xxiii, 25.
- by Stalk-maggot, xxiii, 164.
- by Sweet-Potato Flea-beetle, xxi, 119; xxiii, 111.
- by Tarnished Plant-bug, xxiii, 119.
- by Wheat Midge, xiv, 50, 54.
- by Wheat Straw-worm, xiv, 34.
- by White-grubs, xvii, 41; xx, 29, 30, 31; xviii, 114.
- by wireworms, Misc. Ess., 19.
- by Yellow-headed Cutworm, xxiii, 21.
- kernels eaten by adult Southern Corn Root-worm, xviii, 149.
- leaves cut up by Leaf-cutting Ant, xxiii, 160.
- Midge, xiv, 6.
 - description of, xiv, 51-52.
 - injuries to grain by, xiv, 54.
 - life history of, xiv, 53.
 - note on, xiv, 50-54.
 - remedies for, xiv, 54.
- notes on insects injurious to, xiv, 34-69.
- roots as food of larva of Green June-beetle, xviii, 144.
- shocked, infested by *Eustilbus apicalis*, xxiii, 180.
- smut as food of *Phalacrus politus*, xxiii, 180.
 - bred in and fed on by Corn-smut Beetle, xxiii, 194.
- Southern Grain-louse as enemy of, xxiii, 134.
- Spring, xv, 30.
 - and Winter, as breeding plants of Chinch-bug, xv, 93.
 - relative liability of, to injury by same, xxiii, 59.
- stem eaten off by Southern Corn root-worm, xviii, 148.
- Maggot, xiii, 13.
- stored, eaten by Corn-smut Beetle, xxiii, 194.
- Strawberry Crown-girdler on, xxiii, 193.
- Straw-worm (or Wheat Straw-worm, Lesser), xiii, 30-38; xiv, 6, 36-37.
 - character of injury by, xiii, 36-37.

Wheat Straw-worm—*Continued.*

- description of imago, larva, and pupa of, xiii, 35.
- Larger, xiv, 34-36.
 - description of, xiv, 35.
 - distinguished from *Isosoma tritici*, xiv, 35-36.
 - life history and distribution of, xiv, 35.
 - larva of, distinguished from Wheat Bulb-worm, xiii, 17.
 - life history of, xiii, 35; xiv, 36.
 - literature of, xiii, 31-34.
 - parasite of, xiii, 30, 31, 32, 33, 34; xiv, 35-36.
 - remedial measures for, xiii, 32, 37.
- Thrips, xvii, XIII. See Strawberry Thrips.
- Thyanta custator* on, xxiii, 196.
- Timothy or Clover sown with, as protection against Chinch-bug injury, xv, 102.
- volunteer, killed as measure against Hessian Fly, xv, 30-31.
 - against Wheat Bulb-worm, xv, 31, 38.
- Winter, destroyed by Glassy Cutworm, xxiii, 20.
- Wireworm, xviii, 8, 29, 36-39, 54.
 - collected from pastures and meadows, xviii, 37.
 - description of, xviii, 36, 38-39.
 - cited, xviii, 37.
- injuries by, Misc. Ess., 19; xviii, 8, 29, 36, 37.
 - length of larval stage of, xviii, 37.
 - notes on life history of, xviii, 37-38.
- Yellow Sorghum Plant-louse breeding on, xxiii, 210.
- White Ant, description and life history of, xix, 191.
 - descriptive list of economic articles on, xix, 199-204.
 - Formica schaufussi* attendant on, xix, 198.
 - in Illinois, xix, 190-204.
 - infested by *Entomophthora aphidis*, xix, 198.
 - by *Sporotrichum globuliferum*, xix, 198.
 - injuries by, in Illinois, xvi, XIII; xviii, X; xix, 192-198.
 - miscellaneous notes concerning, xix, 198.
 - parasites of, xix, 190, 198.
 - prevention and remedy for ravages of, xix, 198.
- Ash as food plant of May-beetles, xxiv, 143.

