

STATE OF NEW YORK

DEPARTMENT OF AGRICULTURE

TWENTY-THIRD ANNUAL REPORT

OF THE

Department of Agriculture

For the Year Ending September 30, 1915

PART I

TRANSMITTED TO THE LEGISLATURE JANUARY 15, 1916

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STATE OF NEW YORK

No. 21

IN SENATE

JANUARY 15, 1916.

TWENTY-THIRD ANNUAL REPORT

OF THE

DEPARTMENT OF AGRICULTURE

PART I

To the Honorable the Legislature of the State of New York:

Pursuant to the provisions of the Agricultural Law, I herewith submit this, Part I of the Twenty-third Annual Report of the Department of Agriculture of the State of New York, for the year ending September 30, 1915.

CHARLES S. WILSON

Commissioner of Agriculture.

January 15, 1916.

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REPORT

INTRODUCTION

RECORD OF WORK

The work of the Department for the fiscal year was continued under the direction of Commissioner Huson from October 1, 1914, to April 5, 1915, at which time the present Commissioner of Agriculture assumed duty.

During the year, the efficiency of the Department in enforcing the provisions of the Agricultural Law has greatly increased. Not only has the number of cases of violations reported been greater for the latter six months, but the number per agent has materially increased, indicating a progressive activity on the part of the men in the field.

Notwithstanding this increase in work done, it has been possible to decrease the running expenses of the Department, due to a reorganization of the employees and a centralization of the work of the agents, as well as to a reduction in the force. Re-adjustment of the work has made it possible to dispense with the services of fifty-four employees without handicap to the operations of the Department. Of this number thirty-five were so-called laborers, dispensed with at the request of the Civil Service Commission.

FOOT-AND-MOUTH DISEASE

At the time the present Commissioner took up the work of the Department, the epidemic of foot-and-mouth disease in this State was at about its height — perhaps waning a little — and the attention of the veterinarians of the State was directed almost wholly to the eradication of this dreaded disease, which threatened to wipe out a large percentage of our cattle, as well as other animals

susceptible to the disease. As a result of their earnest work and vigilant care, together with rigid quarantine regulations, we have succeeded, it would seem, in freeing the State of this ravaging disease. The last two cases reported to the Department were at Hornell, Steuben County, August 5, and at Rexville, Steuben County, August 10, since which time no evidence of the disease has been found in any section of the State.

REDISTRICTING THE STATE

After the course of a few months it was evident to the present Commissioner that the districts, into which the State is divided as a working basis, could be rearranged so as to make the work in the field more efficient, as well as more thorough. As a result, the State was redivided into six instead of five divisions. Under the old regime, the divisions were as follows:

DISTRICT No. 1: Albany, Schoharie, Rensselaer, Otsego, Delaware, Greene, Columbia, Sullivan, Ulster, Dutchess, Orange, Rockland, Putnam, Montgomery, Schenectady, Fulton, Saratoga, Washington, Warren, Essex.

DISTRICT No. 2: New York, Richmond, Kings, Queens, Nassau, Suffolk, Westchester.

DISTRICT No. 3: Oneida, Herkimer, Oswego, Lewis, Hamilton, Jefferson, St. Lawrence, Franklin, Clinton.

DISTRICT No. 4: Chemung, Genesee, Livingston, Schuyler, Steuben, Wyoming, Cayuga, Monroe, Ontario, Seneca, Wayne, Yates, Erie, Niagara, Orleans, Allegany, Cattaraugus, Chautauqua.

DISTRICT No. 5: Broome, Chenango, Cortland, Madison, Onondaga, Tioga, Tompkins.

The following arrangement is now in effect:

DISTRICT No. 1: Albany, Schoharie, Rensselaer, Otsego, Delaware, Greene, Columbia, Sullivan, Ulster, Dutchess, Orange, Rockland, Putnam, Montgomery, Schenectady, Fulton, Saratoga, Washington, Warren, Essex.

DISTRICT No. 2: New York, Bronx, Richmond, Kings, Queens, Nassau, Suffolk, Westchester.

DISTRICT No. 3: Oneida, Herkimer, Oswego, Lewis, Hamilton, Jefferson, St. Lawrence, Franklin, Clinton.

DISTRICT No. 4: Cortland, Tompkins, Chenango, Tioga, Broome, Seneca, Cayuga, Onondaga, Madison.

DISTRICT No. 5: Monroe, Wayne, Livingston, Ontario, Yates, Steuben, Schuyler, Chemung.

DISTRICT No. 6: Erie, Niagara, Orleans, Genesee, Wyoming, Chautauqua, Cattaraugus, Allegany.

WORK AT COUNTY AND TOWN FAIRS

Prominent among the features emphasized this past year has been the work done by the Department at the county and town fairs. On July 17, 1915, the following circular letter was sent out by the Department:

TO OFFICERS OF COUNTY AND TOWN AGRICULTURAL SOCIETIES:

It is deemed expedient for this department to keep in closer touch with the work of county and town fairs in so far as it affects the distribution of state money, and to have a complete record of such activities. To aid in doing this, I hereby request that a complete list of the judges appointed by your association for all classes for which state money is appropriated, be forwarded to me at least ten days before the opening day of your fair.

I trust that you will realize the importance of this matter and give it your prompt attention at the proper time.

Very truly yours,

(Signed) CHARLES S. WILSON,
Commissioner.

The fair associations were very prompt in complying with this request and in giving the Department every assistance possible.

The attention of the fair associations was also directed to the provisions of the Agricultural Law in relation to gambling and shows. They were notified that no leniency would be shown to violators, and that such would immediately forfeit their right to receive State money. The following letter setting forth these facts was sent to the fair associations on July 17, 1915:

TO OFFICERS OF COUNTY AND TOWN AGRICULTURAL SOCIETIES:

Your attention is hereby called to certain provisions of the Agricultural Law in relation to the management of county and town fairs.

With reference to gambling, the Law provides that any agricultural society, agricultural club, or agricultural exposition which "shall knowingly permit the use of any gambling device, device, instrument or contrivance in the operation of which bets are laid or wagers made, wheel of fortune, or the playing or carrying on of any game of chance, upon the grounds used by it for, or during, an annual meeting, fair or exhibition," shall forfeit its rights to any moneys it would be entitled to under Article V of the Agricultural Law.

Under this provision of the Law, games in which skill alone enters will not deprive an association of its right to receive state aid. Games which are purely gambling, as well as those in which skill and gambling are involved, will deprive an association of such aid. Any element of gambling whatever places a game or device in the latter class. If the association is in doubt as to whether or not a certain game is a gamble, the Department will be glad to give an opinion thereon, upon request.

The Law also provides that any agricultural society, club or exposition which shall "knowingly permit any immoral, lewd, obscene or indecent show or exhibition" shall also forfeit its right to moneys it might be entitled to under the provisions of Article V of the Agricultural Law.

It is my duty, as Commissioner of Agriculture, to enforce rigidly these provisions of the Agricultural Law, and to carry out the letter of the law in relation thereto. No leniency will be shown to violators.

The Department found it necessary to make strict regulations as to the exhibits of cattle, sheep, and swine at the fairs this past fall, in order to avoid the dangers of the further spread of foot-and-mouth disease in the State. A thorough examination of all such animals, by a competent veterinarian, was required before they were permitted to enter the fairground; and certain conditions had to be complied with as to their stabling and care while at the fair.

The response from the fair associations in regard to all these matters was very encouraging. All expressed a willingness and desire to co-operate with the Department in carrying out the requirements of law and such regulations as were deemed requisite. Without exception, the fairs were conducted in a very commendable manner, and to their credit may be said that at the end of the fair season not a single protest or criticism had been made to the Department, either by an individual or by the New York Civic League.

It is the opinion of the present Commissioner that in the future more attention should be directed toward the work of the fair organizations, in order that the Department may feel assured that the \$250,000 appropriated is used for the purposes designed as set forth in the Agricultural Law: "For the promotion of agriculture and domestic arts, promotion of education along agricultural lines, and for the promotion of the improvement in the breeding of cattle, sheep, horses and other domestic animals."

PERIOD COVERED BY REPORT

This report covers work done by the Department for the fiscal year ending September 30, 1915, with the exception of that performed under the provisions of Article 7 of the Agricultural Law,

pertaining to the sale and analysis of commercial feeding stuffs; article 9, pertaining to the sale and analysis of commercial fertilizers; and article 14, relating to horticultural inspection and diseases of bees. In these instances the report is given for the calendar year for various reasons. In the case of feeding stuffs and fertilizer work the Law provides that license certificates be issued for the calendar year; thus, the report, in order to be useful and comprehensive, must cover that period. As regards the horticultural inspection work, this of necessity commences in the spring of the year and does not end until the winter months set in. The report is made accordingly. For the same reason the work relative to diseases among bees is given for the calendar year.

ORGANIZATION AND FINANCES

The appropriations made by the Legislature for the maintenance of this Department for the fiscal year ending September 30, 1915, added to the balance on hand available for the work of the year, amounted to \$1,639,255.54. Of this amount \$250,000 was for distribution to agricultural societies in payment of premiums for promotion of agricultural production; \$280,306.25 for glanders indemnities; \$152,416.50 for tuberculosis indemnities; \$25,000 interest on tuberculosis and glanders claims from March 10, 1914; \$300,000 for foot-and-mouth indemnities and expenses, leaving a balance for the direct purposes of the Department of \$507,658.76. Of this amount \$1,994.69 lapsed on official and graded employees' salaries, leaving an available balance of \$505,664.07.

The expenditures of moneys during the year, including the distribution to agricultural societies, indemnities — glanders and tuberculosis claims and interest thereon, and foot-and-mouth indemnities and expenses — and the general expenses of the Department are as follows:

Official Salaries	\$21,999.99
Chemists' Salaries	15,492.36
Graded Employees	224,665.32
Agricultural Information	1,999.84
Bureau of Statistics	5,440.18
Butter Substitutes	7,425.92
Chemical Apparatus	2,994.95
Fertilizers and Feeding Stuffs	7,003.83
Commissioner's Expenses	2,000.00
Credit Union	12,399.36
Dairy Products	18,616.55
Diseases of Animals	53,350.95
Suppression of Insect Pests	46,968.89
Expenses of Litigation	218.19
Expenses	43,422.52
Eradication of Brown-Tail Moth	1,472.46
Farm Bureaus	20,783.47
Farmers' Institutes	31,865.79

Almshouse Farms, etc.	\$150.00
Insect Pests, Foot-and-Mouth	24,883.64
Farm Labor	2,354.93
Furniture, Repairs, etc.	2,673.84
Foot-and-Mouth Indemnities and Expenses.	252,865.90
Nursery and Bee Inspection.	26,853.90
Printing	8,308.70
Pure Food	10,000.00
Postage	8,000.00
Seeds	95.51
Glanders Indemnities	280,293.63
Tuberculosis Indemnities	152,412.20
Interest on Indemnities	7,796.74
Agricultural Resources	2,207.01
Agricultural Societies	250,000.00
Trees, Shrubs, etc.	2,217.12
Farm Lands	34.94
Total	\$1,548,283.22

Moneys have been received in the Bureau of Accounts for the fiscal year ending September 30, 1915, as follows:

Meats, Hides, etc.	\$53,910.94
Release of Dogs	700.00
Commission Merchants' License Fees.	5,210.00
Milk Dealers' License Fees.	1,070.00
"Apples of New York"	828.14
Registration Fees	2.00
Total	\$61,721.08

The above moneys have been transmitted to the State Treasurer each month before the 5th of the month, and there are on file in the Bureau of Accounts receipts covering the amounts stated above.

BUREAUS

The bureaus in the Department are as follows:

Legal Bureau.

Bureau of Accounts.

Bureau of Dairy Products, Foods, etc.

Bureau of Veterinary Service.

Bureau of Horticulture and Nursery Inspection.

Bureau of Farm Lands and Statistics.

Bureau of Farmers' Institutes.
Bureau of State Institution Farms.
Bureau of Licenses.

EMPLOYEES

The personnel of the force during the year has been as follows:

CALVIN J. HUSON, Commissioner, until April 4, 1915.

On February 27, 1915, Calvin J. Huson, Commissioner of Agriculture, sent his resignation to Governor Whitman effective March 1, or as soon thereafter as his successor should qualify. Mr. Huson served until April 4, 1915, inclusive, when he accepted the position of State Fair Commissioner.

CHARLES S. WILSON, Commissioner, from April 5, 1915.

On March 29, 1915, Governor Whitman sent the name of Charles S. Wilson to the Senate for the position of Commissioner of Agriculture. The appointment was confirmed, and on April 5 Professor Wilson took the oath of office and assumed the duties of Commissioner of Agriculture.

Harry E. Cole, Deputy, Albany office
Harry B. Winters, Deputy, Albany office
Clarence A. Phelan, Deputy, New York office, to July 15th, 1915.
John J. Coughlin, Deputy, Buffalo office
George L. Flanders, Counsel

BUREAU OFFICERS

George G. Atwood, Chief, Bureau of Horticulture
B. D. Van Buren, Assistant Chief, Bureau of Horticulture
Elizabeth A. Dowd, Chief of Accounts
Charles W. Larmon, Chief of the Bureau of Farm Lands and Statistics
John T. Norton, Chief of the Bureau of Butter Substitutes
Edward van Alstyne, Director of Farmers' Institutes
John G. Wills, Chief Veterinarian
Charles Linch, First Assistant Veterinarian
Edward J. Wheeler, Chief Chemist
Edward P. McKeefe, Chemist in charge of New York laboratory
John A. Miller, Chemist in charge of Buffalo laboratory
Ward B. White, Chemist in charge of Ithaca laboratory
Marc W. Cole, Superintendent, Bureau of Cooperation, to July 1st, 1915
William R. P. Malony, Superintendent, Bureau of Licenses
Edward F. Burke, Agent in charge of the Bureau of Dairy Products

Henry H. Kracke, Agent in charge of New York Office, from July 15th, 1915
C. E. Sackett, Agent in charge of Utica office
John W. Illston, Agent in charge of Cortland office
James D. Edwards, Inspector of Farms

OFFICE FORCE

Agents: John L. Ackley, Will H. Allen, Harry C. Allen, A. W. Baker, Walter J. Bennett, J. H. Bevier,* W. C. Bronson, Franklin C. Carr, L. Z. Carpenter, Ernest H. Chapman, Archibald D. Clark, Michael F. Clifford, Claudius C. Cole, John Dempsey, John W. Dickson, Richard Doersam, Edward D. Downey, Michael Dugan, James J. Dunne, C. A. Dyer, Judd M. Esmay, Wentworth L. Fay, Samuel Fox, Daniel Franklin, D. O. Franklin, Henry D. French, Romaine A. French, Abraham A. Gardner, William J. Gentes, Fred M. Greene, Frederick J. Hayes, William L. Hogue, O. S. Hurst, William J. Hurd, Frank A. Jones, T. W. Jones, John E. Kruse, James H. Meehan, Andrew J. Miller, W. Franklin Moore, E. T. Mulligan, Abraham Norris, W. H. O'Kane, Burton M. Orton, Clayton R. Owens, W. O. Parkinson, Frederick Primeau, John J. Reagan, W. N. Richardson, Walter F. Ripley, Marvin S. Rivenburg, Charles A. Roberts, Charles J. Robinson, Theodore M. Sowards, William L. Schofield, A. Warren Smith, T. J. Smith, Geo. W. V. Spellacy, G. H. Spencer, Clayton J. Standart, T. Hugh Staplin, John Toomey, Ira Travis, Nicholas Van Horne, Wilson N. Vrooman, C. B. Wakefield, Patrick Walsh, A. D. Warren, Frank Whelan.

Confidential Agents: Ross Huson, Thomas E. Tiquin.

Special Agent: Frank D. Ward.

Supervisory Agent: Merton Reynolds.

Veterinary Agent: Michael Quigley.

Appraisers: Daniel Cruice, Edward P. Kirby, F. K. Roberts, Fred D. Tuthill.

Assistant in the Bureau of Statistics: Julius Moldenhawer.

Bookkeepers: A. J. Penny; C. J. Robinson to March 1st, 1915.

Bee Inspectors: Mortimer Stevens, Charles Stewart, N. D. West, Wheeler D. Wright.

Butter Instructor: Leon D. Spink.

Cheese Instructors: Clayton Dutton, John L. Gibby, A. B. Hargrave, R. R. Kirkland, Horace A. Rees, W. D. Wilmot.

Chemists: James T. Cusick, Edmund Fales, Charles W. Mudge, William E. Popkin, Joseph Schroff, Jay C. Willson.

Editorial Clerk: Katherine M. Cosgrave.

Confidential Clerks: Hiram Ballard, to April 1st, 1915; (Stephen C. Fisher from June 1st, 1915).

Proofreader: Edith Van Wagner.

Clerks: C. B. Degenaar, E. A. Doty, Edward R. Greenway, Philip W. Hausmann, Caroline F. Husted, Emma C. Meyer, George H. Quay, Mabel C. Stackhouse, May M. Stafford.

Filing Clerk: Katherine F. McCall.

Index Clerks: Anna M. Mackey, Eleanor D. Van Vranken.

Special Detectives: John Birmingham, Hugh Connolly. Frank Langon, James Minott,* Edward Scharff.

Detectives: T. A. Matthews, Raymond Smith.

Chief Dairy Inspector: Horatio S. Smith, to May 15th, 1915.

Inspectors: Joseph B. Achilles, Bernard R. Blanch, Arthur B. Buchholz, M. F. Burke, Charles H. Darrow, Joseph H. Dodge, Perley M. Eastman, Thomas Enright, W. B. Freer, L. C. Griffith, Matthew M. Kennedy, W. S. King, E. L. Maguire, John A. Maney, Nathaniel M. Mathews, Albert Moore, Thomas T. Neill, Henry W. Niles, T. Frank Niles, Eugene O'Brien, Louis D. Rhind, Frank J. Sloan, Irving D. Smith, Leon Spooner, Leon F. Strickland, Jay Thomson, K. C. Thomson, Lucius L. Woodford, C. H. Zimmer.

Veal Inspectors: A. D. Anker, W. H. Dickman, William H. Kauth, William Lutz.

Bacteriologist: Clarence W. Hallihan, to June 1st, 1915.

Interpreter: Jacobus A. N. DeL. K. van Folker.

Plant Pathologist: Harold C. Sands.

MISCELLANEOUS

Cashier: Robert S. Woodburn.

Counsel to the Bureau of Licenses: Warren C. Neu.

Special Investigator, Bureau of Licenses: Isador Wolff.

Special Oleo Inspector: Alfred May.

Telephone Operator: Winifred V. McCormack.

Chauffeur: Fred C. Batt.

Library Assistant: Lulu J. Saxton.

Typewriter Copyists: Fredericka Atwood, Kathryn F. Cantwell, Mary H. Gannon, Laura B. Whitney.

Page: George Vosburgh.

Organizers of Cooperative Bureaus: John E. Kraft, Remus E. Lasher, John H. Rogers.

*Deceased.

Lecturer, Cooperative Associations: Walter Durack.

Stenographers: Walter M. Bates, Alice M. Carey, F. J. Claffey, E. Mae Couse, M. J. Craig, Ralph T. Crocco, Anna V. DeRusso, J. E. Dickerson, Mil-lard Frink, Kathryn E. Gregg, Robert S. Hack, Jonathan T. Harris, Abraham L. Jordan, H. W. Leversee, Charles A. Lewis, Mary J. McAuley, Mary E. Mc-Auliffe, William F. McDonough, Marjorie L. McMahon, Henry J. Mather, Edward B. Nellis, Elizabeth Schmidt, Elizabeth M. Vrooman, Robert R. Webster, Millicent M. Wheat, A. E. Rantz.

Consulting Veterinarian: John F. DeVine.

Veterinarians: E. B. Ackerman, Charles R. Baldwin, H. S. Beebe, William R. Blair, Henry Cady, George R. Chase, John T. Claris, William L. Clark, Fred E. Cleaver, C. H. Doepel, John Drew, Harry Frederick, Walter E. Frink, Walter Fritz, Harry D. Gill, Melancthon Hamilton, Frederick W. Hunt, W. L. Johnson, Louis Juliand, Richard H. Kingston, John B. Knapp, Frank J. Loomis, Lewis S. Matthews, Howard J. Milks, C. J. Mulvey, John McCartney, John A. McNamara, Leon L. Parker, Christian G. Rohrer, Clarence E. Shaw, F. G. Shepard, William B. Smith, Albert N. Towner, Robert H. Twitty, E. L. Volgenau, W. J. Wadsworth, Philip V. Weaver.

Laborers: B. F. Barford, James J. Bennett, Geo. W. Blodgett, Jr., Daniel E. Buckley, Samuel A. Cohen, Jacob Collman, Charles J. Cromwell, James Cunningham, John Cunningham, John Cummings, Lawrence Curtin, Floyd Dempsey, Thomas A. Durkin, Isaac B. Fleming, Rocco M. Fischette, Garrett A. Fitzgerald, James Flynn, Frank M. Fowler, Breslau Friss, John Gartner, Andrew H. Gleason, Michael J. Gleason, Leon Gotthelf, Frank X. Grady, Joseph Guinan, Earl W. Hiser, L. F. Hichman, Frank D. Horgan, R. S. Hull, Charles T. Hurley, James Kelly, Henry Lang, Louis Keyes, William LeClair, Clarence P. Leuthe, J. H. McDonald, Leo M. McKenna, Isydor Mazurowski, Charles A. McManus, Arthur Marrone, W. H. Meara, John Meier, M. J. Moriarty, William Morrissey, John Murtaugh, Richard W. Murtaugh, Henry Newhouse, Thomas H. Nolan, John D. Oakley, Jr., Thomas O'Brien, Albert Ochs, James M. O'Hara, Thomas Osborn, Benjamin F. Paddock, William Panitz, Angelio Polito, Henry Prinz, John Quilty, Thomas Richford, Robert Robinson, Walter Shuttleworth, Henry L. Slaght, Leon Stand, Samuel Thomson, John Tobin, Joseph H. Vickers, William J. Voorhis, Jr., K. T. Wende, Garrett F. Wheaton, Robert Woodburn.

During the year it was necessary to employ temporary help from time to time as follows:

Veterinarians: F. J. Baker, A. W. Baker, H. W. Boyd, R. C. Bauman, J. L. Carolan, M. D. Dair, A. L. Danforth, M. Danziger, E. D. Dooling, M. J. Doyle, H. W. Eggleston, J. S. Elliott, F. F. Fehl, Clifford P. Fitch, A. C. Grace, John Curran, W. S. Gleason, John Greer, E. J. Gregory, C. R. Guile, W. G. Hollingsworth, C. J. Hoyt, A. H. Ide, Ralph Jenks, J. F. Kane, W. H. Kelley, R. F. Knight, H. W. Kornobis, F. C. Krowl, Morton Lown, Bruce Mackay, J. A. McCrank, E. J. McLeod, H. D. Martin, J. R. Moore, J. R. Morse, W. E. Mul-

doon, P. K. Nichols, W. J. Payne, E. F. Painton, James Pendergast, Walter Pendergast, C. A. Roig, R. J. Schreiber, A. L. Smith, W. J. Smith, F. D. Smith, C. J. Spencer, Eugene Sullivan, G. G. Stevens, F. H. Sutterly, J. H. Taylor, R. Van Orman, E. F. Voorhis, J. W. Walker, H. S. Wende, Webber Bros., G. W. Wheeler, J. L. Wilder, J. H. Young.

Laborers: Fred Bosworth, Hugh Cole, William F. Hadley, J. M. Hallock, Charles M. Kafka, Willard M. Parsons, Martin J. VanBuren.

Stenographers: Katherine M. Adler, J. T. Kane.

Clerk: Edna F. Babcock.

Filer of Records: Esther Manning.

Cheese Instructor: W. W. Fisk.

Special Agent: Frank Mitchell.

Inspector of Almshouse Farms: Frank E. Rupert.

Interpreter: Severin Peterson.

Compiler of Statistics: Mrs. Hannah Sanford.

The following employees were granted a leave of absence during the year:

Webster E. Griffith
Louis J. Hirshleifer
William J. O'Brien
Kent C. Thomson

The following employees resigned:

Fred C. Batt
George W. Blodgett, Jr.
Harry E. Cole
L. C. Griffith
Fred Marshall
J. H. Power
A. E. Rantz
Elizabeth Walters
K. T. Wende

The services of the following employees were dispensed with:

Special Detectives: John Birmingham, Hugh Connolly, Frank Langdon
Inspectors: Michael F. Burke, Thomas Enright

Veal Inspectors: A. D. Anker, W. H. Dickman, William H. Kauth, William Lutz

Superintendent of Cooperative Associations: Marc W. Cole

Consulting Veterinarian: John F. DeVine

Confidential Agent: Ross Huson

Agents: Thomas W. Jones, Edward Mulligan, John Toomey, Frank Whelan

Detective: Thomas A. Matthews

Special Oleo Investigator: Alfred May

Deputy: Clarence A. Phelan

Chief Dairy Inspector: Horatio S. Smith

Laborers: B. F. Barford, James J. Bennett, Daniel E. Buckley, Samuel A. Cohen, Jacob Collman, Charles J. Cromwell, James Cunningham, John Cunningham, John Cummings, Lawrence Curtin, Floyd Dempsey, Thomas A. Durkin, Isaac B. Fleming, R. M. Fischette, Garrett A. Fitzgerald, James Flynn, Frank M. Fowler, John Gartner, Andrew H. Gleason, Michael J. Gleason, Leon Gotthelf, Frank X. Grady, Joseph Guinan, L. F. Hiehman, Frank D. Horgan, R. S. Hull, Charles T. Hurley, James Kelly, Henry Lang, Clarence P. Leuthe, J. H. McDonald, Leon M. McKenna, Isydor Mazurowski, Charles A. McManus, Arthur Marrone, John Meier, M. J. Moriarty, William Morrissey, John Murtaugh, Richard W. Murtaugh, Thomas H. Nolan, John D. Oakley, Jr., Thomas O'Brien, Albert Ochs, Thomas Osborn, William Panitz, Henry Prinz, John Quilty, Thomas Richford, Robert Robinson, Walter Shuttleworth, Harry L. Slaght, Leon Stand, John Tobin, Joseph H. Vickers, William J. Voorhis, Jr.

The following is a statement of the apportionment of the moneys appropriated by chapter 726 of the Laws of 1915. "For apportionment to agricultural fairs under the provisions of section three hundred ten, chapter nine, laws of nineteen hundred nine, being the Agricultural Law, two hundred fifty thousand dollars (\$250,000) or so much thereof as may be necessary."

TREASURER	SOCIETY	AMOUNT
George S. Vroman.....	Albany County Agricultural Society & Exposition	\$2,723.46
Thomas S. Gillies.....	Allegany County Agricultural Society.	1,650.31
H. C. Morgan.....	Cuba Fair & Racing Association.....	3,616.60
Riley Allen.....	Wellsville Fair Association.....	2,075.30
David L. Maxfield.....	Broome County Argicultural Society..	3,186.55
E. M. White.....	Binghamton Industrial Exposition....	4,000.00
C. L. McLouth.....	Cattaraugus County Agricultural Society	3,323.00
N. V. V. Franchot.....	Olean Agricultural & Industrial Association	1,712.58
C. M. Rathbun.....	Cayuga County Agricultural Society.	4,000.00
E. L. Colvin.....	Chautauqua County Agricultural Corporation	1,422.08
E. G. Crowell.....	Chemung County Agricultural Society	3,145.23
George A. Crane.....	Chenango County Agricultural Society	4,000.00

TREASURER	SOCIETY	AMOUNT
P. S. Krum.....	Afton Driving Park & Agricultural Association	\$2,946.84
H. R. Rogers.....	Riverside Agricultural Society.....	2,597.34
W. L. Pattisson.....	Clinton County Agricultural Society..	2,564.52
Samuel Kaufman.....	Columbia County Agricultural Society	3,267.35
C. F. Brown.....	Cortland County Agricultural Society.	4,000.00
Russell Archibald.....	Delaware County Agricultural Society	1,342.46
Harry J. Miller.....	Catskill Mt. Agricultural Society....	1,338.58
S. H. Osterhout.....	Delaware Valley Agricultural Society.	3,380.39
Vance C. Roberts.....	Dutchess County Agricultural Society	4,000.00
Jacob Houck.....	Erie County Agricultural Society.....	4,000 00
H. H. Winslow.....	Essex County Agricultural Society....	776.49
Thomas Adams.....	Franklin County Agricultural Society	2,318.07
C. W. Buckholts.....	Genesee County Agricultural Society..	4,000.00
H. S. Olmsted.....	Greene County Agricultural Society..	2,775.56
W. H. Barry.....	Herkimer County Agricultural Society	1,983.68
E. C. Maxson.....	Jefferson County Agricultural Society.	3,866.23
Arthur C. Gardner.....	Cape Vincent Agricultural Society....	3,873.86
W. J. Stoddard.....	Lewis County Agricultural Society...	1,712.58
W. L. Short.....	Hemlock Lake Union Agricultural Society	2,600.98
A. C. Miller.....	Brookfield-Madison County Agricultural Society	1,005.99
J. C. Stillman.....	Four County Fair Association.....	3,293.07
Fred B. Richards.....	Monroe County Agricultural Society..	4,000.00
Charles H. Wiltsie.....	Rochester Industrial Exposition.....	4,000.00
A. Z. Wemple.....	Montgomery County Agricultural Society	3,742.23
James Y. Watkins.....	American Institute, City of New York.	977.86
John R. Earl.....	Niagara County Agricultural Society..	3,904.82
J. A. Ott.....	Oneida County Agricultural Society..	4,000.00
Charles J. Lewis.....	Boonville Fair Association.....	2,924.98
Milton A. Smith.....	Ontario County Agricultural Society..	3,541.43
Albert Middaugh.....	Gorham Agricultural Society.....	1,210.18
W. J. Doughty.....	Naples Union Agricultural Society....	1,836.08
Henry M. Howell.....	Orange County Agricultural Society..	4,000.00
Warren S. Danolds.....	Orleans County Agricultural Society..	2,678.14
W. H. Merrian.....	Oswego County Agricultural Society..	2,219.79
B. D. Jones.....	Sandy Creek, Richland, Orwell & Boylston Agricultural Society....	1,175.67
Owen G. Clark.....	Otsego County Agricultural Society...	3,131.34
Merton R. Porter.....	Morris Fair Association.....	2,978.52
Henry M. Bard.....	Oneonta Union Agricultural Society..	4,000.00
Albert W. Kayner.....	Richfield Springs Agricultural Society	1,580.82
E. J. Goddard.....	Schenevus Valley Agricultural Society	1,380.14
Thomas H. Bacon.....	Agricultural Society, Queens and Nassau Counties	4,000.00
William Bolton.....	Rensselaer County Agricultural & Horticultural Society	3,504.24

TREASURER	SOCIETY	AMOUNT
E. S. Comstock.....	Agricultural & Liberal Arts Society, Rensselaer County	\$2,432.15
W. E. Corne.....	Rockland County Agricultural & Hor- ticultural Association	3,971.12
Rockland County Trust Co., assigned account of..	Rockland County Industrial Associa- tion	2,388.95
C. F. Clark.....	St. Lawrence Co. Agricultural Society..	2,370.13
R. P. Johnston.....	Oswegatchie Agricultural Society.....	4,000.00
George E. Pike.....	Gouverneur Agricultural & Mechanical Society	2,790.04
Frank L. Cubley.....	Racquette Valley & St. Regis Valley Agricultural Society	3,413.28
Walter I. Cavert.....	Saratoga County Agricultural Society	3,138.41
Arthur Sholtes.....	Schoharie County Agricultural Society	1,382.55
A. C. Kilmer.....	Cobleskill Agricultural Society.....	3,163.44
E. H. Bissell.....	Schuyler County Agricultural Society	2,316.89
William K. Denniston.....	Seneca County Agricultural Society..	2,545.53
James Faucett, Jr.....	Steuben County Agricultural Society .	2,932.75
Charles Adsit.....	Hornellsville Fair	3,612.84
Will Tew.....	Southern Steuben Agricultural Society	336.02
John L. Havens.....	Suffolk County Agricultural Society..	4,000.00
Fred Carlisle.....	Sullivan County Agricultural Society..	1,815.01
A. W. Bunzey.....	Tioga County Agricultural Society....	4,000.00
Frank R. Keith.....	Northern Tioga Agricultural Society..	3,098.79
H. H. Wing.....	Tompkins County Agricultural & Hor- ticultural Society	4,000.00
A. C. Scott.....	Dryden Agricultural Society.....	3,140.61
Roscoe D. Sears.....	Union Agricultural & Horticultural Society of Ulysses, Covert & Hector..	3,448.02
W. Kelly Shook.....	Ulster County Agricultural Society...	3,682.90
Louis E. Reoux.....	The Warren County Fair.....	1,507.12
A. R. Wing.....	Washington County Agricultural So- ciety	3,759.34
Henry A. Qua.....	Cambridge Valley Agricultural Society & Stock Breeders' Association.....	3,970.30
W. H. Kelley.....	Newark Fair Association.....	1,574.98
Harry G. Chapman.....	Palmyra Union Agricultural Society..	2,543.16
James Dunne.....	Westchester County Agricultural & Horticultural Society, Inc.....	1,991.44
The County Trust Co., as- signed account of.....	White Plains Agricultural Fair and Westchester County Horse Show....	4,000.00
Frank Salisbury.....	Wyoming County Agricultural Society	2,707.33
R. H. Cone.....	Silver Lake Agricultural & Mechanical Association	1,611.00
Guy S. Coats.....	Yates County Agricultural Society....	2,241.31
Charles J. Watson.....	Dundee Fair Association.....	2,829.25

 \$250,000.00

REPORT OF LEGAL BUREAU

By GEORGE L. FLANDERS, *Counsel*

For the fiscal year ending September 30, 1914, there was received by the State in penalties, fines, and forfeitures on account of violations of the Agricultural Law, \$47,062.66. There were referred to the Attorney General 1,437 cases, as follows:

Milk	668	}	ARTICLE III
Condensed milk	2		
Butter	16		
Wrongful use of milk bottles	1		
Oleomargarine	63		
Cream	15		
Smetney	1		
Cheese	6	}	
Coloring matter	1		
Vinegar	116		ARTICLE IV
Bob veal	152	}	ARTICLE V
Rabies quarantine	29		
Illegal disposal of reactor	1		
Tuberculin test	1		
Feeding stuffs	128		ARTICLE VII
Pure food	113		ARTICLE VIII
Fertilizers	38		ARTICLE IX
Turpentine	28	}	ARTICLE X
Linseed oil	9		
Evaporated apples	1		ARTICLE XI
Nursery stock	8	}	ARTICLE XIV
Maple sugar	24		
Maple syrup	1		
Honey	2		
Agricultural seed	13		ARTICLE XV

For the fiscal year ending September 30, 1915, there was received by the State in penalties, fines, and forfeitures on account of violations of the Agricultural Law, \$51,985.34. There were referred to the Attorney General 1,781 cases, as follows:

Milk	515	} ARTICLE III
Cream	14	
Wrongful use of milk bottles	24	
Failure to procure milk license	1	
Cheese	46	
Renovated butter	41	
Oleomargarine	44	
Condensed milk	1	
Skin milk	1	
Unsanitary milk	2	
License	3	}
Malted milk	1	
Vinegar	219	ARTICLE IV
Bob veal	160	} ARTICLE V
Rabies quarantine	33	
Tuberculin test	2	
False certificate	1	
Tuberculin quarantine	1	
Foot-and-Mouth Disease quarantine	6	}
Glanders quarantine	1	
Feeding stuffs	144	ARTICLE VII
Pure food	370	ARTICLE VIII
Fertilizers	39	ARTICLE IX
Turpentine	13	} ARTICLE X
Linseed oil	8	
Misbranded apples	64	ARTICLE XI
Action on bonds	5	} ARTICLE XII-A
Commission license	3	
Maple sugar	2	} ARTICLE XIV
Nursery stock	1	
Agricultural seed	19	ARTICLE XV

The following is a statement in detail of the cases by number, date, and subject referred to the Attorney General during the fiscal year ending September 30, 1915, for his consideration and such action as the facts warranted.

Milk	515	} ARTICLE III
Cream	14	
Wrongful Use of Milk Bottles	24	
Failure to Procure Milk License	1	
Cheese	46	
Renovated Butter	41	
Oleomargarine	44	
Condensed Milk	1	
Skim Milk	1	
Unsanitary Milk	2	
License	3	}
Malted Milk	1	

Vinegar	219	ARTICLE IV
Bob Veal	160	
Rabies Quarantine	33	ARTICLE V
Tuberculin test	2	
False certificate	1	
Tuberculin quarantine	1	
Foot-and-Mouth Disease quarantine	6	
Glanders quarantine	1	
Feeding stuffs	144	ARTICLE VII
Pure food	370	ARTICLE VIII
Fertilizers	39	ARTICLE IX
Turpentine	13	ARTICLE X
Linseed oil	8	
Misbranded apples	64	ARTICLE XI
Action on bonds	5	ARTICLE XII-A
Commission license	3	
Maple sugar	2	ARTICLE XIV
Nursery stock	1	
Agricultural seed	19	ARTICLE XV

Cases referred to the Attorney General during the fiscal year 1914-1915. 1781.

Penalties received during fiscal year 1914-1915 \$51,985.34.

DATE REFERRED TO ATTORNEY GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1914 October				Penalty	Costs
9295	1	Milk	A-7708	New York	\$50	.....
9296	1	Milk	A-4237	Erie	50	.....
9297	1	Bob Veal	1333-1336 1337-1338 1345-1346	Oneida .....	.....	.....
9298	1	Rabies Quarantine		Warren	Discontinued	
9299	1	Rabies Quarantine		Warren	Discontinued	
9300	1	Rabies Quarantine		Warren .....	.....	.....
9301	1	Rabies Quarantine		Warren	Discontinued	
9302	1	Fertilizers	4043	Livingston	50	.....
9303	1	Feeding Stuffs	5791	Onondaga .....	.....	.....
9304	2	Milk	A-8976	Otsego	50	.....
9305	2	Milk	A-9174	Dutchess	50	.....
9306	2	Milk	A-7606	New York	50	.....
9307	2	Milk	A-1936	Schoharie	50	.....
9308	2	Boiled Linseed Oil	M-883	Saratoga	Discontinued	
9309	2	Boiled Linseed Oil	A-2097	Schoharie	Discontinued	
9310	3	Milk	A-7751	New York	50	.....
9311	3	Milk	A-6081	Queens	50	.....
9312	3	Milk	A-3657	Monroe	50	.....
9313	3	Rabies Quarantine		Genesee .....	.....	.....
9314	5	Raw Linseed Oil	N-2554	Broome	100	.....
9315	5	Milk	A-4210	Erie	50	.....
9316	5	Milk	A-7276	Rockland	50	.....
9317	6	Milk	A-7610	New York	50	.....
9318	6	Milk	A-4226	Niagara .....	.....	.....
9319	6	Milk	A-4222	Erie	50	.....
9320	6	Feeding Stuffs	5495	Erle	Discontinued	
9321	6	Cider Vinegar	M-1004	Ulster .....	.....	.....
9322	6	Vinegar	N-4501	New York	Discontinued	
9323	6	Vinegar	N-4511	Westchester	Discontinued	
9324	8	Milk	A-6369	New York	50	.....
9325	8	Milk	A-7457	Kings	50	.....
9326	8	Milk	A-9401	Albany .....	.....	.....
9327	8	Rabies Quarantine		Broome .....	.....	.....

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1914						Penalty				Costs	
October												
9328	8	Feeding Stuffs.....	6166	Columbia			\$50					
9329	8	Milk	19456	Broome			50					
9330	9	Milk	19455	Broome			50					
9331	9	Milk	A-7726	New York			50					
9332	9	Maple Syrup.....	A-3629	New York			50	\$5.00				
9333	9	Maple Syrup.....	A-3643	New York			50	5.00				
9334	10	Rabies Quarantine....		Warren			Discontinued					
9335	10	Milk	A-9010	Sullivan			50					
9336	13	Milk	A-8930	Jefferson			50					
9337	13	Milk	A-12502	Essex			50					
9338	13	Oleomargarine	M-1402	New York			50					
9339	14	Milk	A-9412	Rensselaer			50					
9340	14	Milk	A-8625	Onondaga			50					
9341	14	Milk	A-8258	Chemung			50					
9342	14	Milk	A-5224	Orleans			50					
9343	14	Rabies Quarantine....		Warren			Discontinued					
9344	14	Rabies Quarantine....		Warren			Discontinued					
9345	14	Flavoring Powder.....	M-4070	New York.....			64.41					
								Judgment Pltff				
								May 10, 1915.				
								Deft. appealed				
								May 18, 1915.				
9346	10	Bob Veal.....	1471	Oneida			5					
9347	13	Bob Veal.....	2022-2023-2025	Rensselaer			10					
9348	15	Bob Veal.....	1759	Clinton			5					
9349	15	Bob Veal.....	1024-1028	Jefferson			10					
9350	15	Milk	A-7481	Kings			50					
9351	15	Milk	18398	Oswego			50					
9352	15	Milk	18399	Oswego			50					
9353	15	Milk	A-8630	Onondaga			50					
9354	15	Milk	A-8627	Onondaga			50					
9355	15	Lard	N-4454	Kings			50					
9356	16	Vinegar	N-4065	New York.....			50					
9357	16	Milk	18391	Oswego			50					
9358	16	Milk	A-4243	Erie			50					
9359	16	Milk	A-1063	Tioga			50					
9360	17	Milk	A-8921	Jefferson			Discontinued					
9361	19	Bob Veal.....	2584-2585	Orange			15					
9362	19	Vinegar					Judgt. Pltff.					
								107.50				
9363	19	Milk	A-543	Cattaraugus								
9364	19	Spirits of Turpentine.	A-917	Onondaga			Discontinued					
9365	20	Milk	A-6662	Kings			57.50					
								Judgt. Pltff.				
9366	20	Milk	A-7705	New York.....			50					
9367	20	Condensed Milk.....	M-4271	New York.....			Discontinued					
9368	20	Milk	A-6658	Kings								
9369	20	Milk	A-6655	Kings			10 a-c					
9370	20	Milk	A-6774	Kings			50					
9371	20	Milk	A-7676	New York.....			50					
9372	20	Milk	A-6264	New York.....			50					
9373	20	Milk	A-7513	Kings			50					
9374	20	Milk	A-9016	Sullivan			50					
9375	20	Milk	8126	Oneida			50					
9376	20	Vinegar	M-4554	Westchester								
9377	20	Vinegar	N-4147	New York.....			50					
9378	20	Vinegar	M-4124	New York.....			50					
9379	20	Vinegar	N-4118	New York.....			Discontinued					
9380	20	Cider Vinegar.....	N-811	Warren								
9381	20	Bob Veal.....	2597	Montgomery								
9382	21	Bob Veal.....	2040	Albany			5					
9383	21	Rabies Quarantine....		Warren								
9384	21	Cider Vinegar.....	M-1359	Jefferson			50					
9385	21	Milk	A-8927	Jefferson			50					
9386	21	Milk	A-8243	Wyoming			50					
9387	21	Milk	A-8237	Livingston			50					
9388	21	Milk	A-1996	Cortland			50					
9389	21	Milk	A-1066	Tioga			50					
9390	21	Milk	19232	Madison			50					
								19231				
9391	21	Milk	A-634	Cattaraugus			50					
9392	21	Milk	A-7492	Kings			50					
								A-7493				
9393	21	Milk	A-7667	New York.....			50					

DATE REFERRED TO ATTORNEY CASE GENERAL						RESULTS	
NO.	1914	KIND OF CASE	LABEL NO.	COUNTY		Penalty	Costs
	October						
9394	21	Milk	A-7545	Kings		\$50	.....
9395	21	Milk	A-7544	Kings		50	.....
9396	22	Milk	A-6879	Kings		Discontinued	
9397	22	Milk	A-6856	Kings		50	.....
9398	22	Milk	A-6928	Kings		50	.....
9399	22	Milk	A-7706	New York.....		50	.....
9400	22	Milk	A-7491	Kings		Discontinued	
9401	22	Milk	A-6855	Kings		Discontinued	
9402	22	Milk	A-7518	Kings		50	.....
9403	22	Milk	A-7510	Kings		50	.....
9404	22	Milk	A-2789	New York.....		.....
9405	22	Oleomargarine	A-3508	New York.....		Discontinued	
9406	22	Oleomargarine	M-1451	Westchester .....		.....
9407	22	Milk	A-9402	Albany .....		.....
9408	22	Milk	A-1934	Albany .....		.....
9409	22	Milk	A-9105	Washington		50	.....
9410	22	Milk	A-9184	Columbia		50	.....
9411	22	Milk	A-8628	Oswego		50	.....
9412	22	Milk	A-9180	Dutchess		50	.....
9413	22	Milk	A-8929	Jefferson		50	.....
9414	22	Milk	8238	Genesee		50	.....
9415	22	Milk	A-9662	Monroe		50	.....
9416	22	Lard	M-4018	Kings		50	.....
9417	22	Lard	N-824	Warren		Discontinued	
9418	22	Vanilla	M-4114	New York.....		.....
9419	22	Bob Veal.....	562	Erie		5	.....
9420	23	Bob Veal.....	1705	Clinton		5	.....
9421	23	Vanilla Compound.....	M-4543	Westchester		Discontinued	
9422	23	Milk	A-7456	Kings		50	.....
9423	23	Milk	A-7445	Kings		Discontinued	
9424	23	Milk	A-3596	New York.....		50	.....
9425	23	Milk	A-7724	New York.....		100	.....
			A-7740				
9426	23	Milk	A-5215	Erie		50	.....
9427	23	Oleomargarine	A-1520	New York.....		50	.....
9428	23	Oleomargarine	A-2393	New York.....		Discontinued	
9429	23	Oleomargarine	A-2382	Westchester		Discontinued	
9430	23	Vinegar	M-4766	Queens .....		.....
9431	23	Vinegar	M-4322	New York		50	\$5.00
9432	23	Cider Vinegar.....	N-4257	New York.....		Discontinued	
9433	23	Vinegar	M-4142	New York.....		Discontinued	
9434	23	Vinegar	M-4703	Kings		Discontinued	
9435	23	Vinegar	N-4603	Kings		Discontinued	
9436	23	Vinegar	M-4408	Kings		50	.....
9437	23	Vinegar	M-4537	Westchester		Discontinued	
9438	23	Feeding Stuffs.....	6083	Nassau		50	.....
9439	24	Milk	A-1064	Tioga		50	.....
9440	24	Milk	A-8634	Madison .....		.....
9441	24	Bob Veal.....	351	Otsego .....		.....
9442	24	Bob Veal.....	1962	Oswego		5	.....
9443	24	Bob Veal.....	317 to 332 Inc. 1348-1347	Orange		141.75	.....
						Judgt for Deft.	
9444	26	Bob Veal.....	1013	New York.....		5	.....
9445	26	Cider Vinegar.....	A-3668	New York.....		Discontinued	
9446	26	Vanilla	N-4545	New York.....		Discontinued	
9447	26	Milk	A-7651	New York.....		50	.....
9448	26	Cream	A-7704	New York.....		100	.....
9449	26	Milk	A-3574	New York.....		50	5.00
9450	26	Milk	8127	Oneida		50	.....
9451	27	Fertilizers	5656	Schoharie		50	.....
9452	28	Milk	A-6769	Kings		Discontinued	
9453	30	Milk	A-7743	New York.....		50	.....
9454	30	Milk	A-7333	New York.....		50	.....
9455	30	Milk	A-5219	Niagara		50	.....
9456	30	Milk	A-8244	Wyoming		50	.....
9457	30	Milk	A-8241	Wyoming		50	.....
9458	30	Feeding Stuffs.....	5781	Onondaga		50	.....
9459	31	Milk	A-1062	Tioga		50	.....
9460	31	Cider Vinegar.....	M-1952	Jefferson		50	.....
9461	31	Milk	A-9015	Sullivan		50	.....
9462	31	Lard	N-4021	Kings		Discontinued	
9463	31	Milk	A-3586	New York.....		50	.....
9464	31	Milk	A-7701	New York.....		50	.....
9465	31	Cream	A-8983	Sullivan		50	.....