White—*Continued.*

- or American, Elm, injury to, by Elm Twig-girdler, xxiv, 118-121.
(See also under Elm.)
- grub of Green June Beetle contrasted with larvæ of *Lachnosterna* and *Cyclocephala*, xviii, 144.
- White-grubs, xvii, 30-53; xviii, 4, 5, 50, 52, 53, 54, 58, 109-144; xxi, 56, 163-165; xxii, 146; xxiii, 2, 4, 5, 6, 11, 12, 36, 37, 101, 102, 105, 184, 228.
- and May-beetles, food and feeding habits of, xvii, 41-43; xviii, 109, 114-115; xxi, 165; xxiv, 142.
- injuries to crops by, xxiv, 165-166. See also under White-grubs.
- (*Lachnosterna*), on the life history, habits, and economic relations of the, xxiv, 135-168.
- migration and dispersal of, xxiv, 145-150.
- miscellaneous insect enemies of, xxiv, 160-163. See also White-grubs, diseases and enemies of.
- preventive and remedial measures against, xiii, 145-146; xvii, 52; xviii, 127-132; xx, 34; xxi, 165; xxiv, 166-168.
- principal enemies of, xxiv, 156-160.
- articles on, cited, xxiv, 136, 137.
- as beet insects, xxi, 50, 52, 53, 56.
- as strawberry insects, xiii, 61, 62, 63, 143, 145.
- calendar of, xiii, 179.
- comparative immunity of clover to injury by, xx, 32.
- concerning time to plow ground infested by, xxiv, 165.
- concerted action against, xxiv, 168.
- descriptions of, xvii, 45-46; xviii, 137-139.
- discussion of, cited, xxiii, 69.
- diseases and enemies of, xviii, 127, 133-137; xxiv, 136, 167. See also under White-grubs and May-beetles, and under White-grubs, parasites of.
- economic species of, xxiv, 136.
- experiments with remedies for, xvii, 43-44.
- extent of destruction of, by Common Grub-Wasp, xxiv, 160.
- field observations on, xx, 26-34.
- food preferences of adults of, xviii, 115; xxiv, 142-145.
- hibernation of, xvii, 39, 52.
- infection experiments with, xix, 70, 71, 72, 77, 78, 79, 82.

White-grubs—*Continued.*

- injuries by, xiii, 145; xvii, 41-42; xviii, 109, 111-115; xxi, 164. See also under White-grubs and May-beetles.
- as affected by soil and situation, xx, 32.
- to different crops by, xx, 31, 32.
- larval period of, xviii, 119.
- life cycles of European species of, xxiv, 137.
- life history and habits of, xvii, XV, 31-41, 52; xviii, 115-122; xx, 33; xxi, 164; xxiv, 137-140.
- light-traps for beetles of, xvi, XI.
- locusts' eggs as food of, xviii, 114.
- number of species of, in Illinois, xviii, 110.
- parasites and other natural enemies of, xvii, 44, 52; xviii, 122-127; xix, 79; xxiv, 156-163. See also White-grubs, diseases and enemies of.
- pupation and formation of beetle of, xviii, 120.
- relations of injury by, to agricultural history of land, xx, 31.
- to agricultural management, xxiv, 165.
- to soil and subsoil, manner of collecting data on, xxiv, 164.
- results of experiment with pigs for, xxiv, 166-167.
- rotation of crops for, xx, 34; xxi, 53.
- species of, concerned in Christian county, Ill., outbreak of, xx, 33.
- injurious to Corn in Illinois, xviii, 113.
- summary account of, xiii, 144-145; xviii, 109-110.
- and conclusions concerning, xvii, 51-53.
- (See also under *Lachnosterna* and *Cyclocephala*.)
- White muscardine fungus, xx, 37, 50, 51, 52, 53, 54, 55, 60, 90, 100.
- culture of and infection experiments with, xix, 25. See under *Sporotrichum globuliferum*.
- infesting White Ant, xix, 198.
- number and nature of experiments with, xix, 27.
- of Chinch-bug from economic standpoint, xix, 27-29, 92-96.
- spontaneous outbreak of, xix, 25-27, 29, 100, 135.
- (See also *Sporotrichum globuliferum*.)
- Figweed, xxi, 52.