DATE REFERRED TO ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS			
NO.	1914						<i>Penalty</i>	<i>Costs</i>		
November										
9466	4	Feeding Stuffs.....	6163	Columbia			\$50	.....	
9467	4	Feeding Stuffs.....	6297	Onondaga			50	.....	
9468	4	Milk	A-5214	Niagara			50	.....	
9469	5	Feeding Stuffs.....	6328	Monroe			50	.....	
9470	5	Milk	A-5003	Herkimer			50	.....	
9471	5	Milk	A-9411	Washington			50	.....	
9472	6	Feeding Stuffs.....	5511	Erie			50	.....	
9473	7	Milk	A-6804	Kings			Discontinued			
9474	7	Milk	A-9363	Orange			50	\$27.00		
			A-9364							
9475	7	Milk	17136-10550	Oswego .....			.....	.....
9476	7	Milk	A-9306	St. Lawrence....			50	.....	
9477	9	Milk	A-9366	Orange .....			.....	.....
9478	10	Milk	A-12503	Essex			50	.....	
9479	10	Milk	A-2366	St. Lawrence....			50	.....	
9480	10	Vinegar	N-4303	New York.....			Discontinued			
9481	10	Feeding Stuffs.....	7715	Orange			50	.....	
9482	10	Feeding Stuffs.....	6325	Monroe			50	.....	
9483	11	Vinegar	M-4519	Westchester			50	.....	
9484	11	Milk	A-8928	Jefferson			50	.....	
9485	12	Milk	18387	Onondaga .....			.....	.....
9486	12	Milk	A-9132	Columbia .....			.....	.....
9487	12	Milk	A-7669	New York.....			Judgt.-Deft.			
9488	13	Milk	A-6670	Kings			50	.....	
9489	13	Milk	20126	Jefferson .....			.....	.....
9490	13	Feeding Stuffs.....	5711	Oneida			Discontinued			
9491	14	Feeding Stuffs.....	5795	Tompkins			Discontinued			
9492	14	Vinegar	N-4127	New York.....			Discontinued			
9493	16	Milk	A-6360	New York.....			50	.....	
9494	16	Milk	A-7343	New York.....			50	.....	
9495	16	Milk	A-7346	New York.....			50	.....	
9496	16	Milk	A-7734	New York.....			50	.....	
9497	16	Milk	A-6377	New York.....			50	.....	
9498	16	Milk	A-7495	Kings			Discontinued			
9499	16	Bob Veal.....	2474-2475	Orange			30	.....	
9500	16	Feeding Stuffs.....	6014	Ontario			50	.....	
9501	16	Feeding Stuffs.....	5991	Livingston			50	.....	
9502	16	Misbranded Apples....		Niagara			Discontinued			
9503	16	Misbranded Apples....		Columbia			Discontinued			
9504	17	Misbranded Apples....		Columbia			Discontinued			
9505	18	Oleomargarine	A-1519	New York.....			Discontinued			
9506	19	Milk	17138	Oneida			50	.....	
9507	19	Bob Veal.....	2471-2473	Orange			10	.....	
9508	19	Feeding Stuffs.....	6174	Dutchess			50	.....	
9509	20	Milk	A-8632	Onondaga			50	.....	
9510	20	Milk	A-9410	Albany			50	.....	
9511	19	Rabies Quarantine....		Genesee .....			.....	.....
9512	23	Milk	A-6679	Kings			Discontinued			
9513	24	Milk	A-6767	Kings			50	.....	
9514	25	Feeding Stuffs.....	6998-6997	Onondaga			50	.....	
9515	25	Misbranded Apples....		Monroe			Discontinued			
9516	27	Misbranded Apples....		Wyoming			Discontinued			
9517	27	Misbranded Apples....		Columbia			Discontinued			
9518	27	Milk	A-8629	Onondaga			Discontinued			
9519	27	Milk	A-6651	Kings			107.50	.....	
							Judgt. Pltff.			
9520	27	Milk	A-7501	Kings			50	.....	
9521	27	Milk	18392	Oneida .....			.....	.....
9522	28	Milk	A-4999	Herkimer .....			.....	.....
9523	28	Milk	A-5002	Herkimer			50	.....	
9524	28	Milk	A-8991	Sullivan .....			.....	.....
9525	28	Milk	A-6431	New York.....			Judgt.-Deft.			
							2-13-15, Ap- pealed Mar. 1, 1915.			
9526	28	Milk	A-7741	New York.....			50	5.00		
9527	28	Milk	A-9305	St. Lawrence .....			.....	.....
9528	28	Milk	A-9404	Albany .....			.....	.....
9529	28	Milk	A-5213	Niagara			50	.....	
9530	28	Lard	N-821	Warren .....			.....	.....
9531	28	Feeding Stuffs.....	5624	Rensselaer .....			.....	.....
9532	28	Feeding Stuffs.....	6433	Ulster .....			.....	.....
9533	28	Feeding Stuffs.....	6061	New York.....			50	5.00		

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		NO.		1914		KIND OF CASE		LABEL NO.		COUNTY		RESULTS			
										November											
9534	28	Feeding Stuffs.....	6075	Queens																	
9535	28	Feeding Stuffs.....	6215	Erie																	
9536	28	Feeding Stuffs.....	5477	Erie														Discontinued			
9537	28	Feeding Stuffs.....	5462	Erie														\$50			
9538	28	Feeding Stuffs.....	5479	Erie														Discontinued			
9539	28	Feeding Stuffs.....	6214	Erie																	
9540	30	Feeding Stuffs.....	6231	Erie																	
9541	30	Feeding Stuffs.....	6225	Erie														Discontinued			
9542	30	Feeding Stuffs.....	6224	Erie														Discontinued			
9543	30	Feeding Stuffs.....	5517	Chautauqua														50			
9544	30	Feeding Stuffs.....	6008	Cayuga														Discontinued			
9545	30	Feeding Stuffs.....	6309	Cayuga														Discontinued			
9546	30	Rabies Quarantine....		Warren																	
9547	30	Rabies Quarantine....		Warren																	
9548	30	Vinegar	N-4121	New York.....														Discontinued			
9549	30	Vinegar	M-4135	New York.....														Discontinued			
9550	30	Vinegar	N-4109	New York.....														Discontinued			
9551	30	Milk	A-7339	New York														50	\$5.00		
9552	30	Milk	A-9408	Albany														Discontinued			
9553	30	Milk	8120	Oneida																	
9554	30	Vanilla	M-4110	New York.....																	
9555	30	Compound Vanilla....	M-4127	New York.....														Discontinued			
9556	30	Vanilla	M-4112	New York.....																	
9557	30	Olive Oil.....	N-4713	Kings																	
																				25 a-c 6-2-15	
																				10 judg. col.	
																				a-c 7-12-15	
																				10 a-c	
																				8-14-15.	
9558	30	Misbranded Apples....		Columbia														Discontinued			
9559	30	Misbranded Apples....		Columbia														Discontinued			
9560	30	Misbranded Apples....		Dutchess														Discontinued			
9561	30	Misbranded Apples....		Dutchess														Discontinued			
9562	30	Misbranded Apples....		Dutchess														Discontinued			
December																					
9563	1	Milk	A-912	St. Lawrence....														50			
9564	2	Milk	A-7551	New York.....														50			
9565	2	Cider Vinegar.....	N-4527	Richmond														50			
9566	2	Bob Veal.....	2020	Albany														5			
9567	3	Feeding Stuffs.....	6197	Orange														Discontinued			
9568	4	Feeding Stuffs.....	6044	Erie														50			
9569	4	Milk	8129	Oneida														50			
9570	4	Milk	A-6056	Kings														40			
																				a-c 7-12-15	
																				15 bal	
																				8-2-15	
9571	4	Process Butter.....	M-4464	Queens														50			
9572	4	Vinegar	N-4513	Westchester																	
9573	5	Cider Vinegar.....	N-1127	St. Lawrence ..														50			
9574	5	Cider Vinegar.....	M-2656	Tompkins														Discontinued			
9575	5	Vanilla	M-4118	Westchester																	
9576	7	Feeding Stuffs.....	5521	Cattaraugus														50			
9577	8	Feeding Stuffs.....	6145	Tompkins																	
9578	8	Feeding Stuffs.....	6007	Cayuga																	
9579	8	Fertilizers	5089	Chautauqua														50			
9580	8	Agric. Seed.....	1459	Orange														Discontinued			
9581	8	Milk	A-8132	Cayuga														Discontinued			
9582	8	Cider Vinegar.....	M-2708	Onondaga														50			
9583	9	Vinegar	N-4706	Kings														Discontinued			
9584	9	Vinegar	M-4023	Kings																	
9585	9	Vinegar	N-4013	Kings														50			
9586	9	Vinegar	N-4056	New York.....														Discontinued			
9587	9	Vinegar	N-4425	Queens														Discontinued			
9588	9	Vinegar	N-4107	New York.....														Referred in error			
9589	9	Vinegar	N-4143	New York.....														Discontinued			
9590	9	Vinegar	M-4154	New York.....														Referred in error			
9591	9	Vinegar	N-4411	Kings														Referred in error			
9592	9	Vinegar	M-4256	Kings														Referred in error			
9593	9	Cider Vinegar.....	N-4011	Kings														Referred in error			
9594	9	Vinegar	M-4022	Kings																	

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1914										<i>Penalty</i>	<i>Costs</i>
9662	12	Milk	.....	A-7536	Kings	.....	\$62	.....	Judgt. Plff.	50	\$6.00
9663	12	Milk	.....	A-7766	New York	.....	62	.....	Judgt. Plff.	50	.....
9664	12	Milk	.....	A 6514	Kings	.....	50	.....	Judgt. Plff.	62	.....
9665	12	Milk	.....	A-7490	Queens	.....	50	.....	Judgt. Plff.	62	.....
9666	12	Milk	.....	A-7762	New York	.....	50	.....	Judgt. Plff.	62	.....
9667	12	Milk	.....	A-6053	New York	.....	50	.....	Judgt. Plff.	62	.....
9668	12	Milk	.....	A-7452	Kings	.....	50	.....	Judgt. Plff.	62	.....
9669	12	Milk	.....	A-3576	New York	.....	100	.....	Judgt. Plff.	62	.....
9670	12	Milk	.....	A-3575	New York	.....	50	.....	Judgt. Plff.	62	.....
9671	12	Milk	.....	A-7526	Kings	.....	50	.....	Judgt. Plff.	62	.....
9672	12	Milk	.....	A-7801	Kings	.....	200 a-c See	.....	Case No. 9661	50 Col a-c	.....
9673	12	Milk	.....	A-7735	New York	.....	200 a-c See	.....	Cases held	50	.....
							pending good	.....	behavior.	50	.....
9674	12	Milk	.....	A-9952	Fulton	.....	50	.....	Discontinued	50	.....
9675	12	Oleomargarine	.....	A-2794	Kings	.....	50	.....	Discontinued	50	.....
9676	12	Fertilizers	.....	6406	Delaware	.....	50	.....	Discontinued	50	.....
9677	12	Fertilizers	.....	4767	Wayne	.....	50	.....	Discontinued	50	.....
9678	12	Lard	.....	N-4427	Queens	.....	25 a-c	.....	Discontinued	50	.....
9679	12	Leaf Lard	.....	N-4523	Richmond	.....	Discontinued	.....	Discontinued	50	.....
9680	12	Vinegar	.....	M-4138	New York	.....	Discontinued	.....	Discontinued	50	.....
9681	12	Vinegar	.....	N-4129	New York	.....	Discontinued	.....	Discontinued	50	.....
9682	12	Vinegar	.....	N-4755	New York	.....	Discontinued	.....	Discontinued	50	.....
9683	14	Onion Salad	.....	A-520	Kings	.....	100	.....	Discontinued	50	.....
9684	14	Oleomargarine	.....	A-3255	Kings	.....	50 Judgt Col	.....	Discontinued	50	.....
9685	14	Milk	.....	A-6654	Kings	.....	50	.....	Discontinued	50	.....
9686	14	Agric. Seed	.....	847	Wayne	.....	50	.....	Discontinued	50	.....
9687	14	Agric. Seed	.....	1355	Washington	.....	50	.....	Discontinued	50	.....
9688	14	Agric. Seed	.....	1473	Orange	.....	also Case No.	.....	9692.	50	.....
9689	14	Agric. Seed	.....	1430	Chemung	.....	Discontinued	.....	Discontinued	50	.....
9690	14	Feeding Stuffs	.....	7416	Wyoming	.....	Discontinued	.....	Discontinued	50	.....
9691	14	Bob Veal	.....	1322 to 1325 Incl. 1326, 1327, 1306, 1307, 1308, 1309, 1310	Oneida	.....	.....	.....	Discontinued	50	.....
9692	15	Agric. Seed	.....	1471	Orange	.....	50	.....	Discontinued	50	.....
9693	15	Agric. Seed	.....	861	Dutchess	.....	See Case No.	.....	9683.	50	.....
9694	15	Agric. Seed	.....	1438	Chemung	.....	.....	.....	Discontinued	50	.....
9695	15	Agric. Seed	.....	1015	Monroe	.....	Discontinued	.....	Discontinued	50	.....
9696	15	Agric. Seed	.....	1408	Wayne	.....	Discontinued	.....	Discontinued	50	.....
9697	15	Misbranded Apples	.....		Wayne	.....	Discontinued	.....	Discontinued	50	.....
9698	15	Feeding Stuffs	.....	7001	Madison	.....	Discontinued	.....	Discontinued	50	.....
9699	15	Feeding Stuffs	.....	6232	Erie	.....	Discontinued	.....	Discontinued	50	.....
9700	15	Feeding Stuffs	.....	6930	Dutchess	.....	Discontinued	.....	Discontinued	50	.....
9701	15	Fertilizers	.....	5624	Westchester	.....	Discontinued	.....	Discontinued	50	.....
9702	15	Fertilizers	.....	6035	Monroe	.....	Discontinued	.....	Discontinued	50	.....
9703	15	Vinegar	.....	4703	Kings	.....	Discontinued	.....	Discontinued	50	.....
9704	15	Vinegar	.....	N-4765	Queens	.....	Discontinued	.....	Discontinued	50	.....
9705	15	Cider Vinegar	.....	M-2711	Madison	.....	Discontinued	.....	Discontinued	50	.....
9706	15	Cider Vinegar	.....	M-2566	Broome	.....	Discontinued	.....	Discontinued	50	.....
9707	15	Milk	.....	A-7462	Kings	.....	Discontinued	.....	Discontinued	50	.....
9708	16	Feeding Stuffs	.....	5603	Albany	.....	Discontinued	.....	Discontinued	50	.....
9709	16	Bologna Sausage	.....	N-1178	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9710	16	Rabies Quarantine	.....		Genesee	.....	Discontinued	.....	Discontinued	50	.....
9711	16	Rabies Quarantine	.....		Genesee	.....	Discontinued	.....	Discontinued	50	.....
9712	16	Agric. Seed	.....	1288	Steuben	.....	Discontinued	.....	Discontinued	50	.....
9713	16	Cider Vinegar	.....	N-3165	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9714	16	Cider Vinegar	.....	M-2701	Onondaga	.....	Discontinued	.....	Discontinued	50	.....
9715	16	Cider Vinegar	.....	M-2310	Monroe	.....	Discontinued	.....	Discontinued	50	.....
9716	16	Cider Vinegar	.....	N-1168	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9717	16	Cider Vinegar	.....	N-1120	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9718	16	Cider Vinegar	.....	N-3160	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9719	16	Cider Vinegar	.....	N-3180	St. Lawrence	.....	Discontinued	.....	Discontinued	50	.....
9720	16	Misbranded Apples	.....		Columbia	.....	Discontinued	.....	Discontinued	50	.....

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		NO. 1914		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
													<i>Penalty Costs</i>	
December														
9721	16	Misbranded Apples....		Ulster		Discontinued								
9722	16	Misbranded Apples....		Columbia		Discontinued								
9723	16	Misbranded Apples....		Orange		Discontinued								
9724	16	Misbranded Apples....		Dutchess		Discontinued								
9725	16	Misbranded Apples....		Wyoming		Discontinued								
9726	16	Misbranded Apples....		Orleans		Discontinued								
9727	16	Cider Vinegar.....	M-2562	Tioga		Discontinued								
9728	16	Vinegar	N-4525	New York		\$50								
9729	16	Fertilizers	6043	Livingston		50								
9730	17	Misbranded Apples....		Ulster		Discontinued								
9731	17	Misbranded Apples....		Columbia		Discontinued								
9732	17	Misbranded Apples....		Columbia		Discontinued								
9733	17	Misbranded Apples....		Columbia		Discontinued								
9734	17	Misbranded Apples....		Dutchess		Discontinued								
9735	17	Misbranded Apples....		Columbia		Discontinued								
9736	17	Misbranded Apples....		Columbia		Discontinued								
9737	17	Misbranded Apples....		Wayne		Discontinued								
9738	17	Misbranded Apples....		Orleans		Discontinued								
9739	17	Misbranded Apples....		Orleans		Discontinued								
9740	17	Misbranded Apples....		Orleans		Discontinued								
9741	17	Misbranded Apples....		Orleans		Discontinued								
9742	17	Misbranded Apples....		Orleans		Discontinued								
9743	17	Fertilizer	5923	Erie		50								
9744	17	Fertilizer	5920	Erie		50								
9745	17	Fertilizer	6462	Wyoming		50								
9746	18	Bob Veal.....	2468-1311	Oneida .....		.....						
9747	18	Bob Veal.....	198	Oneida		10								
9748	18	Bob Veal.....	1708, 1334, 1758, 1757	Herkimer .....		.....						
9749	18	Bob Veal.....	1319-1320	Oneida .....		.....						
9750	18	Bob Veal.....	1045	Westchester .....		.....						
9751	18	Bob Veal.....	1030-1032	Westchester .....		.....						
			1031-1033											
9752	18	Bob Veal.....	1001 to 1006 Incl.	Westchester .....		.....						
9753	18	Bob Veal.....	2594, 2595	Washington .....		.....						
9754	18	Bob Veal.....	583-584-585-586	Erie .....		.....						
9755	18	Bob Veal.....	555 to 561 Incl.	Erie .....		.....						
			573 to 577 Incl.											
9756	18	Misbranded Apples....		Columbia		Discontinued								
9757	18	Misbranded Apples....		Dutchess		Discontinued								
9758	21	Bob Veal.....	1303-1304	Broome .....		.....						
9759	21	Bob Veal.....	1344	Oneida .....		.....						
9760	21	Bob Veal.....	1312 to 1316 Incl.	Oneida .....		.....						
9761	21	Bob Veal.....	1341	Oneida .....		.....						
9762	21	Bob Veal.....	1340	Oneida .....		.....						
9763	21	Bob Veal.....	2598	Oneida .....		.....						
9764	21	Pickles	N-3202	St. Lawrence....		50								
9765	22	Milk	A-8932	Jefferson		50								
9766	22	Milk	A-7547	Kings		50								
9767	22	Bob Veal.....	1301	Orange		90a-c this case and Case No. A-103.								
9768	22	Bob Veal.....	2472	Orange		80 \$27.00								
						this case and cases on pages A-87, A-102, A-376.								
9769	22	Bob Veal.....	2477-2478-2479	Orange		70 28.00								
						this case and Cases No. A-80, A-101.								
9770	22	Bob Veal.....	1328 to 1332 Incl.	Oneida		10								
9771	22	Bob Veal.....	591-592-593	Erie .....		.....						
9772	23	Milk	A-6652	Kings		50								
9773	23	Vinegar	N-4130	New York.....		Discontinued								
9774	23	Pickles	N-567	Ulster		Discontinued								
9775	23	Sweet Pickles.....	N-1210	St. Lawrence....		Discontinued								
9776	23	Feeding Stuffs.....	6869	Chenango		50								
9777	23	Feeding Stuffs.....	6317	Monroe		50								
9778	23	Misbranded Apples....		Columbia		Discontinued								
9779	23	Misbranded Apples....		Dutchess		Discontinued								
9780	24	Feeding Stuffs.....	6298	Onondaga		50								

DATE		REFERRED TO		ATTORNEY			
CASE GENERAL							
NO.	1914	KIND OF CASE	LABEL NO.	COUNTY	RESULTS		
	December				<i>Penalty</i>	<i>Costs</i>	
9781	24	Vinegar	N-4539	Richmond	\$50	.....
9782	28	Vinegar	N-4529	Richmond	50	.....
9783	29	Vinegar	N-4112	New York	Discontinued	.....
9784	29	Vinegar	N-4265	New York	Discontinued	.....
9785	29	Vinegar	N-4267	New York	Discontinued	.....
9786	29	Vinegar	N-4260	New York	Discontinued	.....
9787	29	Vinegar	N-4102	New York	Discontinued	.....
9788	29	Vinegar	N-4209	Kings	50	.....
9789	29	Compound Lard	N-4137	New York	Discontinued	.....
9790	29	Milk	A-7517	Kings	50	.....
9791	29	Misbranded Apples		Columbia	Discontinued	.....
9792	29	Misbranded Apples		Niagara	Discontinued	.....
	1915						
	January						
9793	5	Vanilla	M-4457	Kings	Discontinued	.....
9794	5	Milk	A-7525	Kings	Discontinued	.....
9795	6	Pickles	N-618	Orange	Discontinued	.....
9796	6	Bob Veal	2596	Orange	100	\$25.00	
					this case and	case on page	
					A-83.		
9797	8	Milk	A-9359	Orange	77 Jdgt. Plff		
					38.50		
					Jdgt.	Coll.	
9798	8	Fertilizers	5926	Cattaraugus	50	.....
9799	8	Agric. Seed	830	Wayne	50	.....
9800	8	Agric. Seed	1501	Orange .....	.....	.....
9801	9	Pickles	N-556	Orange	50	26.50	
9802	9	Hamburg Steak	N-598	Ulster	50	.....
9803	9	Wrongful Use of Milk					
		Bottles		Erie .....	.....	.....
9804	11	Bologna Sausage	N-1442	Ulster	Discontinued	.....
9805	11	Lard	M-2716	Onondaga	Discontinued	.....
9806	11	Fertilizer	6164	Cortland	50	.....
9807	11	Fertilizers	5793	Oswego	50	.....
9808	11	Feeding Stuffs	7484	Monroe .....	.....	.....
9809	11	Feeding Stuffs	6316	Monroe	Discontinued	.....
9810	12	Feeding Stuffs	6801	Jefferson .....	.....	.....
9811	12	Feeding Stuffs	6458	Otsego	Discontinued	.....
9812	12	Milk	8128	Oneida	50	.....
9813	12	Extract Vanilla	M-2814	Erie .....	.....	.....
9814	12	Turpentine	M-861	Schenectady	Discontinued	.....
9815	13	Luncheon Loaf	N-3172	St. Lawrence	Discontinued	.....
9816	13	Salad Dressing	N-4465	Kings	Discontinued	.....
9817	13	Hamburg Steak	N-3191	St. Lawrence	50	.....
9818	13	Failure to procure					
		Milk License		Kings .....	.....	.....
9819	14	Unlawful Use of Milk					
		Bottles		Erie .....	.....	.....
9820	14	Fertilizers	6048	Livingston	50	.....
9821	15	Fertilizers	4440	Cortland	50	.....
9822	15	Lard	N-4428	Queens .....	.....	.....
9823	15	Lard	N-4602	Kings	Discontinued	.....
9824	15	Lard	A-504	Kings	50	.....
9825	15	Extract of Lemon	M-4550	Westchester	50	.....
					in this case	and Case No.	
					9846.		
9826	15	Lard	M-4434	Kings	100 Jdgt. Plff		
9827	15	Sweet Pickles	N-1146	St. Lawrence	Discontinued	.....
9828	15	Cheese	M-2313	Monroe	50	.....
9829	15	Cider Vinegar	M-2713	Onondaga	Discontinued	.....
9830	15	Agric. Seed	842	Ontario	50	.....
9831	15	Vinegar	M-4213	New York .....	.....	.....
9832	15	Sweet Pickles	N-509	Orange	50	26.00	
9833	15	Sweet Pickles	N-541	Orange .....	.....	.....
9834	15	Lard	N-4766	Queens .....	.....	.....
9835	16	Lemon Extract	A-524	Kings	Discontinued	.....
9836	16	Olive Oil	N-4464	New York	50	.....
9837	16	Extract of Lemon	N-4404	Kings .....	.....	.....
9838	16	Hamburg Steak	N-3189	St. Lawrence	50	.....
9839	16	Feeding Stuffs	6273	Onondaga	50	.....
9840	18	Hamburg Steak	N-1212	St. Lawrence	50	.....
9841	18	Olive Oil	N-4531	Richmond .....	.....	.....
9842	19	Cheese	N-4261	New York	50	.....
9843	19	Cider Vinegar	N-1194	St. Lawrence	50	.....

DATE REFERRED TO ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1915						Penalty	Costs
January								
9844	19	Hamburg Steak.....	N-1434	Ulster			\$50	.....
9845	19	Compound	M-4462	Kings			Discontinued	
9846	19	Meat	M-4551	Westchester			50	.....
9847	19	Olive Oil.....	N-4134	New York.....			10	.....
							Judgt col. on	
							account.	
9848	19	Olive Oil.....	N-4069	New York.....			Discontinued	
9849	19	Feeding Stuffs.....	5606	Albany			50	.....
9850	19	Unlawful Use of Milk Bottles		Monroe .....			.....	.....
9851	19	Misbranded Apples....		Niagara			Discontinued	
9852	19	Misbranded Apples....		Greene			Discontinued	
9853	20	Feeding Stuffs.....	6810	Jefferson			50	.....
9854	20	Weiner Sausage.....	N-2813	Erie			50	.....
9855	21	Cheese	M-3498	New York.....			50	.....
9856	21	Milk Bottles.....		Erie			50	.....
9857	21	Vinegar	N-4213	Kings			Discontinued	
9858	22	Hamburg Steak.....	N-892	Orange			Discontinued	
9859	22	Ham Sausage.....	N-2811	Erie			50	.....
9860	22	Milk Bottles.....		Monroe			50	.....
9861	22	Cider Vinegar.....	M-4818	Dutchess			Discontinued	
9862	23	Weiner Sausage.....	N-2806	Erie			50	.....
9863	23	Lard Compound.....	N-1464	Ulster			Discontinued	
9864	23	Compound Lard.....	M-1166	St. Lawrence....			Discontinued	
9865	23	Feeding Stuffs.....	5579, 5577	New York.....			Discontinued	
9866	25	Turpentine	M-2455	Wayne			100	.....
9867	25	Store Cheese.....	N-4253	Bronx			50	.....
9868	25	Sausage	M-4521	Westchester			50	.....
9869	25	Frankfurt Sausage....	N-599	Ulster			50	.....
9870	26	Compound	M-4609	Kings .....			.....	.....
9871	26	Process Butter.....	M-4469	Kings			50	.....
9872	26	Process Butter.....	M-4544	New York.....			50	.....
9873	26	Vinegar	N-4414	Kings			Discontinued	
9874	26	Vinegar	N-4106	New York.....			Discontinued	
9875	26	Feeding Stuffs.....	7466	Genesee			Discontinued	
9876	27	Vinegar	A-3998	New York.....			115 Jdgt. Plif.	
9877	27	Vinegar	N-4263	New York.....			107.50	.....
9878	27	Cider Vinegar.....	N-17	Rensselaer .....			.....	.....
9879	27	Cider Vinegar.....	M-3127	Saratoga			Discontinued	
9880	27	Cider Vinegar.....	N-15	Rensselaer			Discontinued	
9881	27	Vanilla Flavor.....	N-2852	Erie .....			.....	.....
9882	27	Spts. of Turpentine....	M-862	Schenectady			Discontinued	
9883	27	Feeding Stuffs.....	7256	Chautauqua .....			.....	.....
9884	28	Bologna Sausage.....	N-2824	Niagara			50	.....
9885	30	Vanilla Flavor.....	M-2864	Niagara .....			.....	.....
9886	30	Lemon Extract.....	N-4518	Rockland			Discontinued	
9887	30	Lemon Extract.....	A-5705	New York.....			50	.....
9888	30	Cheese	M-4307	New York.....			50	.....
February								
9889	1	Pork Sausage.....	N-3142	Rensselaer			50	.....
9890	1	Bob Veal.....	2244-2245-2250 2249-2251-2252 2253-2254-2255	Orange .....			.....	\$20.00
9891	1	Vinegar	N-4541	Richmond .....			.....	.....
9892	1	Process Butter.....	M-4327	New York.....			50	.....
9893	1	Vanilla	M-4107	New York.....			.....	.....
9894	1	Boiled Linseed Oil.....	A-907	Madison			Discontinued	
9895	1	Cream Cheese.....	1901	St. Lawrence....			.....	.....
9896	2	Silver Dragee.....	N-532	Orange .....			.....	.....
9897	2	Chopped Beef.....	N-4305	New York.....			.....	.....
9898	2	Bologna Sausage.....	N-2822	Niagara .....			.....	.....
9899	2	Good Old Cheese.....	M-1902	St. Lawrence....			.....	.....
9900	2	Fertilizers	4807	Dutchess			Discontinued	
9901	2	Feeding Stuffs.....	6021	Monroe			50	.....
9902	3	Milk	18388	Oswego .....			.....	.....
9903	3	Rice	N-1132	St. Lawrence....			Discontinued	
9904	4	Process Butter.....	M-4546	Westchester .....			.....	.....
9905	4	Mustard	M-4065	New York.....			.....	.....
9906	4	Veal Loaf.....	N-1243	St. Lawrence....			Discontinued	
		Beef Loaf.....	N-1244					
9907	4	Frankfurt	M-4547	Westchester			50	.....
		Liver Pudding	M-4549					
9908	4	Bologna	M-4548	Westchester			50	.....
							In this case	
							and case No.	
							9907.	

DATE		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
REFERRED TO					Penalty	Costs
ATTORNEY						
CASE GENERAL						
NO.	1915					
February						
9975	19	Cherry Syrup.....	M-4404	Kings		
9976	19	Cream Cheese.....	M-4131	New York	\$50	
9977	19	Cider Vinegar.....	A-3978	New York	Discontinued	
9978	20	Evaporated Peaches...	N-1211	St. Lawrence	Discontinued	
9979	23	Lemon Extract.....	N-4532	Richmond	30 a-c	
9980	23	Lard	M-4712	Kings		
9981	23	Frankfurt Sausage....	N-1179	St. Lawrence	Discontinued	
9982	24	Bob Veal.....	1389-1390- 1391-1392	Orange	20	
9983	25	Bob Veal.....	1793-1795	Rensselaer	10	
9984	25	Bob Veal.....	1380-1386	Orange	10	
9985	25	Strawberry Extract....	N-4533	Richmond	50	
9986	25	Crown Onion Salad....	O-58	Albany	50	
9987	25	Fertilizer	4943	Steuben	50	
9988	26	Frankfurt Sausage....	N-1402	Ulster	50	
9989	26	Bologna Sausage.....	N-1493	Ulster	50	
9990	26	Bob Veal.....	370	Madison	5	
9991	26	Milk	A-8636	Onondaga	50	
9992	26	Strawberry Syrup.....	M-4402	Kings	Discontinued	
9993	27	Strawberry Syrup.....	M-4401	Kings		
9994	27	Strawberry Syrup.....	M-4405	Kings		
9995	27	Cheese	M-4293	Bronx		
March						
9996	1	Milk	A-1065	Tioga	50	
9997	1	Milk	A-8200	Genesee	50	
9998	1	Syrup	N-1547	Ulster	50	
9999	2	Substitute Turpentine.	N-4560	New York		
10000	2	Milk	A-1997	Madison	50	
A-1	2	Skim Milk.....	M-2506	Broome	50	
			M-2505			
A-2	3	Milk	14901	Madison	50	
A-3	4	Milk	A-2523	Ulster	50	
A-4	4	Milk	A-6787	Kings	100	
A-5	4	Milk	A-7883	New York	100	
A-6	4	Action on Bond.....		New York		
A-7	5	Milk	A-12507	Rensselaer	50	
A-8	5	Milk	18394	Oswego	50	
A-9	5	Milk	A-9196	Putnam	50	
A-10	5	Milk	A-9368	Orange	50	
A-11	6	Milk	A-1248	Erie	50	
A-12	6	Milk	17139	Herkimer	50	
A-13	6	Milk	A-7781	New York	50	
A-14	6	Milk	A-9670	Monroe	50	
A-15	6	Meat	M-4102	New York	50	
A-16	6	Hamburg Steak.....	N-1404-N-1401	Ulster	Discontinued	
A-17	9	Bob Veal.....	2218-2223-1349 1350-1351	Orange	120	
					paid in this case and cases No. 9915 and A-123.	
A-18	9	Milk	17135	Oneida	50	
A-19	9	Milk	A-10308	Kings	16 a-c	
A-20	9	Milk	A-10272	New York		
A-21	9	Milk	17137	Oneida		
A-22	9	Milk	8122	Oswego		
A-23	9	Turpentine	N-4329	New York	100	
A-24	9	Linseed Oil.....	N-4683	New York		
A-25	9	Turpentine	N-4346	New York		
A-26	10	Turpentine	N-4328	New York		
A-27	10	Milk	A-7829	Kings	50	
A-28	10	Milk	A-7828	Kings	50	
A-29	10	Milk	A-7567	New York		
A-30	10	Milk	A-6719	New York		
A-31	10	Milk	A-7787	New York	Discontinued	
A-32	10	Milk	A-7789-A-7790	New York	200	
A-33	10	Milk	A-10105	New York	50	
A-34	10	Milk	A-8037	Onondaga	50	
A-35	10	Cheese	N-545	Orange		
A-36	10	Delico	M-4024	Kings	Discontinued	
A-37	10	Apricots	M-4553	Westchester		
A-38	10	Lemon Extract.....	N-4536	New York	Discontinued	
A-39	10	Action on Bond.....		New York		
A-40	11	Cream	A-4052	Chautauqua	Discontinued	
A-41	11	Bob Veal.....	2467-2469-2470	Orange	30	
A-42	12	Bologna Sausage....	N-1416	Ulster	Discontinued	

DATE REFERRED TO ATTORNEY						RESULTS	
CASE GENERAL	NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs
		March					
A-43	13		Violation of Quarantine		Westchester .....	.....	.....
A-44	13		Violation of Article 12-A		New York .....	.....	.....
A-45	15		Bob Veal	1745	Albany	\$5	.....
A-46	15		Bob Veal	1790, 1791	Rensselaer .....	.....	.....
A-47	15		Violation of Section 55		Kings .....	.....	.....
A-48	16		Crescent Lemon Flavor	N-543	Orange .....	.....	.....
A-49	16		Milk	A-9192	Columbia .....	.....	.....
A-50	16		Bob Veal	2243	Schenectady .....	.....	.....
A-51	16		Sauce	M-4707	New York	Discontinued	.....
A-52	16		Cheese	N-972	Orange	50	.....
A-53	17		Wrongful Use of Milk Bottles		Monroe .....	.....	.....
A-54	17		Wrongful Use of Milk Bottles		Monroe .....	.....	.....
A-55	17		Violation of Article 12-a		New York .....	.....	.....
A-56	17		Jaburg Bros. Special	N-4255	New York	100	.....
A-57	16		Bob Veal	2064	Dutchess	5	.....
A-58	18		Violation of Article 12-a		New York .....	.....	.....
A-59	18		Milk	18395	Oswego	50	.....
A-60	18		Milk	A-7692	New York	50	.....
A-61	18		Violation of Section 55		New York .....	.....	.....
A-62	19		Violation of Section 55		New York .....	.....	.....
A-63	20		Milk	A-6695	Kings	100	.....
A-64	20		Milk	A-7907	Kings	50	.....
A-65	20		Milk	A-7783	New York	50	.....
A-66	20		Milk	A-7615	Kings	50	.....
A-67	20		Violation of Section 55		Washington	Discontinued	.....
A-68	20		Violation of Quarantine		Westchester .....	.....	.....
A-69	22		Violation of Section 55 (License)		Washington .....	.....	.....
A-70	22		Milk	A-7555	New York	50	.....
A-71	22		Milk	A-7579	New York	50	.....
A-72	22		Milk	A-7903	Kings	50 Jdgt Piff.	.....
A-73	22		Milk	A-6520	Kings .....	.....	.....
A-74	22		Vinegar	M-4320	New York	Discontinued	.....
A-75	22		Unsanitary Milk	A-8371	Wyoming	50	.....
A-76	23		Action on Bond		New York	3000	.....
A-77	23		Milk	A-7681	New York	50	.....
A-78	24		Milk	A-10008	Kings	50	.....
A-79	23		Bob Veal	1352 to 1368 Inclusive	Orange	200	.....
						In this case and case No. A-88.	
A-80	23		Bob Veal	2498	Orange	70	\$28.00
						this case and cases No. A-101 & 9769.	
A-81	23		Bob Veal	1370-1371 1372-1373	Orange .....	.....	.....
A-82	23		Bob Veal	1768	Albany .....	.....	.....
A-83	24		Bob Veal	1369	Orange	100	25.00
						this case and case No. 9796.	
A-84	24		Bob Veal	2065	Putnam	5	.....
A-85	24		Bob Veal	2428	Putnam .....	.....	.....
A-86	24		Bob Veal	2499	Orange	Discontinued	.....
A-87	24		Bob Veal	1387-1388	Orange	80	27.00
						this case and cases No. 9768-A-102-A376	
A-88	24		Bob Veal	1374-1375-1376	Orange	200	.....
						this case and case No. A-79.	
A-89	24		Bob Veal	1984	Onelda
A-90	24		Bob Veal	1747	Fulton

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CASE GENERAL

NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	RESULTS	Penalty	Costs
	March						
A-91	24	Bob Veal.....	1743	Oneida .....	.....	.....	.....
A-92	24	Bob Veal.....	2003-2004	Montgomery .....	.....	.....	.....
A-93	24	Bob Veal.....	1766-1769-1738	Montgomery .....	.....	.....	.....
A-94	24	Bob Veal.....	1051-1052	Clinton .....	.....	.....	.....
A-95	25	Bob Veal.....	397	Otsego	\$5	.....	.....
A-96	26	Milk	A-9017	Sullivan	50	.....	.....
A-97	26	Milk	A-6378	New York.....	100	.....	.....
A-98	26	Milk	A-7691	New York.....	100	.....	.....
A-99	27	Milk	A-7779	New York.....	50	.....	.....
A-100	27	Bob Veal.....	1740-1742	Orange	15	.....	.....
A-101	27	Bob Veal.....	2063-2073	Orange	70	\$28.00	.....
			2075-2072		this case and cases No. A-80 and 9769.	80	27.00
A-102	27	Bob Veal.....	1381-1382	Orange .....	.....	.....	.....
			1383-1384		this case and cases No. 9768-A-87-A376.	90 a-c	.....
A-103	27	Bob Veal.....	2462-2463-2464	Orange .....	.....	.....	.....
			2494-2495-2486		this case and case No. 9767.	.....	.....
A-104	27	Bob Veal.....	1339	Oneida .....	.....	.....	.....
A-105	27	Bob Veal.....	1751-1752	Oneida .....	.....	.....	.....
A-106	27	Bob Veal.....	1796	Clinton .....	.....	.....	.....
A-107	8	Milk	A-5638	Madison	50	.....	.....
A-108	29	Bob Veal.....	1966	Chenango	5	.....	.....
A-109	30	Milk	A-7814	Kings	50	.....	.....
A-110	30	Milk	A-7589	Bronx .....	.....	.....	.....
A-111	31	Vinegar	M-4273	Bronx .....	.....	.....	.....
A-112	31	Milk	A-7571	Bronx	50	.....	.....
A-113	31	Feeding Stuffs.....	6766	Steuben	Discontinued	.....	.....
A-114	31	Bob Veal.....	1077-1078-1080	Orange .....	.....	.....	.....
	April		1081-1082-1087		.....	.....	.....
A-115	1	Feeding Stuffs.....	6824	Jefferson	50	.....	.....
A-116	2	Milk	A-6517	Kings	50	.....	.....
A-117	2	Bob Veal.....	1084-1085-1086	Orange	15	.....	.....
A-118	3	Feeding Stuffs.....	6786	Chemung .....	.....	.....	.....
A-119	3	Milk	A-7925	Kings	100	.....	.....
			A-7904		50	.....	.....
A-120	3	Milk	A-7901	Kings	Discontinued	.....	.....
A-121	3	Vinegar	M-4759	Kings	50	.....	.....
A-122	3	Feeding Stuffs.....	6762	Yates .....	.....	.....	.....
					in this case and case No. A-204.	120	.....
A-123	5	Bob Veal.....	2496	Orange .....	.....	.....	.....
					in this case and cases No. 9915 and A-17.	.....	.....
A-124	6	Vinegar	M-4014	Kings .....	.....	.....	.....
A-125	6	Milk	A-6718	New York.....	Discontinued	.....	.....
A-126	6	Vinegar	M-4856	New York.....	.....	.....	.....
A-127	6	Cheese	N-3123	Albany .....	.....	.....	.....
A-128	6	Milk	A-12506	Rensselaer	Discontinued	.....	.....
A-129	6	Feeding Stuffs.....	7211	Saratoga .....	.....	.....	.....
A-130	6	Lemon Extract.....	M-4061	New York.....	Discontinued	.....	.....
A-131	7	Vinegar	M-4460	Kings .....	.....	.....	.....
A-132	7	Milk	A-7831	Kings	50	.....	.....
A-133	7	Milk	A-7902	Kings	50 Jdgt Plff.	.....	.....
A-134	8	Milk	A-7854	New York.....	.....	.....	.....
A-135	8	Vinegar	M-4503	New York.....	.....	.....	.....
A-136	8	Vinegar	M-4459	Kings .....	.....	.....	.....
A-137	8	Bob Veal.....	2206	Montgomery	5	.....	.....
A-138	9	Vinegar	N-4549	Kings	Discontinued	.....	.....
A-139	9	Vinegar	N-4754	Kings	50	.....	.....
A-140	9	Milk	A-9188	Columbia	50	.....	.....
A-141	9	Feeding Stuffs.....	7440	Monroe	50	.....	.....
A-142	10	Milk	A-4869	Clinton	50	.....	.....
A-143	10	Oleomargarine	A-2391	Kings .....	.....	.....	.....
A-144	12	Milk	A-10271	New York.....	.....	.....	.....
			A-10274		.....	.....	.....
A-145	12	Milk	A-7813	Kings .....	.....	.....	.....
A-146	12	Vinegar	M-4352	New York.....	.....	.....	.....
A-147	12	Vinegar	M-4545	Westchester .....	.....	.....	.....
A-148	12	Feeding Stuffs.....	7589	Westchester .....	.....	.....	.....

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		RESULTS	
NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs			
April									
A-149	12	Feeding Stuffs.....	7238	Orange	\$50	.....		
A-150	12	Feeding Stuffs.....	6631	Washington	50	.....		
A-151	12	Milk	A-8197	Steuben	50	.....		
A-152	13	Milk	A-9183	Columbia .....	.....	.....	
A-153	13	Milk	A-9187	Columbia .....	.....	.....	
A-154	13	Milk	A-5353	Erie	50	.....		
A-155	13	Bob Veal.....	1978	Madison	10	.....		
A-156	14	Macaroni	N-638	Orange .....	.....	.....	
A-157	14	Chow-Chow	4441	Kings	Discontinued	.....		
A-158	14	Lemon Extract.....	M-4432	Kings .....	.....	.....	
A-159	14	Malt Coffee.....	A-2139	Kings	Discontinued	.....		
A-160	14	Feeding Stuffs.....	7357	St. Lawrence.....	Discontinued	.....		
A-161	14	Vinegar	4504	Westchester .....	.....	.....	
A-162	14	Milk	A-9185	Dutchess .....	.....	.....	
A-163	15	Milk	A-10051	Kings .....	.....	.....	
A-164	15	Oleomargarine	A-3514	New York.....	50	.....		
A-165	15	Cheese	N-3611	Jefferson .....	.....	.....	
A-166	15	Unlawful Use of Milk Bottles.....	.....	Oneida	Discontinued	.....		
A-167	15	Milk	A-8199	Genesee	50	.....		
A-168	16	Feeding Stuffs.....	5575	New York.....	.....	.....	
A-169	16	Feeding Stuffs.....	5584	New York.....	50	.....		
A-170	16	Process Butter.....	M-4428	Kings	50	.....		
A-171	17	Milk	A-8245	Wyoming	50	.....		
A-172	17	Special Skim Milk Cheese	M-2009	Erie .....	.....	.....	
A-173	17	Oleomargarine	M-2104	Chemung .....	.....	.....	
A-174	17	Feeding Stuffs.....	7490	Wyoming	50	.....		
A-175	17	Feeding Stuffs.....	7003	Onondaga .....	.....	.....	
A-176	17	Feeding Stuffs.....	6256	Tioga .....	.....	.....	
A-177	17	Bologna Sausage.....	N-2823	Niagara .....	.....	.....	
A-178	17	Raw Linseed Oil.....	M-2263	Genesee .....	.....	.....	
			M-2264						
A-179	19	Milk	A-8198	Steuben	50	.....		
A-180	19	Milk	A-6700	Kings	50	.....		
A-181	19	Milk	A-6524	Westchester	50	.....		
A-182	19	Renovated Butter.....	M-1306	Jefferson .....	.....	.....	
A-183	19	Cider Vinegar.....	M-1218	Montgomery .....	.....	.....	
A-184	19	Bob Veal.....	2229-2230-2256	Montgomery	15	.....		
A-185	19	Bob Veal.....	2009-2016	Albany	5	.....		
A-186	19	Syrup	N-1544	Ulster .....	.....	.....	
A-187	19	Pickles	N-1423	Ulster .....	.....	.....	
A-188	20	Feeding Stuffs.....	8009	Queens .....	.....	.....	
A-189	20	Turpentine	N-4666	New York.....	.....	.....	
A-190	20	Boiled Linseed Oil..	N-4690	New York.....	.....	.....	
A-191	20	Milk	A-7592	New York.....	50	.....		
A-192	20	Milk	A-10273	New York.....	.....	.....	
A-193	20	Milk	A-10007	Kings	50 Jdgt Plff.	.....		
A-194	20	Milk	A-6716	New York.....	.....	.....	
A-195	20	Milk	A-6811	New York.....	.....	.....	
A-196	20	Milk	A-7581	New York.....	50	.....		
A-197	20	Oleomargarine	A-2387	New York.....	Discontinued	.....		
A-198	20	Cheese	N-975	Orange	Discontinued	.....		
A-199	21	Cheese	N-659	Orange	Discontinued	.....		
A-200	21	Cheese	N-1455	Ulster .....	.....	.....	
A-201	21	Milk	A-6527	Westchester .....	.....	.....	
A-202	21	Milk	A-7815	Kings	50 Jdgt Plff.	.....		
A-203	21	Milk	A-7696	New York.....	.....	.....	
A-204	21	Feeding Stuffs.....	6340	Yates	50	.....		
					this case and case No.				
					A-122.				
A-205	22	Dried Peaches.....	N-4520	Richmond	50	.....		
A-206	22	Substitute Lemon....	M-4534	Westchester .....	.....	.....	
A-207	22	Milk	A-6534	Westchester	50	.....		
A-208	22	Milk	A-7799	New York.....	50	.....		
A-209	22	Milk	A-7906	Kings .....	.....	.....	
A-210	22	Milk	A-7685	New York.....	.....	.....	
A-211	22	Milk	A-6713	New York.....	.....	.....	
A-212	22	Renovated Butter....	N-4402	Kings	Discontinued	.....		
A-213	23	Milk	A-6794	Kings	50	.....		
A-214	23	Milk	A-6698	Kings	50	.....		
A-215	23	Milk	5701	Kings	50			
A-216	23	Milk	A-7780	New York.....			
A-217	23	Milk	A-7695	New York.....			

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CASE GENERAL

NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	RESULTS
					<i>Penalty Costs</i>
	April				
A-218	23	Oleomargarine	A-1521	New York.....	Discontinued
A-219	23	Milk	A-6229	Erie	Discontinued
A-220	23	Pepper	M-4113	New York.....	.....
A-221	23	Sauce	M-4009	New York.....	Discontinued
A-222	24	Violation Quarantine		Chautauqua .....	.....
A-223	24	Milk	A-5702	Kings	\$50
A-224	24	Milk	A-7910	Queens	50
A-225	26	Milk	A-4407	Steuben	50
A-226	26	Feeding Stuffs.....	6668	Oneida	50
A-227	27	Feeding Stuffs.....	5674	Delaware	50
A-228	27	Feeding Stuffs.....	6271	Onondaga	Discontinued
A-229	27	Milk	A-3806	Erie	50
A-230	27	Milk	A-6680	Kings	50
A-231	27	Milk	A-6523	Westchester	50
A-232	27	Milk	A-6690	Kings	50 Jdgt Plft.
A-233	27	Milk	A-7957	New York.....	.....
A-234	27	Wrongful Use of Milk Bottles.....		Oneida .....	.....
A-235	27	Bob Veal.....	2101-2102 2103-2104	Westchester	100
					this case and case No. 7200.
A-236	27	Milk	A-6535-A-6536 A-6537-A-6540 A-6541	Westchester	250
A-237	28	Violation Foot and Mouth Quarantine		Westchester	50
A-238	28	Bob Veal—3 Calves.		Oneida	20
					10 a-c
A-239	28	Bob Veal—2 Calves.		Oneida	20
A-240	28	Milk	A-6689	Kings .....	.....
A-241	30	Milk	A-6529	Westchester	50
A-242	28	Special Skim Milk..	M-2007 M-2008	Monroe	Discontinued
A-243	28	Skim Cheese.....	M-2006	Monroe	Discontinued
A-244	30	Feeding Stuffs.....	7514	Cayuga .....	.....
A-245	30	Foot and Mouth Quarantine		Westchester .....	.....
A-246	30	Milk	A-6531	Westchester	Discontinued
	May				
A-247	3	Milk	A-10052	Kings .....	.....
A-248	3	Milk	A-7909	Kings	50
A-249	3	Oleomargarine	A-1949	New York.....	.....
A-250	4	Compound Extract Vanilla	N-3197	St. Lawrence....	50
A-251	4	Tinct. Vanilla.....	M-2221	Schuyler	50
A-252	5	Feeding Stuffs.....	7430	Monroe	50
A-253	5	Feeding Stuffs.....	7689	Otsego	50
A-254	5	Feeding Stuffs.....	8010	Queens	50
A-255	5	Milk	A-6793	Kings	Discontinued
A-256	6	Milk	A-6807	Bronx	50
A-257	6	Milk	A-5704	Kings	50
A-258	6	Milk	A-6682	Kings	Discontinued
A-259	6	Milk	A-7912	Kings	50
A-260	6	Milk	A-7599-A-7600	New York.....	.....
A-261	6	Milk	A-6530	Westchester .....	.....
A-262	6	Milk	7877-A-7875	New York.....	.....
A-263	6	Milk	A-7591	New York.....	.....
A-264	6	Milk	A-7878	New York.....	Discontinued
A-265	6	Milk	A-7585	New York.....	.....
A-266	6	Milk	A-6688	Kings .....	.....
A-267	6	Milk	A-7849	Kings	15 a-c
A-268	6	Cream	A-7869	New York.....	100
					in this case and case No. A-501.
A-269	6	Feeding Stuffs.....	5574	New York.....	.....
A-270	6	Feeding Stuffs.....	6626	Warren	50
					in this case and case No. A-271.
A-271	6	Feeding Stuffs.....	6620	Warren	50
					in this case and case A-270
A-272	7	Milk	A-7812	Kings	100

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NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs			
	May								
A-273	7	Feeding Stuffs.....	6487	Schenectady	\$50			
A-274	7	Feeding Stuffs.....	6464	Erie	50	.....		
A-275	8	Milk	A-7800	New York.....	Discontinued	.....		
A-276	8	Milk	A-6532	Westchester	50	.....		
A-277	8	Vinegar	M-4139	New York.....	.....	.....	
A-278	8	Lard	M-4614	Kings .....	.....	.....	
A-279	10	Milk	A-7879	New York.....	Discontinued	.....		
A-280	10	Milk	A-7908	Kings .....	.....	.....	
A-281	10	Milk	A-9189	Putnam .....	.....	.....	
A-282	10	Milk	A-9369	Orange .....	.....	.....	
A-283	10	Milk	5004	Otsego .....	.....	.....	
A-284	10	Milk	A-5231	Erie .....	.....	.....	
A-285	10	Milk	A-3805	Erie .....	.....	.....	
A-286	10	Milk	A-9667	Monroe .....	.....	.....	
A-287	10	Cream	129	Schoharie	Discontinued	.....		
A-288	10	Foot and Mouth Quarantine		Queens	Discontinued	.....		
A-289	10	Cider Vinegar.....	N-1254	Franklin .....	.....	.....	
A-290	11	Milk	A-9195	Putnam	50	.....		
A-291	11	Milk	A-7619	New York.....	50	.....		
A-292	11	Milk	A-5252	Erie .....	.....	.....	
A-293	11	Feeding Stuffs.....	6354	Livingston	50	.....		
A-294	11	Feeding Stuffs.....	7419	Wyoming	50	.....		
A-295	11	Feeding Stuffs.....	6880	Madison	50	.....		
A-296	11	Feeding Stuffs.....	7195	Columbia .....	.....	.....	
A-297	11	Feeding Stuffs.....	7165	Dutchess .....	.....	.....	
A-298	12	Milk	A-10076	Kings	50	.....		
A-299	12	Milk	A-8941	Jefferson	Discontinued	.....		
A-300	10	Bob Veal.....	563-564-565	Chautauqua	5	.....		
A-301	12	Glanders Quarantine		Essex	50	.....		
A-302	13	Feeding Stuffs.....	6826	Lewis	Discontinued	.....		
A-303	13	Feeding Stuffs.....	7227	Orange .....	.....	.....	
A-304	13	Milk	A-10087	Kings .....	.....	.....	
A-305	13	Cheese	N-3209	St. Lawrence.....	.....	.....	
A-306	13	Feeding Stuffs.....	6895	Onondaga	50	.....		
A-307	14	Feeding Stuffs.....	6921	Dutchess	50	.....		
A-308	14	Feeding Stuffs.....	7263	Cattaraugus .....	.....	.....	
A-309	14	Feeding Stuffs.....	7187	Columbia .....	.....	.....	
A-310	14	Cider Vinegar.....	N-3239	Franklin	Discontinued	.....		
A-311	14	Cider Vinegar.....	N-1310	Clinton .....	.....	.....	
A-312	14	Cider Vinegar.....	N-1343	Clinton .....	.....	.....	
A-313	14	Cider Vinegar.....	N-3243	Franklin .....	.....	.....	
A-314	14	Cider Vinegar.....	N-3244	Franklin	Discontinued	.....		
A-315	14	Cider Vinegar.....	N-3228	Franklin	Discontinued	.....		
A-316	14	Cider Vinegar.....	N-1268	Franklin .....	.....	.....	
A-317	14	Cider Vinegar.....	N-1302	Clinton .....	.....	.....	
A-318	14	Cider Vinegar.....	N-3564	Essex	Discontinued	.....		
A-319	14	Cider Vinegar.....	N-3247	Franklin .....	.....	.....	
A-320	14	Cider Vinegar.....	M-2504	Chenango	Discontinued	.....		
A-321	14	Fertilizer	O-558	Suffolk .....	.....	.....	
A-322	14	Turpentine	M-2452	Ontario .....	.....	.....	
A-323	14	Tomato Catsup.....	O-813	Bronx	50	.....		
A-324	14	Catsup	N-4830	New York .....	.....	.....	
A-325	14	Tomato Catsup.....	O-817	New York.....	50	.....		
A-326	14	Milk	A-10165	New York.....	50	.....		
					this case and case No.				
A-327	14	Unsanitary Milk....	A-8372	Wyoming	A-344	.....		
A-328	15	Bologna Sausage. Frankfurt Sausage.	N-607 N-608	Rockland	50	.....		
A-329	17	Feeding Stuffs.....	5568	New York.....	100	.....		
A-330	18	Feeding Stuffs.....	5583	New York.....	50	.....		
A-331	18	Cider Vinegar.....	N-1296	Clinton .....	.....	.....	
A-332	18	Cider Vinegar.....	N-1246	St. Lawrence.....	.....	.....	
A-333	18	Cider Vinegar.....	N-1274	Franklin .....	.....	.....	
A-334	18	Cider Vinegar.....	N-3548	Franklin	50	.....		
A-335	18	Milk	A-8933	Jefferson	50	.....		
A-336	18	Milk	A-6731	New York.....	50	.....		
A-337	18	Tomato Catsup.....	N-4840	New York.....	.....	.....	
A-338	18	Tomato Catsup.....	O-812	New York.....	.....	.....	
A-339	19	Tomato Catsup.....	N-4829	New York.....	.....	.....	
A-340	19	Tomato Catsup.....	N-4831	New York.....	.....	.....	
A-341	19	Tomato Catsup.....	N-4839	New York.....	.....	.....	
A-342	19	Milk	A-10086	Kings	Discontinued	.....		

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1915					Penalty	Costs					
A-343	May	Milk	10158	New York								
A-344	19	Milk	A-10166	New York		\$50						
						this case and	No.					
A-345	19	Milk	A-10267	New York		Discontinued						
A-346	19	Milk	A-10077	Kings		50 Jdgt Plff						
A-347	19	Milk	A-6733	New York		50						
A-348	19	Milk	A-10254	New York								
A-349	19	Milk	A-10275	New York								
A-350	19	Milk	A-6545	Kings								
A-351	19	Milk	A-7900	New York								
A-352	19	Milk	A-12510	Saratoga		50						
A-353	19	Milk	18393	Oswego								
A-354	19	Milk	A-9194	Columbia		50						
A-355	18	Milk	A-545	Chautauqua		50						
A-356	19	Milk	A-4101	Chautauqua		50						
A-357	19	Foot and Mouth										
		Quarantine		Rensselaer		Discontinued						
A-358	19	Bob Veal	1797	Rensselaer		5						
A-359	20	Foot and Mouth										
		Quarantine		Rensselaer		Discontinued						
A-360	20	Hamburg Steak	N-1308	Clinton		50						
A-361	20	Milk	A-9701	Genesee		50						
A-362	20	Feeding Stuffs	6963	Tioga		50						
A-363	21	Raw Linseed Oil	O-1655	Rensselaer		100						
A-364	21	Vanilla Compound	M-2223	Chemung								
A-365	21	Milk	14902	Cortland								
A-366	21	Cider Vinegar	N-1239	Clinton								
A-367	21	Cider Vinegar	N-1312	Clinton								
A-368	21	Cider Vinegar	N-3208	St. Lawrence								
A-369	21	Cider Vinegar	N-1264	Franklin								
A-370	21	Cider Vinegar	N-3654	Jefferson								
A-371	21	Cider Vinegar	N-1311	Clinton		Discontinued						
A-372	21	Foot and Mouth										
		Quarantine		Westchester								
A-373	21	Bob Veal	1156-1157	Westchester								
			1158-1159									
A-374	21	Bob Veal	1736-1781-1782	Montgomery								
A-375	21	Bob Veal	2216	Orange								
A-376	21	Bob Veal	2228	Orange		80	\$27.00					
						this case and	No.					
						cases	No.					
A-377	21	Bob Veal	2219-2220-2221	Orange		9768-A87, A102.						
A-378	21	Bob Veal		Dutchess								
A-379	21	Rabies Quarantine		Saratoga								
A-380	24	Cider Vinegar	N-3657	Jefferson								
A-381	24	Feeding Stuffs	7751	Oswego		Discontinued						
A-382	24	Feeding Stuffs	7015	Cortland		Discontinued						
A-383	24	Feeding Stuffs	6780	Steuben		Discontinued						
A-384	24	Feeding Stuffs	5560	Ulster		Discontinued						
A-385	25	Hamburg Steak	N-3622	Jefferson								
A-386	25	Frankfurt Sausage	N-3642	Jefferson		Discontinued						
A-387	25	Veal Loaf	N-3621	Jefferson								
A-388	25	Bologna Sausage	N-3620	Jefferson		Discontinued						
A-389	25	Mixed Pickles	N-3647	Jefferson								
A-390	25	Frankfurt Sausage	N-3624	Jefferson		Discontinued						
A-391	25	Veal Loaf	N-3628	Jefferson		50						
A-392	25	Evaporated Peaches	N-3503	Clinton		Discontinued						
A-393	25	Cider Vinegar	N-3643	Jefferson								
A-394	25	Feeding Stuffs		Chenango		50						
A-395	25	Bob Veal	2716	Columbia		5						
A-396	25	Milk	A-10093	Kings		50						
A-397	25	Milk	A-5257	Chattaraugus		50						
A-398	25	Milk	A-6735	New York								
A-399	25	Milk	A-7739-A-7851	Queens		100						
A-400	25	Milk	A-6382	New York		50						
A-401	25	Milk	A-7887	New York		50						
A-402	25	Milk	A-6532	Westchester		50						
A-403	25	Milk	A-7892	New York								
A-404	25	Milk	A-6730	New York		10 a-c						
A-405	25	Milk	A-6732	New York								
A-406	25	Milk	A-7893	New York								
A-407	25	Milk	A-544	Chautauqua		50						

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1915						Penalty				Costs	
June												
A-482	7	Bob Veal.....	1056	Putnam			\$15					
A-483	7	Bob Veal.....	1055, 2434, 2435 2436, 1393	Dutchess								
A-484	7	Bob Veal.....	2209-2210-2211	Orange								
A-485	7	Bob Veal.....	2437-2438	Orange								
A-486	7	Bob Veal.....	1778, 2203, 1779, 2264, 2268, 2269, 2271, 2274, 1777, 2213, 2246	Montgomery								
A-487	7	Bob Veal.....	1746-2207-2231 2224	Herkimer								
A-488	7	Bob Veal.....	2055	Madison			15					
A-489	7	Bob Veal.....	911	Erie			Discontinued					
A-490	7	Tomato Catsup....	N-4434	Kings			50					
A-491	7	Compound Lard....	N-4815	New York.....								
A-492	7	Lard	N-4767	Kings								
A-493	7	Lard	N-4437	Kings								
A-494	7	Compound Lard....	N-4814	New York.....								
A-495	7	Beans	M-2164	Monroe			Discontinued					
A-496	7	Cinnamon	N-3325	Jefferson								
A-497	7	Cloves	N-3326	Jefferson								
A-498	7	Extract of Vanilla..	N-2103	Monroe								
A-499	7	Milk	A-6561	Putnam								
A-500	7	Milk	A-4865	Clinton								
A-501	7	Cream	A-10287	New York.....			100					
							this case and case No. A-268.					
A-502	7	Milk	A-6553	Kings								
A-503	7	Milk	A-10286	New York.....								
A-504	7	Milk	A-10279	New York.....								
A-505	7	Milk	A-10278	New York.....								
A-506	7	Milk	A-6743	New York.....			Discontinued					
A-507	7	Cider Vinegar.....	N-3458	Jefferson								
A-508	7	Feeding Stuffs.....	7068	Sullivan								
A-509	8	Feeding Stuffs.....	5684	Delaware								
A-510	8	Feeding Stuffs.....	6928	Dutchess								
A-511	8	Feeding Stuffs.....	7736	Westchester								
A-512	8	Feeding Stuffs.....	5595	Queens								
A-513	8	Feeding Stuffs.....	5594	Queens								
A-514	8	Feeding Stuffs.....	5276	Chenango								
A-515	8	Feeding Stuffs.....	5264	Chenango								
A-516	8	Feeding Stuffs.....	5265	Chenango								
A-517	8	Feeding Stuffs.....	6871	Madison								
A-518	8	Feeding Stuffs.....	7524	Seneca			50					
A-519	8	Cider Vinegar.....	N-3260	Jefferson								
A-520	8	Cider Vinegar.....	N-3290	Jefferson								
A-521	8	Nursery Stock Sec. 304-305		Ontario								
A-522	9	Vinegar	N-4132	New York.....								
A-523	9	Oleomargarine	A-2792	Queens								
A-524	9	Milk	A-6376	New York.....			50					
A-525	9	Milk	A-7512	Kings			50					
A-526	9	Oleomargarine	N-2365	Wyoming			50					
A-527	9	Oleomargarine with coloring matter.	N-2368	Wyoming								
A-528	9	Pancake Flour.....	N-2051	Orleans								
A-529	9	Vanilla	N-1658	Schenectady			50					
A-530	9	Bob Veal.....	572	Erie			5					
A-531	10	Bob Veal.....	1741	Montgomery			15					
A-532	10	Cider Vinegar.....	M-1311	Jefferson								
A-533	10	Cider Vinegar.....	N-3282	Jefferson								
A-534	10	Cider Vinegar.....	N-3289	Jefferson								
A-535	10	Evaporated Peaches.	N-3512	Franklin			50					
A-536	10	Maple Creams.....	N-3270	Jefferson			Discontinued					
A-537	11	Bob Veal.....	2295	Ulster			10					
A-538	11	Lard	O-84	Albany								
A-539	11	Extract of Lemon...	N-2354	Livingston								
A-540	11	Extract of Vanilla..	N-2102	Monroe			Discontinued					
A-541	11	Lard	N-2102	Monroe			Discontinued					
A-542	11	Evaporated Peaches.	N-3522	Franklin			50					
A-543	11	Feeding Stuffs.....	7500	Wyoming								
A-544	11	Butter	O-74	Albany			Discontinued					
A-545	11	Rarebit Cheese.....	M-2348	Monroe			50					
							in this case and cases No. A-726 and A-736.					

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		NO.		1915		KIND OF CASE		LABEL NO.		COUNTY		RESULTS	

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		RESULTS	
NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs			
	June								
A-616	24	Extract of Vanilla..	O-104	Schenectady	Discontinued				
A-617	24	Cider Vinegar.....	O-62	Albany					
A-618	24	Cider Vinegar.....	O-16	Rensselaer					
A-619	24	Cider Vinegar.....	N-4694	New York.....					
A-620	24	Milk	A-9958	Schoharie	\$50				
A-621	24	Milk	A-12512	Rensselaer	50				
A-622	24	Milk	A-9373	Orange	50				
A-623	24	Milk	20143	Jefferson	50				
A-624	24	Cheese	O-481	Oneida	50				
A-625	24	Action on Bond....		New York.....	Discontinued				
A-626	25	Milk	A-9108	Albany	Discontinued				
A-627	26	Cream	1011	Albany	50				
A-628	26	Milk	A-12511	Rensselaer	50				
A-629	26	Milk	A-9360	Orange	50				
A-630	26	Milk	A-9371	Orange					
A1631	26	Milk	A-9752	Steuben	50				
A-632	26	Cheese	N-4982	Kings					
A-633	26	Renovated Butter...	O-808	New York.....					
A-634	26	Renovated Butter...	N-4983	Kings					
A-635	26	Renovated Butter...	N-4474	New York.....					
A-636	26	Renovated Butter...	N-4029	New York.....					
A-637	26	Oleomargarine	A-2864	New York.....	50				
A-638	26	Rice	O-876	Kings					
A-639	26	Lard	N-4037	New York.....					
A-640	26	Lard	O-1003	Bronx	50				
A-641	26	Lard	O-824	New York.....					
A-642	26	Lard	O-959	Queens					
A-643	26	Compound Lard.....	N-4481	New York.....					
A-644	26	Compound Mace....	N-4964	Kings	50				
A-645	26	Vinegar	N-306	Columbia					
A-646	26	Cider Vinegar.....	O-907	Delaware					
A-647	26	Bob Veal.....	913-914-915	Erie	15				
A-648	25	Milk	A-9954	Montgomery	50				
A-649	25	Milk	A-8937	Jefferson	50				
A-650	25	Milk	A-9066	Albany	50				
A-651	25	Milk	A-12514	Rensselaer					
A-652	25	Cider Vinegar.....	O-2669	Albany					
A-653	25	Cider Vinegar.....	O-50	Rensselaer					
A-654	25	Cider Vinegar.....	O-1683	Albany					
A-655	28	Cider Vinegar.....	O-919	Sullivan					
A-656	28	Raisin Vinegar.....	N-4850	Bronx	50				
A-657	28	Milk	A-9116, A-9113	Albany	50				
A-658	28	Milk	A-913	Lewis	50				
A-659	28	Bob Veal.....	1980-1982	Orange	10				
A-660	29	Bob Veal.....	1083, 1087	Orange	20				
			1089, 1149						
A-661	29	Bob Veal.....	1985	Oneida	10				
A-662	29	Bob Veal.....	2266, 2270, 2272	Chenango	30				
			2275, 1624, 1532						
A-663	29	Bob Veal.....	2504-2729-2719	Rensselaer	30				
			2513-2235-2234						
			2023-2358						
A-664	29	Cider Vinegar.....	O-30	Rensselaer					
A-665	29	Cider Vinegar.....	O-2294	Albany					
A-666	29	Cider Vinegar.....	O-21	Rensselaer					
A-667	29	Cider Vinegar.....	O-1660	Rensselaer					
A-668	29	Cider Vinegar.....	O-57	Albany					
A-669	29	Cider Vinegar.....	O-2429	Oneida	Discontinued				
A-670	29	Milk	A-5011	Oneida	50				
A-671	29	Milk	A-9452	Franklin	50				
A-672	29	Milk	A-2368	St. Lawrence....	50				
A-673	29	Process Butter.....	N-3434	Jefferson					
A-674	29	Milk	A-9009	Schoharie					
A-675	29	Cream	1016	Albany					
A-676	29	Cream	1006	Albany					
A-677	29	Milk	A-548	Chautauqua	50				
A-678	29	Cinnamon	O-1703	Onondaga	Discontinued				
A-679	29	Lard	O-2662	Albany	Discontinued				
A-680	29	Lard	O-2672	Albany	Discontinued				
A-681	29	Vanilla Extract....	N-4847	Bronx					
A-682	29	Lard	O-836	New York.....	50				
A-683	29	Rice	O-854	Kings					
A-684	30	Pure Lemon Extract	N-2359	Genesee					
A-685	30	Hamburg Steak.....	O-157	Oneida					
A-686	30	Buckwheat Com- pound	N-2075	Chautauqua					

DATE REFERRED TO ATTORNEY		CASE GENERAL					RESULTS	
NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs		
	June							
A-687	30	Compound Extract of Vanilla	M-2593	Cortland	\$50	.....	
A-688	30	Hamburg Steak.....	M-2463	Chemung	50	.....	
A-689	30	Pure Cider Vinegar..	O-1709	Onondaga	50	.....	
A-690	30	Pure Cider Vinegar..	O-2304	Westchester .....	.....	.....
A-691	30	Feeding Stuffs.....	7978	Monroe .....	.....	.....
A-692	30	Bob Veal.....	2523	Columbia	5	.....	
A-693	30	Milk	A-8940	Jefferson	50	.....	
A-694	30	Dairy Cheese.....	M-2344	Monroe	25 a-c	.....	
A-695	30	Creamery Butter.....	N-2110	Monroe .....	.....	.....
A-696	30	Milk	A-6753	Cattaraugus .....	.....	.....
A-697	30	Milk	A-12304	Madison .....	.....	.....
	July							
A-698	1	Cider Vinegar.....	N-1235	St. Lawrence.....	.....	.....
A-699	1	Milk	A-8373	Wyoming	50	.....	
A-700	1	Milk	A-4055	Allegany	50	.....	
A-701	1	Milk	A-8263	Cayuga	50	.....	
A-702	1	Milk	A-8266	Wayne	50	.....	
A-703	1	Milk	A-8374	Orange	25 a-c	.....	
A-704	1	Bob Veal.....	1068	Otsego	5	.....	
A-705	2	Bob Veal.....	2526-2527-2529 2530-2531-2532	Montgomery .....	.....	.....
			2536-2537 2727-1728	Montgomery .....	.....	.....
A-706	2	Bob Veal.....	2728-1785	.....	.....	.....
A-707	2	Bob Veal.....	2547-2548	Herkimer	10	.....	
A-708	2	Bob Veal.....	2262	Oneida .....	.....	.....
A-709	2	Bob Veal.....	1638	Delaware	5	.....	
A-710	2	Bob Veal.....	2282-2285	Ulster .....	.....	.....
A-711	2	Bob Veal.....	1673	Orange .....	.....	.....
A-712	2	Bob Veal.....	2520	Ulster	5	.....	
A-713	2	Bob Veal.....	2056	Dutchess .....	.....	.....
A-714	2	Bob Veal.....	2501-2504-2510	Orange .....	.....	.....
			2502-2508 2515-2516	Orange	45	.....	
A-715	2	Bob Veal.....	2517-2518	.....	.....	.....
A-716	2	Bob Veal.....	2546-2260-2267 2278-2279-2281 2284-2290	Rensselaer .....	.....	.....
A-717	2	Bob Veal.....	1693-1682-1669	Westchester	15	.....	
A-718	2	Bob Veal.....	1637-1641	New York.....	.....	.....
A-719	2	Bob Veal.....	2263-2277	Chenango	10	.....	
A-720	2	Bob Veal.....	916-917	Erie .....	.....	.....
A-721	2	Cider Vinegar.....	N-4031	Kings	Discontinued	.....	
A-722	2	Cider Vinegar.....	O-2655	Albany .....	.....	.....
A-723	2	Lard	N-4088	Kings .....	.....	.....
A-724	2	Milk	A-2372	St. Lawrence.....	50	.....	
A-725	2	Milk	A-9110	Albany	50	.....	
A-726	2	Rarebit Cheese.....	N-2107	Monroe	50	.....	
					this case and cases No. A545, A736,			
A-727	2	Renovated Butter...	N-4837	New York.....	.....	.....
A-728	3	Renovated Butter...	O-1057	New York.....	.....	.....
A-729	3	Bob Veal.....	2512	Rensselaer .....	.....	.....
A-730	6	Milk	A-13952	Dutchess	50	.....	
A-731	6	Milk	A-9109	Albany .....	.....	.....
A-732	6	Milk	A-9065	Albany	50	.....	
A-733	6	Milk	A-9067	Albany	50	.....	
A-734	6	Milk	A-9119	Rensselaer .....	.....	.....
A-735	6	Renovated Butter...	O-2270	Albany	Discontinued	.....	
A-736	6	Rarebit Cheese.....	N-2106	Monroe	50	.....	
					this case and cases No. A545 and A726.			
A-737	6	Cider Vinegar.....	O-1664	Rensselaer .....	.....	.....
A-738	6	Cider Vinegar.....	O-20	Rensselaer	Discontinued	.....	
A-739	7	Vinegar	O-1102	Kings .....	.....	.....
A-740	7	Vinegar	O-1004	Bronx .....	.....	.....
A-741	7	Cider Vinegar.....	N-4957	Kings .....	.....	.....
A-742	7	Cider Vinegar.....	N-4963	Kings	100	.....	
A-743	7	Vinegar	O-1012	Bronx .....	.....	.....
A-744	7	Cider Vinegar.....	O-2306	Westchester .....	.....	.....
A-745	7	Cider Vinegar.....	O-913	Delaware	50	.....	
A-746	7	Cider Vinegar.....	O-916	Sullivan .....	.....	.....

DATE REFERRED TO ATTORNEY		CASE GENERAL		RESULTS	
NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty Costs
	July				
A-747	7	Wrongful Use of Milk Bottles.....		Monroe	.....
A-748	7	Renovated Butter....	O-822	New York.....	\$50
A-749	7	Renovated Butter....	N-4478	New York.....	.....
A-750	7	Renovated Butter....	N-4484	New York.....	.....
A-751	7	Milk	A-5051	Otsego	50
A-752	7	Oleomargarine	A-3519	Kings .....	.....
A-753	7	Milk	A-12517	Montgomery .....	.....
A-754	7	Apple Jelly.....	O-4160	Oneida	50
A-755	7	Veal Loaf.....	O-544	Oneida .....	.....
A-756	7	Veal Loaf.....	N-3672	Jefferson .....	.....
A-757	7	Frankfurt Sausage..	N-4372	Kings	50
A-758	7	Olive Oil.....	N-4046	New York.....	.....
A-759	7	Compound Lemon...	N-4832	Bronx .....	.....
A-760	7	Lard	O-1101	Kings	Discontinued
A-761	7	Compound Lard....	N-4813	Westchester .....	.....
A-762	7	Compound Lemon Extract	N-4974	Kings .....	.....
A-763	7	Lard	O-819	New York.....	.....
A-764	7	Caviar	O-1009	Bronx .....	.....
A-765	7	Boiled Linseed Oil..	M-2465	Yates	100
A-766	7	Raw Linseed Oil....	M-2464	Yates	100
A-767	7	Cider Vinegar.....	N-4486	New York.....	Discontinued
A-768	7	Renovated Butter....	O-820	New York.....	.....
A-769	7	Wrongful Use of Milk Bottles.....		Monroe	.....
A-770	8	Vinegar	O-807	New York.....	.....
A-771	8	Cider Vinegar.....	O-917	Sullivan .....	.....
A-772	8	Feeding Stuffs.....	8310	Cayuga .....	.....
A-773	8	Fertilizers	6081	New York.....	50
A-774	8	Milk	A-13951	Duchess	50
A-775	8	Oleomargarine	A-2393	Bronx	50
A-776	8	Milk	A-9071	Albany	50
A-777	8	Wrongful Use of Milk Bottles.....		Monroe	.....
A-778	8	Bob Veal.....	1639	Madison	Discontinued
A-779	8	Bob Veal.....	2361	Delaware .....	.....
A-780	8	Renovated Butter....	O-1010	Bronx .....	.....
A-781	10	Milk	A-7053	Rockland .....	.....
A-782	10	Imitation Almonds..	N-4988	New York.....	.....
A-783	10	Renovated Butter....	N-4708	New York.....	.....
A-784	12	Oleomargarine	A-3451	New York.....	.....
A-785	12	Cheese	N-4075	Kings	Discontinued
A-786	12	Milk	A-9375	Orange .....	.....
A-787	12	Bob Veal and Foot and Mouth Quar- antine	314-1942-315 1913-1933-1932 1931-1952-1951	Oneida .....	.....
A-788	12	Fertilizers	O-373	New York.....	.....
A-789	12	Lard	N-4833	Bronx .....	.....
A-790	12	Apricots	O-1008	Bronx .....	.....
A-791	12	Compound Lard....	N-4473	New York.....	.....
A-792	12	Parker House Brand Catsup	O-856	New York.....	Discontinued
A-793	12	Lard	O-91	Albany	Discontinued
A-794	12	Cider Vinegar.....	O-100	Albany .....	.....
A-795	12	Cider Vinegar.....	O-2667	Albany .....	.....
A-796	12	Vinegar	N-4954	Kings .....	.....
A-797	12	Cider Vinegar.....	N-4297	Kings .....	.....
A-798	12	White Vinegar.....	O-1021	New York.....	.....
A-799	12	Cider Vinegar.....	O-830	New York.....	.....
A-800	12	Cider Vinegar.....	M-2725	Onondaga .....	.....
A-801	12	Cider Vinegar.....	O-2275	Albany .....	.....
A-802	12	Cider Vinegar.....	O-2299	Albany .....	.....
A-803	13	Rabies Quarantine..		Ulster	Discontinued
A-804	13	Rabies Quarantine..		Ulster	Discontinued
A-805	13	Oleomargarine	A-2395	Kings	Discontinued
A-806	13	Wrongful Use of Milk Bottles.....		Monroe	.....
A-807	13	Frankfurt Sausage..	O-82	Albany .....	.....
A-808	14	Compound Lard....	N-4472	New York.....	.....
A-809	14	Oleomargarine	A-2398	Kings	Discontinued
A-810	14	Cider Vinegar.....	M-2331	Monroe .....	.....
A-811	15	Cider Vinegar.....	O-468	Oneida	Discontinued
A-812	16	Cider Vinegar.....	O-1653	Rensselaer

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NO.	1915						Penalty	Costs		
	July									
A-813	16	Milk	A-8934	Jefferson						
A-814	16	Apricots	O-1020	New York						
A-815	17	Bob Veal	1514	Queens			\$5			
A-816	17	Tuberculin Test.....		Dutchess			100			
A-817	17	Milk	A-8935	Jefferson			50			
A-818	19	Milk	A-9309	St. Lawrence.....			50			
A-819	19	Milk	A-2374	St. Lawrence.....			50			
A-820	19	Milk	A-1946	Albany			50			
A-821	20	Milk	20132	Jefferson			50			
A-822	19	Bob Veal.....	1771-1772-1773 1774-1775-1776	Oneida			10			
A-823	20	Milk	A-12516	Saratoga			50			
A-824	20	Oleomargarine	A-2873	New York.....			Sentence			
							Suspended			
A-825	20	Imitation Vanilla Flavor	N-4959	New York.....						
A-826	20	Frankfurters	N-4965	Kings						
A-827	20	Cider Vinegar.....	O-2252	Albany						
A-828	21	Cider Vinegar.....	N-1670	Schenectady			Discontinued			
A-829	21	Cider Vinegar.....	N-1662	Schenectady						
A-830	21	Cider Vinegar.....	N-1665	Schenectady						
A-831	21	Cider Vinegar.....	O-120	Schenectady			Discontinued			
A-832	21	Oleomargarine	A-1944	New York.....			Sentence			
							Suspended			
A-833	21	Oleomargarine	A-2380	New York.....			100			
A-834	21	Oleomargarine	A-2385	Bronx			100			
A-835	21	Oleomargarine	A-2887	New York.....			100			
A-836	21	Oleomargarine	A-2888	New York.....			Def. was fined			
							\$250 or 30 days			
							in the City			
							Prison, Court			
							of Spec. Ses-			
							sions.			
A-837	21	Oleomargarine	A-2791	New York.....			250			
A-838	22	Milk	A-12953	Dutchess			50			
A-839	22	Milk	A-9111	Albany						
A-840	22	Milk	A-1945	Albany						
A-841	22	Milk	A-547	Chautauqua			30 a-c			
A-842	22	Cider Vinegar.....	M-2360	Cayuga						
A-843	22	Cider Vinegar.....	N-2993	Erie			Discontinued			
A-844	22	Feeding Stuffs.....	7596	Westchester			50			
A-845	22	Mayonnaise	O-879	New York.....			Discontinued			
A-846	22	Lemon Extract.....	N-4044	New York.....						
A-847	22	Lard	O-885	Kings						
A-848	22	Extract of Lemon...	O-1032	New York.....						
A-849	22	Lard	O-967	Queens						
A-850	22	Catsup	O-1033	Bronx						
A-851	22	Cherries	M-2342	Monroe						
A-852	22	Vanilla Compound..	M-2225	Chemung			Discontinued			
A-853	20	Bob Veal.....	1549-1546-1544	Queens			15			
A-854	23	Bob Veal.....	1627	Chenango			10			
A-855	23	Cream	1021	Schoharie			50			
A-856	23	Milk	A-4056	Cattaraugus			50			
A-857	23	Substitute Vanilla Flavor	N-4367	Kings						
A-858	23	Tomato Ketchup....	O-833	New York.....						
A-859	24	Prepared Mustard...	N-4999	New York.....						
A-860	24	Raspberry Imitation Flavor	N-2096	Allegany						
A-861	24	Prepared Mustard...	N-4966	Kings			Discontinued			
A-862	24	Feeding Stuffs.....	7722	Ulster						
A-863	24	Milk	A-9675	Wayne			50			
A-864	23	Vanilla	N-4371	Kings			Discontinued			
A-865	26	Lemon Extract.....	N-4976	Kings						
A-866	26	Apricots	O-1025	Bronx						
A-867	26	Lemon Extract.....	O-1016	Bronx						
A-868	26	Milk	A-3961	Cattaraugus			50			
A-869	26	Wrongful Use of Milk Bottles.....		Monroe			50			
A-870	27	Egg Macaroni.....	O-1041	Bronx						
A-871	27	Lemon Flavored Jellie	O-1005	Bronx						
A-872	27	Lard	O-1112	New York.....			50			
A-873	27	Flour	N-4482	New York.....						
A-874	27	Lemon Extract.....	N-4043	New York.....						
A-875	27	Onion Seasoning....	O-2530	Oneida						

DATE REFERRED TO ATTORNEY						RESULTS	
CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY		Penalty	Costs
NO.	1915						
	July						
A-876	27	Bob Veal.....	1645-1630	Jefferson		\$10	.....
A-877	27	Milk	A-9115	Albany		50	.....
A-878	27	Milk	19237	Tompkins		50	.....
A-879	27	Oleomargarine	A-1802	New York.....		50	.....
A-880	27	Imported Spaghetti.	O-4189	Oneida		Discontinued	
A-881	27	Imitation Strawberry Flavor	O-1052	New York.....		.....	.....
A-882	28	Flour	N-4483	New York.....		.....	.....
A-883	28	Lemon Extract.....	N-4045	New York.....		.....	.....
A-884	28	Imitation Pineapple Flavor Jelly.....	N-4089	Kings .....		.....	.....
A-885	28	Doughnut Flour.....	O-4276	Oneida .....		.....	.....
A-886	28	Veal Loaf.....	O-202	Oneida .....		.....	.....
A-887	28	Mustard	O-535	Oneida .....		.....	.....
A-888	28	Veal Loaf.....	O-4282	Oneida .....		.....	.....
A-889	28	Hamburg Steak.....	O-4229	Oneida .....		.....	.....
A-890	28	Sour Krout.....	N-3943	Oneida .....		.....	.....
A-891	28	Hamburg Steak.....	O-4639	Onondaga .....		.....	.....
A-892	28	Compound Vinegar.	N-1637	Montgomery .....		.....	.....
A-893	28	White Vinegar.....	N-1627	Montgomery .....		.....	.....
A-894	28	Milk	17143	Oswego		50	.....
A-895	28	Cheese	O-201	Oneida .....		.....	.....
A-896	28	Milk	A-13956	Dutchess		50	.....
A-897	28	Wrongful Use of Milk Bottles No. 36		New York.....		.....	.....
A-898	28	Milk	A-9679	Monroe		50	.....
A-899	28	Agric. Seed	1757	Onondaga		50	.....
A-900	28	Violation Rabies Quarantine		Ulster		Discontinued	
A-901	26	Feeding Stuffs.....	8318	Jefferson		50	.....
A-902	28	Wrongful Use of Milk Bottles No. 36		Monroe .....		.....	.....
A-903	28	Wrongful Use of Milk Bottles No. 26		Monroe .....		.....	.....
A-904	29	Cider Vinegar.....	O-317	Oneida		100 this case and cases No. A-905, A-906, A-907.	.....
A-905	29	Cider Vinegar.....	O-2613	Oneida		100 this case and cases No. A-904, A-905, A-907.	.....
A-906	29	Vinegar	O-323	Oneida		100 this case and cases No. A-904, A-905, and A-907.	.....
A-907	29	Cider Vinegar.....	O-522	Oneida		100 this case and cases No. A-904, A-905, A-906.	.....
A-908	29	Cider Vinegar.....	O-6514	Oneida		50	.....
A-909	29	Lard	O-976	New York.....		.....	.....
A-910	29	Prepared Cake Flour	N-4492	New York.....		.....	.....
A-911	29	Lard	N-4718	New York.....		.....	.....
A-912	29	Rabies Quarantine..		Oneida .....		.....	.....
A-913	29	Bob Veal.....	1688	New York.....		5	.....
A-914	30	Agric. Seed.....	2120	Chemung		Discontinued	
A-915	30	Apricots	O-1029	New York.....		50 this case and case No. A-916.	.....
A-916	30	Apricots	O-1028	Bronx		50 this case and case No. A-915.	.....
A-917	30	Pure Lard.....	O-975	New York.....		.....	.....
A-918	30	Milk	A-12522	Washington		50	.....

DATE REFERRED TO ATTORNEY		CASE GENERAL		RESULTS	
NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty Costs
	July				
A-919	30	Wrongful Use of Milk Bottles.....		Monroe .....	.....
A-920	30	Milk	A-4870	Franklin	\$50
A-921	30	Wrongful Use of Milk Bottles.....		Monroe .....	.....
A-922	30	Lard Compound.....	N-4471	New York.....	.....
A-923	30	Olive Oil.....	N-4711	New York.....	.....
A-924	30	Pork Sausage.....	N-3802	Oneida	Discontinued
A-925	30	Lard	O-1115	New York.....	.....
A-926	30	Imitation Vanilla....	O-1106	Kings .....	.....
A-927	31	Wrongful Use of Milk Bottles No. 36		Kings .....	.....
A-928	31	Milk	8130	Oneida	50
A-929	31	Milk	A-7937	New York.....	.....
A-930	31	Rabies Quarantine..		Orange .....	.....
A-931	31	Violation of Sec. 64-a False Certificate.		Herkimer .....	.....
A-932	31	Olive Oil.....	O-977	New York.....	50
A-933	31	Cheese	O-4134	Oneida	Discontinued
A-934	31	Lard	N-4709	New York.....	.....
A-935	31	Lard	O-842	New York.....	.....
A-936	31	Fertilizers	6784	Otsego	50
A-937	31	Turpentine	O-912	Delaware .....	.....
A-938	31	Agric. Seed.....	2096	Cayuga .....	.....
	August				
A-939	2	Wrongful Use of Milk Bottles No. 25		Monroe .....	.....
A-940	2	Wrongful Use of Milk Bottles No. 20		Monroe	Discontinued
A-941	2	Wrongful Use of Milk Bottles No. 19		Monroe .....	.....
A-942	2	Wrongful Use of Milk Bottles No. 23		Monroe .....	.....
A-943	2	Wrongful Use of Milk Bottles No. 28		Monroe .....	.....
A-944	2	Milk	A-8639	Onondaga	50
A-945	2	Lard	O-1114	New York.....	.....
A-946	2	Olive Oil.....	N-4717	New York.....	Discontinued
A-947	2	Fertilizers	6770	Otsego	50
A-948	2	Fertilizers	6653	Genesee	50
A-949	3	Milk	A-9191	Putnam .....	.....
A-950	3	Milk	A-12515	Rensselaer .....	.....
A-951	3	Cider Vinegar.....	O-2419	Oneida	Discontinued
A-952	3	Feeding Stuffs.....	8033	Nassau .....	.....
A-953	3	Evaporated Peaches.	O-4318	Oneida	Discontinued
A-954	3	Rice	O-4209	Oneida .....	.....
A-955	3	Apricots	O-4203	Oneida .....	.....
A-956	3	Table Relish.....	O-4201	Oneida .....	.....
A-957	3	Imitation Vanilla Flavor	N-4996	Kings	50
A-958	3	Lard	O-823	New York.....	.....
A-959	3	Raspberry Syrup....	O-1158	Kings .....	.....
A-960	3	Fertilizers	O-553	Suffolk	50
A-961	3	Fertilizers	4844	Westchester .....	.....
A-962	3	Fertilizers	4843	Westchester .....	.....
A-963	3	Fertilizers	5900	Onondaga	50
A-964	4	Lard	N-311	Columbia .....	.....
A-965	4	Fertilizers	O-802	New York.....	50
A-966	5	Lemon Flavor.....	O-1163	New York.....	.....
A-967	5	Lemon Flavor.....	N-2327	Genesee .....	.....
A-968	5	Jelly	N-4042	New York.....	.....
A-969	5	Lard	N-4716	New York.....	.....
A-970	6	Milk	A-9199	Dutchess	Discontinued
A-971	6	Maple Sugar Cakes, Imitation	O-2468	Oneida	50
A-972	6	Jelly	N-4049	New York.....	.....
A-973	7	Fertilizers	5979	Chautauqua .....	.....
A-974	9	Milk	19238	Tompkins	50
A-975	9	Milk	A-13955	Dutchess	50
A-976	9	Rabies Quarantine..		Herkimer	Discontinued

DATE REFERRED TO ATTORNEY						RESULTS	
CASE GENERAL	NO.	1915	KIND OF CASE	LABEL NO.	COUNTY	Penalty	Costs
		August					
A-977	9		Cotton Seed and Olive Oil.....	N-4808	New York.....	Discontinued	
A-978	9		Extract Lemon.....	O-2665	Albany	Discontinued	
A-979	9		Meat Loaf.....	O-320	Oneida		
A-980	9		Catsup	O-837	New York.....	\$100	
A-981	9		Rabies Quarantine..		Chenango	Discontinued	
A-982	11		Milk	A-8271-A-8272	Chemung	50	
A-983	12		Fertilizers	O-310	Otsego	50	
A-984	13		Milk	A-13005	Fulton		
A-985	13		Milk	A-1342	Schenectady	50	
A-986	13		Turpentine	O-1677	Rensselaer		
A-987	14		Milk	A-12551	Broome	50	
A-988	16		Catsup	O-839	New York.....		
A-989	18		Milk	A-1950	Rensselaer	50	
A-990	18		Butter	O-2309	Orange	50	
A-991	19		Process Butter.....	N-2982	Niagara		
A-992	21		Feeding Stuffs.....	7722	Ulster	50	
A-993	23		Milk	A-7055	Westchester	50	
A-994	24		Rabies Quarantine..		Albany	Discontinued	
A-995	25		Milk	A-13006	Fulton	50	
A-996	27		Milk	A-1939	Schenectady	50	
A-997	30		Oleomargarine	A-3484	Queens		
A-998	30		Oleomargarine	A-3483	Queens		
		September					
A-999	3		Fertilizers	6765	Oneida	Discontinued	
A-1000	8		Fertilizers	O-147	Yates	50	
A-1001	8		Imitation Vanilla Flavor	N-4987	New York.....		
A-1002	8		Tomato Catsup.....	O-843	New York.....	50	
A-1003	9		Milk	A-6385	Kings	50	
A-1004	10		Milk	A-10358	Kings		
A-1005	10		Milk	A-10556	New York.....	50	
A-1006	10		Milk	A-7635	New York.....	50	
A-1007	10		Milk	A-7993	Kings	50	
A-1008	10		Boiled Linseed Oil..	O-1325	New York.....		
		August					
A-1009	13		Milk	A-9001	Sullivan	50	
A-1010	19		Rice		Oneida	50	
A-1011	19		Rice		Oneida	50	
A-1012	19		Peaches and Apri- cots		Oneida	50	
A-1013	19		Peaches and Apri- cots		Oneida	50	
		September					
A-1014	13		Oleomargarine	A-3461	New York.....		
A-1015	13		Milk	A-10356	Kings		
A-1016	13		Action on Bond....		Kings		
A-1017	14		Milk	A-6390	Kings		
A-1018	14		Milk	A-10231	New York.....		
A-1019	14		Milk	A-5708	New York.....		
A-1020	14		Milk	A-5707	New York.....		
A-1021	14		Milk	A-7985	Queens		
A-1022	14		Milk	A-10178	New York.....		
A-1023	14		Worcestershire Sauce	O-1024	New York.....	100	
A-1024	14		Rabies Quarantine..		Oneida		
A-1025	15		Milk	A-7633	New York.....		
A-1026	15		Milk	A-7277	Bronx	50	
A-1027	15		Milk	A-10353	Kings		
A-1028	15		Milk	A-7639	New York.....		
A-1029	15		Milk	A-10367	Kings		
A-1030	15		Imitation Maple Flavor	N-4493	New York.....	50	
A-1031	16		Taragon Vinegar....	N-4843	New York.....		
A-1032	16		Milk	A-10133	Kings		
A-1033	16		Milk	A-7947	New York.....		
A-1034	16		Milk	A-10119	Kings	50	
A-1035	16		Milk	A-7945	New York.....		
A-1036	17		Milk	A-7650	New York.....		
A-1037	17		Vinegar	O-1048	New York.....		
A-1038	17		Cider Vinegar.....	N-2990	Erie		
A-1039	18		Extract of Vanilla..	N-4969	Kings	50	
A-1040	18		Milk	A-7632	New York.....	50	
A-1041	18		Milk	A-7627	New York.....	50	
A-1042	18		Rabies Quarantine..		Washington		
A-1043	20		Oleomargarine	A-3455	New York.....	50	
A-1044	21		Feeding Stuffs.....	8424	Chemung		

DATE		REFERRED TO		ATTORNEY		CASE GENERAL		KIND OF CASE	LABEL NO.	COUNTY	RESULTS	
NO.	1915										Penalty	Costs
	September											
A-1045	22	Feeding Stuffs.....	S156	Dutchess		\$50						
A-1046	22	Lard	N-4856	Kings								
A-1047	22	Lard	N-4853	Kings								
A-1048	22	Boiled Linseed Oil..	O-1333	Bronx		100						
A-1049	23	Lard Compound.....	N-4489	New York.....								
A-1050	23	Butter	N-2118	Monroe								
A-1051	23	Oleomargarine	N-2119	Monroe								
A-1052	23	Process Butter.....	N-2121	Monroe								
A-1053	23	Oleomargarine	N-2062	Monroe								
A-1054	23	Oleomargarine	N-2001	Monroe								
A-1055	24	Milk	A-9114	Albany								
A-1056	24	Chow-Chow	O-126	Schenectady								
A-1057	24	Mapeline	O-2297	Albany								
A-1058	24	Lard	O-573	New York.....								
A-1059	24	Rabies Quarantine..		Oneida								
A-1060	24	Rabies Quarantine..		Chenango								
A-1061	24	Rabies Quarantine..		Oneida								
A-1062	25	Artificial Vanilla....	O-1159	New York.....								
A-1063	25	Milk	A-5018	Otsego		50						
A-1064	25	Milk	A-5052	Oneida		50						
A-1065	25	Salad Cream.....	O-2670	Albany								
A-1066	28	Milk	17145	Oneida		50						
A-1067	28	Milk	A-13011	Montgomery		50						
A-1068	28	Milk	A-2375	St. Lawrence.....		50						
A-1069	28	Milk	17144	Lewis		50						
A-1070	28	Milk	A-5403	Chautauqua		50						
A-1071	28	Agric. Seed.....	1230	Monroe		50						
A-1072	29	Milk	A-8138	Cayuga		50						
A-1073	29	Milk	A-5401	Cattaraugus								
A-1074	29	Milk	A-8375	Wyoming		50						
A-1075	29	Milk	A-4873	Clinton		50						
A-1076	29	Milk	A-13007	Rensselaer		50						
A-1077	29	Malted Milk.....	O-1089	New York.....								
A-1078	29	Renovated Butter...	O-1049	Bronx								
A-1079	30	Milk	6391	Kings								
A-1080	30	Milk	A-10377	Kings								
A-1081	30	Milk	8131	Otsego		50						
A-1082	30	Milk	8132	Oswego		100						
A-1083	30	Milk	A-8378	Wyoming		50						
A-1084	30	Catsup	O-841	Kings								
A-1085	30	Rice	O-882, O-898	Kings								

REPORT OF BUREAU OF DAIRY PRODUCTS, FOODS, AND FERTILIZERS AND FEEDING STUFFS

By EDWARD F. BURKE, *Agent in Charge of Bureau*

The enforcement of certain provisions of the Agricultural Law are under the supervision of the Bureau of Dairy Products; to wit:

Article III, relating to dairy products (except certain features of sections 45 and 55; viz., those features in relation to the issuing of licenses to persons who have charge of milk gathering stations and the issuing of licenses to persons to purchase milk in the State of New York for certain purposes, which during the year have been under the supervision of the Superintendent of Licenses): Article IV, in relation to vinegar; Article VII, relating to concentrated commercial feeding stuffs; Article VIII, in relation to food and food products; Article IX, relating to commercial fertilizer; Article X, relating to turpentine, linseed, and flaxseed oil; Article XI, relating to evaporated apples; Section 302, 314, and 315 of Article XIV, relating to honey and maple syrup and maple sugar; Article XV, relating to the inspection and sale of seeds.