- White Pigweed—*Continued.*
 as food plant of beet leaf-miners, xxi, 60.
 favorite food of *Sphragisticus nebulosus*, xxi, 94.
 infested by *Emblethis griseus*, xxi, 94.
 Pine Chermes, xx, Appendix.
 injury to, by Pine Bark-louse or White Pine Chermes, xvii, XIII.
 See also xx, Appendix.
 Scale, injury by, xvii, XIII. See also xx, Appendix.
- Whortleberry, High-Bush, as food and breeding plant of Lesser Apple Leaf-roller, xv, 79, 84.
- Wier, D. B., xiii, 116, 122, 130; xv, 68, 69, 70, 76, 77, 84.
- Wilcox, E. V., xviii, 47, 123.
- Wild Black Cherry infested by *Eutettix seminuda*, xxi, 75.
 Buckwheat infested by Chinch-bug, xvi, 50.
 refused by Chinch-bug in confinement, xvi, 56.
- Cherry as food plant of Leaf-crumpler, xv, 69, 73.
 injury to, by Canker-worm, xxii, 144.
 by Common Willow-slug, xiv, 117.
 leaves mined by Apple *Ornix*, xv, 52, 53.
 by *Lithocolletis cratægella*, xv, 52.
- Crab-apple as food plant of Leaf-crumpler, xv, 73.
Paria aterrima and *P. sexnotata* abundant on, xiii, 161, 169.
- Cucumber infested by *Acanthocerus galeator*, xxi, 97.
 by Soft Maple Bark-louse, xiv, 104.
- Grape infested by *Empoasca mali*, xxi, 78.
 injured by Grape Leaf-mite, xiv, 86.
 by species of *Typhlocyba*, xxi, 79.
- Indigo injured by Common Gray blister-beetle, xxi, 139.
- Plum as food plant of Leaf-crumpler, xv, 73.
- Rose as breeding plant of Lesser Apple Leaf-roller, xv, 81.
- Sensitive-pea, eggs of Imbricated Snout-beetle on, xxi, 144.
- Service-berry infested by Beet *Aphis*, xxi, 159.
- Sunflower as food plant of Beet Army-worm, xxi, 150.
 of Margined Blister-beetle, xxi, 141.
- Wild Sunflower—*Continued.*
 leaf structures of, as food of *Lixus concavus*, xvi, 76.
 verbenas infested by Smartweed Flea-beetle, xxi, 119.
 Yarrow infested by Beet *Aphis*, xxi, 159.
- Willet, J. E., xix, 22.
 Williams, A., xiv, 83.
 Williams, T. A., xxi, 81, 83; xxiii, 210.
 Williston, S. W., xiv, 65; xvii, 44.
- Willow as food plant of Horned Spanworm, xiii, 79.
 of May-beetles, xviii, 114; xxiv, 143, 144.
 of San Jose Scale, xx, 1.
 of Smeared Dagger, xiii, 82.
 of Sulphur Leaf-roller, xxiii, 174.
 of Zebra-caterpillar, xxi, 153.
- beetle, Spotted, xxiii, 187, 231.
 blossoms, and blossoms and leaves of other plants, as food of *Colaspis brunnea*, xiii, 169; xxi, 125.
 denuded by Spotted Willow-beetle, xxiii, 187.
 eggs of meadow grasshoppers between scales of cone-galls of, xxiii, 148.
 infested by *Apatela oblinita*, xiv, 117.
 by *Cicadula 6-notata*, xxi, 77.
 by *Empoasca obtusa*, xxi, 78.
 by *Orgyia leucostigma*, xiv, 117.
 by *Phepsius irroratus*, xxi, 76.
 by Stalk-borer, xxiii, 46.
 by Tussock-moth, xxii, 102.
 injured by *Crepidodera helxines*, xiv, 117.
 by Smartweed Caterpillar, xxiii, 170.
- Plagiodera lapponica* on, xiv, 117.
 saw-flies, xiv, 100-102.
 false charge against, xiv, 100, 101.
- slug, Common, injury to Wild Cherry by, xiv, 117.
 subject to injury by Cottony Maple Scale, xxiv, 103.
- Sulphur Leaf-roller bred from (xiv, 20), and found in cecidomyiid galls on same, xxiii, 174.
- Winslow, F. C., xxii, 139, 140.
- Wireworm, Corn, xviii, 21, 42-44, 55.
 Wheat, xviii, 8, 29, 36-39, 54. See also *Agriotes mancus*.
- Wireworms, xiii, 62, 143; xiv, 17; Misc. Ess., 17-19, 95, 127; xvii, XV; xviii, 3, 4, 5, 7, 52, 54, 58, 147; xxi, 161-163, 164; xxii, 146; xxiii, 2, 4, 5, 7, 11, 12, 186, 228, 229.
 as beet insects, xxi, 50, 52, 53, 56.
 as strawberry insects, xiii, 143.
 correct procedure in replanting Corn on account of injury by, Misc. Ess., 17; xviii, 48.