DAIRY PRODUCTS

Article III of the Agricultural Law is composed of thirty-one section, and includes that part of the Agricultural Law relating to the care and feed of cows and the keeping of the produce therefrom: regulates the sale of milk and cream; gives regulations in regard to butter and cheese manufacture and in relation to marking of jars or bottles and to their use by persons other than the owner: gives regulations in regard to condensed milk and the manufacture and sale of imitation of butter, oleomargarine, and imitation cheese; gives regulations in regard to unclean receptacles and places for keeping of milk in sanitary cans and receptacles and the cleansing of same; provides for the issuing of cheese brands to

cheese manufacturers and regulates the use thereof; provides for county trade-marks and as to the manner and method of inspection.

The work performed under the provisions of this article may be given in the aggregate as follows:

Stables scored	2622
Cheese brands issued	752
Sanitary inspections made of butter and cheese factories and milk stations	526
Butter and cheese factories and milk stations found insanitary	95
Butter and cheese factories and milk stations where objectionable conditions have been remedied	52
Butter and cheese factories and milk stations still insanitary	43
Sanitary inspections made of city milk depots	112
City milk depots found insanitary	1
Total number of sanitary inspections made, including factories and milk depots	638
Milk samples received from state institutions and tested for butter fat	1000
Inspections made of butter for the state institutions	341
Inspections of eggs made at state institutions	169
Inspections of cheese made at state institutions	16
Official evidence of cheese samples referred to Legal Bureau	263
Official evidence of cream samples referred to Legal Bureau	40
Official evidence of milk samples referred to Legal Bureau	618
Official evidence of oleomargarine samples referred to Legal Bureau	36
Official evidence of butter samples referred to Legal Bureau	81
Official evidence of condensed milk samples referred to Legal Bureau	6
Official evidence of evaporated milk samples referred to Legal Bureau	7
Official evidence referred to Legal Bureau for illegal use of milk bottles	67

CHEESE BRANDS

Seven hundred and fifty-two whole milk cheese brands have been issued to cheese manufacturers in the State. The following is a copy of the brand:

NEW YORK STATE		
State Brand		
HYR	(N Y S)	No.
1915	(Monogram)
Whole Milk Cheese		

Each brand used bears a different number, no two manufacturers having the same number, and they are used under the provisions of section 48 of the Agricultural Law, which provides that

the brand shall be used upon nothing but cheese made from whole milk. The use of this brand is not compulsory, but permissible under the statute. The person desiring to use the brand must make application under the statute to the Commissioner of Agriculture, who thereafter issues to him a brand which cannot be used upon any cheeses except those made in the factory for or to which it is issued.

The brands issued during the year were to the following factories:

Allegany County

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Allentown	Allentown	Riley Allen, Allentown
Angelica Creamery & Cheese Factory....	Angelica	James A. Hogue, Angelica
Beach Hill.....	Wellsville	F. F. Phillips, Wellsville
Belfast	Belfast	Fillmore, Belfast
		Dairy Products Co., Fillmore
Belmont Condensery.	Belmont	Howell Condensed Milk and Cream Co., 144 Provost St., Jersey City, N. J.
Birdsall Cheese Factory	Whitney's Cross.	Ross Huhn, Angelica
Birdsall Center.....	Hornell	Hornell Sanitary Dairy Co., Hornell
Black Creek.....	Black Creek.....	Howell Condensed Milk and Cream Co., Jersey City, N. J.
Brookside	Rushford	Geo. N. Cauer, Rushford
Brown & Bailey.....	Andover	Brown & Bailey Condensed Milk Co., Brooklyn
Caneadea	Caneadea	Fillmore Belfast Dairy Products Co., Fillmore
Centerville	Centerville	Fillmore Belfast Dairy Products Co., Fillmore
Clarksville Center....	W. Clarksville...	M. M. Congdon, W. Clarksville
Cold Spring.....	Angelica	A. S. Phinney, Angelica
Crawford Creek....	Caneadea	J. F. Murdough, Caneadea
Cryder Creek Cheese Factory	Whitesville	Bryce Hardware Co., Wellsville
Dairy Dept., State School of Agriculture	Alfred	State School of Agriculture, Alfred
Five Corners.....	Almond	E. E. Potter, Almond
Ford's Brook.....	Wellsville	M. N. Costello, Wellsville
Forest	W. Clarksville ..	M. N. Congdon, W. Clarksville
Friendship	Friendship	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Hallsport	Wellsville	M. N. Costello, Wellsville
Hardys	Cuba	C. E. Pettit, Cuba
Heller Hill.....	Cuba	E. S. Moses, Cuba
Houghton	Houghton	Fillmore Belfast Dairy Products Co., Fillmore
Howell	Cuba	Howell Condensed Milk & Cream Co., Jersey City, N. J.

Allegany County—Continued

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Howell Condensed Milk & Cream Co..	Belvidere	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Howell Condensed Milk & Cream Co..	Scio	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Inavale	Friendship	B. C. Pierce, Friendship
Jersey Hill	Arkport	D. Manning, Arkport
Karr Valley	Almond	D. C. Basted, Almond
Kelloggville	Caneadea	F. W. Hogg, Cuba
Key Stone	Angelica	J. McCubbon, Angelica
Lafferty	Cuba	W. N. Pettit, Cuba
Little Genesee	Little Genesee	J. E. Case, Turtle Point, Pa.
McGranville	Black Creek	F. W. Hogg, Cuba
Mt. Monroe	Cuba	Oliver Rehle, Cuba
New Empire	Angelica	Ross Hulin, Angelica
New Hudson Center ..	Black Creek	Geo. Sowersby, Black Creek
New Union	Fillmore	F. Eberhardt, Fillmore
North Branch	Black Creek	J. H. Boller, Black Creek
North Hill	Wellsville	C. C. Hall, Wellsville
Nusbickel	Dalton	Chas. Nusbickel, Dalton
Oramel	Oramel	Fillmore Belfast Dairy Products Co., Fillmore
Parker Factory	Dalton	F. Stewart, Dalton
Petrolia Cheese Factory	Wellsville	Petrolia Cheese Company, Wellsville
Phillips' Creek	Belmont	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Podonque	Houghton	P. B. Loftis, Houghton
Pratt's Mills	Houghton	W. R. Harris, Rushford
Ramson	Cuba	F. W. Hogg, Cuba
Richburg Cheese Factory	Richburg	J. B. Howden, Shinglehouse, Pa.
Rockville	Rockville	Fillmore Belfast Dairy Products Co., Fillmore
Rushford	Rushford	F. W. Hogg, Cuba
Shongo Cheese Factory	Willing	E. J. Johnson, Shongo
Short Tract	Fillmore	Fillmore Belfast Dairy Products Co., Fillmore
Slater Creek	Canaseraga	C. S. Swain, Canaseraga
South Bolivar	Bolivar	B. F. Hayward, Bolivar
South Cuba	Cuba	E. S. Moses, Cuba
South Eagle	Bliss	W. R. Harris, Rushford
South Valley Cheese Factory	Canaseraga	Mary Moore, Canaseraga
Star	Fillmore	W. R. Harris, Rushford
Vandemark	Scio	Dodge & Tucker, Scio
Wadsworth Hill	Scio	F. W. Brodie, Scio
Wellsville Factory No. 1	Wellsville	Edna B. Gilbert, Wellsville
West Almond	Almond	Albert A. Raymond, Almond
West Branch	Farmersville	F. W. James, Farmersville
West Hill	Cuba	F. W. Hogg, Cuba
West Nile	Nile	Henry Wyant, Nile
White Creek	Black Creek	Fillmore Belfast Dairy Products Co., Fillmore
Whitesville Dairy Co.	Whitesville	J. A. Crittenden, Whitesville

Allegany County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Willets Est. Creamery	Belmont	Isaac Willets Est., Belmont
Wilson Farm.....	Black Creek.....	E. S. Moses, Cuba
Wirt Center.....	Friendship	Wyant & Son, Nile
Wiscoy	Rosburg	Fillmore Belfast Dairy Products Co., Fillmore
Withey	Belmont	Howell Condensed Milk & Cream Co., Jersey City, N. J.

Broome County

Center Lisle Creamery	Center Lisle.....	Borden's Condensed Milk Co., New York City
Crystal Springs Creamery	Center Lisle.....	High Ground Dairy Co., Brooklyn
Kinney Bros.....	Maine	Ralph Hinsdale, Maine
Overlook	Upper Lisle	Borden's Condensed Milk Co., New York City

Cattaraugus County

Abbotts No. 2.....	Franklinville	John McCarthy, Franklinville
Abbotts Union.....	Cuba	Orson Roat, Cuba
Ashford Hollow.....	West Valley.....	C. D. Bond, Springville
Ashford Junction....	Ashford	E. L. Jones, Delevan
Axville	Conewango Valley	H. S. Sweetland, South Dayton
Baker Stand.....	Machias	E. L. Jones, Delevan
Bedford Corners.....	Portville	E. L. Jones, Delevan
Bellows	West Valley.....	I. B. Neff, West Valley
Block	Delevan	E. L. Jones, Delevan
Broadway Cheese Fac- tory	Gowanda	J. F. Hansen, Gowanda
Bryant Hill No. 16...	Franklinville	W. L. Hogue & Son, Hinsdale
Bucktooth Cheese Factory	Little Valley....	Ira Marsh, Little Valley
Bullockville	Franklinville	Geo. E. Hogue, Arcade
Canada Hill.....	Machias	E. L. Jones, Delevan
Conewango Creamery.	Conewango	Rich's Jersey Creamery, Cattaraugus
Cottage	So. Dayton.....	H. S. Sweetland, So. Dayton
Dayton Creamery....	Dayton	Rich's Jersey Creamery, Cattaraugus
Crescent	Gowanda	Gibby & Evans, Cattaraugus
Delevan	Delevan	E. L. Jones, Delevan
Dutch Hill.....	Hinsdale	T. W. Elting, Hinsdale
Eagle	East Otto.....	Gibby & Evans, Cattaraugus
East Hill.....	Franklinville	W. L. Hogue & Son, Hinsdale
East Otto No. 2.....	East Otto.....	Gibby & Evans, Cattaraugus
East Valley No. 1....	Ellicottville	G. C. Wulff, Ellicottville
East Valley No. 2....	Ellicottville	G. C. Wulff, Ellicottville
Elgin	Franklinville	Will Harris, Rushford
Elko Cheese Factory..	Tunesassa	Chas. Fuller, Elko
Fairview	Farmersville Sta.	E. L. Jones, Delevan
Fay Hollow.....	Olean	F. W. Hogg & Co., Cuba
Farmersville Sta....	Farmersville Sta.	Geo. E. Hogue, Arcade
Farmersville Center..	Farmersville Sta.	Geo. E. Hogue, Arcade
Fivemile No. 15.....	Allegany	W. L. Hogue & Son, Hinsdale
Fivemile No. 7.....	Humphrey	W. L. Hogue & Son, Hinsdale
Five Mile Union.....	Allegany	J. L. Schmidt, Allegany
Four Mile Union.....	Allegany	H. F. Marting, Allegany

Cattaraugus County—Continued

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Franktown	Springville, R. 4.	C. D. Bond, Springville
Glen Brook	West Valley.....	E. L. Jones, Delevan
Glen Brook No. 2....	Great Valley....	N. D. Walrath & M. T. Ryan, Great Valley
Glen Brook No. 3....	Great Valley....	N. D. Walrath & M. T. Ryan, Great Valley
Grand Central.....	Franklinville ...	Ryan & Walrath, Great Valley
Haskell No. 2.....	Cuba	F. M. Clayton, Cuba
Hinman Valley.....	Ellicottville	Martha Jenkel, Ellicottville
Holmes Farm.....	Farmersville	W. F. Holmes, Farmersville
Howell Condensed Milk & Cream Co..	Hinsdale	Howell Condensed Milk & Cream Co., Jersey City
Humphrey Center No. 6	Humphrey	W. L. Hogue & Son, Hinsdale
Irish Hill.....	Ashford	E. L. Jones, Delevan
Klens	Cattaraugus	W. H. Klens, Cattaraugus
Laidlaw	Franklinville ...	Geo. E. Hogue, Arcade
Laidlaw Hill.....	Franklinville ...	W. L. Hogue & Son, Hinsdale
Lebanon	Randolph	E. L. Jones, Delevan
Lime Brook.....	Otto	P. F. Jark, Otto
Lime Lake.....	Lime Lake.....	Queen City Dairy Co., Buffalo
Limestone	Limestone	B. Bissell, Mgr., Limestone
Lower Haskel.....	Olean	E. L. Jones, Delevan
Lyndon Cheese Co...	Franklinville ...	E. N. Case, Franklinville
McKinstry	Delevan	E. L. Jones, Delevan
Maplehurst	Hinsdale	F. W. Elting, Hinsdale
Maynard	East Otto	Gibby & Evans, Cattaraugus
Markhams Cooperative	South Dayton....	Chas. Beaver, South Dayton
Napoli Dairymen's Assn.	Napoli	Napoli Dairymen's Assn., Napoli
Nine Mile Union....	Allegany	L. S. Fish, Allegany
North Perrysburg....	Perrysburg	No. Perrysburg Dairy Assn., Perrysburg
Perrysburg	Perrysburg	H. S. Sweetland, So. Dayton
Peaslee	Conewango Valley	H. S. Sweetland, So. Dayton
Plato	Ellicottville	John H. Wulff, Ashford
Randolph	Randolph	Carpenter Bros., Randolph
Red House.....	Red House.....	Eugene Whaley, Red House
Riceville	West Valley....	E. L. Jones, Delevan
Rich's Jersey Creamery Plant No. 1....	Cattaraugus	Rich's Jersey Creamery Co., Cattaraugus
Rock Spring.....	Franklinville ...	G. M. Woodruff, Franklinville
Ross No. 1.....	Gowanda	E. P. Ross, Gowanda
Scott's Corners.....	East Otto	Gibby & Evans, Cattaraugus
Sommerville Valley..	Ellicottville	E. L. Jones, Delevan
Spring Brook No. 1..	New Albion....	C. J. Buskist, Cattaraugus
Spring Brook No. 4..	Gowanda	H. J. Gold, Gowanda
Steamburg	Steamburg	H. S. Sweetland, So. Dayton
Stone	Franklinville ...	W. J. Bush, Franklinville
Sugartown No. 4....	Humphrey	W. L. Hogue & Son, Hinsdale
The Empire.....	Cattaraugus	John Eggen, Cattaraugus
Union	East Otto	Gibby & Evans, Cattaraugus
Union Hill.....	Cuba	E. W. Dudley, Cuba
Vedder Corners.....	Ashford	J. H. Wulff, Ashford

Cattaraugus County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Wesley Cheese Factory	Gowanda	Albert Howard, Gowanda
West Valley	West Valley	E. L. Jones, Delevan
West Yorkshire	Yorkshire	E. L. Jones, Delevan
White Schoolhouse	Machias	E. L. Jones, Delevan
Wright No. 8	Great Valley	W. L. Hogue & Son, Hinsdale
Moravia Elgin Creamery	Moravia	G. N. Stone, Moravia
Moravia	Moravia	R. C. Coon, Moravia
Covert Cheese Factory	Moravia	Dwight Covert, Moravia
Sayles Corners	Moravia	S. S. Brown & Co., New York City

Chautauqua County

Abbey Cheese Factory	Cherry Creek	E. T. Grant, Cherry Creek
Arkwright Center	Fredonia	F. W. Horton, Fredonia
Arkwright Union	Cassadaga	W. C. Ridout, Cassadaga
Bemus Point	Bemus Point	J. B. Kelly, Bemus Point
Charlotte Union	Sinclairville	A. C. Andrus, Cherry Creek
Clear Creek	Conewango Valley	H. S. Sweetland, South Dayton
Coldwater	Kennedy	H. S. Sweetland, Kennedy
Dean	Mayville	I. N. Gampp, Stockton
Dry Brook	Falconer	H. S. Sweetland, So. Dayton
Ellington	Ellington	W. J. Boberg, Ellington
Empire	Forestville	H. S. Sweetland, So. Dayton
Findley Lake	Findley Lake	C. C. Webber, Findley Lake
French Creek	Clymer	French Creek Dairy Co., Clymer
Gerry Hill	Gerry	H. S. Sweetland, So. Dayton
Goshen	No. Clymer	F. J. Wheeler, No. Clymer
Hamlet	Hamlet	H. S. Sweetland, So. Dayton
Kennedy	Kennedy	H. S. Sweetland, So. Dayton
Moons	Moons	I. N. Gampp, Stockton
Nashville	Forestville	H. S. Sweetland, So. Dayton
Niobe	Niobe	B. A. Bullock, Niobe
Phillips	Dewittville	C. W. Phillips, Dewittville
Roods	Sinclairville	A. J. Rood, Sinclairville
Ruttenber	So. Dayton	J. L. Ruttenber, So. Dayton
Spring Valley	Cherry Creek	Chas. L. Frost, Cherry Creek
Stockton	Stockton	I. N. Gampp, Stockton
Supple Alderney Dairy	Mayville	Supple Alderney Dairy Co., Philadelphia, Pa.
Thornton	Cherry Creek	H. S. Sweetland, So. Dayton
Warner	Sinclairville	H. S. Sweetland, So. Dayton
Villanova	So. Dayton	H. S. Sweetland, So. Dayton
West Ellery	Bemus Point	F. W. Stowell, Bemus Point

Chemung County

Brookside	Seeley Creek	Christian & Brownell, Seeley Creek
Henley Creek	Pine City	Will Searl, Pine City

Chenango County

Bainbridge Milk Co.	Bainbridge	Bainbridge Milk Co., Inc., Bainbridge
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Chenango County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Borden's Condensed Milk Co.....	Earlville	Borden's Condensed Milk Co., New York City
Canasawacta	No. Pharsalia....	H. J. Borden, No. Pharsalia
Cooperative Butter & Cheese Factory....	Coventryville ...	Coventryville Cooperative Butter & Cream Co., Coventryville
Cottage Factory....	Sherburne	Wm. Casey, Sherburne
Coventry Creamery..	Coventry	Sullivan Co. Creamery Co., Jeffersonville
Empire State Dairy Co. Condensery....	Green	I. C. Jordan & Co., Green
Galena	No. Norwich....	Otto Gruhn, Brooklyn
Harbor	Green	Charles Powers, Green
Heuer Creamery....	Earlville	Otto Heuer, Jersey City
Hillside Creamery...	Sherburne	A. T. Gahan, Sherburne
Linchlaen Creamery..	Lincklaen	W. M. Pforter, Lincklaen
Parker Creamery....	Guilford Ctr....	Wm. Jorden, Union Hill, N. J.
Plymouth Creamery..	Plymouth	G. W. Shoales, Plymouth
Smithville Center Creamery	Oxford	Fred Dwight, Oxford
South Otselic Creamery & Cheese Factory	South Otselic....	John E. Japhet, So. Otselic
Standard Dairy Co..	Sherburne	Standard Dairy Co., New York City
Wheeler	Cincinnatus	M. F. Bolt, Cincinnatus
Willards Creamery..	Chenango Forks..	Otto Gruhn, Chenango Forks

Clinton County

Fair View.....	Moore's Forks...	Tietjen Bros., New York
Plattsburgh Creamery	Plattsburgh	Boomhower Grocery Co., Plattsburgh
Smithdale Creamery.	Plattsburgh	Boomhower Grocery Co., Plattsburgh
Tietjen Bros. Creamery	Altona	Tietjen Bros., New York

Cortland County

Borden's Condensed Milk Co.....	Marathon	Borden's Condensed Milk Co., New York City
Brookside	Marathon	Lorenzo Conrad, Marathon
East Homer Creamery	East Homer....	Henry Rauch, Brooklyn
Freetown Creamery..	Marathon	L. A. Perce, Marathon
Greten	Blodgett Mills...	R. C. Greten, Hoboken, N. J.
Hibbard	East Homer....	East Homer Creamery Assn., East Homer
Highland Creamery..	Marathon	A. R. Bullock, Marathon
Hunt's Corners Creamery	Marathon	C. G. Stretch, Killawog
Janssen Creamery...	Little York.....	F. W. Janssen, Hoboken, N. J.
McGraw Milk-Shipping Station.....	McGraw	High Ground Dairy Co., McGraw
Marathon Milk Producers' Assn.....	Marathon	Marathon Milk Products Assn., Marathon
Marysburg Creamery.	McGraw	Otto Gruhn, Brooklyn

Cortland County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Messengerville	Messengerville ..	Hudson Milk & Cream Co., Jersey City, N. J.
Naple Shade.....	Marathon	A. E. Doane, Marathon
Sheffield Farms, Slawson-Decker Co.....	Truxton	Sheffield Farms, Slawson-Decker Co., New York City
Standard Dairy Co...	Cuyler	Standard Dairy Co., New York City
Wightman	Marathon	Homer Wightman, Marathon
Young's Crossing....	Cortland	Otto Gruhn, Brooklyn

Dutchess County

Sheffield Farms, Slawson-Decker Co.....	Amenia	Sheffield Farms, Slawson-Decker Co., 524 West 57 St., New York City
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Erie County

Big Four No. 2....	Eden	C. J. Gaylor, Eden
Brookside	Collins Ctr.....	John A. Vance, Lawtons
Clover Leaf Cheese Co.	No. Collins.....	Clover Leaf Cheese Co., No. Collins
Collins Center Co-operative	Collins Center...	T. W. Hickok, Pres., Collins Center
Crown Branch Milk Co.	Denmark	J. E. McGrath, Denmark
Dye	Springville	Earl E. Johnson, Springville
East Concord.....	East Concord....	F. W. Downes, East Concord
Erie No. 1.....	Collins	F. A. Brigham, Collins
Farmers' Favorite...	No. Collins.....	Peter Scheetz, No. Collins
Franklinville Branch	Franklinville ...	Sheffield Farms, Slawson-Decker Co., 524 West 57 St., New York City
Hakes Bridge.....	Sardinia	E. L. Jones, Delevan
Hayes Hollow.....	Glenwood	Jacob Imboden, Glenwood
Lawtons	Lawtons	Queen City Dairy Co., 251 Seneca St., Buffalo
Lawton's Cheese Factory	Lawtons	Lawtons Cheese & Milk Factory, Inc., Lawtons
Markhams	So. Dayton.....	Queens City Dairy Co., 251 Seneca St., Buffalo
Marshfield	Lawtons	John A. Vance, Lawtons
Marshfield No. 2....	Lawtons	John A. Vance, Lawtons
Marshfield No. 3....	Eden	John A. Vance, Lawtons
Perrin Brook.....	Gowanda	M. D. Bull, Gowanda
Pine Brook.....	Gowanda	M. B. Skuse, Gowanda
Prairie Queen.....	Gowanda	Clark White & Son, Collins Center
West Boston.....	Eden	Catherine Wittmeyer, Eden
Woodside	Springville	Edwin H. Russell, Springville
Wyandale	Springville	W. G. Fattey, Springville
Zoar Cheese Factory.	Gowanda	Charles Grimm, East Otto

Franklin County

Brushton	Brushton	Tietjen Bros., New York City
Burke Milk Sta.....	Burke	Mutual Milk & Cream Co., New York City
Sheffield Farms, Slawson-Decker Co.....	Chateaugay	Sheffield Farms, Slawson-Decker Co., New York City

Fulton County

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Ephratah	Ephratah	Norman Getman, Johnstown
Ingham's Mills Dairy Assn.	St. Johnsville ..	F. Ingersoll, St. Johnsville
Sammonsville Milk Co.	Johnstown	Byron Martin, Johnstown
Whitlock, Ira S.	St. Johnsville ..	Ira S. Whitlock, St. Johnsville
Willow Creek	Ephratah	A. C. Pickard, Ephratah

Herkimer County

B. & H.	Mohawk	Charles Shaut, Mohawk
Barto Hill.	Little Falls.	J. W. Ford, Little Falls
Borden's Condensed Milk Co.	W. Winfield.	Borden's Condensed Milk Co., New York City
Bush	Mohawk	L. Springer, Mohawk
Cedarville	Cedarville	Grant Hollenbeck, Cedarville
Cold Brook Cheese Factory	Cold Brook.	F. D. Fox, Cold Brook
Cold Spring.	Ilion	Litchfield Milk Co., Inc., Ilion
Cramer's Cors. Cheese Factory.	Fort Plain.	Cramers Corners Cheese Factory, Ft. Plain
Cullen Cheese Factory	Richfield Spa.	C. Garline, Richfield Spa.
Deck	Mohawk	John D. Cramer, Mohawk
East Winfield Milk Station	Winfield	Standard Dairy Co., New York City
Eatonville Cheese Factory	Little Falls.	W. J. Eaton, Pres., Little Falls
Empire State Dairy Co.	Little Falls.	C. B. Galusha, Little Falls
Fairfield Dairy Assn.	Little Falls.	T. Atkins, Little Falls
German Flats.	Mohawk	F. G. Hinman, Mohawk
Glenside	Little Falls.	D. H. Burrell & Co., Little Falls
Hickory Grove.	Little Falls.	Wm. F. Lansing, Little Falls
Jordanville Milk & Cream Co.	Jordanville	Chas. W. Crim, Jordanville
Keller, A.	Little Falls.	Willard Keller, Little Falls
Lints, S. P.	Frankfort	S. P. Lints, Frankfort
Little Falls Milk Station	Little Falls.	Levy Dairy Co., New York City
Little Falls.	Little Falls.	T. Atkins, Little Falls
McArthur, D.	Grant	D. McArthur, Grant
McCreedy Creamery Station No. 9.	Mohawk	Willow Brook Dairy, Inc., Mohawk
McVoy, R. S.	Cold Brook.	R. S. McVoy, Cold Brook
Maple Grove.	Dolgeville	Isaac Fox, Dolgeville
Middleville Milk Station	Newport	Levy Dairy Co., New York
Middleville Milk & Cream Co.	Middleville	Wm. Kroog, Middleville
Murphy Dairy	Little Falls.	M. J. Murphy, Little Falls
Newport Cooperative Dairy Co.	Newport	Levy Dairy Co., New York
Newville	Little Falls.	Jacob Zoller Co., Little Falls
North Litchfield.	Clayville	Geo. H. Davis, Clayville
North Norway.	Gray	Sylvester Stanley, Gray

Herkimer County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
North Winfield.....	West Winfield...	W. A. Youngs, West Winfield
O'Brien.....	Little Falls.....	Daniel O'Brien, Little Falls
Old Manheim.....	Little Falls.....	Stock Co., Jos. Rice., Pres., Little Falls
Old Salisbury.....	Little Falls.....	M. C. Burritt, Utica
Poland Creamery....	Poland	John E. Rosasco, New York City
Private Dairy.....	Cold Brook.....	C. M. Dicker, Cold Brook
Ransom Cheese Factory	Little Falls.....	Chas. W. Ransom, Little Falls
Ruby Association....	Newport	John Cook, Newport
Samuel Cave.....	Cold Brook.....	C. C. Nellis, Cold Brook
Schell's Bush.....	Herkimer	Mrs. E. S. Gordon, Herkimer
Schuyler Centennial..	Frankfort	Elmer Farrington, Frankfort
Second Avenue Creamery	Herkimer	Lester J. Lovier, Herkimer
Shady Brook.....	Deerfield	Shady Brook Assn., Deerfield
Small Bush.....	Herkimer	Higgins & Keller, Little Falls
Snyder's Home.....	Cold Brook.....	E. N. Snyder, Cold Brook
Star	Herkimer	Chas. A. Shepard, Herkimer
Sunny Side.....	Norway	J. W. Smith, Norway
Van Hornesville....	Van Hornesville..	B. A. Whipple, Utica
West Winfield Milk Station	West Winfield...	H. Amstein, West Winfield

Jefferson County

Antwerp	Antwerp	F. X. Baumert & Co., Antwerp
Bickelhaupt's Factory No. 12.....	Redwood	A. Bickelhaupt, Redwood
Bickelhaupt's Factory No. 18.....	Redwood	A. Bickelhaupt, Redwood
Brookside	Rodman	G. M. Davis, Rodman
Cascade	Watertown	Vernon H. Peck, Watertown
Champion Village....	Carthage	Willey & Tooley, Carthage
Chaumont Dairying Co.	Chaumont	Chaumont Dairying Co., Chaumont
Chaumont Milk Station	Chaumont	Ullman & Hauk, New York City
Columbian	Fine View.....	W. G. Beckwith, Fine View
Diamond	Mannsville	H. A. Roberts, Mannsville
Dickson	Antwerp	F. X. Baumert & Co., Antwerp
Eames	Watertown	H. C. Eames, Watertown
East Rodman.....	East Rodman....	F. P. Dunaway, Watertown
Eureka	Watertown	S. A. Hall, Watertown
Evans Mills.....	Evans Mills.....	F. X. Baumert, Antwerp
Fairview	Clayton	R. P. Grant, Clayton
Farmers	Clayton	R. P. Grant, Clayton
Fox Creek.....	Three Mile Bay..	B. W. Hentz, Three Mile Bay
Frontenac	Clayton	C. G. Emery Est., New York City
Gould	Evans Mills.....	F. X. Baumert & Co., Antwerp
Grindstone	Clayton	R. P. Grant, Clayton
Hadsall & Orris....	Felts Mills.....	Geo. E. Orris, Black River
Halls Corners.....	Antwerp	F. X. Baumert & Co., Antwerp
Henderson	Henderson	Henderson Butter & Cream Assn., Henderson
Hillside	Philadelphia	F. X. Baumert & Co., Antwerp
Hoovers	Sterlingville	F. Hoover & Son, Sterlingville
Indian River.....	Carthage	F. X. Baumert & Co., Antwerp

Jefferson County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Jefferson Valley.....	Theresa	Isaac Schell, Theresa
Keens	Spragueville	Borden's Condensed Milk Co., New York City
Keystone	Carthage	Rockwood & Lewis, Carthage
Line Road.....	Clayton	R. P. Grant, Clayton
Mannsville	Mannsville	Mannsville Dairy Corporation, Mannsville
Mannsville Milk Station	Mannsville	J. H. Muller, New York City
Mount Cheese Factory	Three Mile Bay..	W. N. Mount, Three Mile Bay
New Model Dairy Products Co.....	Henderson	D. B. Phillips, Henderson
North Rodman.....	Adams Center...	Casler, Sill & Dillon, Adams Center
Old Maple Grove.....	Adams	Geo. W. Lalone, Adams
Pamelia Factory.....	Evans Mills.....	F. X. Baumert & Co., Antwerp
Pamelia Center.....	Watertown	Pamelia Center Dairy Co., Watertown
Perry Cheese Factory	Limerick	L. S. Perry, Limerick
Philadelphia	Philadelphia	H. Arnstein, New York
Pierrepont Manor Milk Station.....	Pierrepont Manor	Wm. Slottman, New York
Pleasant Valley.....	Cape Vincent....	Angustus Hopp, Cape Vincent
Rock Brook.....	Evans Mills.....	F. X. Baumert & Co., Antwerp
Rodman Village.....	Rodman	Davis & Casler, Rodman
Rosiere	Rosiere	R. P. Grant, Clayton
Sandy Creek.....	Rodman	O. N. Heath, Rodman
Silver Creek.....	Rodman	J. E. Davis, Rodman
South Champion.....	Copenhagen	Robert Cramer, Copenhagen
Spring	Philadelphia	G. A. Fuller Est., Philadelphia
Sterlingville Creamery	Sterlingville	Wm. L. Staring, Sterlingville
Star Brook.....	Barnes Corners..	M. L. Thompson, Croghan
Sunnyside	Evans Mills.....	F. X. Baumert & Co., Antwerp
Thousand Island.....	Clayton	R. P. Grant, Clayton
Trout Brook.....	Carthage	F. X. Baumert & Co., Antwerp
Tylerville	Copenhagen	D. A. Goodrich, Copenhagen
Warren	Rosiere	Geo. H. Cornaire, Rosiere
Wilna Center.....	Carthage	Jerome Pierce, Carthage
Wilson Bay.....	Cape Vincent....	F. Merchant, Pres., Cape Vincent
Windmill	Watertown	Geo. B. McMullin, Watertown
Worth Center.....	Adams	J. M. O'Connor, Adams

Lewis County

Alex. Campbell Milk Co. Station.....	New Bremen....	M. Casler, New Bremen
Alger	Martinsburg	Geo. W. Alger, Martinsburg
Barnes Corners.....	Barnes Corners..	L. D. Fox, Barnes Corners
Black River Valley..	Lyons Falls.....	G. C. Rogers, Lyons Falls
Boston Brand.....	Lowville	E. H. Wheelar, Lowville
Braytons Cheese Factory	Florence	Albert Schoff, Florence
Cedar Spring.....	Glenfield	C. A. Wetmore, Glenfield
Clover Dale.....	Constableville ...	F. Krambuhl, Constableville
Copenhagen Creamery	Copenhagen	Brown & Bailey Condensed Milk Co., Copenhagen
Crystal Brook.....	Rector	Daniel Ryan, Rector
Dairy Hill.....	Constableville ...	Edward Miller, Constableville

Lewis County—Continued

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Deer River Milk Station	Deer River.....	H. M. Schwarz, Deer River
Denly Milk Station..	Leyden Station..	Henry Arnstein, New York
Eagle	Lowville	Jas. Bellinger, Lowville
E. Martinsburg.....	E. Martinsburg..	E. Martinsburg Cheese & Milk Co., E. Martinsburg
Excelsior	Copenhagen	Thos. Murphy, Copenhagen
Farmers Choice.....	New Bremen....	Alex. Campbell Milk Co., Brooklyn
Fish Creek.....	Constableville ...	Geo. Frank, Mgr., Constableville
Forest Hill.....	Constableville ...	Forest Hill Dairy Co., Constableville
Forks No. 2.....	Copenhagen	A. Guzkosky, Copenhagen
Gomer Hill.....	Turin	Jacob Dirch, Turin
High Market.....	Constableville ...	A. G. Blum, Constableville
Howell Condensed Milk & Cream Co..	Croghan	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Jerden Falls.....	Croghan	Eli Chartrand, Jerden Falls
Katmyer	Boonville	A. G. Blum, Constableville
Kirchnerville	Croghan	P. J. Ulrich, Croghan
Klosner	Constableville ...	Fred Klosner, Constableville
Lakes	Harrisville	E. P. Lake, Harrisville
Legal Tender.....	Constableville ...	J. O'Shea, Constableville
Lowville Milk & Cream Co.....	Lowville	Alex. Campbell Milk Co., Brooklyn
McGrath	Lowville	Maurice Mahar, Lowville
Maple Ridge.....	Martinsburg	L. J. Benton, Martinsburg
Mayflower	Natural Bridge..	G. M. Monier, Natural Bridge
Meadow Brook.....	Boonville	Uriah Fitch, Boonville
Middle Branch.....	Harrisville	Chas. Mayhew, Harrisville
Mohawk Hill.....	Constableville ...	J. F. Bower, Constableville
Mountain Spring...	Castorland	John Yancy, Castorland
Mud Lake.....	West Leyden....	Henry Schoff, West Leyden
Murmur Creek.....	Croghan	A. N. Renaux, Croghan
New Model.....	Copenhagen	H. E. Kelsey, Copenhagen
Pine View.....	Glenfield	D. Leaham, Mgr., Glenfield
Pleasant View.....	Castorland	C. G. Wallace, Castorland
Plummer	Constableville ...	H. E. Mills, Constableville
Prussian Settlement..	West Leyden....	John Beba, West Leyden
Rector	Rector	William Hoffman, Rector
Reget	Constableville ...	Henry Bower, Constableville
Searl	Lowville	M. E. Searl, Lowville
Silver Spring.....	Boonville	D. Karlen, Boonville
Silver Springs.....	Copenhagen	Silver Spring Dairy Co., Copen- hagen
Sins Bros.....	West Leyden....	Jos. Sins, West Leyden
State Road Union Cheese Factory....	Croghan	Frank Pate, Castorland
Sterling	Natural Bridge..	A. E. Ponto, Natural Bridge
Sulphur Spring.....	Lowville	Jacob Yousey, Lowville
Swiss Creek.....	Castorland	P. F. Bachman, Castorland
Talcottville Cheese, Butter, Cream & Milk Co., Inc.....	Talcottville	Talcottville Cheese, Butter, Cream & Milk Co., Inc., Talcottville
Union Spring.....	Harrisville	A. A. Dobson, Harrisville
Union of Pickney....	Copenhagen	R. A. Carley, Copenhagen
Valley Dale.....	Copenhagen	John May, Copenhagen

Lewis County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Valley Spring.....	Lowville	F. H. Loucks, Lowville
Welsh Hill.....	Turin	E. H. Evans, Turin
West Harrisburg.....	Copenhagen	Julia H. Wheeler, Copenhagen
West Leyden.....	West Leyden.....	A. F. Miller, West Leyden
West Martinsburg Milk & Cream Co..	Lowville	West Martinsburg Milk & Cream Co., Lowville
Willow Grove.....	Lowville	A. B. Zehr, Lowville
Willow Spring.....	Castorland	E. E. Widemeyer, Castorland

Livingston County

Artice Union.....	Croghan	C. E. Putnam, Croghan
Beach Hill.....	Croghan	Fred Losen, Croghan
Byersville	Nunda	F. C. Butler, Nunda
Castorland Creamery	Castorland	W. F. Muspliger, Castorland
Fish Creek.....	Lyons Falls.....	William F. Karlen, Boonville
Housville	Glenfield	R. M. Mills, Glenfield
Hunt	Hunt	Filmore Belfast Dairy Products Co., Fillmore
Keshequa	Dalton	Sarah Wheeler, Dalton
Miller Factory.....	Constableville ..	H. E. Mills, Constableville
New Boston.....	Copenhagen	E. J. Schrampp, Copenhagen
New Columbia.....	Copenhagen	Wm. E. Gracey, Copenhagen
Nunda Dairy Co....	Nunda	Nunda Dairy Co., Inc., Uunda
Port Leyden Cream- ery	Port Leyden.....	Henry Amstein, New York
Ridge Cheese Factory	Mt. Morris.....	Bert R. Mann, Mt. Morris
West Katsmyer.....	Boonville	W. Katsmyer, Boonville
West View Cheese Factory	Nunda	West View Cheese Co., Nunda

Madison County

Beaver Creek.....	Waterville	Beaver Creek Cheese Co., Waterville
Blakeslee Creamery..	Perryville	Isaac Cohen, Perryville
Brookfield	Brookfield ..	C. O. York, Brookfield
Chittenango Milk Sta- tion	Chittenango	Levy Dairy Co., New York
Cooperative Milk Sta- tion	De Ruyter.....	E. G. Haviland, De Ruyter
Erieville Creamery...	Erieville	D. P. Maynard, Erieville
Excelsior Dairy Co..	Brookfield	J. E. Johnson, Brookfield
Genesee Valley Milk Products Co.	Lakeville	Genesee Valley Milk Products Co., Lakeville
Haviland Creamery..	Cazenovia	E. G. Haviland, Brooklyn
Lakeport	Chittenango Sta..	A. R. Epperson, Chittenango Sta.
Lake Wood.....	Chittenango Sta..	Albert Roberts, Chittenango Sta.
Lenox Cheese Factory Corporation	Wampsville	Lenox Cheese Factory Corporation, Wampsville
Marsh	South Hamilton..	Simon Brown, So. Hamilton
Milk Producers Assn.	Lebanon	L. Edelstein, Lebanon
Morrisville Dairy- men's Assn.....	Morrisville	Levy Dairy Co., New York
National Dairy.....	Wampsville	National Dairy Co., Brooklyn

Madison County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Nelson Creamery....	Nelson	Samuel Fieldman, Nelson
New Woodstock....	New Woodstock..	R. F. Stevens Co., Brooklyn
Perryville Dairy & Produce Co., Inc..	Perryville	Perryville Dairy & Produce Co., Inc., Perryville
Poolville Milk Station	Poolville	Levy Dairy Co., New York
Pleasant Valley....	Morrisville	Levi Miller, Morrisville
Siloam Creamery....	Munnsville	A. E. Miller, Oneida

Monroe County

Brookfield Coopera- tive Milk & Cr. Co.	West Edmeston..	Robert F. Hart, Norwich
Central Dairy Co....	Lebanon	C. M. Upham, Lebanon
Eaton Station.....	Eaton	Sheffield Farms, Slawson-Decker Co., New York
Farmers Cooperative Creamery	Sheds	Levy Dairy Co., New York
Hamilton Milk & Cream Co.....	Hamilton	Henry Stubring, New York
Levy Milk Station...	Canastota	Levy Dairy Co., New York
Palatine Union.....	Palatine Bridge..	C. G. Yost, Palatine Bridge
Phoenix Creamery...	Leonardsville ...	Phoenix Cheese Co., New York
Phoenix Cheese Co..	Unadilla Forks..	Phoenix Cheese Co., New York
Randallville Shipping Station	Earlville	W. D. Freyer, Earlville

Montgomery County

Ames Cheese Factory Assn.	Ames	Ames Cheese Factory Assn., Ames
Cayudutta	Fonda	Eli Smith, Fonda
Charlestown Cheese Co.	Glen	William H. Ward, Glen
Getman	Fort Plain.....	C. Getman, Fort Plain
Glen Creamery Co....	Glen	Glen Creamery Co., Glen
Hessville Cheese Fac- tory	Fort Plain	Ida C. Eldredge, Ft. Plain
Lykers	Sprakers	John V. Lykers, Sprakers
Maple Grove.....	Glen	Philip Abel, Fultonville
Marshville Cheese Factory	Canajoharie	Stock Co., Canajoharie
Mohawk Cheese Fac- tory	Fonda	Daniel Dockstader, Palatine Bridge
Palatine Milk Co., Inc.	Palatine Bridge..	Palatine Milk Co., Inc., Palatine Bridge
Randall Milk Station	Randall	Central Dairy Co., New York
Root	Sprakers	Root Factory Co., Sprakers
St. Johnsville Milk Station	St. Johnsville ...	Levy Dairy Co., New York
Valley Cheese Factory	Salt Springville..	George Rogers, Salt Springville
Zoller	Ft. Plain	Jacob Zoller Co., Little Falls

Oneida County

Auken	Lee Center.....	Auken Bros., Lee Center
Auken Corners.....	Rome	Chas. D. Auken, Rome
Augusta Dairy.....	Augusta	Augusta Dairy Assn., Augusta

Oneida County—Continued

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Beaver Valley.....	Remsen	Cornelius Hurley, Remsen
John D. Baker.....	Holland Patent..	W. J. Bennett, Holland Patent
Bartlett	Bartlett	Matti Bros., Utica
Blanchard Creamery.	Vernon	Thompson & Byrne, Vernon
Borden's Condensed Milk Co.....	Westmoreland ..	Borden's Condensed Milk Co., New York
Blossvale	Blossvale	Levy Dairy Co., New York
Blue Brook.....	Ava	D. Karlen, Boonville
Brodock	Blossvale	A. S. E. Brodock, Blossvale
Deerfield Center....	Deerfield	Cruikshank & Dornafeld, Deerfield
Deerfield Creamery..	Barneveld	C. J. Cotton, Barneveld
Edell	Rome	J. Karlen & Son, Rome
Empire State Dairy Co. Plant.....	Boonville	Empire State Dairy Co., Brooklyn
Farmers Creamery...	Clayville	Central Milk Producers' Assn., Clay- ville
Floyd Corners.....	Stittsville	J. Karlen & Son, Rome
Flint Brook.....	Ava	John Ruchti, Ava
Frenchville	Westernville	J. Karlen & Son, Rome
Gleasant	Boonville	W. K. Miller, Boonville
Glenmore Creamery..	Glenmore	R. R. Jones, Glenmore
Green's Crossing....	Cassville	Standard Dairy Co., New York
Hillside Union.....	Boonville	Mrs. Wm. Lewis, Boonville
Holland Patent Milk Station	Holland Patent..	H. & T. Michaelsen, New York
Hubbard	Holland Patent..	Alfred Blum, Holland Patent
Ingersoll	Alder Creek.....	John Ingersoll, Alder Creek
Jackson Hill.....	Boonville	D. Karlen, Boonville
Kent	Remsen	J. W. Hurteg, Remsen
Lee Center.....	Lee Center.....	S. Kappler, Lee Center
Levy Dairy Co. Milk Station	Oneida Castle....	G. MacArthur, Oneida Center
Levy Dairy Co. Creamery	East Steuben....	Leon Bowen, East Steuben
Lowell Butter & Cheese Co.....	Rome	George Storck, Rome
Merry, G.....	Verona	Sarah J. Merry, Verona
National Dairy Co..	Westmoreland ..	Harold E. Knapp, Westmoreland
No. Deerfield Cream- ery	Deerfield	John E. Rosasco, New York
No. Steuben.....	Remsen	J. D. Karlen, Boonville
North Western.....	No. Western.....	J. Karlen & Son, Rome
Plank Road.....	Boonville	William F. Karlen, Boonville
Point Rock.....	Point Rock.....	S. Kappler, Lee Center
Porter	Westernville	J. & H. Van Vleck, Westernville
Prospect Milk Station	Prospect	H. Arnstein, New York
Reed, F. A.....	Glenmore	F. A. Reed, Glenmore
Rider	Bridgewater	J. C. Rider Co., Bridgewater
Sauquoit Creamery..	Sauquoit	Standard Dairy Co., New York
South Western.....	Holland Patent..	Frank Turk, Holland Patent
Spring Brook.....	Boonville	A. G. Blum, Constableville
Steuben Center....	Remsen	P. C. Mills, Remsen
Taberg	Taberg	F. M. Bartell, Taberg
Tencher	Rome	Chas. D. Auken, Rome
Thomas, G. D.....	Rome	S. Kappler, Lee Center
Traxel	Ava	E. W. Traxel, Ava

Oneida County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Trenton Milk & Cream Co.....	Barneveld	E. O. Jones, Barneveld
Vernon Dairy.....	Vernon	Otto Buzell, Vernon
Verona Milk Station.	Vernon Sta.	Beakes Dairy Co., New York
Vernon Milk Station.	Vernon	Levy Dairy Co., New York
West Canada Creek..	Poland	J. E. Rosasco, New York
West Canada Creek..	Poland	S. Baird, Poland
Whaley Creamery Co.	Durhamville ...	J. H. Whaley Creamery Co., Rome
Willow Valley.....	Boonville	J. D. Karlen, Boonville
Waterbury	Florence	James Kirkland, Florence

Onondago County

Bosch's Sons, John..	Lamson	William Cox, Lamson
Clay Milk Station & Cheese Factory....	Clay	Clay Milk Producers' Assn., Clay
Delphi Condensery...	Delphi Falls....	Howell Condensed Milk & Cream Co., Jersey City, N. J.
Jamesville Milk Station	Jamesville	Levy Dairy Co., New York
Pompey Center Creamery Co.....	Manlius	D. S. Bligh, Manlius
Tully Milk Co., Inc...	Tully	George B. Porter, Tully

Orange County

Clover Farms.....	Slate Hill	Clover Farms, Inc., Slate Hill
Monroe Cheese Co...	Monroe	Monroe Cheese Co., Monroe
Otterkill	Goshen	Burdett Eldred, Goshen
Pounds Station.....	Middletown	Sheffield Farms, Slawson-Decker Co., New York

Oswego County

Bowers Corners.....	Fulton	Keystone Dairy Co., So. Granby
Fernwood	Fernwood	Carl C. Allen, Fernwood
Greenboro	Redfield	B. Yerdon, Redfield
Ingersoll	Lacona	E. M. Ingersoll, Lacona
Mexico Cheese Factory	Mexico	Central Dairy Co., New York
Ricard	Altman	J. C. Croniser, Altman
Salt Road Cheese Factory	Williamstown ...	C. McLaughlin, Williamstown
Shoecraft Butter & Cheese Factory....	Lacona	M. E. Shoecraft, Lacona
Hess Cheese Factory.	West Amboy.....	A. W. Beaupre, West Amboy

Otsego County

Barringer	Cherry Valley...	Borden's Condensed Milk Co., New York City
Borden's Burlington Flats Branch.....	Burlington Flats.	Borden's Condensed Milk Co., New York City
Cherry Valley.....	Cherry Valley ...	Borden's Condensed Milk Co., New York City
Clarksville	Middlefield	R. G. McRorie, Middlefield
East Springfield.....	East Springfield.	Borden's Condensed Milk Co., New York City

Osteo County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Edmeston Cooperative Dairy Co.....	Edmeston	Levy Dairy Co., New York City
Elm Brook.....	Burlington Flats..	H. A. Gilmore, Burlington Flats
Gilbertsville	Gilbertsville	Borden's Condensed Milk Co., New York City
Greenbush	Westford	Lee McRorie, Westford
Gregory, S. C.....	Mt. Vision.....	Carleton & Gregory, Mt. Vision
Haith Creamery....	East Springfield..	A. C. Haith, East Springfield
Hornell	Middlefield	T. F. O'Connell, Cooperstown
Johnson, D. C.....	Burlington Flats..	Burlington Flats Cheese Co., Burlington Flats
Kiley's Factory.....	Cooperstown	W. A. Kiley, Cooperstown
Lena Creamery.....	Mt. Vision	E. R. Hunt, Morris
Lintsville	Cooperstown	R. G. Fuller, Cooperstown
Maple Leaf.....	Gilbertsville	J. H. Gilbert & Co., Gilbertsville
Maple Valley.....	Westford	P. D. Roseboom, Westford
Morris	Morris	Saul & McWilliams, Morris
Noblesville	Noblesville	C. F. Freer, Gilbertsville
Oneonta Dairy Co....	Oneonta	Oneonta Dairy Co., Inc., Oneonta
Pashleys	Burlington	G. C. Pashley, Burlington
Phenix Cheese Co....	South Edmeston..	Phenix Cheese Co., New York City
Phenix Mills Creamery	Cooperstown	Max Blum, Cooperstown
Pine Apple Cheese Factory	Milford	O. A. Weatherly & Co., Milford
Plainfield Union Cheese Mfg. Co....	West Winfield...	J. C. Saunders, West Winfield
Pleasant Valley.....	Hartwick	Geo. T. Brockway, Richfield
Pool Brook.....	Laurens	J. N. Locke, Laurens
Richfield No. 1.....	Richfield	Geo. T. Brockway, Richfield
Rider, J. J.....	Schuyler Lake...	Geo. L. Rider, Schuyler Lake
Rock Spring Creamery	East Springfield..	A. C. Haith, East Springfield
Root	Otego	C. P. Root's Sons, Gilbertsville
Roseboom	Roseboom	Borden's Condensed Milk Co., New York City
Shamrock	Gilbertsville	C. F. Freer, Gilbertsville
Snyder	Cherry Valley...	Elmer Snyder, Cherry Valley
Springfield Farms Co.	Springfield Ctr...	Springfield Farms Company, Springfield Center
Stanley	Cooperstown	R. G. Fuller, Cooperstown
State Brand No. 1728	Burlington Flats..	E. W. Wright, Burlington Flats
Stevens	Mt. Vision.....	A. C. Stevens, Mt. Vision
West Exeter.....	West Exeter.....	Phenix Cheese Co., New York City
Westford Cheese Factory	Westford	C. E. McRorie, Westford
Westville	Schenevus	C. P. Root's Sons, Gilbertsville
Willmarth	Richfield Springs..	Geo. T. Brockway, Richfield
Young, L. D.....	Warren	Lester Young, Warren

Rensselaer County

Berlin Milk Condensery Co.....	Berlin	John H. Satterlee, Berlin
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St. Lawrence County

Frontier	Ogdensburg	Sheffield Farms, Slawson-Decker Co., New York City
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St. Lawrence County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Levy Dairy Co.....	Winthrop	E. McArthur, Winthrop
Madrid Creamery.....	Madrid	W. Jugen, Madrid
Massena Center.....	Massena	Con. Sullivan, Massena
Racquette Valley		
Creamery	Potsdam	Phenix Cheese Co., New York City
Rensselaer Falls.....	Rensselaer Falls.	M. W. Carpenter, Rensselaer Falls
Sheffield Farms, Slawson-Decker Co.....	Rensselaer Falls.	Geo. Glidden, Rensselaer Falls
Sheffield Farms, Slawson-Decker Co.....	Lisbon Center...	Sheffield Farms, Slawson-Decker Co., New York City
Spragueville	Spragueville	J. H. Berry, Spragueville
Tietjen Bros. Shipping Station.....	Plum Brook.....	Tietjen Bros., New York City

Schoharie County

Cooperative Creamery	Sloansville	Thos. DiNuovo, New York
Jefferson Butter & Cheese Co.....	Jefferson	Jefferson Butter & Cheese Co., Jefferson
Sharon Hill.....	Sharon	Borden's Condensed Milk Co., New York City
Sharon Springs.....	Sharon Springs..	Borden's Condensed Milk Co., New York City

Steuben County

Big Creek.....	Hornell	Chas. M. Burdette, Hornell
Brasted District		
Cheese Factory.....	Hornell	H. D. Stratton, Hornell
Brown Cheese Factory	Andover	W. E. Green, Andover
Browntown	Lindley	J. C. Jurden, Lindley
Call Hill.....	Andover	Wm. H. Oakes, Andover
Caton Dairy Co.....	Corning	Bower & Lewis, Corning
Central Cheese Factory	Lindley	Central Cheese Co., Lindley
Cold Spring.....	Alfred Station..	Geo. M. Grow, Alfred Station
Dryden Ridge.....	Greenwood	J. J. Stooks, Greenwood
East Campbell.....	Coopers Plains ..	C. W. Turner, Coopers Plains
Elmbois	Prattsburg	E. H. Pelton, Prattsburg
Eureka	Campbell	Rising Bros., Campbell
Goodhull	Addison	F. E. Zimmer, Addison
Green Valley.....	Addison	B. D. Casson, Addison
Hartsville Center...	Hornell	C. M. Hayes, Hornell
Haskinsville	Cohocton	F. L. Jones, Cohocton
Hedgesville	Cameron Mills...	C. R. Perry, Cameron Mills
Highup	Troupsburg	F. E. Zimmer, Addison
Hopper	Woodhull	F. E. Zimmer, Addison
Hornby	Beaver Dams....	E. W. Cady, Beaver Dams
Howard	Howard	Henry McAdam, Howard
Hornell Sanitary Dairy Co.....	Hornell	Hornell Sanitary Dairy Co., Hornell
Jasper	Jasper.....	F. E. Zimmer, Addison
Jasper Creamery Co.		
Cheese Dept.....	Jasper.....	Jasper Creamery Co., Jasper

Steuben County—Concluded

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Lawrenceville	Lindley	C. W. Carpenter, Lawrenceville, Pa.
Lindley Cheese Factory	Lindley	Lindley Cheese Co., Lindley
Mud Creek.....	Savona	F. E. Zimmer, Addison
Murray	Greenwood	B. Murray, Greenwood
Niles Creek.....	Avoca	Geo. Clymo, Avoca
North Cameron.....	Cameron	W. C. Kellogg, Kanona
North Jasper.....	Cameron	North Jasper Dairy Assn., Cameron
Orchard Park.....	Greenwood	Frank Cook, Greenwood
Orecon	Cameron	F. E. Zimmer, Addison
Petter Hill.....	Savona	Will Searl, Pine City
Pond	Avoca	Geo. W. Ferris, Wallace
Prattsburg	Prattsburg.....	T. L. McMaumon, Prattsburg
Presbo Cheese Factory	Presbo	Presbo Cheese Co., Presbo
Presbo	Presbo	C. W. Carpenter, Lawrenceville, Pa
Rexville	Rexville	B. Murray & Son, Rexville
Shovel Hollow.....	Andover	Lewis Kellenberger, Andover
South Howard.....	Kanona	W. C. Kellogg, Kanona
Thorn Bottom.....	Troupsburg	J. H. Prutsman, Troupsburg
Towlesville	Kanona	Louis U. Coffin, Kanona
Troupsburg Cheese & Creamery Co.....	Troupsburg	Cass Griggs, Pres., Troupsburg
Tuscarora	Addison	F. E. Zimmer, Addison
Unionville	Bath	M. C. McAdam, Bath
Wallace Cheese Factory	Wallace	Daniel Staring, Wallace
West Canton.....	Corning	Coop., J. B. Wellman, Pres., Corning
West Jasper.....	Canisteo	F. E. Zimmer, Addison
West Rathbone Cheese Factory	Rathbone	West Rathbone Cheese Co., Rathbone
Wheeler Cheese Factory	Wheeler	Wheeler Cheese Co., Wheeler
Woodhull	Woodhull	John W. McStay, Woodhull
Young Hickory Cooperative	Rexville	Cooperative Assn., Rexville

Sullivan County

Evans Dairy Co.....	Wintertown	W. M. Evans Dairy Co., Inc., Brooklyn
Hasbrouck Creamery.	Hasbrouck	Johnston & Allbee, New York City
Ideal Dairy Co.....	Hawkins	Ideal Dairy Co., Brooklyn

Tioga County

Fairfield	Candor	Fairfield Cheese & Butter Co., Candor
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Tompkins County

Caroline	Richford	Wm. H. Howden, Richford
McLean Milk Station	McLean	Premium Dairy Co., Brooklyn
Mekeel	Jacksonville	W. & I. Mekeel, Jacksonville
New York State College of Agriculture.	Ithaca	New York State College of Agriculture, Ithaca

Washington County

FACTORY	ADDRESS	PROPRIETOR AND ADDRESS
Sheffield Farms, Slawson-Decker Co.....	Cambridge	Sheffield Farms, Slawson-Decker Co., New York City
South Easton.....	Schaghticoke	M. L. Hoffman, Valley Falls

Wyoming County

Arcade Cheese & Butter Co.....	Arcade	Arcade Cheese & Butter Co., Arcade
Bennington	Bennington	Richardson-Beebe Co., East Aurora
Bennington	Varysburg	Geo. E. Hogue, Arcade
Bliss Cheese Factory.	Bliss	Borden's Condensed Milk Co., New York
Bliss	Bliss	Walton & Metcalf, Bliss
Centennial	Pike	A. E. Perry, Belfast
Cluney No. 1.....	Attica	T. E. Cluney, Attica
Cluney No. 2.....	Johnsonburg	T. E. Cluney, Attica
Cluney No. 3.....	Warsaw	T. E. Cluney, Attica
Dutch Flats.....	Attica	George E. Hogue, Arcade
Eagle Center.....	Bliss	Walton & Metcalf, Bliss
East Roy.....	Portageville	Fillmore Belfast Dairy Products Co., Fillmore
Emerald Valley.....	Gainesville	J. L. Owens, Gainesville
Gainesville	Gainesville	C. R. York, Gainesville
Hermitage	Gainesville	Lewis Milroy, Gainesville
Hermitage Cooperative	Gainesville	C. W. Rissenger, Gainesville
Java Center.....	Java Center....	Richardson-Beebe Co., East Aurora
Java Lake.....	Arcade.....	Geo. E. Hogue, Arcade
Johnsonburg	Johnsonburg	Geo. E. Hogue, Arcade
Mud Valley.....	North Java.....	Geo. E. Hogue, Arcade
North Java Butter & Cheese Assn.....	North Java.....	North Java Butter & Cheese Assn., North Java
North Sheldon.....	Strykersville	Richardson-Beebe Co., East Aurora
Park	Attica	Robert Norton & Co., Attica
Perrys Crossing.....	Johnsonburg	Geo. E. Hogue, Arcade
Portage	Portageville	Elbert Bull, Portageville
Queen of the Valley	Varysburg	Richardson-Beebe Co., East Aurora
Smith Corners.....	Bliss	Geo. E. Hogue, Arcade
South Sheldon.....	Java Center	Richardson-Beebe Co., East Aurora
Spring Brook Cooperative Butter & Cheese Co.....	Silver Springs...	Spring Brook Cooperative Butter & Cheese Co., Silver Springs
Star	Johnsonburg	Geo. E. Hogue, Arcade
Star No. 4.....	Bliss	Geo. H. Hatfield, Bliss
Tozier	Varysburg	Richardson-Beebe Co., East Aurora
Varysburg	Varysburg	Geo. E. Hogue, Arcade
Wethersfield Springs.	Wethersfield Spgs.	Riverside Creamery Co., Warsaw
Wilsons	Bliss	F. Wilson & Co., Bliss
Wing Street.....	Bliss	Walton & Metcalf, Bliss
Yunker	Warsaw	Albert Yunker, Warsaw

The statute also provides for the marking or branding of a product made in the semblance of cheese, which is not made of pure or whole milk. It provides that such product shall be marked with the words "Skim-Milk Cheese." It further provides that if such product contains thirteen per centum of milk fat or over it may be branded "Medium Skim-Milk Cheese;" or if it contains eighteen per centum of milk fat or over, it may be branded "Special Skim-Milk Cheese," such branding to be upon the sides of both the cheese and the container, and be in block letters at least one-half an inch square.

This law, while being generally observed, is broken or violated in some instances by partial branding, as, for example, with the word "Skim." And occasionally we find a product on the market falling under one of three headings not marked or branded at all, but being sold as and for cheese, which would to the ordinary purchaser or consumer mean an unadulterated product. The violation in such cases is, as a rule, on the part of the manufacturer who fails to brand it; those who handle it subsequently (the wholesaler and the retailer), may be innocent violators, that is, may be "innocently guilty." Occasionally there is seen on the market a product made from milk from which some portion of the fat has been removed, and upon which appears a whole milk-cheese brand. These, of course, are violations and are handled accordingly. The table hereto annexed shows that for violations of the sections of the statute applying to cheese the official evidence relating to 263 samples has been referred to the Legal Bureau.

During the past year there was one conference of cheese instructors held at Alexandria Bay, with the point in view of determining or reaching conclusions as to best methods of producing uniform grade of goods. Many phases of the process of cheese manufacture were discussed during this meeting. The cheese manufactured at this conference was scored and placed in storage in June and rescored in September, when each man had an opportunity of seeing a sample of each cheese made during the conference and examining same and giving his criticisms, if any, on the different cheeses.

During the year we have had six cheese instructors, who report

having visited 289 factories for the purpose of giving instruction to cheese makers. Some of the criticisms were that the cheese was open and not developed; not firm in the curd; acidity inclined; too much moisture, gassy; cutting curd; too hard; undercooked and overcooked; corky, etc. These instructors are employed continuously throughout the year to give butter and cheese instruction and such other work as they may be called upon to do.

INSPECTION

In the work of enforcing the provisions of the law in relation to the care and feed of cows and the produce from the same, agents of this bureau have since the last report examined and scored 2,622 stables. These stables were marked or rated according to the score card prepared and used by this department, of which the following is a copy:

EQUIPMENT	SCORE		METHODS	SCORE	
	Perfect	Allowed		Perfect	Allowed
COWS			COWS		
Health.....	6	.....	Clean.....	8	.....
Apparently in good health. 1			(Free from visible dirt, 6.)		
If tested with tuberculin			STABLES		
within a year and no			Cleanliness of stables.	6	.....
tuberculosis is found, or if			Floor.....	2	.....
tested within six months			Walls.....	1	.....
and all reacting animals			Ceiling and ledges.....	1	.....
removed.....	5	.....	Mangers and partitions. .	1	.....
(If tested within a year and			Windows.....	1	.....
reacting animals are found and			Stable air at milking time.....	5	.....
removed, 3.)			Freedom from dust.....	3	.....
Food (clean and wholesome)....	1	.....	Freedom from odors.....	2	.....
Water (clean and fresh).....	1	.....	Cleanliness of bedding.....	1	.....
STABLES			Barnyard.....	2	.....
Location of stable.....	2	.....	Clean.....	1	.....
Well drained.....	1	.....	Well drained.....	1	.....
Free from contaminating			Removal of manure daily to 50		
surroundings.....	1	.....	feet from stable.....	2	.....
Construction of stable.....	4	.....	MILK ROOM OR MILK HOUSE		
Tight, sound floor and proper			Cleanliness of milk room.....	3	.....
gutter.....	2	.....	UTENSILS AND MILKING		
Smooth, tight walls and ceiling			Care and cleanliness of utensils.	8	.....
ing.....	1	.....	Thoroughly washed.....	2	.....
Proper stall, tie, and manger			Sterilized in steam for 15		
Provision for light: Four sq. ft.			minutes.....	3	.....
of glass per cow.....	4	.....	(Placed over steam jet, or		
(Three sq. ft., 3; 2 sq. ft., 2;			scalded with boiling water, 2.)		
1 sq. ft., 1. Deduct for uneven			Protected from contamination		
distribution.)			.....	3	.....
Bedding.....	1	.....	Cleanliness of milking.....	9	.....
Ventilation.....	7	.....	Clean, dry hands.....	3	.....
Provision for fresh air, con-			Udders washed and wiped. 6		
trollable flue system.....	3	.....	(Udders cleaned with moist		
(Windows hinged at bot-			cloth, 4; cleaned with dry cloth		
tom, 1.5; sliding win-			or brush at least 15 minutes		
dows, 1; other openings,			before milking, 1.)		
0.5.)			HANDLING THE MILK		
Cubic feet of space per cow,			Cleanliness of attendants in milk		
500 ft.....	3	.....	room.....	2	.....
(Less than 500 ft., 2; less			Milk removed immediately from		
than 400 ft., 1; less than			stable without pouring from		
300 ft., 0.)			pail.....	2	.....
Provision for controlling			Cooled immediately after milk-		
temperature.....	1	.....	ing each cow.....	2	.....
UTENSILS			Cooled below 50° F.....	5	.....
Construction and conditions of			(51° to 55°, 4; 56° to 60°, 2.)		
utensils.....	1	.....	Stored below 50° F.....	3	.....
Water for cleaning.....	1	.....	(51° to 55°, 2; 56° to 60°, 1.)		
(Clean, convenient, and abund-			Transportation below 50° F. .	2	.....
ant.)			(51° to 55°, 1.5; 56° to 60°, 1.)		
Small-top milking pail.....	5	.....	(If delivered twice a day, allow		
Milk cooler.....	1	.....	perfect score for storage and		
Clean milking suits.....	1	.....	transportation.)		
MILK ROOM OR MILK HOUSE			Total.....		
Location: Free from contaminat-			60	.....
ing surroundings.....	1	.....		
Construction of milk room.....	2	.....		
Floor, walls, and ceiling. .	1	.....		
Light, ventilation, screens. .	1	.....		
Separate rooms for washing uten-					
sils and handling milk.....	1	.....		
Facilities for steam.....	1	.....		
(Hot water, 0.5.)					
Total.....	40	.....		

Equipment.....+Methods.....=.....Final Score

Note 1.—If any exceptionally filthy condition is found, particularly dirty utensils, the total score may be further limited.

Note 2.—If the water is exposed to dangerous contamination, or there is evidence of the presence of a dangerous disease in animals or attendants, the score shall be 0.

After each stable had been scored or marked, a copy of the score card was given to the owner or person controlling such stable. It was explained to him what the figures showed or indicated as to deficiency, and suggestions were made as to remedying conditions which were considered detrimental.

Criticisms upon the conditions prevailing in the stables as affecting the health of the animal were in regard to light, ventilation, and air space. Criticism as to cleanliness of the product was mainly in regard to methods used in milking and handling and caring for the product after it was drawn from the cow. In all these respects it can be fairly said that great improvement has been and is taking place in a large number of the dairies of this State. I believe that this work, while it cannot be said to be mathematically correct nor specifically determinate, is productive on the whole of great good, in that it stimulates a desire on the part of the producer to remedy bad conditions concerning which he may or may not have been aware prior to the inspection, and upon having his attention specifically called to them he becomes desirous of remedying same. This work in this way is stimulating an uplift toward cleanliness of surroundings which must lead to cleanliness and wholesomeness of product.

MILK

The sale of milk by the producer, if pure or just as drawn from the cow, is permissible under the statute; but when sold by a person who did not produce the milk but purchased it from another, this party is not judged by the same standard; to wit, just as it came from the cow. The purity or impurity of the milk in this instance is determined by comparing it with the State standard. If it comes up to or above standard it is called pure milk: if not, it is passed as impure milk, except in cases where we obtain visual evidence of actual adulteration by adding thereto some other ingredient or taking therefrom a portion or all of the cream.

In other words, the producer of milk can sell the same whether it is as good as required by the State standard or not, provided it is as good as it comes from the cow, but the middleman cannot sell

the milk upon the market as pure milk unless it is as good as required by the State standard. This contention, peculiar as it may seem, was produced in the enactment of the organic law, which law provided for a standard below which no milk could be sold by anyone upon the market as and for milk. This was amended after a number of years of experience with the law to provide that, when milk was being sold by the producer thereof, if a sample was taken a like sample must be taken from the mixed milk of his herd, and if such sample was not better than the milk which the producer was selling that fact should be a bar for an action against him for recovery of the penalty. This bar, however, does not act to prevent like action for the sale of milk by his vendee.

Section 33 of the Agricultural Law should be amended so as to include milk stations as well as butter and cheese factories; Section 45 to cover transportation companies.

CREAM

The regulation of the Agricultural Law fixing a standard for cream which is that it must contain 18 per cent. of butter fat, has produced a change in the trade in a commodity heretofore sold as cream, which did not contain the required amount of fat; namely, a commodity containing from 8 to less than 18 per cent. of butter fat, which in many instances is sold as a mixture of milk and cream. The sale of such a mixture is in my judgment permissible under the statute, as it is a wholesome product and its ingredients are named so that the consumer is not deceived.

STATE INSTITUTIONS

During the year, State institutions have submitted to the Department for examination one thousand samples of milk taken from milk produced or purchased by such institutions. Reports of the results of these examinations have been made as required by statute. Butter, cheese, and eggs have also been passed on by agents of this Department for the different institutions.

AMOUNT OF MILK CONSUMED YEARLY IN NEW YORK CITY SINCE 1884

	No. of 40- Quart Cans	No of Quarts	No. of Quarts Daily
1884.....	4,835,831	193,433,240	529,854
1885.....	4,930,459	197,218,360	540,320
1886.....	5,268,455	210,738,200	577,365
1887.....	5,580,488	223,219,520	611,560
1888.....	6,062,216	242,488,640	664,352
1889.....	6,636,278	265,211,120	726,606
1890.....	8,141,983	325,679,320	892,272
1891.....	8,269,953	330,798,120	906,298
1892.....	9,084,781	363,391,240	995,592
1893.....	9,503,315	380,132,600	1,041,459
1894.....	9,485,018	379,400,720	1,039,454
1895.....	9,336,827	373,473,000	1,023,313
1896.....	10,079,417	403,176,680	1,104,593
1897.....	10,338,356	413,534,240	1,132,970
1898.....	12,382,106	495,284,240	1,356,943
1899.....	13,121,655	524,866,200	1,437,989
1900.....	13,504,610	540,184,400	1,482,697
1901.....	14,005,007	560,200,280	1,534,795
1902.....	14,814,527	592,581,080	1,623,509
1903.....	15,831,449	633,257,960	1,734,953
1904.....	15,922,436	676,897,440	1,854,514
1905.....	18,179,440	727,177,600	1,922,267
1906.....	20,081,997	803,279,880	2,200,766
1907.....	21,027,123	841,084,920	2,304,342
1908.....	21,112,666	844,506,644	2,307,398
1909.....	20,945,938	837,837,570	2,295,445
1910.....	17,584,390	703,375,600	1,927,056
1911.....	23,392,848	935,713,920	2,560,860
1912.....	.....	.....	.....
1913.....	22,667,532	806,701,280	2,210,140
1914.....	22,978,519	919,140,760	2,518,200
1915.....	24,014,671	960,586,840	2,671,172

CONDENSED MILK

The condensed milk sold upon the markets of the State as a whole meets the requirements of the statute as to the percentages of fat, and is probably in nearly all cases made from pure, clean, healthy, fresh, unadulterated, and wholesome milk. There is a suspicion, however, that some so-called condensed milk made in foreign countries is made in part from standardized milk; that is, milk which, for the sake of uniformity, has been brought to a common standard of butter fat by adding skim-milk to whole milk that is rich in butter fat, and then if condensed according to rule the resultant product will be uniform as to the fat content therein. This practice is upheld by some persons on the ground that it is better that the consumer should have a uniform product than that it should be variable as it would be if made from milk not so

standardized. Such a product is quite probably a violation, technically if not substantially, of section 37 of the Agricultural Law.

Another condensed product is also sold upon the market; namely, condensed skim milk. This, however, is not considered as being condensed milk within the meaning of the statute but is a condensed product, and when sold is required to be labeled as "Condensed Skim Milk." The statute is silent as to the sale of this commodity, and this silence is what gives consent to its sale.

CERTIFIED MILK

The attention of the Department has been called to a few instances during the year where persons intended to introduce or were introducing upon the market milk as and for certified milk and so labeled, which was not authorized as provided in section 32 of the statute.

OLEOMARGARINE

Oleomargarine is now being sold in the State quite generally. A large part of it is white, but some has a tint or shade of yellow in semblance of the lighter shades of butter. Cases against the sale of the latter commodity have been made and referred to the Legal Bureau for action.

I may, however, briefly state that the manufacture and sale of this commodity in this color is a violation of the statute, although the litigation in the particular case under consideration (*People v. Guiton*) resulted in the court's declaring that the Department had not in this particular case shown that there had been a conscious selection of the material which gave it its yellow shade with intent to make it resemble butter, which seemingly the court is holding must be done in order to prove a violation.

This commodity when sold is usually indented, wrapped, sealed, and branded as required by the statute, in packages not to exceed five pounds in weight. There are violations of these requirements, however, but they are not numerous. The dealers are evidently beginning to realize that compliance with the requirements of the statute is wise. For this reason the average purchaser of the commodity at the stores is not deceived. The only chance now remaining for deception is on the tables in places of

public entertainment where the commodity will be stripped of its wrappings and the only method by which its true character can be determined is by the application of the senses of the consumer, particularly that of sight. And if the goods are tinted so as to resemble yellow butter deception is quite probably a result. It is this deception as well as the other that the statute is aimed at.

BUTTER

There have been employed during the year two butter instructors who visited the various factories of the State to give instruction to butter makers. The principal criticisms they offered were improper incorporation of salt, producing an uneven color in finished goods; condition of the cream; method of handling over-run; poor quality of commercial starter; disregard of temperatures, etc. These men have also passed on butter for State institutions.

VINEGAR

Article IV defines cider vinegar and adulterated vinegar, regulates the branding or marking of adulterated vinegar, and prohibits the sale of vinegar as and for cider vinegar which is not cider vinegar. This part of the statute prohibits the sale of any vinegar containing artificial color and certain other vinegars, namely, those containing red copper, sulphuric acid, or other ingredients injurious to health, and it requires an acidity of four per cent in all vinegars and two per cent. solids in cider vinegar. The law also requires that all vinegar manufacturers shall brand the container in which they put up their product with their name and place of business, the kind of vinegar contained therein, and substance or substances from which it is made; prohibits the branding as and for cider vinegar of any vinegar which is not cider vinegar; and requires the retailer in making sales aside from the original unbroken package to place upon the receptacle in which it is delivered to the consumer the kind of vinegar so delivered and the substance or substances from which it is made.

As a rule, the requirements as to branding and marking of packages is observed by the manufacturers and the retail dealers. But a goodly proportion of the violations is due to lack of knowl-

edge or ignorance as to requirements on the part of the retail dealers. The specific difficulties encountered in the enforcement of this act are the same as described in our report for the year ended September 30, 1913, which have not as yet been remedied by legislation; namely, the difficulty as to certain cider vinegars which are pure apple vinegars, and which, though made from pure cider, do not contain two per cent. solids.

The standard for solids was created or made by the Legislature at a time when it was believed that no pure cider vinegar would contain less than that amount of solids, but at a time when the manufacture was on a smaller scale and in which generators were not generally used. It was believed at that time that any vinegar containing less than two per cent of solids could not be pure cider vinegar, and this was declared by statute to be the fact. It has since been ascertained that large quantities of cider vinegar are being manufactured which will not have such an amount. As a whole, the vinegar being sold upon the markets of the State is vinegar, and is the kind of vinegar indicated by its label.

FEEDING STUFFS

Article VII of the statute defines concentrated commercial feeding stuffs and provides that certain statements as to contents and analysis shall be attached to packages, and that further statements be filed with the Commissioner of Agriculture, same to be accompanied by sample and affidavit when requested. It provides for license fee and for the Commissioner of Agriculture to take samples for analysis, such analysis to be made by the Director of the Experiment Station; it also provides for the sale of adulterated meal or ground grain.

During the year 1915 there were collected 1,313 samples of feeding stuffs, and same were forwarded to the Director of the Experiment Station for analysis. There has been referred to the Legal Bureau of the Department evidence relative to 118 samples, for consideration and such action as might seem advisable. There has been compiled and forwarded to the Director of the Experiment Station for publication information relative to samples collected, which information will appear in bulletin form.

There have been issued 852 certificates for the sale of concentrated commercial feeding stuffs.

A circular issued June 15, 1915, gives a list of brands of concentrated commercial feeding stuffs licensed for sale from January 1 to June 15, 1915. This was found to be of great value, especially to dealers who had no information as to what goods might be legally handled.

The law relating to feeding stuffs should in my opinion be amended so that licenses would expire May 31 instead of December 31, the year running from June 1 to May 31 instead of from January 1 to December 31. That part of section 160 which reads as follows: "nor shall it include poultry foods consisting of whole or whole and cracked grains *and* grit mixed together when all the ingredients may be identified by the naked eye," should be amended to read, "nor shall it include poultry foods consisting of whole or whole and cracked grains, *with or without* grit, mixed together when all the ingredients may be identified by the naked eye."

The names and addresses of the parties to whom certificates have been issued for the sale of brands of concentrated commercial feeding stuffs, together with the brand names, are given below:

ACME EVANS CO., INDIANAPOLIS, IND.

Acme Feed

ACME MILLING CO., OLEAN, N. Y.

Acme Dry Mash

Acme Feed

Wheat Bran with Ground Screenings not exceeding mill run

Wheat Flour Middlings with Ground Screenings not exceeding mill run

ADIKES, J. & T., JAMAICA, N. Y.

Ground Feed

Nulife

Real Egg Mash

AGRICULTURAL PRODUCTS CO., CAPE VINCENT, N. Y.

H-U Pea Meal

AJAX MILLING & FEED CO., HAMMOND, IND.

Ajax Flakes

AKRON FEED & MILLING CO., THE, AKRON, O.

Portage Stock Feed

AKRON PRODUCE CO., AKRON, N. Y.

Bower's Dairy Ration

ALBANY RENDERING CO., ALBANY, N. Y.

Albany Bone & Meat Meal for Poultry

Albany Poultry Feed "The Eggs Pay for It" Cooked Meat & Bone Seraps

(Animal Products)

Albany Poultry Food Prepared from Cooked Meat & Bone Scrap

ALFOCORN MILLING CO., EAST ST. LOUIS, ILL.

Diamond "D" Dairy Feed

Diamond "D" Horse & Mule Feed

Leader Hen Feed

Leader Horse & Mule Feed

ALLEN MILLING CO., NIAGARA FALLS, N. Y.

Allen's Mash for Layers

Allen's Nutro Chick Mash

- AMERICAN AGRICULTURAL CHEMICAL CO., THE, NEW YORK, N. Y.
 Ground Meat Scraps
 Pure Ground Meat Scraps
- AMERICAN HOMINY CO., INDIANAPOLIS, IND.
 Cerealine Feed
 Homco Chick Feed
 Homco Hominy Feed
 Homco Dry Mash
 Homcoline Feed
 Homco Scratch Feed
 Homco Superior Scratch Feed
 Maizeline Feed
 Star Feed (Toledo Elevator Branch)
- AMERICAN LINSEED CO., NEW YORK, N. Y.
 "Hypro" Pure Linseed Meal
 Old Process Oil Meal
- AMERICAN MAIZE PRODUCTS CO., NEW YORK, N. Y.
 Cream of Corn Gluten Feed
- AMERICAN MALTING CO., NEW YORK, N. Y.
 Hully Malt sprouts
 Number One Malt Sprouts
 Standard Malt sprouts
- AMERICAN MILLING CO., PEORIA, ILL.
 Amco Old Process Linseed Meal
 Cluck Cluck Scratch Feed
 Sucrene Chick Feed
 Sucrene Dairy Feed
 Sucrene Horse & Mule Feed
 Sucrene Horse Feed (With Alfalfa)
 Sucrene Poultry Mash
 Sucrene Scratch Feed
 Tip Top Scratch Feed with 5 per cent. Grit
 Tip Top Sugared Feed
- AMES-BURNS CO., JAMESTOWN, N. Y.
 A-B-C Fine White Hominy Meal
 Blue Tag Choice Winter Bran, with Ground Screenings not exceeding mill run
 Perfection Fancy Winter Bran, with Ground Screenings not exceeding mill run
 Perfection Fancy Winter Midds, with Ground Screenings not exceeding mill run
- ANIMAL PRODUCTS CO., THE, PHILADELPHIA, PA.
 The Apco Poultry Meat
- ARCADY FARMS MILLING CO., RONDOUT, ILL.
 Arcady Dairy Feed
 Arcady Horse Feed
- ARCHER-DANIELS LINSEED CO., MINNEAPOLIS, MINN.
 Old Process Ground Linseed Cake
- ATLANTIC EXPORT CO., PHILADELPHIA, PA.
 Atlantic Grains
- ATLAS FLOUR MILLS, MILWAUKEE, WIS.
 Atlas Wheat Flour Middlings with Ground Screenings not exceeding mill run
 Atlas Wheat Bran with Ground Screenings not exceeding mill run
- ATWATER, J. D., GENOA, N. Y.
 Corn Meal and Oat Feed
- BADENOCH CO., J. J., CHICAGO, ILL.
 C-er-Lay Fine Chick with Grit
 Daily Egg Poultry Feed with Grit
- BAGG, E. A., CONEWANGO VALLEY, N. Y.
 Daisy Dairy Ration
- BALLANTINE & SONS, P., NEWARK, N. J.
 Malt Screenings
- BALTIMORE PEARL HOMINY CO., BALTIMORE, MD.
 Hominy Feed
- BANNER MILLING CO., BUFFALO, N. Y.
 Banner Wheat Bran with Ground Screenings not exceeding mill run
 Banner Wheat Flour Middlings with Ground Screenings not exceeding mill run
 Banner Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Banner Wheat Standard Middlings with Ground Screenings not exceeding mill run
- BARBER & BENNETT, ALBANY, N. Y.
 Buckwheat Feed
 Rye Feed with Ground Screenings not exceeding mill run
- BARINGER, M. F., PHILADELPHIA, PA.
 Big B. Dairy Feed
 Corn Bran
 Dried Brewers' Grains
 Hominy Feed
 M. F. B. Prime Cottonseed Meal
- BARTHOLOMAY BREWERY CO., ROCHESTER, N. Y.
 Dried Brewers' Grains
 Malt Sprouts

- BARTHOLOMEW & SON, J. J., VERNON, N. Y.
Vernon Dairy Feed
- BARTLETT CO., THE J. E., JACKSON, MICH.
Bartlett's Michigan Farmer Brand Choice Cottonseed Meal
- BAUGH & SONS CO., BALTIMORE, MD.
Baugh's Meat Meal for Poultry
- BAY STATE MILLING CO., WINONA, MINN.
Winona Fancy Mixed Wheat Feed and Wheat Screenings
Winona Wheat Middlings and Wheat Screenings
- BEIER, W. J., JR., BUFFALO, N. Y.
Frontier Poultry Mash
- BERG CO., THE, PHILADELPHIA, PA.
Berg's 3 Medal Beef Scraps
Berg's 3 Medal Poultry Meat
- BIG DIAMOND MILLS CO., MINNEAPOLIS, MINN.
Big Diamond Wheat Bran with Ground Screenings not exceeding mill run
Big Diamond Wheat Standard Middlings with Ground Screenings not exceeding mill run
- BILL, BELL & CO., OGDENSBURG, N. Y.
Wheat Bran with Ground Screenings not exceeding mill run
Wheat Flour Middlings with Ground Screenings not exceeding mill run
Wheat Shorts with Ground Screenings not exceeding mill run
Wise King Wheat Mixed Feed with Ground Screenings
- BIRKETT MILLS, THE, PENN YAN, N. Y.
Buckwheat Ofal Feed
Hominy Meal
Wheat Bran with Ground Screenings not exceeding mill run
Wheat Middlings with Ground Screenings not exceeding mill run
- BLAINE MACKAY LEE CO., NORTH EAST, PA.
Wheat Bran with Ground Screenings not exceeding mill run
Wheat Flour Middlings with Ground Screenings not exceeding mill run
Wheat Mixed Feed with Ground Screenings not exceeding mill run
- BLATCHFORD CAFE MEAL FACTORY, THE, WAUKEGAN, ILL.
Blatchford's Calf Meal
Blatchford's "Fill the Basket" Egg Mash
Blatchford's Milk Mash
Blatchford's Pig Meal
- BOUTWELL MILLING & GRAIN CO., THE, TROY, N. Y.
Rye Feed with Ground Screenings not exceeding mill run
- BOWKER FERTILIZER CO., NEW YORK, N. Y.
Bowker's Animal Meal
- BOWNE CO., S. W., BROOKLYN, N. Y.
Alfalfa Meal
Bowne's Dry Mash
Farnel Horse Feed
Ground Feed
Hominy Chop
Wheat Bran and Mill Run Screenings
- BRAUE'S MIXED FEED CO., INC., NEW YORK, N. Y.
Braue's Mixed Feed Dry
Braue's Mixed Feed with Molasses
- BRAUE, J. D., INC., JORDAN, N. Y.
Braue's Mixed Feed
Braue's Mixed Feed (With Molasses)
- BREHM, H. F., WATERLOO SOAP WORKS, WATERLOO, N. Y.
Brehm's Beef Scrap and Bone
- BRISBIN & CO., GEO. E., CLYDE, N. Y.
Argood Distillers Grain
Blue Bell Dairy Feed
- BRODE & CO., F. W., MEMPHIS, TENN.
Dove Brand Cotton Seed Meal
Owl Brand High-Grade Cotton Seed Meal
- BROOKLYN ELEVATOR & MILLING CO., BROOKLYN, N. Y.
Bemco Feed
Bemco Poultry Mash
Bemco Stock Feed
- BUCKEYE COTTON OIL CO., THE, CINCINNATI, O.
Buckeye Prime Cottonseed Meal
Buckeye Prime Cottonseed Meal
- BUFFALO CEREAL CO., BUFFALO, N. Y.
Bufceco Horse Feed
Bufceco Chop Feed
Bufceco Creamery Feed
Bufceco Dairy Feed
Bufceco Hominy Feed
Bufceco Laying Mash
Bufceco Poultry Mash
Bufceco Stock Feed
Iroquois Chop Feed
Iroquois Dairy Feed

- Iroquois Horse Feed
- Iroquois Poultry Mash
- Iroquois Stock Feed
- BUFFALO POULTRY SUPPLY CO., BUFFALO, N. Y.
 - Buffalo Brand Laying Mash
- BURLINGTON RENDERING CO., BURLINGTON, VT.
 - Burlington Poultry Food, prepared from cooked meat and bone scraps
 - Burlington Rendering Co.'s Bone & Meat Meal for Poultry
- CAMPBELL, F. C., ALPINE, N. Y.
 - Buckwheat Feed
- CANNON VALLEY MILLING CO., MINNEAPOLIS, MINN.
 - C. V. Wheat Bran with Ground Screenings not exceeding mill run
- CATARAUGUS CITY MILLING CO., NIAGARA FALLS, N. Y.
 - Wheat Bran with Ground Screenings not exceeding mill run
 - Wheat Mixed Feed with Ground Screenings not exceeding mill run
 - Wheat Standard Middlings with Ground Screenings not exceeding mill run
 - Wheat White Middlings with Ground Screenings not exceeding mill run
- CEREAL MILLS CO., WAUSAU, WIS.
 - Hominy Feed
- CERTIFIED FARMS CO., NEW YORK, N. Y.
 - Brand No. 2 Certified Laying Mash
- CHAPIN & CO., HAMMOND, IND.
 - Acorn Dairy Ration
 - Centaur Stock Feed
 - Lactola Dairy Feed
 - Unicorn Dairy Ration
- CHASE, HIBBARD MILLING CO., ELMIRA, N. Y.
 - Offal Feed
- CHESBRO BROS., ATTICA, N. Y.
 - Mixed Feed "E"
 - Molasses Screening Feed
- CHESBRO MILLING CO., SALAMANCA, N. Y.
 - Chesbro's Stock Feed
 - Peerless Dairy Feed
 - Trojan Stock Feed
- CHIPPEWA FEED AND GRAIN CO., BUFFALO, N. Y.
 - Chippewa Dairy Feed
- CHRISTENSEN CO., C. S., MADEIRA, MINN.
 - Wheat Flour Middlings with Ground Screenings not exceeding mill run
- CLARKE BROS. & CO., PEORIA, ILL.
 - Empire State Dairy Feed
- CLARO MILLING CO., WASECA, MINN.
 - Claro Wheat Bran with Ground Screenings
 - Claro Wheat Mixed Feed with Ground Screenings
 - Claro Wheat Standard Middlings with Ground Screenings
- CLEVELAND MILLING CO., CLEVELAND, O.
 - Fairchild's Wheat Bran with Ground Screenings not exceeding mill run
 - Fairchild's Wheat Coarse Middlings with Ground Screenings not exceeding mill run
 - Fairchild's Wheat Fine Middlings with Ground Screenings not exceeding mill run
- CLINTON SUGAR REFINING CO., CLINTON, IA.
 - Clinton Corn Germ Meal
 - Clinton Corn Gluten Feed
- CLOVER LEAF MILLING CO., BUFFALO, N. Y.
 - Clover Leaf Calf Meal
 - Clover Leaf Dairy Feed
 - Clover Leaf Dairy Feed
 - Clover Leaf Horse Feed
 - Peerless Horse Feed
- COLE, E. E., PAWLING, N. Y.
 - CWB
- COMMANDER MILL CO., MINNEAPOLIS, MINN.
 - Commander Wheat Bran with Ground Screenings not exceeding mill run
- COMMERCIAL MILLING CO., DETROIT, MICH.
 - Henkel's Chop Feed
 - Henkel's Fine White Feed
 - Standard Wheat Middlings with Ground Screenings not exceeding mill run
 - Wheat Fine Middlings with Ground Screenings not exceeding mill run
 - Wheat Mixed Feed with Ground Screenings not exceeding mill run
- COMMONWEALTH FEED MILLS CO., ST. LOUIS, MO.
 - Missouri Sweet Horse & Mule Feed
- CONKEY CO., THE G. E., CLEVELAND, O.
 - Conkey's Starting Food (for chicks)
- CONTINENTAL CEREAL CO., PEORIA, ILL.
 - Continental Gluten Feed
- COONROD, W. H., EST., PORT JERVIS, N. Y.
 - Horse Feed
- CORNO MILLS CO., THE, ST. LOUIS, MO.
 - Corno Mills Horse & Mule Feed
 - Corno Mills Sweet Feed

CORN PRODUCTS REFINING CO., NEW YORK, N. Y.

Argo Corn Oil Cake Meal
Buffalo Corn Gluten Feed
Crescent Stock Feed
Diamond Corn Gluten Meal
Diamond Hog Meal
Globe Corn Gluten Feed
Queen Corn Gluten Feed

COX CO., CHAS. M., BOSTON, MASS.

California Malt Sprouts

CRAWFORD BROTHERS, HAMDEN, N. Y.

Crawfords Stock Feed

CROCKER, WILLIAM G., BUFFALO, N. Y.

Wheat Bran with Ground Screenings not exceeding mill run
Wheat Flour Middlings with Ground Screenings not exceeding mill run
Wheat Mixed Feed with Ground Screenings not exceeding mill run
Wheat Standard Middlings with Ground Screenings not exceeding mill run

CROSS, E. N., RANDOLPH, N. Y.

Red Mill Perfection Dairy Feed

CYPHERS CO., A., NEWARK, N. J.

Cypho Morning Mash (A) Grade
Cypho Chick Food (A) Grade

CYPHERS INCUBATOR CO., CHICAGO, ILL.

Cyphers Fattening Mash
Cyphers Laying Mash
Fertile Egg Mash
Growing Mash
High Protein Meat Scraps for Poultry

DARLING & CO., CHICAGO, ILL.

Darling's High Protein Meat Scraps
Darling's Meat Crisps

DAVIS, S. P., LITTLE ROCK, ARK.

Good Luck Brand Cotton Seed Meal

DENVER ALFALFA M. & F. CO., THE, HARTMAN, COLO.

Alfalfa Meal

DEPOSIT MILLING CO., DEPOSIT, N. Y.

Deposit Milling Co.'s Pure Alfalfa Meal
Deposit White Mixed Feed

DEITSCH & SICKERT CO., MILWAUKEE, WIS.

"Success" Hominy Feed

DE VER ROGERS, J., OXFORD, N. Y.

Rogers Dry Mash

DEWEY BROS. CO., THE, BLANCHESTER, O.

Bourbon Three D Grains
Corn Three D Grains
Dewey's Ready Ration
Dewey's Stock Feed
Eagle Three D Grains
Queen Cotton Seed Meal
Winter Wheat Middlings with Ground Screenings not exceeding mill run

DEYSHER, K. K., CANASERAGA, N. Y.

Buckwheat Feed

DICKINSON, THE ALBERT, CO., CHICAGO, ILL.

Alfalfa Meal
Dickinson's Globe Egg Mash
Dickinson's Globe Scratch Feed
Dickinson's Globe Scratch Feed No Grit
Queen Poultry Mash
White Cross Stock Feed

DIXIE MILLS CO., EAST ST. LOUIS, ILL.

Dixie Horse & Mule Feed

DOCK & COAL CO., PLATTSBURG, N. Y.

Dandy Feed

DOLD PACKING CO., JACOB, BUFFALO, N. Y.

Dold Quality Digester Tankage
Dold Quality Meat & Bone Meal
Dold Quality Meat & Bone Scrap
Dold Quality No. 2 Meat & Bone Scrap
Dold Quality Soluble Blood Flour

DONAHUE STRATTON CO., MILWAUKEE, WIS.

"Onyx" Dried Grains

DOUGLAS CO., CEDAR RAPIDS, IA.

Douglas Corn Gluten Feed

DULUTH SUPERIOR MILLING CO., DULUTH, MINN.

Boston Mixed Feed
Duluth Imperial Bran with Ground Screenings not exceeding mill run
Standard Middlings with Ground Screenings not exceeding mill run

EAGLE ROLLER MILL CO., NEW ULM, MINN.