Wireworms—*Continued.*

- determination of life history and spp. of, affecting Corn in Illinois, Misc. Ess., 17.
 discussions of, cited, xiii, 143; xxiii, 69.
 experiments with insecticides for, Misc. Ess., 18.
 generic synopsis of, xviii, 31-32.
 injuries by, Misc. Ess., 19; xviii, 8, 21, 28, 29; xxi, 162.
 life history of, Misc. Ess., 17; xviii, 30; xxi, 162-163.
 natural enemies of, xviii, 47.
 preventive and remedial measures against, xviii, 48-51; xxi, 163.
- Wistaria, Cottony Maple Scale on, xxiv, 103.
frutescens, *Lerema accius* recorded from, xxiii, 166.
- W-marked Cutworm, Misc. Ess., 68; xvi, 85-86; xxiii, 31-32, 232.
- Wood Thrush as enemy of wireworms, xviii, 47.
 June-beetles eaten by, xviii, 123.
- Woodpecker as enemy of Fruit-Bark-beetle, xvii, 4.
 June-beetles eaten by, xviii, 123.
- Woods, Chas. D., xxi, 57.
- Woodworth, C. W., xviii, 161; xxii, 31, 32, 67.
- Woodworth, H. O., xx, v.
- Woolly Aphis, xvii, XIII; xxii, 99, 100, 103, 104, 106-107.
 destruction of, xxii, 107.
 distribution of, xxii, 107.
 eggs of, xxii, 99.
 gasoline blast-lamp used against, xxiv, 51.
 identification of injury by, in winter, xxii, 104.
 injury to Apple by, xxii, 99, 106.
 protection against, xxii, 107.
 reproduction and spread of, xxii, 106.
- Bear pupæ, infection experiment with, xix, 80.
- Beard-grass, *Lerema accius* recorded from, xxiii, 166.
- bears, xxiii, 70-77, 230.
 as beet insects, xxi, 50.
 general discussion of three species of, xxi, 156-158.
 gasoline blast-lamp used against, xxiv, 51.
- Grass Root-louse, xviii, 53, 104-106.

X

- Xabea, xxiii, 213, 216.
bipunctata, xxiii, 219.

- Xanthium strumarium* as food plant of Garden Web-worm, xxiii, 90.
 infested by Sorghum Mealy Bug, xviii, 107.
- xanthographus*, *Naupactus*, xvii, 81.
xanthomelæna, *Disonycha*, xxi, 114, 116, 117.
- Xiphidium, xxi, 136.
brevipenne, xxiii, 147-148.
fasciatum, xxiii, 147-148.
 general description of two species of, xxi, 131.
nemorale, xxi, 131 (Errata), 136; xxiii, 147-148.
strictum, xxi, 131, 136; xxiii, 147-148.
- Xyleborus pyri, xvii, 2.
- Xylopinus saperdoides infested by *Sporotrichum globuliferum*, xix, 26 (Errata).