Hominy Feed

- EATON GRAIN & FEED CO., R. D., NORWICH, N. Y.
 Eaton's Perfection Mash Mixture for Laying Fowls
 Eaton's Special Dairy Feed
 ECKHART MILLING CO., B. A., CHICAGO, ILL.
 Bran with Ground Screenings not exceeding mill run
 ECONOMY MEAT FOOD CO., GARDENVILLE, N. Y.
 Economy Meat & Bone Scrap
 EDWARDS & LOOMIS CO., CHICAGO, ILL.
 Greeno (Horse & Cattle) Feed
 Harvest Horse Feed
 Pioneer (Horse & Cattle) Feed
 Red Comb Mash Feed (With Shell & Charcoal)
 Red Horn Calf Meal
 Red Horn Dairy Feed
 ELEVATOR MILLING CO., SPRINGFIELD, ILL.
 Ideal Hominy Feed (Kiln Dried)
 ELMORE MILLING CO., ONEONTA, N. Y.
 Bunn's Best Stock Feed
 Elmore Egg Mash
 Elmore Milk Grains
 Elmore Stock Feed
 Morris Stock Feed
 EMISON & CO., J. & S., VINCENNES, IND.
 Kiln Dried Hominy Feed
 EMPIRE COTTON OIL CO., ATLANTA, GA.
 Gilt Edge Brand Cotton Seed Meal
 EMPIRE GRAIN & ELEVATOR CO., BINGHAMTON, N. Y.
 Egee Horse Feed
 Egee Dairy Feed
 Egee Mixed Feed
 Egee Stock Feed
 Empire Calf Meal
 Neverfail Dairy Feed
 Pearl Hominy
 EMPIRE MFG. CO., FRANKLINVILLE, N. Y.
 Empire Stock Feed
 EMPIRE MILL & COAL CO., SCHAGHTICOKE, N. Y.
 Empire Milk Producer
 EMPIRE MILLS, FELT BROS. & GAGE CO., OLEAN, N. Y.
 Empire Feed
 EMPIRE STATE ALFALFA MILLS, A. F. FIETZ, MANNSVILLE, N. Y.
 Alfalfa Meal
 EMPIRE STOCK & POULTRY FOOD CO., AUBURN, N. Y.
 Empire Poultry Regulator
 Empire Stock Regulator
 EVANS MILLING CO., INDIANAPOLIS, IND.
 Evans Hominy Feed
 EVERETT & TREADWELL CO., KINGSTON, N. Y.
 C. O. & W. Feed
 EVERETT, AUGHENBAUGH & CO., WASECA, MINN.
 E-A-Co Mixed Feed
 E-A-Co Wheat Bran with Ground Screenings
 E-A-Co Wheat Middlings with Ground Screenings
 EWART & LAKE, GROVELAND, N. Y.
 Wheat Bran Mixed with Ground Screenings not exceeding mill run
 EXCELLO FEED MILLING CO., ST. JOSEPH, MO.
 Excello Horse Feed
 FARMEL MFG. CO., BUFFALO, N. Y.
 Boggs Ceramel Horse Feed
 Farmel Alpha Horse Feed
 Farmel Dairy Feed
 Farmel Horse Feed
 FARMERS' FEED CO., NEW YORK, N. Y.
 Bull Brand Dried Brewers' Grains
 Malt Sprouts
 FEDERAL MILLING CO., LOCKPORT, N. Y.
 Dairy Maid Winter Wheat Bran with Ground Screenings not exceeding mill run
 Dairy Maid Winter Wheat Flour Middlings with Ground Screenings not exceeding mill run
 Dairy Maid Winter Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Lucky Corn Feed Meal
 Lucky Oat-Corn Feed
 Lucky Spring Wheat Bran with Ground Screenings not exceeding mill run
 Lucky Spring Wheat Flour Middlings with Ground Screenings not exceeding mill run
 Lucky Spring Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Sphinx Fancy Spring Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Sphinx Fancy Spring Wheat Flour Middlings with Ground Screenings not exceeding mill run

- FEEDERS SUPPLY CO., KANSAS CITY, MO.
Equity Brand Cotton Seed Meal and Cake
- FEED PRODUCTS MILLING CO., CHICAGO, ILL.
Eatall Horse Feed
- FINN, GEO. M., SYRACUSE, N. Y.
Chicken Feed Prepared from Ground Meat & Bone Scrap
- FLAVELL CO., THE, ASBURY PARK, N. J.
V. I. M. Pure Beef Cracklings containing a small amount of bone
- FLEISCHMANN MFG. CO., PEEKSKILL, N. Y.
Fleischmann's Dried Grain
- FLEISCHMANN MALTING CO., THE, BUFFALO, N. Y.
Malt Sprouts
- FRISBIE CO., THE L. T., NEW HAVEN, CONN.
Frisbie's Poultry Feed (prepared from cooked meat & bone scraps)
- FRONTIER GRAIN CO., BUFFALO, N. Y.
Flour Middlings with Ground Wheat Screenings
Standard Middlings with Ground Wheat Screenings
- FUHRER-FORD MILLING CO., MT. VERNON, IND.
Monarch Mixed Feed
- GEIGER, JOHN A., NIVERVILLE, N. Y.
Rye Feed with Screenings
- GENERAL FLOUR & FEED CO., BUFFALO, N. Y.
Banner Horse Feed
Buffalo Meal
Honest Cow Feed
Standard M & S
- GERMUTH, WILLIAM, RICHMOND HILL, N. Y.
Dunton Poultry Mash
- GEROW, G. W., VAIL'S GATE, N. Y.
Gerow's Poultry Mash
- GILBERT & NICHOLS CO., FULTON, N. Y.
Fulton Dairy Feed
- GLOBE ELEVATOR CO., BUFFALO, N. Y.
Anchor Dairy Feed
Anchor Horse Feed
Anchor Stock Feed (Molasses Feed)
Blue Ribbon Growing Mash
Blue Ribbon Horse Feed
Blue Ribbon Laying Mash
Buffalo Dairy Mixed Feed
Buffalo Stock Feed
Globe Dairy Feed
No. 1 Chop Feed
- GLOBE MOLASSES FEED CO., BROOKLYN, N. Y.
Crown Horse Feed
Globe Horse Feed
Shamrock
U. S. Horse Feed
- GOLDEN GRAIN MILLING CO., EAST ST. LOUIS, ILL.
Golden Grain Horse & Mule Feed
Puritan Horse & Mule Feed
- ORMAN, JOHN, BUFFALO, N. Y.
Boat Sweepings
- GRAIN PRODUCTS SALES CO., BUFFALO, N. Y.
Columbia Corn Distillers' Grains
- GRANDIN MILLING CO., D. H., JAMESTOWN, N. Y.
Grandin's Stock Food
- GRANGE CO., THE, MODESTO, CALIF.
Modesto Alfalfa Meal
- GRANTIER MILLS, ESPERANCE, N. Y.
Buckwheat Feed without Screenings
- GREAT NORTHERN FLOUR MILLS CO., ST. CLOUD, MINN.
Wheat Bran with Ground Screenings not exceeding mill run
- GRONAUER & CO., GUS, MEMPHIS, TENN.
Globe Brand Cotton Seed Meal
- HAMILTON & SON, WILLIAM, HONEOYE FALLS, N. Y.
Wheat Bran with Ground Screenings not exceeding mill run
- HAMLIN, DWIGHT E., PITTSBURGH, PA.
Hamlin's Quality Feed
H. & S. Feed (for milch cows)
H. & S. Horse, Mule & Dairy Feed
- HANNIS DISTILLING CO., BALTIMORE, MD.
Distillers' Dried Grains
- HARDING, GEO. L., BINGHAMTON, N. Y.
Harding "Uncle Sam" Granulated Milk for Poultry
- HARTER MILLING CO., THE, TOLEDO, O.
Harter's Spring Wheat Mixed Feed with Ground Screenings not exceeding mill run
Harter's Winter Wheat Middlings with Ground Screenings not exceeding mill run
Harter's Winter Wheat Mixed Feed with Ground Screenings not exceeding mill run

- HARVEY SEED CO., BUFFALO, N. Y.
 Alfalfa Meal
 Electric Poultry Food
 Harvey's Meat Scrap and Bone
- HASKELL & CO., W. H., TOLEDO, O.
 Haskell's Stock Feed
- HAYES, BYRON A., WAYLAND, N. Y.
 Buckwheat Feed
- HAYWOOD ALFALFA WAREHOUSE CO., THE, KANSAS CITY, MO.
 Algren Alfalfa Meal
- HECKER CEREAL CO., NEW YORK, N. Y.
 Oathulls
- HECKER-JONES-JEWELL MILLING CO., BUFFALO, N. Y.
 Choice Wheat Bran with trace of Screenings
 H. Wheat Middlings with mill run of Screenings and trace of Rye
 Flour Middlings with mill run Screenings
 Mixed Feed with mill run Screenings
 Standard Middlings with mill run Screenings
- HENRY & MISSERT, BUFFALO, N. Y.
 B. S. Stock Food
 Holstein Milk Food
 Matchless Complete Ratio Dairy Feed
- HEN-TY MFG. CO., THE, AUBURN, N. Y.
 The Hen-ty Chick Feed
 The Hen-ty Laying Mash
- HERRICK & SON, A. H., WATERTOWN, N. Y.
 Herrick's "C" Meal
 Herrick's Quality Soft Feed
 Herrick's Corn and Oat Feed
 Herrick's Standard Middlings with Ground Screenings not exceeding mill run
 Wheat Bran with Ground Screenings not exceeding mill run
- HINDS & CO., J. A., ROCHESTER, N. Y.
 Mixed Bran & Middlings with Ground Screenings not exceeding mill run
 Wheat Bran with Ground Screenings not exceeding mill run
- H-O COMPANY, THE, BUFFALO, N. Y.
 Force Screenings
 The H-O Co's Algrane Horse Feed
 The H-O Co's Algrane Milk Feed
 The H-O Co's Algrane Scratching Feed
 The H-O Co's Chick Feed
 The H-O Company's Chick Feed
 The H-O Co's De-Fi Feed
 The H-O Co's Dry Poultry Mash
 The H-O Co's Horse Feed with Alfalfa
 The H-O Co's Horse Feed with Molasses
 The H-O Co's Jim Dandy Feed
 The H-O Co's Milk Feed with Molasses
 The H-O Co's New England Stock Feed
 The H-O Co's Poultry Feed
 The H-O Co's Steam Cooked Chick Feed
 The H-O Co's Vigor Feed
- HODGMAN MILLING CO., PAINTED POST, N. Y.
 Buckwheat Feed
 Chop Feed
- HOFFMAN & CO., SYRACUSE, N. Y.
 Brewers' Dry Grain
- HOLDRIDGE MILLING CO., RANDOLPH, N. Y.
 Royal Milk Producer
- STEPHEN HOLLANDS & SONS, HORNBELL, N. Y.
 Hollands' Dry Mash
- HOTTELET CO., THE, MILWAUKEE, WIS.
 Dried Beet Pulp
 Hector, Distillers' Dried Grains
 Holstein, Brewers' Dried Grains
- HUBBARD MILLING CO., MANKATO, MINN.
 Standard Fine Middlings with Ground Screenings not exceeding mill run
 Flaky Bran with Ground Screenings not exceeding mill run
- HUDSON BROS., SANBORN, N. Y.
 Crown Horse Feed
- HUMPHREYS-GODWIN CO., MEMPHIS, TENN.
 Dixie Brand Cotton Seed Meal
 Forfat Brand Cottonseed Meal
- HUBINGER BROS. CO., J. C., KEOKUK, IA.
 K K K Corn Gluten Feed
- HURON MILLING CO., THE, HARBOR BEACH, MICH.
 Jenks Corn Gluten Feed
- HYDRAULIC MILLING CO., BUFFALO, N. Y.
 Hydraulic Milling Company's Standard Chop Feed

- ILLINOIS VINEGAR MFG. CO., CHICAGO, ILL.
Ivy Grains
- IMPERIAL COTTO MILLING CO., PEORIA, ILL.
Imperial Cotto
- INDIANA MILLING CO., TERRA HAUTE, IND.
Holstein Feed
Sterling Feed
Wheat Bran with Ground Screenings not exceeding mill run
- INDUSTRIAL DISTILLING CO., WATERLOO, N. Y.
Columbia Corn Distillers' Grains
- INTERNATIONAL GLUE CO., BOSTON, MASS.
Red Star Brand Fish Scrap
- INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.
International Grofast Calf Meal
- INTERNATIONAL SUGAR FEED CO., MINNEAPOLIS, MINN.
International Climax Dairy Feed
International Dairy Feed
International Dan Patch Special Horse Feed
International Hog Feed and Charcoal
International Poultry Feed (Scratch)
International Special Dairy Feed
- JAMESTOWN ELECTRIC MILLS, JAMESTOWN, N. Y.
Jem Stock Feed
Purity Milk Maker
Purity Poultry Mash
- JENNINGS, F. L., ELMIRA, N. Y.
Reliable Poultry Mash
- JENNISON CO., W. J., MINNEAPOLIS, MINN.
Wheat Bran with Ground Screenings not exceeding mill run
Wheat Flour Middlings with Ground Screenings not exceeding mill run
- JORDAN ELEVATOR, INC., NEW YORK, N. Y.
Jordan Horse Feed
- JOSHEL, M. A., GENEVA, ILL.
"Peerles" Brewer's Dried Grains
- KAM MALTING CO., JOHN, BUFFALO, N. Y.
Malt Sprouts
- KEEVER STARCH CO., THE, COLUMBUS, O.
Keever Gluten Feed
- KEHLOR FLOUR MILLS CO., ST. LOUIS, MO.
Rex Wheat Middlings with Ground Screenings not exceeding mill run
- KELLOGGS & MILLER, AMSTERDAM, N. Y.
Pure (Old Process) Oil Meal
- KELSEY, A. T., MECKLENBURG, N. Y.
Buckwheat Feed
- KEMPER MILL & ELEVATOR CO., KANSAS CITY, MO.
Anchor Brand Choice Cottonseed Meal
Anchor Bran with Ground Screenings not exceeding mill run
Crescent Mixed Feed with Ground Wheat Screenings not exceeding mill run
Diamond K Bran with Ground Screenings not exceeding mill run
- KENYON, FRED M., WILLIAMSON, N. Y.
Supreme Dairy Feed
- KERN & SONS, JOHN B. A., MILWAUKEE, WIS.
Eagle Wheat Bran with Ground Screenings not exceeding mill run
Eagle Wheat Standard Middlings with Ground Screenings not exceeding mill run
- KEUSCH & SCHWARTZ CO., INC., NEW YORK, N. Y.
K&S Wheat Bran and Mill Run Screenings
K&S Wheat Middlings and Mill Run Screenings
- KIRBY & ROOT, COOPERSTOWN, N. Y.
Council Rock Stock Feed
- KNOWLTON, J. H., NICHOLVILLE, N. Y.
Aysshire Feed
- KRAUSE MILLING CO., CHAS. A., MILWAUKEE, WIS.
Badger Cream Flakes
Badger Dairy Feed
Badger Evergreen Feed
Badger Hominy Feed
Badger Horse Feed
Badger Stock Feed
Badger Fancy Mixed Feed
Badger Wheat Middlings & Maizo Reddog Flour
Blue Top Fine Chick Feed
Blue Top Fine Chick Feed
Blue Top Scratch Feed
Blue Top Scratch Feed (grit)
Cream City Horse Feed
Cream City Horse Feed
Derby Horse Feed
- LABAR & LAIN, PORT JERVIS, N. Y.
Horse Feed

- LANIER BROS., NASHVILLE, TENN.
 Canary Brand Cotton Seed Meal
 Jersey Brand Cotton Seed Meal
- LAPHAM & PARKS, GLENS FALLS, N. Y.
 Corn, Oats & Rye Feed
- LARABEE FLOUR MILLS CO., THE, HUTCHINSON, KAN.
 Wheat Bran with Mill Run Screenings not to exceed 8 per cent
- LARROWE MILLING CO., THE, COHOCTON, N. Y.
 Buckwheat Offal Feed
 Dried Beet pulp
 Dried Beet Pulp & Molasses
 Larro-Feed
 Mingo
 "Staff Brand" Cottonseed Meal
- LAW & WILBER, INC., COLLINS, N. Y.
 Square Deal Dairy Ration
- LAWRENCEBURG ROLLER MILLS CO., LAWRENCEBURG, IND.
 Snowflakes Mixed Feed
- LAXO CAKE MEAL CO., CHICAGO, ILL.
 Old Process "Laxo" Cake Meal
- LEMBECK & BETZ, WATKINS, N. Y.
 Malt Sprouts
- LENNON CO., FRANK J., NEW YORK, N. Y.
 Lennon's Horse Feed
- LOWELL FERTILIZER CO., BOSTON, MASS.
 Lowell Bone and Meat Meal for Poultry and Hogs
 Lowell Poultry Feed
- MC COY, GEORGE E., PEEKSKILL, N. Y.
 Evaporated Bone and Meat Meal for Poultry
- MACDONALD, J. M., CINCINNATI, O.
 Macado Cottonseed Meal
 Kineda Prime Cottonseed Meal
- MANN BROS. CO., THE, BUFFALO, N. Y.
 Pure Old Process Linseed Oil Meal
- MARCO MILLS, PINE BLUFF, ARK.
 Hominy Feed (M)
- MATSON, H. T., HANNIBAL, N. Y.
 Matson's Dairy Feed
- MATTHEWS & HARRISON, KINGSTON, N. Y.
 Colonial Stock Feed
 Arcade Stock Feed
 Ulster Dairy Feed
 Ulster Horse Feed
- MAURER, MARTIN R., INC., ELIZABETH, N. J.
 Maurer's Kwality Meat & Bone Scraps
- MAYDOLE & CO., D., NORWICH, N. Y.
 Old Stone Grist Mill Celebrated Dry Mash
- MEADER-ATLAS CO., THE, NEW YORK, N. Y.
 Atlas Horse Feed
 Ben Hur Horse Feed
 Bowling Green Horse Feed
 Comal Horse Feed
 Monogram Feed
- MELVALE DISTILLERY CO., BALTIMORE, MD.
 Distillers' Dried Grains
- MEMPHIS COTTON HULL & FIBRE CO., THE, MEMPHIS, TENN.
 Cyclone Cotton Seed Feed
 Selden Brand Cottonseed Meal
- MERCHANTS' DISTILLING CO., TERRE HAUTE, IND.
 Merchants' High Grade Dairy Feed
- MERRELL-SOULE CO., SYRACUSE, N. Y.
 Merrell-Soule Calf Food
- MERIDIAN GRAIN & ELEVATOR CO., MERIDIAN, MISS.
 Tip Top Choice Cotton Seed Meal
- METROPOLITAN MILLS, NEW YORK, N. Y.
 Alpha-Grain Horse Feed
 Arrowhead Horse Feed
- METZGER SEED & OIL CO., THE, TOLEDO, O.
 Old Process Oil Meal
- MEYER MALTING CO., GEO. J., BUFFALO, N. Y.
 Malt Sprouts
- MIDLAND LINSEED PRODUCTS CO., MINNEAPOLIS, MINN.
 Midland Brand Pure Old Process Ground Linseed Cake
- MILWAUKEE GRAINS & FEED CO., MILWAUKEE, WIS.
 "Crown" Dried Brewers' Grains
- MINNESOTA LINSEED OIL CO., MINNEAPOLIS, MINN.
 Ground Linseed Cake—Old Process
- MOFFAT, HENRY C., BUFFALO, N. Y.
 Malt Sprouts
- MOHAWK CONDENSED MILK CO., SHERMAN, N. Y.
 Mohawk Dairy Ration

- MOLASSINE CO. OF AMERICA, BOSTON, MASS.
Molassine Sphagnum Feed
- MONTGOMERY & CO., C. L., MEMPHIS, TENN.
Canary Brand Cotton Seed Meal
- MOON & CO., G. Q., BINGHAMTON, N. Y.
G. Q. Moon & Co.'s Fresh Ground Mixed Feed
- MORRIS BROS., ONEONTA, N. Y.
Morris Special Dairy Feed
- MORSCH & SON, J. P., WAYLAND, N. Y.
Chop Feed
- MOSELEY & MOTLEY MILLING CO., ROCHESTER, N. Y.
Wheat Middlings with Ground Screenings not exceeding mill run
- MOSES BROS., EATON, N. Y.
Madison Poultry Mash
Madison Stock Feed
- MUTUAL RICE CO., INC., NEW YORK, N. Y.
Rice Feed
- MYSTIC MILLING & FEED CO., ROCHESTER, N. Y.
Mystic Feed for Horses, Cattle & Swine
Mystic Growing Mash
Mystic Laying Mash
- MYSTIC MILLING CO., SIOUX CITY, IA.
Hominy Feed
Mixed Feed
- MC EWEN MILLING CO., R. H., OGDENSBURG, N. Y.
Pontiac Dairy Ration
Yellow Hominy Feed
- NATIONAL FEED CO., ST. LOUIS, MO.
Pure Alfalfa Meal
Pure Hominy Feed
Wheat Bran and Middlings Run Together with Screenings not exceeding mill run
Wheat Bran and Screenings not exceeding mill run
Wheat Middlings with Ground Screenings not exceeding mill run
- NATIONAL MILLING CO., THE, TOLEDO, O.
Osota Mixed Feed
Wheat Bran with Ground Screenings not exceeding mill run
- NEUMOND, K. & E., ST. LOUIS, MO.
Goldnes Kalb Brewers' Dried Grains
- NEWHOF & SON, L., ALBANY, N. Y.
Poultry Food
- NEW PRAGUE FLOURING MILL CO., NEW PRAGUE, MINN.
Seal of Minnesota Bran with Screenings not exceeding mill run
- NICHOLS BROTHERS, KENNEDY, N. Y.
Old Nick Milk Maker
- NOBLESVILLE MILLING CO., NOBLESVILLE, IND.
N. M. Co.'s Mixed Feed
- NORTHERN LINSEED OIL CO., MINNEAPOLIS, MINN.
Ground Linseed Cake
- NORTHWESTERN CONSOLIDATED MILLING CO., THE, MINNEAPOLIS, MINN.
Planet Feed
Wheat Flour Middlings with Ground Screenings not exceeding mill run
Wheat Mixed Feed Composed of Wheat Bran, Flour Middlings and Ground Screenings not exceeding mill run
Wheat Standard Middlings with Ground Screenings not exceeding mill run
- NOTHERN, W. C., LITTLE ROCK, ARK.
Bee Brand Cotton Seed Meal
- NOWAK & SON, A., BUFFALO, N. Y.
Buffalo Horse Feed
Butterine Dairy Feed
Cream-O-Lene Dairy Ration
Justice Brand Hominy Feed
Justice Creamery Feed
Justice Stock Feed
Lay-Egg-O Dry Mash
Pure-Mo-Lene Horse Feed
Pure-Vim-O-lene Horse Feed
Union Dairy Feed
- NOWAK MILLING CORPORATION, BUFFALO, N. Y.
Justice Growing Mash
Justice Laying Mash
- OGDENSBURG ROLLER MILLS, OGDENSBURG, N. Y.
Oswegatchie Feed
Ogdensburg Roller Mills Wheat Bran with Ground Screenings not exceeding mill run
- OIL SEEDS CO., NEW YORK, N. Y.
Alpha Brand Peanut Oil Meal
Beta Brand Peanut Oil Meal
Coco Brand Cocoanut Meal
- O. K. COMPANY, THE, NEW YORK, N. Y.
Puritan Chick Food

OMAHA ALFALFA MILLING CO., OMAHA, NEB.

Alfalfa Meal
 Alfalmo
 Ginger Horse Feed
 Green Meadow Dairy Feed
 Peerless Horse Feed
 Perfection Horse Feed

ORR & SONS, WM., ORR'S MILLS, N. Y.

Orr's Digestible Laying Mash
 Orr's Growing Chick Mash
 Orr's Mixed Feed

PARK & POLLARD CO., THE, BOSTON, MASS.

Alfalfa
 Blue Ribbon Meat Scraps
 Gritless Chick Feed
 Growing Feed
 Lay or Bust (Dry Mash)
 Park & Pollard Co. Calf Meal
 Park & Pollard Horse Feed
 Stock Feed

PARKER, T. R., RICHFIELD SPRINGS, N. Y.

Otsego Dairy Feed

PATENT CEREALS CO., THE, GENEVA, N. Y.

Hominy Feed

PATTERSON & CO., G. E., MEMPHIS, TENN.

Apex Stock Feed
 Crown Horse Feed
 Patco Horse Feed

PEROT MALTING CO., BUFFALO, N. Y.

Malt Sprouts

PETERS MILL CO., M. C., OMAHA, NEB.

Alfalfa Queen Mills Balanced Dairy Feed
 June Pasture
 Peters' Alfalfa-fat Molasses Feed
 Peters' Arab Horse Feed
 Peters' High Score Alfalfa Molasses Feed
 Peters' King Corn Oats, Alfalfa, Corn & Molasses Feed
 Peters' Lucern Alfalfa Meal
 Peters' Rabbit Mule Feed
 Peters' Re-Peter Horse Feed

PHELPS & SIBLEY CO., CUBA, N. Y.

A-Corn Feed Meal
 Favorite Poultry Mash
 Phelps & Sibley Co. Fancy Wheat Bran with Ground Screenings not exceeding mill run
 Phelps & Sibley Co. Fancy Wheat Middlings with Ground Screenings not exceeding mill run
 White P & S Feed
 Yellow P & S Feed

PIEL BROS. STARCH CO., INDIANAPOLIS, IND.

PBro. Corn Gluten Feed

PILLSBURY FLOUR MILLS CO., MINNEAPOLIS, MINN.

Durum Wheat "B" Middlings with Ground Screenings not exceeding mill run
 Durum Wheat Bran with Ground Screenings not exceeding mill run
 Pillsbury's Fancy Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Pillsbury's Wheat "A" Middlings with Ground Screenings not exceeding mill run
 Pillsbury's Wheat Bran with Ground Screenings not exceeding mill run
 Pillsbury's Wheat Standard "B" Middlings with Ground Screenings not exceeding mill run

PLANT MILLING CO., GEO. P., ST. LOUIS, MO.

(P) Wheat Bran with Screenings not exceeding mill run
 (P) Wheat Middlings with Screenings not exceeding mill run

POPE, CHAS., RIVERDALE, ILL.

Dried Beet Pulp

PRATT CO., ARTHUR E., ALBANY, N. Y.

Arthur E. Pratt Co's Champion Chick Grains
 Arthur E. Pratt Co's Champion Egg Mash
 Arthur E. Pratt Co's Champion Growing Mash

PRATT FOOD CO., PHILADELPHIA, PA.

Pratt's Baby Chick Food

PURITY OATS CO., DAVENPORT, IA.

Iowa Chick Feed
 Iowa Dairy Feed
 Iowa Scratch Feed
 Iowa Stock Feed
 Purity Reground Oat Hulls

QUAKER CITY MFG. CO., PHILADELPHIA, PA.

Quaker City Brand Beef Scraps

- QUAKER OATS CO., THE, CHICAGO, ILL.
 American Poultry Food
 Blue Ribbon Dairy Feed
 Boss Feed
 Buckeye Feed
 C. O. & B. Feed
 Green Cross Horse Mixed Feed with Molasses
 Horse Power Feed
 Quaker Chick Feed
 Quaker Dairy Feed with Molasses
 Quaker Poultry Mash
 Schumacher Calf Meal
 Schumacher Little Chick Feed
 Schumacher Scratch Grains
 Schumacher Special Horse Feed
 Schumacher Stock Feed
 Sterling Stock Feed
 Victor Feed
 Vim Feed
 White Diamond Feed
 Yellow Hominy Feed
- RALSTON PURINA CO., ST. LOUIS, MO.
 Good Luck Feed with Molasses
 O. K. Feed with Molasses
 Protana Dairy Feed
 Purina Alfalfa Meal
 Purina Chicken Chowder Feed with Charcoal not over 1 per cent
 Purina Cow Chow Feed
 Purina Cow Chow Feed
 Purina Dairy Feed
 Purina Dairy Feed
 Purina Feed with Molasses
 Purina-O-Molene Feed
 Purina-O-Molene Horse Feed
 Purina Sweet Feed
 Star Feed with Molasses
 Winner Feed with Molasses
 Winner Prime Cottonseed Meal
- RANKIN & CO., M. G., MILWAUKEE, WIS.
 Jersey Hominy Feed
 Wheat Bran with Ground Screenings not to exceed mill run
- RED WING MILLING CO., RED WING, MINN.
 Bixota Bran with Ground Screenings not exceeding mill run
- REPUBLIC MILLING CO., EAST ST. LOUIS, ILL.
 Leader Horse Feed
 Pennant Mixing Feed
 Republic Dairy Feed
 Republic Horse Feed
- REUTER & CO., JOHN M., ELIZABETH, N. J.
 Reuter's Special Horse and Mule Feed
- REYNOLDS, J. A., ALBANY, N. Y.
 Peerless Egg Mash
 Peerless Milk Grains
 Peerless Stock Feed
- ROBERTS VETERINARY CO., DR. DAVID, WAUKESHA, WIS.
 Dr. David Roberts Calf Meal
- ROBINSON, GEO. B., JR., NEW YORK, N. Y.
 Cotton Seed Meal
- ROBINSON & ERLER, INC., RIVERHEAD, N. Y.
 Erler's Excelsior Feed with Alfalfa
 Erler's Horse and Cow Feed
- ROCKWELL & CO., CHARLES, MOUNT VERNON, N. Y.
 Charles Rockwell & Company's Dry Poultry Mash
 Maumee Stock Feed
- ROMAINE, D. W., JERSEY CITY, N. J.
 Boiled Beef and Bone
- ROSEKRANS-SNYDER CO., PHILADELPHIA, PA.
 Pilsner Brewers' Dried Grains
- RUSH CITY MILLING CO., RUSH CITY, MINN.
 Radisson Mixed Feed
- RYAN BROS., JAMESVILLE, N. Y.
 Barley Middlings containing Barley Hulls
- RYDE & CO., CHICAGO, ILL.
 Ryde's Cream Calf Meal
- SCHAEFER & SON, CHAS., BROOKLYN, N. Y.
 American Alfalfa Molasses Feed
 American Standard Chick Feed
 American Standard Horse Feed
 American Standard Scratch Feed
 C. S. & S. Horse & Dairy Feed
 C. S. & S. Horse Feed

- SCHLITZ BREWING CO., JOS., MILWAUKEE, WIS.
Schlitz Purity Dried Grains
- SEELY CO., THE S. ALFRED, SPENCER, N. Y.
Buckwheat Feed
- SHANE BROS. & WILSON CO., MINNEAPOLIS, MINN.
C. D. M. Wheat White Middlings with Ground Screenings not exceeding mill run
King Midas Wheat Mixed Feed with Ground Screenings not exceeding mill run
Snowball Wheat White Middlings with Ground Screenings not exceeding mill run
Wheat Standard Middlings with Ground Screenings not exceeding mill run
- SHAW & TRUESDELL CO., BROOKLYN, N. Y.
Shaw & Truesdell Co.'s Poultry Mash
- SHEFFIELD-KING MILLING CO., MINNEAPOLIS, MINN.
Fairybrow
Fancy "Brodfake"
"Gold Mine" Feed
- SHERWIN-WILLIAMS CO., THE, CLEVELAND, O.
S-W-C Linseed Oil Meal
- SLEEPY EYE FLOUR MILLS CO., MINNEAPOLIS, MINN.
Standard Middlings with Ground Screenings not to exceed mill run
- SMITH, ANGEVINE & CO., PORT CHESTER, N. Y.
Smith's Ground Meat & Bone Scrap for Poultry
- SMITH & BRO., A. V., MARCELLI'S FALLS, N. Y.
Barley Feed. May or may not contain ground oats
- SMITH, FRED, ELMIRA, N. Y.
Smith's Special Poultry Mash
- SMITH & WALLACE CO., J. C., NEWARK, N. J.
Prize Horse Feed
- SMITH, W. NEWTON, BALTIMORE, MD.
Dirigo Brand Cotton Seed Meal
- SNYDER & CO., C. F., CHICAGO, ILL.
Kleinco Malt Sprouts
- SOMERS & CO., SAN FRANCISCO, CAL.
Red Star Brand Alfalfa Meal
- SOPER CO., J. E., BOSTON, MASS.
Blue Ribbon Hominy Chop
Pilgrim Cottonseed Meal
"Pioneer" Cottonseed Meal
- SOUTHERN COTTON OIL CO., THE, CHARLOTTE, N. C.
"Anrora" Cottonseed Meal
"Bonita" Cottonseed Meal
- SPARKS MILLING CO., ALTON, ILL.
Try Me Winter Mixed Feed
- SPENCER KELLOGG & SONS, INC., BUFFALO, N. Y.
Pure Old Process Oil Meal made from Linseed Cake
- SPRATT'S PATENT (AM.) LIMITED, NEWARK, N. J.
Spratt's Chickgrain
Spratt's Chick Meal
Spratt's Egg Mash Food
Spratt's Ground Meat
- STANLEY CO., JOHN T., INC., NEW YORK, N. Y.
"Stanleys"
- STANTON, H. M., SCHENECTADY, N. Y.
Ground Beef and Bone Scraps
- STAR MILL, D. W. ALSDORF, PROP., LITTLE VALLEY, N. Y.
Star Dairy Feed
- STEVENS MILLING & FEED CO., LACONA, N. Y.
Stevens Dairy Ration
- STOCK & SONS, F. W., HILLSDALE, MICH.
"Monarch" Feed
"Superior" Feed
- STOTT FLOUR MILLS, DAVID, INC., DETROIT, MICH.
Stott's Spring Wheat Bran with Ground Screenings
Stott's "Winner Feed"
- STRAIT MILLING CO., J. H., CANISTEO, N. Y.
No. 2 Feed
- STREETER & SONS, L. L., JOHNSTOWN, N. Y.
Adirondack Egg Mash
Adirondack Stock Feed
Yellow Feed Meal
- SUFFERN HUNT MILLS, DECATUR, ILL.
Acme Hominy Feed
- SUGARINE COMPANY, THE, PEORIA, ILL.
Sugarine Dairy Feed
Sugarine Horse Feed (with Alfalfa)
- SUGAR LAND FEED CO., SUGAR LAND, TEX.
Eldridge Mxtrite Stock Feed
- SWIFT & CO., CHICAGO, ILL.
Swift's Digester Tankage
Swift's "Eureka" Meat Scraps
Swift's "Laymore" Meat Scraps
Swift's Meat Scraps

SYRACUSE MILLING CO., SYRACUSE, N. Y.

Syracuse Dairy Feed
Syracuse Dry Mash
Syracuse Stock Feed

SYRACUSE RENDERING CO., SYRACUSE, N. Y.

Syracuse Bone & Meat Meal for Poultry
Syracuse Poultry Food prepared from Cooked Meat and Bone Scrap
Syracuse Poultry Food prepared from Cooked Meat & Bone Scraps (Animal Products)

TAYLOR, WILLIAM, LYONS, N. Y.

Malt Sprouts

TEDD'S SONS, W. L., SAYRE, PA.

Tedd's Ready Mixed Laying Mash

TEXAS CAKE & LINTER CO., DALLAS, TEXAS

Interstate Brand, Prime Cottonseed Meal and Cake
Sunset Brand, Prime Cottonseed Meal and Cake
Texoma Brand, Choice Cotton Seed Meal and Cake

THOMPSON & MOULT, GOSHEN, N. Y.

Corn Bran
Ground Screenings
Malt Sprouts
Mixed Feed
Special Hominy Feed

THOMPSON MILLING CO., LOCKPORT, N. Y.

Angelus Bran with Ground Screenings not exceeding mill run
Angelus Flour Middlings with Ground Screenings not exceeding mill run
Angelus Middlings with Ground Screenings not exceeding mill run
Angelus Mixed Feed with Ground Screenings not exceeding mill run
Corn Feed Meal

THORNTON & CHESTER MILLING CO., BUFFALO, N. Y.

T. & C. Wheat Bran with Ground Screenings not exceeding mill run
T. & C. Wheat Coarse Midds with Ground Screenings not exceeding mill run
T. & C. Wheat Middlings with Ground Screenings not exceeding mill run
T. & C. Wheat Mixed Feed with Ground Screenings not exceeding mill run

TIOGA MILL & ELEVATOR CO., WAVERLY, N. Y.

Colonels Ration
Derby Horse Feed
Derby Meal
Derby Stock Feed
Economy Feed
Omar Mixed Feed
Omocobo
Tioga Dairy Feed
Tioga Dry Mash
Ti-O-Ga Wheat Middlings
Waverly Flour Wheat Middlings

TOLEDO SEED & OIL CO., THE, TOLEDO, O.

Major Brand Old Process Oil Meal

TOMLINSON & SON, GEORGE, PERRY, N. Y.

Chop Feed

TORULA COMPANY, THE, BUFFALO, N. Y.

"Protorul," natural unadulterated animal food

TRADERS' & PRODUCERS' SUPPLY CO., BUFFALO, N. Y.

Chippewa Choice Cotton Seed Meal
Chippewa Distillers' Grains
Chippewa Fancy Wheat Middlings with Ground Screenings not exceeding mill run

UBIKO MILLING CO., THE, CINCINNATI, O.

Fourax (XXXX) Distillers' Dried Grains
Ubiko Horse & Stock Feed
Union Grains, Ubiko, Biles Ready Dairy Ration

UNION BROKERAGE & COMMISSION CO., VICKSBURG, MISS.

Durjan Brand Cotton Seed Meal
"Magnolia" Brand Cotton Seed Meal

UNION SEED & FERTILIZER CO., NEW YORK, N. Y.

American Red Tag Cottonseed Meal
Yellow Tag Choice Cottonseed Meal

UNION STARCH & REFINING CO., EDINBURG, IND.

Union Corn Gluten Feed

UNITED STATES FRUMENTUM CO., THE, DETROIT, MICH.

Frumentum Hominy Feed

UNITED STATES SUGAR FEED CO., MILWAUKEE, WIS.

U. S. Sugared Feed

URBAN MILLING CO., GEORGE, BUFFALO, N. Y.

Rye Feed with Ground Screenings not exceeding mill run
Wheat and Rye Middlings with Ground Screenings not exceeding mill run
Wheat Bran with Ground Screenings not exceeding mill run
Wheat Middlings with Ground Screenings not exceeding mill run
Wheat Mixed Feed with Ground Screenings not exceeding mill run

VAN BUREN, E. T., HOBART, N. Y.

Horse Feed No. 2

- VAN DERSTINE CO., THE, LONG ISLAND CITY, N. Y.
 Darling's Blood Meal for Poultry
 Darling's 40 per cent Protein Digester Tankage for Hogs
 Darling's High Protein Meat Scraps for Poultry
 Darling's Pure Ground Meat Scraps for Poultry
 Darling's 60 per cent Protein Digester Tankage for Hogs
- VERMONT CEREAL CO., BURLINGTON, VT.
 Waumbeck Butter Fat Meal
 Waumbeck Milk Maker Mixture
- VICTOR MILLING CO., VICTOR, N. Y.
 Victor Spring Wheat Bran with Screenings not exceeding mill run
 Victor Spring Wheat Middlings with Screenings not exceeding mill run
- VOLKMAN, FREDERICK J., BOSTON, MASS.
 Dried Brewers' Grains
- WAGAR & CO., C. W., PHILADELPHIA, PA.
 Middlesex Winter Wheat Mixed Feed
- WALLACE, L. R., MIDDLETOWN, N. Y.
 Mapes' Balanced Ration for Poultry
 Our Best Horse Feed
- WALLER & CO., A., HENDERSON, KY.
 Blue Grass Valley Feed
 Stone Mills Mixed Feed
- WALTER MILLING CO., J. A., INC., BUFFALO, N. Y.
 Walter's Brand "Course Bran" with Ground Screenings not exceeding mill run
 Walter's Brand S Middlings with Ground Screenings not exceeding mill run
- WARNER & STELLWAGEN, BROOKLYN, N. Y.
 Sterling Horse Feed
- WASHBURN-CROSBY CO., MINNEAPOLIS, MINN.
 Wheat Bran with Ground Screenings not exceeding mill run
 Wheat Flour Middlings with Ground Screenings not exceeding mill run
 Wheat Mixed Feed with Ground Screenings not exceeding mill run
 Wheat Standard Middlings with Ground Screenings not exceeding mill run
- WASH-CO ALFALFA MILLING CO., FT. CALHOUN, NEBR.
 Alfalgreen
 Butlers Special Horse Feed
 Practical Horse Feed
 Wash-Co Alfalfa Meal
 Wash-Co Horse Feed
- WATERTOWN MILLING CO., WATERTOWN, N. Y.
 Garland Corn & Oats
 Garland Makes-Em-Lay Egg Mash
- WEISS ALFALFA STOCK FOOD CO., THE OTTO, WICHITA, KAN.
 Otto Weiss Alfalfa Meal
- WESTCHESTER GRAIN CO., PORT CHESTER, N. Y.
 Corn and Oat Chop Feed
- WESTERN CANADA FLOUR MILLS CO., TORONTO, ONT., CANADA
 Spring Wheat Bran with Ground Screenings not exceeding mill run
- WESTERN FLOUR MILL CO., DAVENPORT, IA.
 Black Hawk Wheat Bran with Ground Screenings not exceeding mill run
- WESTERN GRAINS & FEED CO., CHICAGO, ILL.
 Dried Brewers' Grains
- WESTERN GRAIN PRODUCTS CO., HAMMOND, IND.
 Hammond Dairy Feed
- WESTON & CO., WELDON F., BEACON, N. Y.
 Weston's Horse Feed with Alfalfa and Molasses
 Weston's Dairy Feed with Alfalfa and Molasses
- WOLLENBERG BROS., BUFFALO, N. Y.
 W. B. Horse Feed
 W. B. Stock Feed
- XTRAVIM MOLASSES FEED CO., BOSTON, MASS.
 Xtra-vim Feed
- ZWICKEL & CO., ALBERT, BUFFALO, N. Y.
 Malt Sprouts
- ZWICKEL MALTING CO., THE C., BUFFALO, N. Y.
 Malt Sprouts

FOOD

Article VIII of the statute prohibits the sale of certain foods and regulates the sale of other foods. This statute defines food as being condiments, confectionery, and foods used by man, whether simple, mixed, or compound. It will thus be noted that beverages and drugs are not included under this law. The sale of any food product containing an ingredient which may render

the finished product harmful is prohibited. The sale of other food products which by their composition or make-up would technically be adulterations as adulteration is defined in the statute, or would be technically misbranded as defined in the statute, would be prohibited under certain conditions: namely, such goods as are known under their own distinctive names and sold under that name, presumptively the theory being that they are so well known to the public that the purchaser is not deceived. The sale of other goods that would be either misbranded or adulterated in a technical sense is permitted as not being misbranded or adulterated if they are plainly marked to show that they are mixtures, compounds, combinations, imitations, or blends, and provided further that they are marked to show their constituents.

Under this statute the food products sold in the State are as a whole pure and wholesome within the meaning of the statute, and such as are not sold under their own distinctive names are branded to show their character and constituents. Of course there are a few exceptions, but they are small as compared with the quantity of the goods sold. To illustrate, out of all the samples examined in the State, only 2,719 official samples were taken during the year for analysis and further examination. Of these, there were 415 certificates referred to the Legal Bureau to determine whether they were violations of the statute.

Considerable work has been performed during the year in the line of instruction, endeavoring to inform the dealers in food products, more particularly the manufacturers, concerning the requirements of the statute as to marking, branding, or labeling the products they put up. This work is considered essential and practical in that it has a tendency to prevent violations on the part of those whose intentions are the best but who might fail through ignorance, thus reducing the probability of litigation by a large percentage. It is considered to be an economic proposition, to say nothing of its direct and immediate benefit to the purchaser and consumer.

Further to extend the education work, this Bureau has a traveling food exhibit which has been shown in many cities of the State, on request of different organizations interested in pure food.

Of the cases which it may be permissible to call ignorant or unintentional violations, a few are cited below. There may be found on the market from time to time flavoring labeled as follows:

VANILLA COMPOUND

Composed of

Vanillin and Coumarin

or sometimes

Tonka and Coumarin.

This substance should be labeled, for instance,

FLAVORING

Composed of

Vanillin and Coumarin

or

Tonka and Coumarin

as the case may be. It might be permissible to label it, if the letters in the words were all the same size, as follows:

SUBSTITUTE FOR VANILLA

Composed of

VANILLIN AND COUMARIN

A cooking compound composed of oleo stearine, cottonseed oil, etc., is found sold as "Lard Compound." This commodity is not lard, nor does it contain lard, and the word lard should not be used in connection with it, unless used in the following manner: namely, "Substitute for Lard," then naming the ingredients. A proper branding would be:

COOKING COMPOUND

Composed of

Oleo Stearine and

Cottonseed Oil

I cannot be too emphatic in saying that, even if this compound was partly made of lard, it should not be called a lard compound, although it might be called "A compound of Lard and Oleo Stearine," if this is the substance used.

Another example of lack of proper branding is in selling dried fruit which has been bleached with sulphur dioxide without label-

ing the product to show that it contains sulphur dioxide. The same would apply to molasses that has been so bleached.

Instances have been found in which hamburg steak, so-called, has been preserved by the use of substances prepared for that purpose, and the meat has been sold without being marked or branded to show the presence of the preservative. Sausages containing cereal are frequently sold plainly as sausages without being branded as they should be to show that they contain added cereal.

There are sometimes sold on the markets cooking substances branded with the words "Cooking Compound," which are simple substance made entirely from a single product, such as cottonseed oil. To brand such a commodity as a compound or mixture carries the responsibility to name the constituents when it has none, and the statute requires that in compounds or mixtures the constituents must be stated. Such commodities should not be branded or labeled as a compound or mixture.

Much has been done during the year in the way of instruction to persons putting up this class of goods, which are now being branded and marked in accordance with the requirements of the statute, to the benefit of the consumer.

During the year there have been collected from the markets for further examination or analysis, or both, to determine whether their sale or exposure for sale was a violation of the statute, samples as listed below. The certificates of analysis of all these samples were taken and examined, and the evidence in connection with all that appeared to be adulterations, or concerning which there was a doubt, was duly referred to the Legal Bureau for consideration and determination.

NAME OF COMMODITY	NUMBER OF SAMPLES	NUMBER OF VIOLATIONS
Acme Whipper.....	1	1
Albumentine.....	1	1
Allspice.....	10	0
Apples.....	4	2
Apple Butter.....	1	
Apricots.....	36	19
Baking Powder.....	5	1
Barley.....	1	0
Beans.....	6	1
Beets.....	1	0
Buckwheat Grits.....	1	0
Bread.....	1	0
Butter.....	81	65
Butter Flavor.....	1	1
Cabbage.....	1	0
Cake Mix.....	1	0
Cake Flavoring.....	1	1
Cakes.....	1	1

NAME OF COMMODITY	NUMBER OF SAMPLES	NUMBER OF VIOLATIONS
Carmel	1	1
Catsup	65	40
Celery Salt.....	2	1
Cera Laxa.....	1	
Cereals	2	0
Cheese	263	18
Cherries	16	4
Chicory	3	0
Chocolate	4	2
Chow Chow.....	1	1
Cinnamon	7	2
Citron	3	1
Cloves	7	1
Cocoa	16	1
Cocanut	17	10
Coffee	21	3
Confectionery	396	99
Confectioner's Stock.....	1	1
Corn	3	0
Corn Starch.....	1	0
Cream	40	16
Cream Tartar.....	10	0
Creole Dinner.....	1	
Currants	22	14
Dextrine	1	1
Extracts:		
Arrac Flavor	1	1
Almond	4	0
Banana	4	2
Ginger	19	0
Lemon	60	37
Maple	2	2
Orange	3	1
Pineapple	2	
Raspberry	7	
Strawberry	9	8
Vanilla	98	73
Vaterland	1	1
Figs	8	3
Fish	9	3
Fish Chowder.....	1	1
Flour	61	18
Gelatine	4	0
Herring, dried.....	1	
Honey	20	1
Horse Radish.....	9	0
Ice Cream Cones.....	4	0
Icing	1	1
Jam	7	1
Jelly	27	7
Lard	101	82
Lemon Pie Filling.....	1	
Macaroni	9	2
Mace	4	3
Malt Extract.....	1	0
Mapleino	1	1
Maple Sugar.....	56	6
Maple Syrup.....	58	1
Marmalade	4	0
Marshmallow Cream.....	6	5
Marshmallow Whip.....	1	
Meat	90	38
Milk	618	464
Milk, Condensed.....	6	0
Milk, Evaporated.....	7	2
Milk, Malted.....	2	2
Milk, Skim.....	2	2
Milk Bottles, Illegal Use of	67	67
Mince Meat.....	10	2
Molasses	25	6
Mustard	106	5
Noodles	7	0
Nucoline	1	1
Nutmeg	1	0
Oleo	36	34
Oils:		
Olive	56	9
Salad	3	0
Table	1	1

NAME OF COMMODITY	NUMBER OF SAMPLES	NUMBER OF VIOLATIONS
Olives	1	0
Onion Salt.....	1	
Onion Seasoning.....	1	1
Oysters	1	0
Oyster Stew.....	1	
Paste	2	2
Peaches	55	35
Peanut Butter.....	8	0
Peas	4	1
Pepper	114	0
Pickles	106	28
Plums	1	0
Pork & Beans.....	2	0
Post Tavern Special.....	1	
Potato Chips.....	3	0
Preserves	4	1
Pumpkins	4	0
Raisins	8	0
Relish	4	4
Raspberry	1	0
Rice	65	10
Salads	4	4
Salad Dressing.....	11	6
Sardines	1	1
Sauerkraut	24	1
Sausages	249	68
Scrapple	1	
Shortening	1	0
Sphagetti	2	1
Spinach	4	0
Spice	2	2
Sugar	2	0
Succotash	2	0
Syrup	27	8
Table Sauce.....	2	1
Tapioca	8	0
Tartar Sauce.....	1	
Tea	2	1
Tomatoes	15	1
Tomato Sauce.....	3	
Tripe	1	
Vegetable Compound.....	1	1
Vinegar	407	297

COMMERCIAL FERTILIZER

Article IX of the Agricultural Law provides for the licensing of fertilizers sold in this State, the selling price of which exceeds \$5 per ton, and for the taking of samples thereof of each brand for submission to the New York Agricultural Experiment Station for analysis. Each different brand of fertilizer must be licensed. From January 1, 1915, to January 1, 1916, there have been issued 982 such licenses, for which the State received \$20 per license, or, in the aggregate, \$19,640.