Y

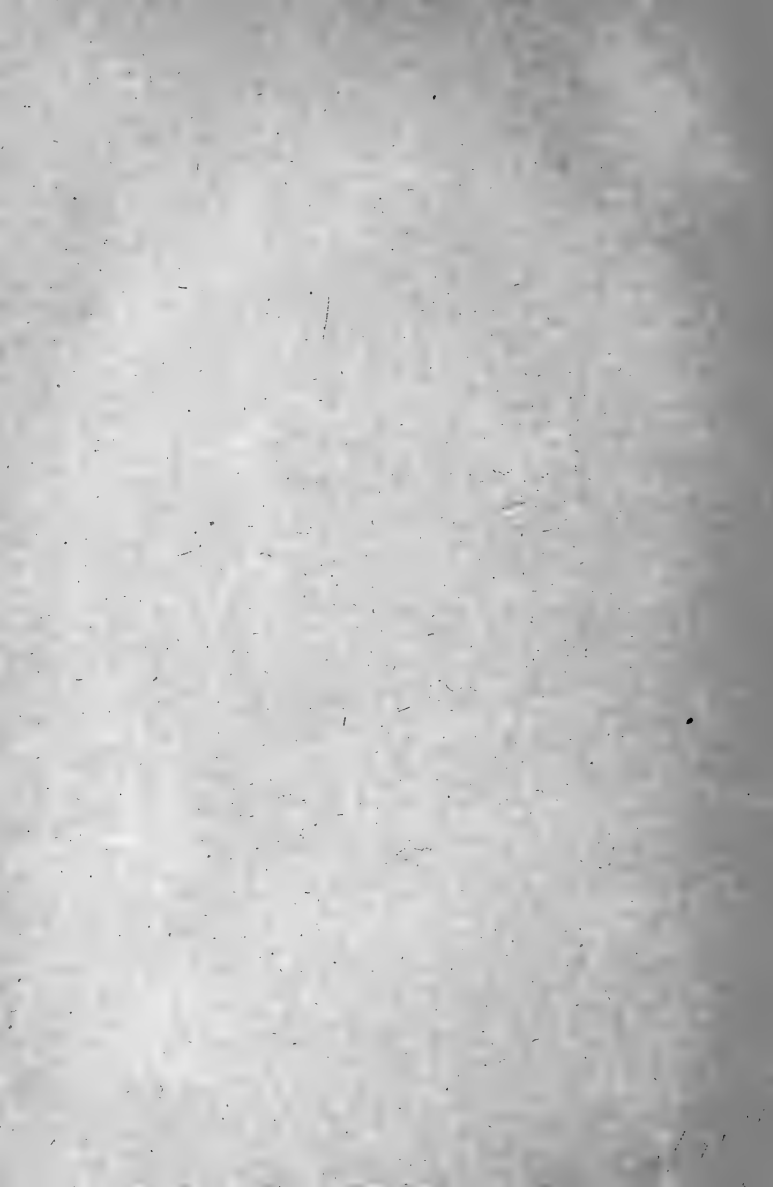
- Yarrow, Wild, infested by Beet Aphis, xxi, 159.
- Yellow Ant, Small, xiii, 60, 61, 112-113.
 See under Ant, Small Yellow.
- Bear, Misc. Ess., 60; xxi, 146, 156-158; xxiii, 72, 226, 230.
- Black Flea-beetle, xxi, 114, 116 (Errata, 175).
- Cranberry-worm, xv, 78. See also Apple Leaf-roller, Lesser.
- Grasshopper, xxi, 130, 131.
- headed Cutworm, Misc. Ess., 74; xvi, 97; xxiii, 21, 231.
- Sorghum Plant-louse, xiii, 53; xxiii, 210-211. See *Chaitophorus flavus*.
- striped Flea-beetle, xiii, 62.
 calendar of, xiii, 179.
 (See Flea-beetle, Broad-striped, and Pale-striped.)
- Thistle as natural food plant of *Lep-toglossus phyllopus*, xxiii, 197.
- ypsilon, *Agrotis*, Misc. Ess., 71; xvi, 85; xxi, 102, 104; xxiii, 17, 21.
- Biston, xiv, 95.