The work of inspection consists in examining these fertilizers, taking a statement of the branding or labeling thereon to ascertain whether it conforms to the statement as to its constituents filed with the Department. If these products are found upon analysis to conform to such statements, then the same is not in violation of the statute; otherwise it is. This statute is in the

interest of fertility of the soil, and therefore in the interest of increased production and of vital interest to the consuming public.

Since the establishment of this Bureau in 1904, the license fees collected each year have been as follows:

1904	.....	\$340
1905	.....	13,700
1906	.....	14,200
1907	.....	13,900
1908	.....	14,320
1909	.....	15,560
1910	.....	17,360
1911	.....	18,740
1912	.....	20,740
1913	.....	22,880
1914	.....	22,940
1915	.....	19,640

During the year 1915 there were collected 1,162 samples of commercial fertilizers, and same were forwarded to the Director of the Experiment Station for analysis. Evidence relative to 41 samples has been referred to the Legal Bureau of the Department for consideration and the determination of such action as might seem advisable. During the year there has been forwarded to the Director of the New York Agricultural Experiment Station, Geneva, for publication in bulletin form, information relative to samples collected during the past season. This information has been published in Geneva Bulletin 410.

The names and addresses of parties to whom certificates have been issued for the sale of brands of commercial fertilizer or materials to be used as fertilizer, together with the brand or trade names, are given below.

ALPHANO HUMUS CO., NEW YORK, N. Y.

Prepared Alphano Humus

AMERICAN AGRICULTURAL CHEMICAL CO., THE, NEW YORK, N. Y.

Acme Revised Special Potato & Truck

Acme Special Early Crop Producer

Acme Special No. 1 Potato Manure

Basic Lime Phosphate

Bone Meal

Bradley's Alkaline Phosphate & Potash

Bradley's Big Dipper

Bradley's Eclipse Phosphate

Bradley's Extra Complete Manure

Bradley's Half Century Fertilizer

Bradley's King George

Bradley's New Method Fertilizer

Bradley's Niagara Phosphate

Bradley's Patent Superphosphate

Bradley's Special B. D. Guano

Bradley's Special Complete Manure for Potatoes & Vegetables

Bradley's Special Golden Eagle

Bradley's Special Magic Phosphate

Bradley's Special New Rival Fertilizer

Bradley's Special Superior Compound

Bradley's Unicorn

Bradley's Vegetable Fertilizer

Clark's Cove King Philip Alkaline Guano

Crocker's Ammoniated Superphosphate

Crocker's Best Truck Manure
 Crocker's Dissolved Phosphate & Potash
 Crocker's Garden Fertilizer
 Crocker's General Crop Fertilizer
 Crocker's Harvest Jewel Fertilizer
 Crocker's New Rival Fertilizer
 Crocker's Nobsque Guano
 Crocker's Potato, Hop & Tobacco Fertilizer
 Crocker's Revised High Grade Special
 Crocker's Revised Special Potato Manure
 Crocker's Special Anchor Brand
 Crocker's Special Colonial Fertilizer
 Crocker's Special Complete Manure
 Crocker's Special High Grade Potato Fertilizer
 Crocker's Special Paragon Phosphate
 Crocker's Universal Grain Grower
 Crocker's Wheat & Corn Fertilizer
 Darling's Special Blood, Bone & Potash
 Darling's Special Long Island "A"
 Dry Ground Fish
 East India A A Ammoniated Superphosphate
 East India Economizer Phosphate
 East India Hawkeye Fertilizer
 East India Ideal Mixture
 East India Mayflower
 East India Revised Victor Special
 East India Roanoke Phosphate
 East India Special Cabbage & Potato Manure
 East India Special Corn King
 East India Special Garden & Farm Manure
 East India Special Monarch Phosphate
 East India Special Nitrogenized Complete Manure
 East India Special Pilgrim Fertilizer
 East India Special Potato Manure
 East India Unexcelled Fertilizer
 Extra Complete Manure
 Fine Ground Bone
 Fine Ground Nova Scotia Plaster
 14 per cent Acid Phosphate
 Grain Grower No. 1
 Grain Grower No. 3
 Great Eastern Cabbage & Cauliflower Special
 Great Eastern Dissolved Acid Phosphate
 Great Eastern High Grade Potato Fertilizer
 Great Eastern Revised Garden Special
 Great Eastern Revised General
 Great Eastern Revised Northern Corn Special
 Great Eastern Soluble Bone & Potash
 Great Eastern Special Crop Fertilizer
 Great Eastern Special Peerless Potato Manure
 Great Eastern Vegetable, Vine & Tobacco Fertilizer
 Ground Tankage 9 & 20
 Ground Tankage 6 & 30
 Ground Untreated Phosphate Rock
 High Grade Crop Producer
 High Grade Dried Blood
 High Grade Ground Bone
 Lazaretto Complete Truck Fertilizer
 Lazaretto Diamond Mixture
 Lazaretto Dissolved Phosphate & Potash
 Lazaretto Excelsior AAA
 Lazaretto Extra Ammoniated Phosphate
 Lazaretto High Grade Phosphate & Potash
 Lazaretto New York Standard No. 1
 Lazaretto Special A A Superphosphate
 Lazaretto Special Alkaline Dissolved Bone
 Michigan Carbon Works' Homestead Fertilizer
 Michigan Carbon Works' Homestead Potato & Tobacco Fertilizer
 Michigan Carbon Works' Red Line Complete Fertilizer
 Michigan Carbon Works' Red Line Phosphate with Potash
 Michigan Carbon Works' Special General Crop Fertilizer
 Milsom's Bison Brand
 Milsom's Buffalo Fertilizer
 Milsom's Corn Fertilizer
 Milsom's Crown Phosphate
 Milsom's Erie King Fertilizer
 Milsom's Good Progress
 Milsom's Potato, Hop & Tobacco Fertilizer
 Milsom's Special Buffalo Guano
 Milsom's Special Imperial Phosphate

Milsom's Special Potato & Cabbage Manure
 Milsom's Special Soil Enricher
 Milsom's Truck Fertilizer
 Milsom's Wheat, Oats & Barley
 Nitrate of Soda
 North Western Challenge Fertilizer
 North Western Electric Phosphate
 North Western Homestead Fertilizer
 North Western Special Complete Compound
 North Western Special Diamond Potash Mixture
 North Western Special Garden Manure
 North Western Special Horseshoe Brand
 North Western Special Red Line Fertilizer
 North Western Special Shawnee Phosphate
 North Western Success Phosphate
 Odorless Grass & Lawn Top Dressing
 Pacific Nobisque General Guano
 Packers' Union Banner Wheat Grower
 Packers' Union Revised Gardners' Complete Manure
 Packers' Union Special Animal Corn Fertilizer
 Packers' Union Special Potato Manure
 Packers' Union Special Universal Fertilizer
 Packers' Union Superior Acid Phosphate
 Packers' Union Superior Crop Grower
 Potomac Garden & Corn Manure
 Potomac General Crop Compound
 Potomac Ideal Potato Manure
 Potomac Special Truck Manure
 Pulverized Sheep Manure
 Pure Unleached Canada Hard Wood Ashes
 Quinnipiac Ammoniated Dissolved Bone
 Quinnipiac Climax Phosphate
 Quinnipiac Defender
 Quinnipiac Dissolved Phosphate & Potash
 Quinnipiac Mohawk Fertilizer
 Quinnipiac Potato Phosphate
 Quinnipiac Special "B" Fertilizer
 Quinnipiac Special Market Garden Manure
 Quinnipiac Special Potato Manure
 Read's All Crops Fertilizer
 Read's Champion Phosphate
 Read's Farmers' Friend Superphosphate
 Read's Grass & Clover
 Read's Leader Fertilizer
 Read's Lightning Brand
 Read's Pioneer Fertilizer
 Read's Potato & Truck Phosphate
 Read's Special Corn, Wheat & Rye
 Read's Special Farmers' Reliable
 Read's Special High Grade Farmers' Friend Superphosphate
 Read's Special High Grade Farmers' Friend Superphosphate
 Read's Special Vegetable & Vine Fertilizer
 Read's Ammoniated Phosphate Mixture
 Reese's Challenge Crop Grower
 Reese's Crown Phosphate & Potash
 Reese's Half & Half
 Reese's Harvest Queen
 Reese's Mayflower
 Reese's Special Crown Phosphate & Potash
 16 per cent Acid Phosphate
 Soluble Pacific Guano
 Special Complete Manure for Top Dressing
 Special Complete, Tobacco Manure
 Special XXX Phosphate & Potash
 Wheeler's Corn Fertilizer
 Wheeler's Grass & Oats
 Wheeler's Peerless Acid Phosphate
 Wheeler's Potato Manure
 Wheeler's Royal Wheat Grower
 Wheeler's Special Superior Truck
 Wheeler's Truck Fertilizer
 Williams & Clark's Americus Corn Phosphate
 Williams & Clark's Americus High Grade Special for Potatoes & Root Crops
 Williams & Clark's Americus Potato Manure
 Williams & Clark's Matchless Fertilizer
 Williams & Clark's Meadow Queen Fertilizer
 Williams & Clark's Prolific Fertilizer
 Williams & Clark's Reliable Fertilizer
 Williams & Clark's Royal Phosphate
 Williams & Clark's Special Defiance Phosphate

Williams & Clark's Special Elk Brand
 Williams & Clark's Special Potato Phosphate
 Williams & Clark's Triumph Phosphate
 Williams & Clark's Utility Brand
 Zell's Ammoniated Superphosphate
 Zell's Castle Brand
 Zell's Economizer Phosphate
 Zell's Electric Phosphate
 Zell's High Grade Phosphate & Potash
 Zell's Hustler Phosphate
 Zell's Revised Special Compound for Potatoes & Vegetables
 Zell's Special High Grade Wheat & Corn Manure
 Zell's Victor Manure

AMERICAN FERTILIZING CO., BALTIMORE, MD.

American Eagle Crop Grower
 American Eagle Truck & Vegetable Manure
 American Fish & Bone Compound
 American Good Luck Crop Compound
 American Grain & Grass Grower
 American High Grade Acid Phosphate
 American Pilot Grain Grower
 American Premium Phosphate & Potash
 American Rescue Crop Compound
 American Superphosphate & Potash
 American Victor Phosphate & Potash
 Ammoniated Bone Compound
 Bob White Emergency Compound
 Dissolved Bone & Potash
 High Grade Acid Phosphate
 Nitrate of Soda
 Pure Raw Bone
 Pure Raw Bone
 10 per cent Tankage

AMERICAN LIME & STONE CO., TYRONE, PA.

Hydra-Oxide of Lime (H-O) for Agricultural Use

ARMOUR FERTILIZER WORKS, BALTIMORE, MD.

Armour's Acid Phosphate
 Armour's Bone Meal
 Armour's Corn & Grain Champion
 Armour's Crop Grower
 Armour's Dried Blood
 Armour's Farmers' Choice
 Armour's 5-1/2-4-3
 Armour's 5-8-4
 Armour's 5-8-3
 Armour's 5-9-4
 Armour's 4-8-4
 Armour's 4-8-3
 Armour's 4-10-4
 Armour's Grain Grower
 Armour's Ground Tankage
 Armour's Phosphate & Potash
 Armour's Phosphate & Potash No. 1
 Armour's Raw Bone Meal
 Armour's 6-9-3
 Armour's Star Phosphate
 Armour's 3-8-3
 Armour's 3-6-2
 Armour's Wheat Corn & Oats Special
 Armour's 2-12-2 Fertilizers
 Nitrate of Soda

ATLANTIC FERTILIZER WORKS, BALTIMORE, MD.

Atlantic Arrow Brand Special
 Atlantic Blood, Bone, Fish & Potash
 Atlantic Cereal Grower
 Atlantic Corn Wheat & Oats Special
 Atlantic Dissolved Phosphate
 Atlantic Dissolved Phosphate
 Atlantic G. G. G. Golden Grain Grower
 Atlantic Gold Medal Superior for all Crops
 Atlantic H. G. Phosphate Compound
 Atlantic Jumbo Crop Grower
 Atlantic Reliable Truck Grower
 Atlantic Standard Compound
 Atlantic Superior Bone & Potash

ATLANTIC PACKING CO., SYRACUSE, N. Y.

Atlantic Animal Brand, A Complete Fertilizer for all Crops
 Atlantic Corn and Wheat Brand
 Atlantic Garden and Truck Manure
 Atlantic Grass and Grain Brand, for Oats, Buckwheat and Seeding Down

Atlantic Ground Bone
 Atlantic Reliable Brand
 Atlantic Hop and Potato Brand
 Atlantic Reliable Brand for Wheat and Seeding Down
 Atlantic 12-2 Brand
 Atlantic Vegetable Brand for Celery, Cabbages & Potatoes

BAKER Co., J. E., YORK, PA.

Victor Ground Limestone

BAUGH & SONS Co., PHILADELPHIA, PA.

Baugh's Animal Base and Potash Compound for all Crops
 Baugh's Balanced Plant Food, A Superior Fertilizer for General Use
 Baugh's Combination Animal Base Fertilizer
 Baugh's Commercial Super Phosphate for General Use
 Baugh's Complete Animal Base Fertilizer
 Baugh's Double Eagle Twenty Five Dollar Phosphate
 Baugh's Excelsior Guano
 Baugh's Fine Ground Bone
 Baugh's General Crop Grower for all Crops
 Baugh's Grand Rapid High Grade Guano
 Baugh's High Grade Acid Phosphate
 Baugh's High Grade Ammoniated Animal Base
 Baugh's High Grade Potash Mixture
 Baugh's High Grade Potato Grower
 Baugh's Peninsula Grain Producer
 Baugh's Potato and Truck Special for all Truck Crops, Revised
 Baugh's Pure Bone and Potash Mixture
 Baugh's Pure Steamed Bone
 Baugh's Raw Bone Meal Warranted Pure
 Baugh's 16 per cent. Acid Phosphate
 Baugh's Soluble Alkaline Super Phosphate
 Baugh's Special Potato Manure
 Baugh's The Old Stand-By Dissolved Animal Base
 Nitrate of Soda

BERG COMPANY, THE, PHILADELPHIA, PA.

Berg's High Grade Potato Manure
 Berg's Raw Bone Fine
 Berg's Special Bone Manure
 Berg's Standard Bone Manure

BENTON & Co., ROCHESTER, N. Y.

B. G. No. 1

BERKSHIRE FERTILIZER Co., THE, BRIDGEPORT, CONN.

Berkshire Ammoniated Bone Phosphate
 Berkshire Complete Fertilizer
 Berkshire Economical Grass Fertilizer
 Berkshire Long Island Special
 Berkshire Potato & Vegetable Phosphate
 Berkshire 10-2

BOWKER FERTILIZER Co., NEW YORK, N. Y.

Bowker's Ammoniated Food for Flowers
 Bowker's Blood, Bone & Potash Revised
 Bowker's Bone Flour for Florist's Use
 Bowker's Empire Special
 Bowker's Farm & Garden Phosphate
 Bowker's Fresh Ground Bone
 Bowker's Grain Grower No. 1
 Bowker's Grain Grower No. 3
 Bowker's Ground Tankage 9 & 20
 Bowker's High Grade Dried Blood
 Bowker's Hill & Drill Phosphate
 Bowker's Lawn & Garden Dressing Revised
 Bowker's Potash Fertilizer
 Bowker's Potash or Staple Phosphate
 Bowker's Potato & Vegetable Fertilizer Revised
 Bowker's S. & P. Fertilizer
 Bowker's Soluble Phosphate
 Bowker's Special Crop Grower Revised
 Bowker's Special Golden Harvest Fertilizer
 Bowker's Special Ideal Potash Compound
 Bowker's Special Potato & Vegetable Fertilizer
 Bowker's Special Sixteen
 Bowker's Superphosphate with Potash
 Bowker's Sure Crop Phosphate
 Nitrate of Soda
 Stockbridge Cereal Manure
 Stockbridge Early Crop Manure
 Stockbridge General Crop Manure
 Stockbridge Special No. 1
 Stockbridge Special No. 2

- BURLINGTON RENDERING CO., BURLINGTON, VT.
 Burlington Animal Fertilizer
 Burlington Grain Fertilizer
 Burlington Ground Bone
 Burlington Special Potato Fertilizer
 Burlington Vegetable Fertilizer
- BUTTS, J. P., ONEONTA, N. Y.
 Hustler
 Potato Manure No. 1
 Standard No. 1
- CALEDONIA CHEMICAL CO., CALEDONIA, N. Y.
 Better Farming Lime
- CASE & CO., A. H., BUFFALO, N. Y.
 Excelsior Brand Pulverized Pig Manure
 Excelsior Brand Pulverized Sheep Manure
- CHITTENDEN CO., THE E. D., BRIDGEPORT, CONN.
 Chittenden's Corn, Cabbage, Cauliflower Special
 Chittenden's Grain & Vegetable
 Chittenden's High Grade Potato
 Chittenden's Potato & Grain
 Chittenden's Potato Special
- CLARK & SON, O. W., BUFFALO, N. Y.
 Clark's Velvet Lawn Fertilizer
 Plant Food
- CLARK-BAYLIS CO., THE, MILFORD, CONN.
 Clark's Special Potato & Vegetable Fertilizer
- CLAY & SON, STRATFORD, ENGLAND
 Clay's Fertilizer
- COE-MORTIMER CO., THE, NEW YORK, N. Y.
 E. Frank Coe's Alkaline Phosphate & Potash (Special)
 E. Frank Coe's Ammoniated Fertilizer A. A.
 E. Frank Coe's Basic Fruit and Legume Phosphate (Basic Lime Phosphate)
 (Key-Plow Brand)
 E. Frank Coe's Columbian Corn & Potato Fertilizer (Special)
 E. Frank Coe's Corn King (Special)
 E. Frank Coe's Dissolved Phosphate & Potash
 E. Frank Coe's Double Strength Potato Manure (Special)
 E. Frank Coe's Empire State Brand (Special)
 E. Frank Coe's Famous Prize Brand Grain & Grass Fertilizer
 E. Frank Coe's Gardeners' & Truckers' Special
 E. Frank Coe's Gold Brand Excelsior Guano (Special)
 E. Frank Coe's Grain Grower No. 1
 E. Frank Coe's Grain Grower No. 3
 E. Frank Coe's High Grade Soluble Phosphate
 E. Frank Coe's Natural Grain Fertilizer (Special)
 E. Frank Coe's New England Special (Revised)
 E. Frank Coe's Onondaga Special
 E. Frank Coe's Prolific Crop Producer
 E. Frank Coe's Red Brand Excelsior Guano (Special)
 E. Frank Coe's Standard Potato Fertilizer (Special)
 E. Frank Coe's Top Dressing Manure
 E. Frank Coe's XXV Ammoniated Phosphate
 E. Frank Coe's Universal Fertilizer
 E. Frank Coe's Western New Yorker (Special)
 Fine Ground Bone
 Nitrate of Soda
 Thomas Phosphate Powder (Basic Slag Phosphate)
- COLUMBIA GUANO CO., BALTIMORE, MD.
 Columbia Big Hit Guano
 Columbia Fish, Phosphate and Potash
 Columbia 14 per cent. Acid Phosphate
 Columbia Grain Special Fertilizer
 Columbia Grass and Grain Grower
 Columbia Grosso Grain Grower
 Columbia High Grade 16 per cent. Acid Phosphate
 Columbia Olympic Guano
 Columbia Prosperity Guano
 Columbia Searebblight Mixture
 Columbia Soluble Guano
 Columbia Special Grange Formula
 Columbia Sound Guano
 Columbia Stronghold Guano
 Columbia Sunrise Guano
 Columbia Titanic Guano
 Columbia Tuscan Guano
 Columbia Wheat, Corn & Grass Special Fertilizer
- CONLEY LIME & FERTILIZER CO., F. E., UTICA, N. Y.
 Eureka
 Evergreen Lawn Dressing
 Raw Ground Lime

- CONSUMERS CHEMICAL CORPORATION, THE, NEW YORK, N. Y.
 Consumers All Crop Compound
 Consumers Complete Compound
 Consumers Complete Corn & Grain Grower
 Consumers Pure-Sure Acid Phosphate
 Consumers Pure-Sure Fertilizer for General Use
 Consumers Pure-Sure Phosphate & Potash
 Consumers Pure-Sure Potato & Vegetable (with 4% Potash)
 Consumers Pure-Sure Potato Manure (with 4% Potash)
 Nitrate of Soda
 COOPER'S FERTILIZER, PETER, GOWANDA, N. Y.
 Peter Cooper's Pure Bone Meal
 CORSON, G. & W. H., PLYMOUTH MEETING, PA.
 Corson's Prepared Lime
 Corson's Prepared Lime & Potash
 DANIELS, FRED, HOUGHTON, N. Y.
 Daniels Common Sense Grain & Grass Grower
 Daniels Sensible Grain & Grass Grower
 DAY, MRS. R. WHITE, ARLINGTON, N. Y.
 Pure Bone and Meat Fertilizer
 DOLD PKG. CO., JACOB, BUFFALO, N. Y.
 Dold Quality Bone Meal
 DUTCHESS COUNTY LIME CO., DOVER PLAINS, N. Y.
 Hydra-Oxide of Lime
 EDISON PULVERIZED LIMESTONE CO., STEWARTSVILLE, N. J.
 Edison Pulverized Limestone
 ENTERPRISE GUANO CO., BALTIMORE, MD.
 Enterprise Ammoniated Bone & Potash
 Enterprise Complete Fertilizer
 Enterprise Corn & Wheat Compound
 Enterprise Grain & Grass Compound
 Enterprise Grain Mixture
 Enterprise Special Complete Manure for all Crops
 Enterprise Superior Acid Phosphate
 FARNAM CHESHIRE LIME CO., FARNAMS, MASS.
 Farnam Cheshire Lime Co's Agricultural Lime
 FEDERAL CHEMICAL CO., COLUMBIA, TENN.
 Daybreak Tennessee Brown Phosphate Rock
 FISCHANG BROS., KINGSTON, N. Y.
 Kingston Animal Fertilizer
 GENESEE LIME CO., HONEOVE FALLS, N. Y.
 Genesee Hydrate-Hydrated Lime
 GERMAN KALI WORKS, INC., NEW YORK, N. Y.
 Kainit
 Muriate of Potash
 Sulfate of Potash
 GODFREY CO-OPERATIVE FERTILIZER & CHEMICAL CO., NEWARK, N. J.
 Godfrey's Corn & Truck Fertilizer
 Godfrey's General Crop & Corn Fertilizer
 Godfrey's Long Island Potato & Truck Grower
 Godfrey's Premium Potato Fertilizer
 Godfrey's Pure Bone Meal
 GRACE & CO., W. R., NEW YORK, N. Y.
 Nitrate of Soda
 GREEN, CHARLES A., PHILADELPHIA, PA.
 Market Garden Revised
 Potato Guano No. 1 Revised
 GRIFFITH & BOYD CO., BALTIMORE, MD.
 Griffith & Boyd Co's High Grade Acid Phosphate 16%
 Griffith & Boyd Co's Ammoniated Bone Phosphate
 Griffith & Boyd Co's Farmers' Potato & Tomato
 Griffith & Boyd Co's Fish, Bone & Potash
 Griffith & Boyd Co's Harvest Queen Phosphate
 Griffith & Boyd Co's High Grade Acid Phosphate
 Griffith & Boyd Co's Soluble 12 & 2
 Griffith & Boyd Co's Special Grain Grower
 Griffith & Boyd Co's Special Royal Guano
 HAMMOND'S SLUG SHOT WORKS, BEACON, N. Y.
 Hammond's Sward Food
 HASEROT CANNERIES CO., THE, CLEVELAND, O.
 Horse Head Lime
 Horse Head Pulverized Phosphate, Untreated Rock
 HEALTH CHEMICAL CO., YONKERS, N. Y.
 Dutchess Brand
 Hudson Brand
 Victor Brand
 Westchester Brand
 HENDERSON & CO., PETER, NEW YORK, N. Y.
 Henderson's Garden Fertilizer
 Henderson's Raw Bone Meal M

- Henderson's Raw Ground Bone G
- Henderson's Special Blood & Bone Fertilizer
- Henderson's Superior Fertilizer for House Plants
- Henderson's Worm Killing Grass Food
- The Henderson Lawn Enricher
- HESS & BRO., S. M., PHILADELPHIA, PA.
- Ammoniated Super Phosphate
- Big Crop Fertilizer
- Cabbage Manure
- Climax Alkaline Fertilizer
- Farmers' General Fertilizer
- Hess Potato Grower
- High Grade Acid Phosphate
- High Grade Ground Bone
- High Grade Manure
- High Grade Potato Manure
- Keystone Phosphate
- Nitrate of Soda
- Soluble Phosphate & Potash
- Special Corn Manure
- Special Fish & Potash Manure
- Superior Potato Manure
- Vegetable Compound
- Wheat & Grass Manure
- HUDSON CARBON CO., BALLSTON SPA, N. Y.
- Davidge's Concentrated Manure
- Davidge's Special Phosphorus
- INTERNATIONAL AGR'L CORP., BUFFALO FERT. WORKS, BUFFALO, N. Y.
- Buffalo Animal Tankage
- Buffalo Bone Meal
- Buffalo Dissolved Phosphate
- Buffalo Dried Blood
- Buffalo Dry Ground Fish
- Buffalo Farmers' Choice
- Buffalo Garbage Tankage
- Buffalo Grain Special
- Buffalo High Grade Manure
- Buffalo Ideal Wheat and Corn
- Buffalo One-Eight-Three
- Buffalo One-Eight-Two
- Buffalo Sixteen Per Cent
- Buffalo Ten-Two
- Buffalo Tobacco Producer
- Buffalo Top Dresser
- Buffalo Twelve-Two
- Buffalo Two-Eight-Three
- Buffalo Vegetable and Potato
- Nitrate of Soda
- INTERNATIONAL AGR'L CORP., CALEDONIA MARL BRANCH, CALEDONIA, N. Y.
- Lime Carbonate
- INTERNATIONAL SEED CO., ROCHESTER, N. Y.
- International Crop Grower
- International Electric Fertilizer
- International Grain and Grass Fertilizer
- International Potato and Truck Manure
- JARECKI CHEMICAL CO., THE, SANDUSKY, O.
- Black Diamond Fish Guano
- Fish and Potato General Grower
- Fish and Potash Grain Special
- Fish and Potash Truck Manure
- Humus Phosphate with Potash
- Lake Erie Guano with Phosphate and Potash
- Raw Bone and Phosphate Mixture
- JOYNT, JOHN, LUCKNOW, ONTARIO, CANADA.
- Joynt Brand Canada Hardwood Ashes
- KEASBEY & MATTISON CO., AMBLER, PA.
- Keasbey & Mattison Company's Agricultural Lime
- KEELEY ISLAND LIME & TRANSPORT CO., THE, CLEVELAND, O.
- Tiger Brand Agricultural Ground Limestone
- Tiger Brand Agricultural Quicklime
- Tiger Brand Hydrated Agricultural Lime
- KIRKE CHEMICAL CO., BROOKLYN, N. Y.
- Kirke Fertilizer Cartridges
- LEROY LIME WORKS & STONE QUARRIES, LEROY, N. Y.
- LeRoy Agricultural Ground Lump Lime
- LISTER'S AGR'L CHEMICAL WORKS, NEWARK, N. J.
- Lister's Ammoniated Dissolved Superphosphate
- Lister's Bone Meal
- Lister's Buyers' Choice Acid Phosphate
- Lister's Celebrated Ground Bone & Tankage Acidulated
- Lister's Complete Potato Grower

Lister's Corn & Potato Fertilizer
 Lister's Ground Tankage
 Lister's High Grade Acid Phosphate
 Lister's High Grade Grain Grower
 Lister's Lawn Fertilizer
 Lister's Long Island Potato Manure
 Lister's Long Island Special for Cabbage & Cauliflower
 Lister's Oneida Special
 Lister's Perfect Potato Manure
 Lister's Revised Cauliflower & Cabbage Fertilizer
 Lister's Revised Celebrated Corn Manure
 Lister's Revised Corn & Potato No. 2 Fertilizer
 Lister's Revised Grain & Grass Fertilizer
 Lister's Revised New York Special Fertilizer
 Lister's Revised Potato Manure
 Lister's Revised Special 10% Potato Fertilizer
 Lister's Revised Vegetable Compound
 Lister's Special Crop Producer
 Lister's Special Wheat Fertilizer
 Lister's Standard Pure Superphosphate of Lime
 Lister's Success Fertilizer
 Lister's U S Superphosphate
 Lister's Valley Brand Fertilizer
 Lister's Wheat & Rye Fertilizer
 Nitrate of Soda

LOWELL FERTILIZER CO., BOSTON, MASS.

Lowell Acid Phosphate
 Lowell Animal Brand
 Lowell Bone Fertilizer
 Lowell Cereal Fertilizer
 Lowell Dissolved Bone & Potash
 Lowell Empress Brand
 Lowell Grain Phosphate
 Lowell Ground Bone
 Lowell New York Potato 2-8-3
 Lowell New York Special
 Lowell Sterling Phosphate
 Nitrate of Soda

LUDLAM CO., FREDERICK, NEW YORK, N. Y.

Ludlam's A. B. F. Fertilizer
 Ludlam's Antler Fertilizer Revised
 Ludlam's Cecrops Fertilizer No. 1
 Ludlam's Cecrops Fertilizer Revised
 Ludlam's Cereal Fertilizer Revised
 Ludlam's Fruit & Vine Fertilizer Revised
 Ludlam's Long Island Antler Fertilizer Revised
 Ludlam's Long Island Cereal Fertilizer Revised
 Ludlam's Long Island Special Potato Fertilizer Revised
 Ludlam's Palmetto Fertilizer Revised
 Ludlam's Sickle Phosphate Revised
 Ludlam's Special Potato Fertilizer Revised
 Nitrate of Soda

LYON, S. G., AURORA, N. Y.

S. G. Lyon's Ammoniated Bone Superphosphate

MAPES F. & P. GUANO CO., THE, NEW YORK, N. Y.

Mapes Average Soil Complete Manure
 Mapes Cauliflower & Cabbage Manure
 Mapes Cereal Brand
 Mapes Complete Manure "A" Brand
 Mapes Complete Manure for General Use
 Mapes Complete Manure 10% Potash
 Mapes Corn Manure
 Mapes Dissolved Bone
 Mapes Economical Potato Manure
 Mapes Fruit & Vine Manure
 Mapes General Crop Brand
 Mapes Grain Brand
 Mapes Grass & Grain Spring Top Dressing
 Mapes Lawn Top Dressing
 Mapes Nitrogenized Superphosphate
 Mapes Potato Manure
 Mapes Potato Manure (L. I. Special)
 Mapes Tobacco Ash Constituents
 Mapes Tobacco Manure Wrapper Brand
 Mapes Tobacco Starter Improved
 Mapes Top Dresser Improved "Full Strength"
 Mapes Top Dresser Improved Half Strength
 Mapes Vegetable or Complete Manure for light soil
 Nitrate of Soda
 Pure Ground Bone

- MARTIN FERTILIZER CO., PHILADELPHIA, PA.
 Acid Phosphate
 Dissolved Organic Compound
 Four Eight Five
 Four Ten Three
 Martin's Corn & Cereal Special
 Martin's Special Compound
 One Eight Three
 6% Tankage
 Special Mixture
 Two Ten Five
- MILLER FERTILIZER CO., THE, BALTIMORE, MD.
 Club Brand
 Harvest Queen
 Potato & Vegetable Grower
 Standard Phosphate
- MITCHELL FERTILIZER CO., THE, TREMLEY, N. J.
 Mitchell's Vegetable Fertilizer
- MUNROE & SONS, GEO. L., OSWEGO, N. Y.
 Pure Unleached Wood Ashes
- MCANANY & SON, HUGH, PHILADELPHIA, PA.
 Quaker City Poudrette
- MCCOY, GEO. E., PEEKSKILL, N. Y.
 An Honest Fertilizer
- NASSAU FERTILIZER CO., NEW YORK, N. Y.
 Big Yield
 Grass & Grain Fertilizer
 Long Island Gladiator Truck & Potato
 Plow Brand
 Potato Manure
 Soluble Phosphate
 Special General Favorite
 Special Gladiator Truck & Potato
 Wheat & Grass Grower
- NATIONAL FERTILIZER CO., THE, NEW YORK, N. Y.
 National Ammoniated Bone Phosphate
 National Special Complete Grass Fertilizer
 National Special Complete Root & Grain Fertilizer
 National Special Eureka Potato Fertilizer
 National Special Potato Phosphate
- NATURAL GUANO CO., AURORA, ILL.
 Sheep's Head Pulverized Sheep Manure
- NEWBURGH RENDERING CO., NEWBURGH, N. Y.
 Concentrated Tankage
 Pure Meat and Bone Fertilizer
- NEW ENGLAND FERTILIZER CO., BOSTON, MASS.
 New England Corn & Grain Fertilizer
 New England Corn Phosphate
 New England Superphosphate
 Standard Phosphate
- NEW ENGLAND LIME CO., DANBURY, CONN.
 Adams (Mass) Agricultural Lime
 Adams (Mass) Fresh Burned Granulated Lime
 Connecticut Agricultural Lime
 Connecticut Lime Ashes
- NEWHOF & SON, L., ALBANY, N. Y.
 Pure Fertilizer
- N. J. FERTILIZER & CHEMICAL CO., NEW YORK, N. Y.
 Croxton Complete Truck Guano
 Croxton High Grade Corn Fertilizer
 Croxton High Grade Potato Fertilizer
- NEW YORK STABLE MANURE CO., JERSEY CITY, N. J.
 Diamond Brand, Dried Ground Compost
- NITRATE AGENCIES CO., NEW YORK, N. Y.
 Basic Slag
 Dried Blood
 Ground Bone
 Ground Tankage
 High Grade Acid Phosphate 14%
 High Grade Acid Phosphate 16%
 High Grade Chemical Fertilizer
 High Grade Genuine Peruvian Guano
 High Grade Raw Bone
 Nitrate of Soda
- NORWICH CHEMICAL CO., CROSBY, PA.
 Norwich Carbonate of Lime
- OHIO & WESTERN LIME CO., THE, HUNTINGTON, IND.
 Hydrated Agricultural Lime
 Quick Agricultural Lime

- PALMER, F. L., NEW YORK, N. Y.
 Muriate of Potash
 Challenge Brand Hydrated Lime
- PAN-AMERICAN FERTILIZER CO., NEW YORK, N. Y.
 Ideal Compound
 Special Vine & Truck Manure
 Standard Phosphate
- PATAPSCO GUANO CO., BALTIMORE, MD.
 Coon Brand Guano
 Grange Mixture
 Patapasco Golden Crop Fertilizer
 Patapasco O. K. Phosphate
 Patapasco Pure Dissolved S. C. Phosphate
 Patapasco Soluble Phosphate & Potash
 Patapasco Special Alkaline Phosphate
 Patapasco Special Columbia Guano For Truck Potatoes & Tobacco
 Patapasco Special Prolific Potato Phosphate
- PIEDMONT MT. AIRY GUANO CO., BALTIMORE, MD.
 Insula Guano for all Crops
 Leverings Ammoniated Bone
 Leverings Harvest Queen
 Leverings Standard
 Muriate of Potash
 Nitrate of Soda
 Piedmont 14% Acid Phosphate
 Piedmont Grain & Grass Grower
 Piedmont High Grade Ammoniated Bone and Potash
 Piedmont N. Y. Potato & Truck
 Piedmont Oats & Grass Guano
 Piedmont Raw & Dissolved Bone
 Piedmont 16% Acid Phosphate
 Piedmont Special Complete Fertilizer
 Piedmont Special Market Garden Manure
 Piedmont Special Perfection Fertilizer
 Piedmont Special Phosphate & Potash Mixture
 Piedmont Special Potato Guano
 Piedmont Wheat & Corn Guano
- PINE & SON, B. J., EAST WILLISTON, L. I.
 Pines No. 2 Star Raw Bone Superphosphate & Complete Manure Revised
- PLANT FOOD CO., THE, CLEVELAND, O.
 Plant Lime
- PULVERIZED MANURE CO., THE, CHICAGO, ILL.
 Wizard Brand Manure
- RADIUM FERTILIZER CO., PITTSBURGH, PA.
 Radium Fertilizer
- RASIN MONUMENTAL CO., BALTIMORE, MD.
 Nitrate of Soda
 Rasin's Acid Phosphate
 Rasin's Big Sixteen Alkaline Compound
 Rasin's Bone & Potash Fertilizer
 Rasin's Capital Crop Compound
 Rasin's Champion Potato & Vegetable Manure
 Rasin's Electric Truck & Vegetable Compound
 Rasin's Empire Guano
 Rasin's Empire Guano Special
 Rasin's Great Alkaline Grain Grower
 Rasin's Great Ammoniated Crop Compound
 Rasin's Home Run Guano
 Rasin's Honey Bee Guano
 Rasin's King Guano
 Rasin's Pure Raw Bone
 Rasin's Pure Raw Bone
 Rasin's Royal Fish Bone & Potash
 Rasin's Search Light Emergency Compound
 Rasin's Seawall Grain Compound
 Rasin's Sixteen Per Cent Acid Phosphate
 Rasin's United Grain Grower
 Rasin's Victoria Phosphate & Potash
 10% Tankage
- READING BONE FERTILIZER CO., READING, PA.
 Animal Tankage Mixture
 Blood, Meat & Potash Mixture
 Dissolved Animal Matter
 Farmers' Tankage & Potash
 14% Clear Acid Phosphate
 Gilt Edge Potato & Tobacco Grower
 High Grade Potash Mixture
 Reading All Crop Special
 Reading Prize Winner
 Reading Soil Enricher

- REEVES CO., R. C., NEW YORK, N. Y.
 Reeves Phospho Peruvian Guano
- REICHARD, ROBERT A., ALLENTOWN, PA.
 Golden Harvest Phosphate
 Peerless Phosphate
- ROCKLAND & ROCKPORT LIME CO., NEW YORK, N. Y.
 R & R Land Lime
- ROGERS & HUBBARD CO., THE, MIDDLETOWN, CONN.
 Hubbard's "Bone Base" All Soils-All Crops Phosphate
 Hubbard's "Bone Base" Complete Phosphate
 Hubbard's "Bone Base" Fertilizer for Oats and Top-Dressing
 Hubbard's "Bone Base" Fertilizer for Seeding Down and Fruit
 Hubbard's "Bone Base" Potato Phosphate
 Hubbard's "Bone Base" Soluble Corn and General Crops Manure
 Hubbard's "Bone Base" Soluble Potato Manure
 Hubbard's "Bone Base" Soluble Tobacco Manure
 Hubbard's Pure Raw Knuckle Bone Flour
 Hubbard's Strictly Pure Fine Bone
- ROSE POINT STONE & LIME CO., NEW CASTLE, PA.
 Rose Point Ground Burned Lime
 Rose Point Hydrated Lime
- ROYSTER GUANO CO., F. S., BALTIMORE, MD.
 Dried Blood
 Dry Ground Fish
 Nitrate of Soda
 Royster's Cloverdale Grain and Grass Grower
 Royster's Corn and Hop Special Fertilizer
 Royster's Cuckoo Crop Grower
 Royster's Dreadnought Fertilizer
 Royster's Eldorado Compound
 Royster's Favorita Compound
 Royster's Fine Ground Bone Meal
 Royster's Fish Flesh & Fowl
 Royster's 14% Acid Phosphate
 Royster's Harmony Compound
 Royster's High Grade 16% Acid Phosphate
 Royster's Martial Compound
 Royster's Normal Compound
 Royster's Parfait Compound
 Royster's Penguin Ammoniated Superphosphate
 Royster's Pure Raw Bone Meal
 Royster's Seeding Down Special Fertilizer
 Royster's Truckers' Delight
 Royster's Utopia Compound
 Royster's Walhalla Compound
 Royster's Wheat, Oats and Barley Fertilizer
 Royster's Wonder Worker Guano
 Slaughter House Tankage
- SANDER, ADAM, SALAMANCA, N. Y.
 Adam Sander Dry Tankage Fertilizer
- SANDERSON FERTILIZER & CHEMICAL CO., NEW HAVEN, CONN.
 Nitrate of Soda
 Sanderson's Market Garden Manure
 Sanderson's Special Cabbage Fertilizer
 Sanderson's Special Potato Manure Revised
- SCHAAL-SHELDON FERTILIZER CO., BUFFALO, N. Y.
 Dissolved Phosphate
 Dissolved Phosphate & Potash
 Empire
 Eureka
 Excelsior
 Farmers' Favorite
 Fireside Phosphate
 General Fertilizer
 Grass, Wheat & Oats
 High Grade Ground Bone
 High Grade Phosphate & Potash
 Meadowbrook
 Nitrate of Soda
 Schaal's Special Corn & Potato
 Schaal's Standard
 Special Guano
 Special Truckers' Manure
- SECURITY CEMENT & LIME CO., HAGERSTOWN, MD.
 Berkeley Ground Lime
 Berkeley Ground Limestone
 Berkeley Hydrated Lime
- SHAY FERTILIZER CO., THE C. M., GROTON, CONN.
 Shay's Formula

- SHOEMAKER & Co., LTD., M. L., PHILADELPHIA, PA.
 Swift Sure Bone Meal
 Swift Sure Guano for Truck, Corn & Onions
 Swift Sure Super Phosphate for Potatoes
 Swift Sure Super Phosphate for Tobacco and General Use
- STANDARD GUANO Co., BALTIMORE, MD.
 Dried Blood
 Extra High Grade Acid Phosphate
 High Grade Acid Phosphate
 Nitrate of Soda
 Standard Old Fertility
 3-8-3
- STANDARD LIME & STONE Co., THE, BUCKEYSTOWN, MD.
 Ground Lime
 Standard Ground Limestone
 Standard Hydrated Lime
- STAPPENBECK & SONS, H., UTICA, N. Y.
 Animal Bone & Potash
- STEVENS, CHAS., NAPANEE, ONT., CANADA.
 Beaver Brand Canada Unleached Hardwood Ashes
- STOCKWELL Co., J. W., FILLMORE, N. Y.
 Stockwell Co's Home Mixed 4-10-5
 Stockwell Co's Home Mixed 1-13-5
 Stockwell Co's Home Mixed 2-12-5 Fertilizer
 Stockwell Co's 16% Acid Phosphate
- STONEMEAL FERTILIZER Co., NORTH PATERSON, N. J.
 Stonemeal
- STUMPP & WALTER Co., NEW YORK, N. Y.
 Emerald Lawn Dressing and Garden Fertilizer
 S. & W. Co's Bone Fertilizer
- SWIFT & Co., BALTIMORE, MD.
 Swift's Pure Animal Fertilizer
 Swift's Pure Animal Fertilizer Long Island Special
 Swift's Pure "A" Vegetable, Tobacco & Fruit Grower
 Swift's Pure Bone Meal
 Swift's Pure Champion Wheat & Corn Grower
 Swift's Pure Corn & Wheat Grower
 Swift's Pure Corn Wheat & Oats Special
 Swift's Pure Degelatinized Bone
 Swift's Pure "K" Grain Grower
 Swift's Pure Diamond W Vegetable & Fruit Grower
 Swift's Pure Dissolved Animal Bone with Potash
 Swift's Pure Early Truck Special
 Swift's Pure Farmers' Favorite
 Swift's Pure Florist Special Tankage
 Swift's Pure Garden City Phosphate
 Swift's Pure Grain Grower
 Swift's Pure Grain Fertilizer
 Swift's Pure Ground Beef Bone
 Swift's Pure Ground Dried Blood
 Swift's Pure Harrison Formula Fertilizer No. 4
 Swift's Pure Long Island Potato Manure
 Swift's Pure Market Garden Manure
 Swift's Pure Nitrate of Soda
 Swift's Pure Phosphate & Potash
 Swift's Pure Pride of Jersey Potato Fertilizer
 Swift's Pure Pulverized Sheep Manure
 Swift's Pure Pulverized Sheep Manure from St. Paul
 Swift's Pure Raw Bone Meal
 Swift's Pure Red Steer
 Swift's Pure Regal Top Dresser
 Swift's Pure Reliable Grain Fertilizer
 Swift's Pure Reliable Truck Grower
 Swift's Pure Special Corn, Wheat & Grain Fertilizer
 Swift's Pure Special High Grade Acid Phosphate
 Swift's Pure Special Phosphate & Potash
 Swift's Pure Superphosphate
 Swift's Pure Top Dressing Formula No. 2
 Swift's Pure Twelve & One Brand
 Swift's Pure Twelve-two Brand
 Swift's Pure "Z" Fertilizer
- SYRACUSE RENDERING Co., SYRACUSE, N. Y.
 Syracuse Animal Brand, A Complete Fertilizer for all Crops
 Syracuse Cayuga Brand for Wheat and Seeding Down
 Syracuse Ground Bone
 Syracuse Gypsy Brand
 Syracuse Indian Brand, for Corn and Wheat
 Syracuse Market Garden Manure
 Syracuse Onondaga Brand
 Syracuse Seneca Brand
 Syracuse Special, for Celery, Cabbage & Potatoes
 Syracuse Superphosphate, for Oats and Buckwheat

- TENNESSEE COAL IRON & RAILROAD CO., BIRMINGHAM, ALA.
 Duplex Basic Phosphate AA
- THOMAS & SON, I. P., PHILADELPHIA, PA.
 Farmers' Choice Phosphate
 High Grade Ammoniated Fertilizer
 Long Island Special
 Nitrate of Soda
 Northport Farmers' Club 5-8-4 Fertilizer
 Northport Farmers' Club 4-8-4 Fertilizer
 Northport Farmers' Club 4-10-4 Fertilizer
 Northport Farmers' Club 6-8-4 Fertilizer
 Potato Manure
 Pure Ground Bone
 S. C. Phosphate
 Tip-Top Guano
 Truck & Potato Manure
 Truckers' High Grade Fertilizer
- THOMSON & SONS, LD., WM., CLOVENFORDS, SCOTLAND.
 Thomson's Special Chrysanthemum Manure
 Thomson's Vine, Plant & Vegetable Manure
- THORBURN & CO., J. M., NEW YORK, N. Y.
 Thorburn Complete Manure
 Thorburn Lawn Fertilizer
- TUNNELL & CO., INC., F. W., PHILADELPHIA, PA.
 Acid Fish & Tankage
 Cauliflower Manure
 Long Island Potato Manure
 Nitrate of Soda
 Suffolk Manure
 Sweet Potato Manure
 Truck & Potato Manure
- TUSCARORA FERTILIZER CO., BALTIMORE, MD.
 Nitrate of Soda
 Tuscarora Acid Phosphate
 Tuscarora Acid Phosphate
 Tuscarora Ammoniated Phosphate
 Tuscarora Animal Bone
 Tuscarora Big Four No. 2
 Tuscarora Crop Grower
 Tuscarora Dried Blood
 Tuscarora 5-8-3
 Tuscarora 4-8-3
 Tuscarora Ground Tankage
 Tuscarora 1-9-3
 Tuscarora Phosphate & Potash
 Tuscarora Phosphate & Potash 10-2
 Tuscarora Standard
 Tuscarora 3½-8-4
 Tuscarora 3-8-3
 Tuscarora 2-9-3
- TUTHILL, NAT. S., MATTITUCK, N. Y.
 Acid Phosphate
 Dry Fish Scrap
 Nitrate of Soda
 Southold Town Club Fertilizer
 Southold Town Club Fertilizer
- TYGERT CO., THE J. E., PHILADELPHIA, PA.
 Tygert's Great Advancer Phosphate
 Tygert's Old Phoenix Phosphate
 Tygert's Paramount Potato & Vegetable Manure
 Tygert's Revised Cabbage Manure
 Tygert's Revised Special Potato Fertilizer
- UNITED FERTILIZER CO., BUFFALO, N. Y.
 Evergreen Brand Flower and Lawn Fertilizer
- VAN IDERSTINE CO., THE, LONG ISLAND CITY, N. Y.
 Van Iderstine's Pure Ground Bone
- VAUGHAN'S SEED STORE, NEW YORK, N. Y.
 Bone Flour
 Vaughan's Lawn & Garden Fertilizer
 Vaughan's Rose Grower Bone Meal
 Vaughan's Sheep Manure
- VIRGINIA-CAROLINA CHEMICAL CO., NEW YORK, N. Y.
 Nitrate of Soda
 V-C. C. Co's Ammoniated Potash Compound
 V-C. C. Co's Beef Blood & Bone B. B. B. (with 3% Potash)
 V-C. C. Co's Beef Blood & Bone B. B. B. (with 4% Potash)
 V-C. C. Co's Bone Meal
 V-C. C. Co's Early Truckers' Special (with 3% Potash)
 V-C. C. Co's Giant Alkaline Phosphate (with 2% Potash)
 V-C. C. Co's Good & Plenty Fertilizer for General Use
 V-C. C. Co's Good Luck Fertilizer
 V-C. C. Co's High Grade Acid Phosphate

- V-C. C. Co's High Grade Corn & Vegetable Compound (with 4% Potash)
- V-C. C. Co's High Grade Corn & Vegetable Compound (with 3% Potash)
- V-C. C. Co's Little Giant Fertilizer (with 2% Potash)
- V-C. C. Co's Owl Brand Potato & Truck Fertilizer (with 3% Potash)
- V-C. C. Co's Plow Brand Fertilizer
- V-C. C. Co's Red Cross 14% Acid Phosphate
- V-C. C. Co's Rescue Fertilizer
- V-C. C. Co's Soluble Guano
- V-C. C. Co's Special Corn & Grain Grower
- V-C. C. Co's Special Grain & Grass Grower
- V-C. C. Co's Star Brand Potato & Vegetable Compound (with 3% Potash)
- V-C. C. Co's Tip-Top Potash Mixture
- V-C. C. Co's Tip-Top Top Dresser (with 3% Potash)
- V-C. C. Co's 20th Century Potato Manure (with 3% Potash)
- V-C. C. Co's 20th Century Potato Manure (with 4% Potash)
- V-C. C. Co's Universal Fertilizer for all Crops
- V-C. C. Co's XXX Fish & Potash
- WARNER CO., CHARLES, WILMINGTON, DEL.
- Cedar Hollow Pulverized Limestone
- Limoid (A dolomitic hydrated lime)
- WEBER & DON, NEW YORK, N. Y.
- Weber & Don's Lawn & Garden Fertilizer
- WHANN CO., W. E., PHILADELPHIA, PA.
- Whann's Chester Valley Special Cabbage & Cauliflower Manure
- Whann's Chester Valley High Grade Truck Manure
- Whann's Chester Valley Revised Special Potato & Truck Fertilizer
- Whann's Chester Valley Special Fish & Potash Fertilizer
- Whann's Chester Valley Special Potato Manure
- Whann's Chester Valley Special Truck Fertilizer
- WILCOX FERTILIZER CO., THE, MYSTIC, CONN.
- Nitrate of Soda
- Wilcox Cauliflower Fertilizer
- Wilcox Complete Bone Superphosphate
- Wilcox Fish and Potash
- Wilcox Long Island Dry Ground Fish
- Wilcox Potato Fertilizer
- Wilcox Potato, Onion and Vegetable Phosphate
- Wilcox Pure Ground Bone
- WILK, JOHN, NEW YORK, N. Y.
- Pulverized Sheep Manure
- WITHERBEE, SHERMAN & CO., PORT HENRY, N. Y.
- Barium-Phosphate
- WOODRUFF & SONS, S. D., ORANGE, CONN.
- Woodruff's Home Mixed Fertilizer

TURPENTINE AND LINSEED OIL

Article X of the Agricultural Law provides against the sale of any substance as and for turpentine which is not pure turpentine, and as and for linseed oil which is not pure linseed oil. These products do not have to be licensed as a condition precedent to their sale. Agents of this Department visit all the places in the State where these commodities are sold, which includes paint establishments, hardware stores, and many drug stores. While the statute does not prohibit the sale of an adulterated or substitute product, it provides regulations under which it must be sold. The sale of these substances also requires considerable surveillance to ascertain whether the proper signs are displayed and the proper markings put on the packages.