Z

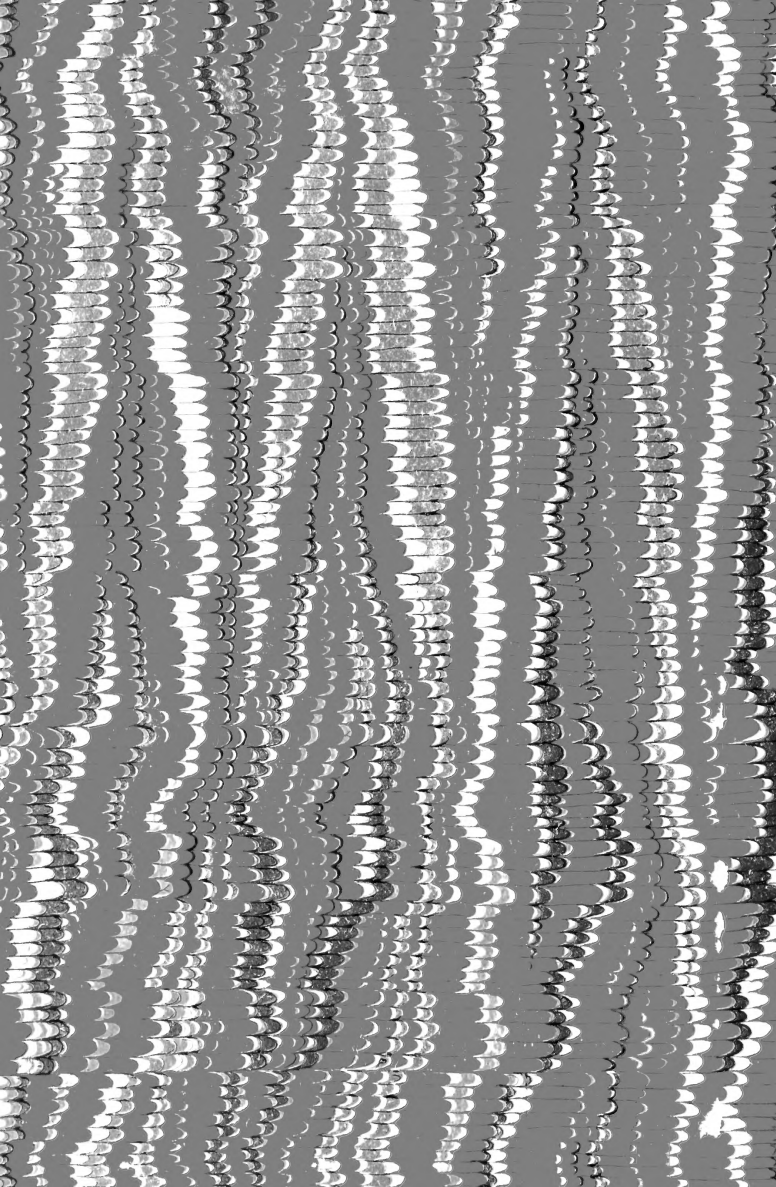
- zæ, *Achatodes*, Misc. Ess., 78; xxiii, 7, 10, 85.
- Anthomyia*, Misc., Ess., 91; xviii, 8, 16 (Errata); xxiii, 70.
- Ephestia*, Misc. Ess., 91.
- Sphenophorus*, xvi, 61, 62.
- zeas, *Anthomyia*, xviii, 17.
- Zebra-caterpillar, xxi, 51, 146, 153-154; xxiii, 171, 227.
- zellus, *Crambus*, xiv, 12; Misc. Ess., 87; xvi, IX; xxiii, 38, 42, 153, 155.
- Zeller, P. C., xv, 65.











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