There were collected on the markets of the State 86 samples of turpentine and 71 samples of linseed oil. Evidence relative to these cases were referred to the Legal Bureau for such action as the facts might warrant.

EVAPORATED APPLES

Article XI of the Agricultural Law provides against the sale as and for evaporated apples of those containing more than 27 per cent water or fluids. New York is one of the greatest apple States in the Union. Large quantities of evaporated apples are manufactured and sold in this State. To visit all the places where these products are sold requires constant surveillance. Evidence relative to samples of such apples collected under this article was forwarded to the Legal Bureau for further consideration. Reference to the table giving list of food samples collected shows that there were four collected.

MAPLE SUGAR AND SYRUP AND HONEY

Article XIV of the Agricultural Law provides among other things against the sale of a substance as and for honey which is not pure honey, and regulates the sale of adulterated honey; it also provides against the sale as and for maple syrup and maple sugar substances which are not pure maple syrup and maple sugar, and also regulates the sale of adulterants of these products by requiring certain branding, marking, etc. These commodities are found exposed for sale in all parts of the State and considerable surveillance is required to ascertain whether the statute is being violated. Reference to the table giving list of samples collected shows that there were collected 56 samples of maple sugar, 58 of maple syrup, and 20 of honey. The evidence relative thereto was referred to the Legal Bureau for further consideration.

AGRICULTURAL SEED

Article XV of the Agricultural Law defines agricultural seeds and provides regulations in regard to their sale. This article is of considerable importance to the agricultural portion of the State, as its proper enforcement will prevent to a large extent the planting in the soils of New York State those weeds which are a detriment to the growth of the grasses necessary for sustaining the animal life of the State. There were collected during the year 328 samples of agricultural seed, the evidence concerning seven of which was referred to the Legal Bureau for examination and such action as the facts warrant.

REPORT OF BUREAU OF VETERINARY SERVICE

By DR. J. G. WILLS, *Chief Veterinarian* and DR. CHARLES LINCH,
First Assistant Veterinarian

The Bureau of Veterinary Service, created by Act of Legislature in 1909, is charged with the control of infectious diseases of domestic animals and the sale for food purposes of calves or carcasses of the same. When first established, this Bureau was a minor division of the Department of Agriculture and its activities were limited. Its growth has been rapid, and, by the addition of some amendments to the basic statute, the duties coming under its control have been much increased. Among the causes for this enlargement in scope might be mentioned a better understanding on the part of veterinarians and others as to the causes and control of infectious diseases, an increased interest on the part of the owners of animals to obtain the maximum service from animals which they own, which is possible only by proper attention to the physical health of individuals and a desire on the part of live stock owners to protect their flocks and herds from preventable diseases in every way possible.

The year 1914-15 was important from the animal disease viewpoint because of the outbreak of foot-and-mouth disease, the most serious animal plague that has ever visited the American continent. This epidemic, extending over twenty-two States, involved the expenditure of millions of dollars by State and National governments and caused untold losses to the live stock industry.

In a general way the routine work of this bureau has not materially differed from that of the past few years. Because of many quarantine restrictions necessitated by the outbreak of foot-and-mouth disease, the movement of live stock, particularly cattle, sheep, and swine, was naturally much affected. Inter- and intra-state shipments of live stock were much restricted by quarantine regulations, and all live stock activities were interfered with. This

was noticeable in the lessened number of animals which were tuberculin-tested during the prevalence of the epidemic.

The Agricultural Law relating to the diseases of domestic animals was amended by the Legislature of 1915 in but one particular. This new section (104) provides for the indemnification of owners of cattle, sheep, or swine destroyed in the control, suppression, or eradication of foot-and-mouth disease, or anthrax. Until this statute became effective, there was no specific provision in the laws of the State for owners to receive compensation for animals so destroyed. The Legislature, however, had always previously made appropriation for the compensation of owners of animals slaughtered because of foot-and-mouth disease, but had never provided any indemnification for anthrax.

In previous outbreaks of the former as well as the present one, the Federal Government has assumed a portion of the liabilities to owners. In 1908, two-thirds, and in 1914-15, one-half of such liabilities had been paid by the United States Department of Agriculture. The above amendment did not take effect until the disease had been practically eradicated from this State, and consequently did not affect the policies already adopted in this outbreak. Under this new statute full utility value for cattle, sheep, or swine killed for the purpose of controlling, suppressing, or eradicating the above diseases shall be paid owners. No provision is made for any portion of the liability to be assumed by the Federal Government. There is, furthermore, no provision in the Law for the payment of any property damage, which has heretofore been assumed as a legitimate claim to be paid by the State or Nation. This amendment provides that the value of the animals killed is to be determined by a Board of Appraisal to consist of two persons, one representing the Commissioner of Agriculture, the other the owner of the animals to be valued. A third member shall be chosen if there is a disagreement between the first two, the findings of the majority to be final. The advisability of such legislation is very doubtful, since it makes the State liable for the full utility value, contains no provision for any division with the National Government, and adds anthrax to the list of diseases for which the State assumes to compensate owners.

Carrying this procedure further, it would be logical to add all infectious diseases of animals to the list, thereby placing the State

under still further liabilities. The question of compensating owners for animals killed has been the subject of much discussion. The desirability of extending the system to include diseases in addition to those already on the statute books, namely, tuberculosis and glanders, is very doubtful. The disinclination of legislative bodies to provide money to meet claims for animals and property destroyed is likely to become more pronounced, and the abolition of such compensation laws will no doubt ultimately result.

During the legislative session of 1915, there was appropriated for the payment of claims for animals killed because of glanders, the sum of \$280,306.25, and for animals killed because of tuberculosis, the sum of \$152,416.50. These amounts were made necessary by the fact that glanders claims had accumulated for a period of about four years and no tuberculosis claims had been paid for about two years. It will therefore be seen that these appropriations were for the payment of liabilities past due rather than for the compensation of owners for animals recently destroyed. The appropriations referred to were not adequate to complete payments due at the time such appropriations became available, but were sufficient to cover indemnities until about January 1, 1915, only. Consequently, there are outstanding bills for a considerable amount, which have accrued since these appropriations became exhausted.

In addition to the appropriations made for the payment of tuberculosis and glanders indemnities, there was provided by the Legislature the sum of \$25,000 to pay interest on claims. This provision in the Law became effective in March, 1914. The amount used from this fund was approximately \$7,797.54. If sufficient advance funds were provided for the payment of claims, this interest allowance would not be necessary.

The Legislature of 1915 provided a fund of \$300,000 for the payment of one-half the indemnities and other expenses incident to the eradication of foot-and-mouth disease. This fund could be used only for that specific purpose, and of the sum approximately \$275,000 have been expended, the United States Government paying a similar portion. The statistics hereafter shown will give in detail the districts where the disease appeared and the allowances made for indemnities in the various counties.

Several proposed changes in policies and the adoption of new measures were postponed, owing to all the available forces being engaged in the extra duties made necessary by the foot-and-mouth outbreak. We have followed essentially the same course in the control of infectious diseases of animals as in the past, and, as heretofore, bovine tuberculosis has been the most serious disease with which we have had to contend.

The Commission on Bovine Tuberculosis, appointed in 1913 to consider methods for the control and eradication of this disease, submitted their report to the Legislature during the past year. This comprised several recommendations which had been decided upon by the Commission as advisable. These findings were embodied in a bill which was introduced in the Legislature of 1915. The changes in the law which the Commission advocated included the adoption of a district system for veterinary control work; a change in the requirement governing the reporting of tuberculin tests to the Commissioner of Agriculture; a revision of the methods of appraising animals; a slight change in the allowance made by the State for animals showing generalized tuberculosis and physical glanders; the requirements that all skim milk and whey returned from cheese factories, creameries, etc., should be pasteurized; a provision for the physical examination of all dairy cattle from which milk is used in liquid form; and a plan for the development of a meat inspection service.

After tuberculosis, the next most important disease is glanders, or farcy. Its existence is still largely confined to greater New York and the surrounding territory. As a rule, cases occurring in the rural districts are traceable to city horses shipped from New York and bringing infection with them. This disease, which affects not only the equine race but man as well, appears to be less prevalent in the State than heretofore. In the glanders suppression work of 1914, New York City (Greater New York) was placed in quarantine with the object of preventing the removal of animals from the metropolitan district without proper health certificate. Owing to the large number of cases of glanders which are found in New York, it was deemed advisable that the movement of equines from that district should be restricted to those which were believed to be healthy. Investigation has shown that

many of the cases of glanders occurring in rural districts were traceable to horses shipped from Greater New York or other city points.

It has come to be generally accepted that the immediate slaughter of every animal showing positive indications of glanders by a recognized test is the only positive means of complete eradication of this infection. The effects of the custom prevailing some years ago of quarantining reactors, retesting, and eventually releasing them, are now evident, and to this system may be attributed in part the failure to control the disease in many places. While the radical method means a considerable loss to the owner and is frequently looked upon as a drastic measure it is nevertheless the only effective way of controlling glanders and from an economic standpoint is the cheapest. The execution of a general plan of eradication by the slaughter method is difficult, and its successful termination is dependent upon united action on the part of horse owners, veterinarians, and municipal and State and health authorities. Of these factors doubtless the horse-owning public is the most important one.

The question of indemnity allowance to owners of glandered horses is worthy of serious consideration. It has been suggested that, in case of animals showing physical evidence of the disease, owners should receive no indemnity from the State, but that the allowance for apparently healthy but reacting horses should be increased. It is probable that eventually no funds will be provided by the Legislature for paying owners of animals affected with this disease, as well as other animal diseases; although, the present practice having been followed for some years, there is grave doubt as to the advisability of entirely doing away with the custom at this time. There are many arguments advanced in favor of limiting the indemnity allowance or doing away with it entirely. If owners of animals showing physical evidence of glanders were debarred from compensation, it might result in the concealment and possible disposition of some diseased animals, thereby distributing the virus. On the other hand, such a regulation might encourage the reporting of cases known to be affected before the advanced stage of the disease developed. In the recommendations hereafter given, it is suggested that a reduction in in-

demnity allowance be made in physical cases but that a material increase be provided for in other cases, thereby encouraging the destruction of apparently sound but reacting individuals, but giving some compensation to those owning animals which are well advanced and are therefore usually the distributors of the virus.

Statistics hereafter given show the relative extent of glanders as compared with former years. Special attention is called to the marked decline in the number of clinical cases, although the total number of animals destroyed has not decreased very materially.

Rabies continues to occupy a prominent place in the work of this Bureau. The losses from it, while not particularly important from an economic standpoint, are nevertheless sufficiently large to warrant careful consideration of means to prevent and eradicate this infection. The occasional cases in human beings with the attendant horrors place hydrophobia among the classes of infections most feared by man. Much suffering and not a little expense would be saved the human race, were this plague eradicated from the country. The portion of this report dealing with rabies explains the general situation more fully.

Losses from anthrax are increasing. As the number of animals that have been vaccinated is greater than in previous years and the infection has evidently extended over a wider area, stock-owners should avail themselves of means of prevention more generally than is the present custom. It is unfortunate that this disease can not be eradicated more easily and that some satisfactory curative measures have not been developed.

The disease known as blackleg continues to destroy a considerable number of young cattle throughout the State. It is probable that the cases reported to us as due to this disease cover only a percentage of the actual losses. Preventive vaccination is recommended and its effect is very satisfactory.

Hog cholera is apparently increasing in New York and is annually causing great losses. The number of herds examined is much in excess of previous years. The serum treatment is recommended and is usually efficient when properly used. More details are given under the portion of this report dealing with hog cholera.

Among other communicable diseases affecting domestic animals might be mentioned infectious anæmia, contagious abortion swamp fever, and *septicaemia hemorrhagica*, all of which have received more or less attention.

Swamp fever has been reported from several portions of the State, but its positive diagnosis is confined to a portion of St. Lawrence and Franklin counties, referred to in report of the previous year. Quarantine upon certain townships in those counties is still in effect and will be continued for an indefinite period.

Veal inspection work in this Bureau was almost entirely stopped, since inspectors usually engaged in that work were assigned to duties in connection with foot-and-mouth outbreak. There have been seized during the year, however, a total of 414 carcasses, or parts of same, and there have been referred to counsel for attention a total of 327 cases. A considerable number of the seizures made were confiscations where no prosecution was attempted, while in other cases the evidence was incomplete or not sufficient to warrant prosecution. From the information at hand it appeared that this traffic in calves under four weeks of age in violation of the Agricultural Law was still being carried on. This is largely because the penalties inflicted for violation of this Law are not sufficiently drastic.

BOVINE TUBERCULOSIS

The statistics of this office in connection with tuberculosis in cattle for the fiscal year 1914-15 indicate progress in the control of this disease. A comparison of the data collected for some years will show that there has been a continuous decrease in the percentage of tuberculous animals found within the State as a result of tuberculin test. This is evidently due to a number of influences, and is an indication that the number of animals affected with the disease is slowly diminishing. It was explained in the report of last year that these statistics were based not only on official tests made, which comprise suspected herds almost exclusively, but also on private tests of animals within the State, the percentages being obtained by a combination of both. For some years this procedure has been followed in estimating the number of tubercular animals, and we

believe it is accurate. The same policies have been followed in tuberculin testing as for some years past, namely, limiting official tests almost entirely to herds in which evidence of disease is indicated. due application being signed, sworn to, and filed in this office. There are in addition an increasing number of private tests being made by veterinarians where diseased animals are found. When such reports are received, quarantine order is issued to owners and diseased animals ordered segregated, the milk to be used only after proper pasteurization as the law provides. This is for the protection of the public, the owner being given the option of holding the reacting cattle under segregation and is advised to do so, particularly if pure-bred stock: of having them slaughtered as his own property under inspection, by making application to the State that they be taken in charge, condemned, appraised, and destroyed, or selling them to others for a similar purpose or for segregation.

Because of the lack of funds promptly to indemnify owners of animals, we have felt justified in recommending that owners kill their own cattle when in good beef condition, being thereby enabled to secure more prompt and often nearly as satisfactory returns as would be possible were the State to take charge, appraise, and destroy. If this system of disposing of reacting animals could be more generally applied, the expense to the State would be reduced and in many instances owners would be able to realize nearly as much from their animals as is possible by the appraisal method. A serious obstacle to the practical application of this plan, however, is the lack of any system of State meat inspection. This prevents the utilization of carcasses of such animals for food purposes in many places, due to the expense of securing proper inspection and the difficulty in disposing of such meats at a reasonable price. The prejudice against the product of a reacting animal, especially in rural districts, no matter how minute the diseased area, usually prevents the unfortunate owner from obtaining its proper value when sold locally.

Some changes have been made in the Department policy with respect to the Bang system. Unsatisfactory results have frequently occurred when State-owned cattle were placed in the custody of individuals under this method. It has therefore been con-

sidered necessary to limit placing such herds to State or county institutions. This applies only when cattle are the property of the State. Owners are allowed to keep their own animals if they so desire, providing they comply with the regulations advised by this Department for such keeping. The Bureau has endeavored to impress upon the custodians of animals the possibilities of the Bang system, particularly the advisability of raising calves from the diseased ancestors and thus replacing the tuberculous herd with healthy individuals. One serious obstacle to the practical application of this method of controlling the disease is the difficulty of compliance with the laws and regulations of State and various municipal authorities. The objections on the part of the consuming public to products of such animals, even if pasteurized, is a serious handicap.

Unfortunately, since the pasteurization system has come into quite general use there seems to be less tendency on the part of the consumer to question the source of his milk supply. While pasteurization may be a safeguard against diseases which may be distributed through milk, it does not reach the source of evil nor in any way tend to eradicate disease in the dairy herd. In other words, the present tendency seems to be to consider the product rather than the producing factor. At the same time, the question as to the efficiency of so-called commercial pasteurization leaves a possible chance of infection being distributed. Since pasteurization contemplates the conversion of otherwise pathogenic milk to a wholesome product, it would seem that eventually the product of the tuberculous animal in good physical condition will come to be used without some of the restrictions now imposed. The objections raised by the consumer to such milk can hardly be considered logical, since milk at the present time is frequently produced under conditions which are decidedly more questionable as regards disease and sanitation.

In connection with the proposed changes in the Agricultural Law already referred to, it might be well again to call attention to suggestions made in previous reports concerning the use of animals that have reacted to the tuberculin test but are in apparently good physical condition. At the present time the statute places all animals that have reacted to the tuberculin test in one

class, making little or no distinction between the individual animal that shows evidence of the disease from its physical appearance alone and the one in which the disease has been indicated by some test method. A distinction should be made between these two classes of animals, and by so doing stock owners would be enabled, with a minimum of loss, to dispose of animals which are in good physical condition and capable of producing milk or offspring for an indefinite period. At the present time, the objection that the average person has to animals that in any way have given indications of being tuberculous is sufficient to render such an animal in their opinion undesirable for any milk purpose. If the milk from such animal could be used after being properly pasteurized, and the animal subjected to proper inspection, there is no reason why many such cattle should not serve their usual purpose with no danger to the consumer of milk or its products.

If some system could be devised whereby such animals could be permanently and positively marked or branded, their means of distributing tuberculosis, presuming they were distributors of the germ, would be correspondingly lessened, from the fact that their products would be under suspicion and consequent surveillance. At the same time those having proper facilities might with profit to themselves and safety to the public continue the use of such animals, temporarily at least. By means of the marking system it would be impossible, if properly conducted, for such animals again to be classed as healthy. The sale of individuals so marked would be attended with certain difficulties which would tend to limit their distribution. In the case of valuable animals, examinations of the saliva and other discharges could be made to determine whether they were spreading the germs of the disease. The following paragraphs taken from 1913-14 report will explain this more in detail:

At the time, it seems necessary that there should be an effort made to bring the public to a more common-sense view of the characteristics and principles surrounding bovine tuberculosis. The disposition of physically sound but reacting cattle is one of the most serious questions in the whole tuberculosis problem. If some means can be devised which would release the owner from some of the prohibitions which now seem to be considered necessary, it would aid materially in encouraging the stock owner to eradicate the disease from his herd.

The fear which the average person has of a cow that has reacted to the tuberculin test without regard to her physical condition is a serious obstacle in the use of that animal for any purpose. If apparently healthy but reacting cattle were permanently and clearly marked, subjected to frequent and thorough physical inspection, and their milk pasteurized, there can be no satisfactory reason for such an animal not being allowed to continue to be used the same as before the test.

The sale of animals which are so marked would seem to be an entirely feasible proposition. The adoption of a county or district inspection service would subject all such animals to proper examination at frequent intervals, and the danger from them would thus be minimized. Cattle that had reacted and were properly designated by marking could be given especial attention by the local inspector. The opportunity for sale of such an animal would be limited, since the number of people who would knowingly buy such an individual would be comparatively few, and consequently there would be a tendency to destroy them, the owner desiring to be relieved of them with the least possible delay. This would therefore reduce the traffic in such cattle very materially and would thus protect the public accordingly. This presupposes, of course, that any animal showing physical evidence of the disease would at once be segregated or destroyed. By a meat inspection service in connection with the above, the disposition of such individuals could be provided for with little inconvenience to the owner and with a minimum of loss. The public would be safeguarded, while the valuable individual could be retained for breeding or milk purposes without serious interference.

As a further relief from the present requirements in relation to tuberculous cattle, the feeding of calves, which are to be killed under inspection, upon unheated milk from reactors would relieve the owner from much expense and encourage tuberculin-testing of his stock. Here again the necessity of a system of meat inspection is clearly shown.

One objection to the tuberculin test as a means of controlling or eradicating tuberculosis is due to its limited application. The expense of slaughter of all animals found diseased as a result of a compulsory test of dairy cattle in the State and the indemnification therefor to owners would be prohibitive. The public is not at this time sufficiently acquainted with the characteristics of the disease to accept or adopt the pasteurization plan and use the milk from physically sound reactors.

The number of animals annually tested under the present methods is approximately three per cent of the total number of dairy animals in the State. It will thus be seen that the protection afforded to the consumer of dairy products by the test method alone is decidedly limited. Hence, the physical examination plan has been suggested to reach all dairy animals, thereby detecting many undesirable for milk production in herds which would ordinarily not

be reached by the test method. If it were possible thus to supplement the test by means of such a general physical examination, the beneficial effects would at once be apparent. We desire to emphasize the fact that this Department does not wish it to be inferred that the tuberculin test is to be disregarded or discarded. The physical examination method is to be used as an adjunct to the tuberculin test and is intended to reach all herds, thus to some extent eliminating the objection to the test and reaching cases which the test does not reach at the present time. The economic problem presented, even were it possible to apply the test to all cattle, is so great as to render it impossible under present conditions.

The Tuberculosis Commission recommended that all skim milk used in the feeding of animals should be pasteurized, and this Bureau most emphatically endorses such recommendation. The adoption and enforcement of such a requirement would do much to reduce the opportunity for the spread of this disease to calves and hogs, and by raising these young animals so fed, without exposure to diseased adults, tuberculosis would eventually be controlled and eliminated. There seems to be no satisfactory reason why such legislation should not be enacted.

The Tuberculosis Commission likewise recommended that tuberculin be used without reports of such use being made to the Commissioner of Agriculture. Many states, however, are adopting legislation providing for the reporting of such tests, and others are attempting to secure such statutes. Therefore, the advisability of repealing the present State law which requires such reports is decidedly questionable. As the breeding industry of New York State is dependent to some extent upon buyers of dairy breeding cattle from elsewhere, and as the movement of cattle under tuberculin test is recognized as a standard by State and Federal authorities, disorganizing the present system in any way will work to the detriment of the cattle industry of this State.

The Commission recommended the establishment of a system of district inspection to be in charge of so-called district veterinarians. This proposal, we believe, has much merit and it is undoubtedly a movement whereby closer relations would be established between the individual cattle owner and the State, and, if properly organized, would be of great educational value.

The present method of per diem employment of veterinarians is far from satisfactory in many respects. It is evident that the veterinarian who derives a portion of his income from the service of the State on a per diem basis, but is partly dependent upon his daily practice, is serving two diverse interests which necessarily must conflict in many ways. He naturally gives more attention to his private practice than to the State service. The employment of men on a salary basis who would devote their entire time to department service would increase the efficiency of the Bureau; therefore adding to its usefulness to the live stock owner and the general public. From a business as well as from a professional point of view the plan has unquestionably much merit.

The Bureau has had under consideration for some time the adoption of some system that would give recognition by means of a registry or similar method to tuberculous-free herds. This plan is in operation in some states and is reported to be satisfactory. Because of the foot-and-mouth outbreak, however, a satisfactory working outline for this scheme has not been perfected. We believe this plan would encourage the owner of animals in the endeavor to eradicate the disease from his herd, and should induce him to use every effort to prevent reinfection.

One of the serious difficulties met with in the control of animal diseases is the attitude of most stock owners toward inspections by State, municipal, or private interests. At the present time, it not infrequently happens that dairy herds are under several different systems of inspection. The State, through the Agricultural and Health departments has inspectors in the field. There are in addition city, and sometimes private, corporations which are interested. The result is that the owner becomes aggravated and annoyed by this apparently unnecessary duplication of work, and often finds it impossible to comply with the various regulations imposed upon him. As a relief from this undesirable condition, some system should be devised whereby the certification of one competent inspector working under recognized authority, preferably state, would be sufficient and should be acceptable to all other interests concerned. The present complicated methods are the cause of much dissatisfaction.

It might here be mentioned that methods for the control of tuberculosis must be placed upon a business basis, in so far as the

producer of milk is concerned. The tendency at present on the part of the consuming public is to expect that milk and its products can be had at a price not in excess of what it has been in the past, this in spite of the fact that increased restrictions and regulations, not formerly required, are imposed upon the producer, necessitating the use of appliances and methods which tend to increase materially the cost of production. When there is added the expense of maintaining healthy herds it is apparent that compliance with these requirements can logically be attained only by the consumer's paying a higher ultimate price. If the producer can be assured a return in proportion to his expenditure, few if any would object to additional requirements involving the health of the animal or the improvement in equipment and consequent additional cost. It is therefore evident that the successful termination of the efforts to control tuberculosis is more or less dependent upon an economic consideration of the producing cost to the owner of dairy cattle and the willingness of the consumer to aid in safeguarding the product by paying an adequate return to the producer for labor and capital invested.

The control of tuberculosis in herds producing certified milk is an important feature of the work of this Bureau. One of the requirements before milk can be certified is evidence of the freedom from tuberculosis of the animals as determined by means of the tuberculin test. It has been customary for these tests to be made by representatives of a milk commission. As a result of such tests the State has in the past been called upon to condemn, appraise, and slaughter a large number of animals, the percentage of tuberculosis being higher than in the average dairy. This is in part due to the custom followed by most owners of such herds of continually buying fresh milking cows to maintain a uniform supply. While these cattle are usually bought on test, they generally come from a number of herds and often from those in which tuberculosis is prevalent. Under the present law the State is given practically no authority over the production of certified milk, since the control of such herds is wholly in the hands of milk commissions appointed by county medical societies, the personnel of which is more or less variable. The creation of so many commissions (one in each county) results in different requirements being promulgated and more or less lack of uniformity

thereby results. The delivery of certified milk by the producer to several points of distribution, if in different counties, often subjects him to various regulations proportionate to the number of counties to which his product goes, because the requirements in one county may not be acceptable in another. The control and certification of raw milk for the feeding of children should be under the supervision of the highest possible authority, preferably the Federal Government. Where distribution of this product is intrastate, this power is not vested in the National Government, and, therefore, State authority should be supreme. The present haphazard and complicated method should be superseded by a uniform system which would accept certification in one State or portion of the State as satisfactory without regard to the ultimate disposition of the product itself. At the present time the practice of having this great food subject to so many conflicting regulations and restrictions is unsatisfactory.

Considerable difficulty is experienced in impressing upon owners and veterinarians the necessity of considering animals diseased after having once reacted to a tuberculin test. It is the practice of many custodians as well as veterinarians to request, and in many instances insist upon a retest of reactors with the object of having same released if found to pass a second test. To one not familiar with the irregular results found in retesting reacting animals, there might seem to be no objection to this procedure. It should be understood, however, that many individuals which are tuberculous and have given indication of such condition as result of test, will upon subsequent retest fail to react. Why this should occur is not clearly established. It is probable, however, that it is brought about by the immunizing effect of previous doses of tuberculin, by intermittent susceptibility of the individual to the action of tuberculin, by the disease having become arrested in its development, or by other unknown conditions which may render subsequent tests unreliable and therefore misleading and confusing.

It is evident, therefore, if the practice of ignoring reactors which subsequently pass satisfactory test is followed, that herds in which such animals are kept are frequently subjected to reinfection, due to the fact that such individuals may and oftentimes do develop active tuberculosis and become spreaders or distributors of the

virus. This has repeatedly been illustrated in the past few years, and is no doubt one of the principal causes for the failure to eradicate tuberculosis in herds where this practice has been followed. It has therefore been considered necessary to discourage the retesting of reacting individuals except for experimental purposes. We have been and are making some investigations with a view of securing more definite and conclusive data upon this subject.

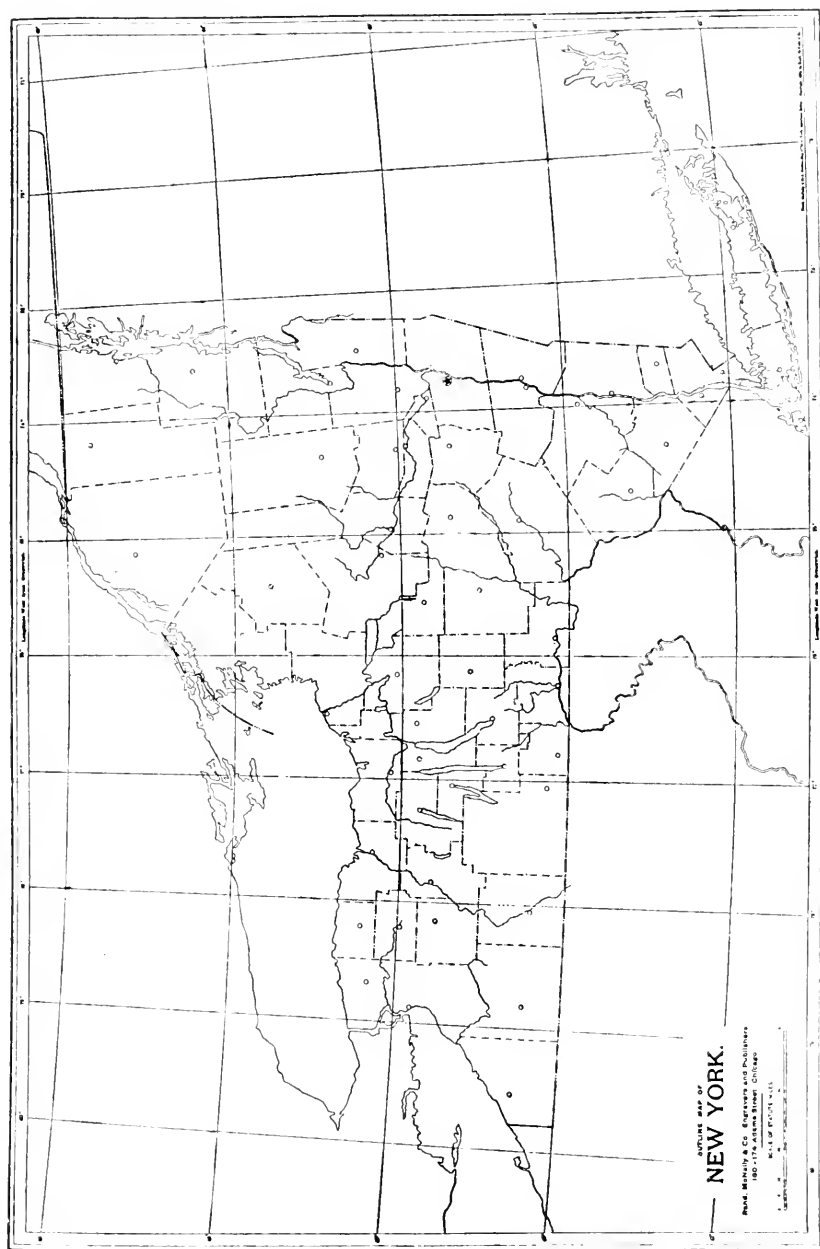
We here desire to call attention to the percentage of so-called "no-lesion" cases found in the official examinations. From the data at hand and information secured from other authorities, there is little doubt that the percentage of reactors in which no visible lesions of tuberculosis are found could be much diminished, were it possible to secure a more thorough autopsy. This is not alone due to lack of skill on the part of the examiner but is partially to be attributed to the objection made by the buyers of meat to the mutilation of the carcass which is necessary if a thorough dissection is made.

It should be understood, moreover, that many of the animals accepted as diseased by the Department, duly appraised and slaughtered, are from herds tested by veterinarians acting in a private capacity and who are in some instances not so experienced in the use of tuberculin as is desirable. Where properly executed condemnation sheets are submitted by duly licensed veterinary practitioners, the Department is under obligations to accept such as evidence of disease and act accordingly. In some cases the practitioner is influenced by owners who insist upon the condemnation of individuals which do not show typical evidence of tuberculosis as far as test report shows, and thus the State is placed in the position of being virtually forced to accept and kill such cattle, which, if tested by official representatives, might have been held for further retest. The Department has endeavored to assist veterinarians and others by advising that great care be used in this matter, and has occasionally refused to accept recommendations for slaughter where the facts did not warrant such procedure. On the other hand, it more frequently happens that owners or veterinarians are disposed to consider animals that show a definite reaction as suspicious only, requesting retests with a possibility of release rather

than definite condemnation. This has likewise been discouraged by the Department in the endeavor to protect herds against infection from these sources.

We here desire to call attention to the possibilities of tuberculosis, as well as other diseases, being distributed through the medium of common feeding and drinking troughs or mangers. The modern barn, although constructed of steel and concrete, with an undivided manger wherein animals are not only fed but also watered, offers perhaps one of the best means of disseminating infectious disease from animal to animal that could be devised. In diseases such as tuberculosis which are presumably distributed largely through food or fluids, it is evidence that if one animal is distributing germs, particularly through the mouth or nose, such animal cannot fail to contaminate the common manger and thereby possibly distribute disease to others. The flow of water or the interchange of particles of grain and fodder offers every facility for the distribution of infection. It is our recommendation that the separation of individuals and the installation of individual drinking and feeding receptacles is one of the most important means whereby infectious diseases, particularly tuberculosis, can be checked. This becomes increasingly important in proportion to the size of the herd and the amount of infection in it. This recommendation has received careful consideration and from the experience in many herds, particularly those containing a large number of animals, it appears that it is one of the important means whereby those desirous of protecting their herds from infection may find relief.

There are given hereafter statistics showing returns from the sale of carcasses and hides for animals killed under the Agricultural Law for the past few years. For the year 1914-15, this totals more than \$53,000. When the expense in controlling bovine tuberculosis is estimated, it is evident that this asset should be taken into account, since it materially reduces the liability of the State. It is not possible to make this work self-supporting, but the returns received reimburse the State treasury for a considerable portion of the money expended for indemnification and other expenses, and it is in itself sufficient to cover the total regular appropriation made to the Bureau of Veterinary Service for the last



Map of New York, showing extent of glanders.

fiscal year. It will be noted that there has been an increase in the returns from year to year. This is not only due to the general advance in price of meats and hides, but has also been aided by a more uniform and systematic method of disposing of same. The decrease in the number of generalized cases of tuberculosis also adds to the ultimate return, since carcasses of condemned (generalized) animals furnish little remuneration to the State. Attention is called to the advisability of applying these returns as part payment to owners for indemnities due. It is evident that if the amounts obtained by the State could be used to apply upon claims, it would be much more satisfactory than the present custom whereby these receipts are paid into the State Treasury and claims must await appropriation by the Legislature before they can be paid. By applying these receipts directly to payment of claims much more satisfactory results would be obtained.

GLANDERS

This disease appears to be slowly decreasing — a fact which may be due to a reduction in the number of susceptible animals in cities on account of the increasing use of automobiles for both pleasure and business purposes. However, the information at hand does not show any material change in the number of horses in Greater New York, the principal seat of this infection. From the statistics it will be found that the number of animals showing physical evidence of the disease is decreasing from year to year, which indicates an encouraging situation and makes the ultimate control of the disease seem possible.

The adoption of the ophthalmic test has relieved to a considerable extent the objections to the subcutaneous use of mallein as a diagnostic agent in the detection of glanders. By the use of this comparatively recent method a much larger number of individuals can be tested in an allotted time, and the results seem to be as accurate as is indicated by the subcutaneous method.

In 1914 quarantine was placed upon Greater New York with the object of limiting the removal of animals from the metropolitan district without proper examination. This action was taken because of the large number of cases of glanders which are constantly being found in the city and the fact that investigations

showed that a considerable number of cases occurring in other parts of the State were traceable to street-worn horses shipped up-State. At the same time restrictions were placed upon horses coming from neighboring states, requiring that proper inspection of same be made. This was for the purpose of checking the movement of glandered horses from nearby districts. The enforcement of such regulations is very difficult and it is evident that the movement of all imported equine animals should be subject to stricter regulations. While it is true that in the vicinity of Greater New York, disease was evidently being distributed by the movement of equine animals to and from their daily work, it is also probable that some infection is carried by shipments from states or cities against which no quarantine prevails.

Glanders is primarily a disease of areas where horses are kept in large numbers: Its control is therefore largely dependent upon the proper supervision and inspection of the equine population of cities. This involves suitable sanitary surroundings where horses are fed, watered, and stabled.

The statistics hereafter given show the relative extent of this disease as compared with former years. Particular attention is called to the material decrease in clinical cases during the past year, while the total number of animals killed has also been much reduced.

RABIES

This disease, affecting practically all warm-blooded animals, is all too prevalent within New York State. Its movement has been eastward for the last few years, until at the present time the principal centers of infection are in that part of the State. It is almost continuously prevalent in the neighborhood of large cities, although its existence is possibly concealed or unsuspected and this Department not advised.

The principal carrier of this infection is the dog. Its appearance in other animals or in the human subject is nearly always due to the bite of some member of the canine race. Its eradication is, therefore, largely a problem of canine control. This involves proper muzzling or confinement of the animal. The results of this method are well illustrated by the experience of England. Because of their geographical location and the strict quarantine

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maintained, hydrophobia is now unknown on the British Isles. Its elimination from this country can likewise be accomplished if similar regulations could be put in force. Making owners responsible for the acts of their animals is one means of securing the desired end, but it fails of its object in the case of dogs, since the homeless, wandering, and ownerless individuals are the most dangerous. These vagabond animals are the principal carriers and distributors of rabies.

The present methods of local control over the dog population are ineffective and unsatisfactory. This Department meets the same difficulties as heretofore in being unable to secure proper enforcement of quarantines in many cases. The tendency of local officials to restrict and limit the area to be quarantined practically annuls the good effects of the order. In so far as possible we are extending the areas, and in one or two cases have quarantined entire counties with the object of surrounding and therefore checking the distribution of the virus. Because of the antagonistic attitude of many dog owners and others, however, the proper carrying out of the rabies quarantine orders is very difficult.

The control of dogs is a broader problem than disease prevention only. The sheep industry of New York State has been demoralized and in many sections entirely eliminated because of the difficulty in protecting these animals from dogs. The Census of 1910 shows 800,000 less sheep than in 1900. At this rate it will be but a few years when the sheep-raising industry of New York State will have become history — this in spite of the fact that there are thousands of acres of grazing land in the State which offer unequalled opportunity for the development of this great industry. Dogs and sheep cannot exist in the same locality unless kept under proper control or protection. The choice must be made, and made soon, as to which is more valuable to agriculture.

Recommendations hereafter made concerning the changes in the law relative to dogs have received careful consideration and are submitted as a solution of the problem.

HOG CHOLERA

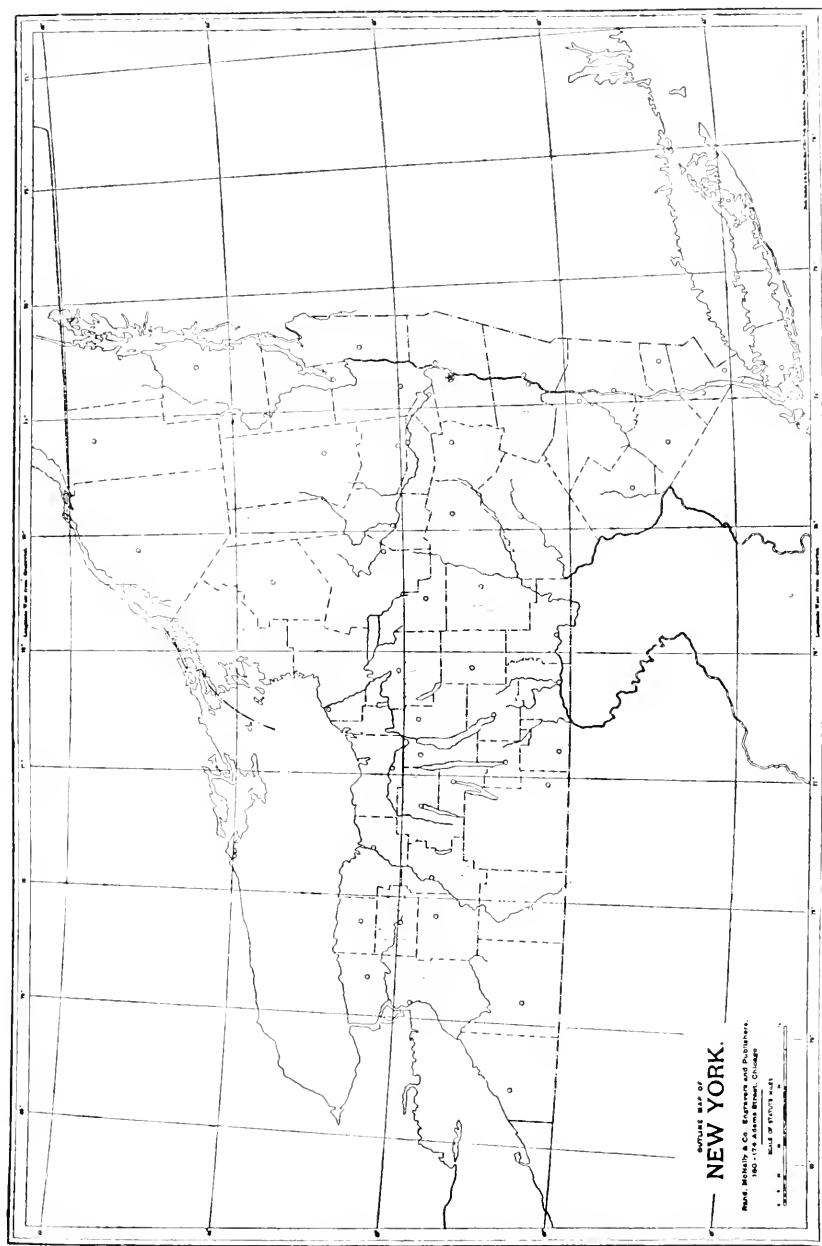
This disease, affecting swine only, is one of the most common diseases of this species of animals. In rural districts it is appar-

ently increasing from year to year, partly, it is believed, due to feeding swine with garbage containing meat scraps coming from affected hogs which are not sufficiently advanced to be indicated as diseased by examinations of the carcasses. It has also been aided by the distribution of infected hogs for breeding purposes, and by the exhibition of show stock at local and State fairs with the resultant exposure to infected animals at such places.

While in New York the raising of swine does not reach such importance as does the industry in many states, it is nevertheless an important part of our agricultural activity. Losses from hog cholera are sufficiently important to have much influence upon swine raising. It is commonly supposed that losses of a few animals in each herd are not preventable, and when hog cholera or other preventable diseases do prevail there is a tendency to defer action in attempting to remedy the situation until the infection has become so widespread as to be beyond ordinary control.

This Department is recommending the use of preventive treatment, namely, anti-hog-cholera serum. The use of serum has done much to check the ravages of hog cholera among valuable animals and on the larger hog farms, where it has been in use for some years. The average swine owner, however, is not sufficiently familiar with the disease to appreciate the necessity of taking measures to prevent it. His indifference to minimum losses makes it almost impossible to cause him to see the saving that could be effected by the use of treatment, thereby in many cases entirely obviating the loss from this disease.

The administration of serum, while involving some preliminary expense, can be used to decided economic advantages. This Department has recommended the single treatment only, believing that the double or simultaneous method is not justified in the State of New York, owing to the fact that it involves the distribution of living virus in the blood from cholera-infected hogs, and hence might introduce hog cholera in localities where it has not previously exist. While the double treatment is more permanent in its effects, rendering the animal immune to the disease for a longer period, it is our belief that the benefits so gained are more than offset by the dangers incident to its use in districts where hog cholera is not generally prevalent, as is the case in the State of New York. The double treatment should be administered only



Map of New York, showing extent of hog cholera.



under the direct supervision of a competent person, and its use except under the supervision of this Department or some one recognized by this Department as competent is emphatically discouraged.

We have had under consideration the adoption of regulations definitely prohibiting the use of hog cholera virus except under permit from this office. We are likewise considering the adoption of regulations prohibiting the use of cars, crates, etc., which have been used in the transportation of hogs from any affected district until after proper disinfection. This would involve restrictions on the shipment of swine except in properly cleaned and disinfected crates or cars, and would involve the classification of all stock yards as infected. The control of this means of disseminating hog cholera would, we believe, have a beneficial effect in limiting its distribution to herds in this State.

It might be desirable to state here that the administration of anti-hog-cholera serum is a purely preventive treatment and that there is little, if any, curative effect known to result from its use. It is important, therefore, that this means of controlling the disease be used in advance of the outbreak; if not used until the infection appears the results are likely to be discouraging.

ANTHRAX

The disease known as anthrax affects all warm-blooded animals, including man. The losses from it among domestic animals in this State, while not important, are nevertheless sufficiently large to warrant careful consideration. The disease is difficult to control and it is all the more serious since no satisfactory curative treatment is yet known. Owing to the length of time that the spore form of the germ will remain alive, anthrax is one of the most difficult infections to eradicate entirely from an infected farm. These spores are known to remain alive in the soil for years, and their destruction by any ordinary disinfectant is impossible.

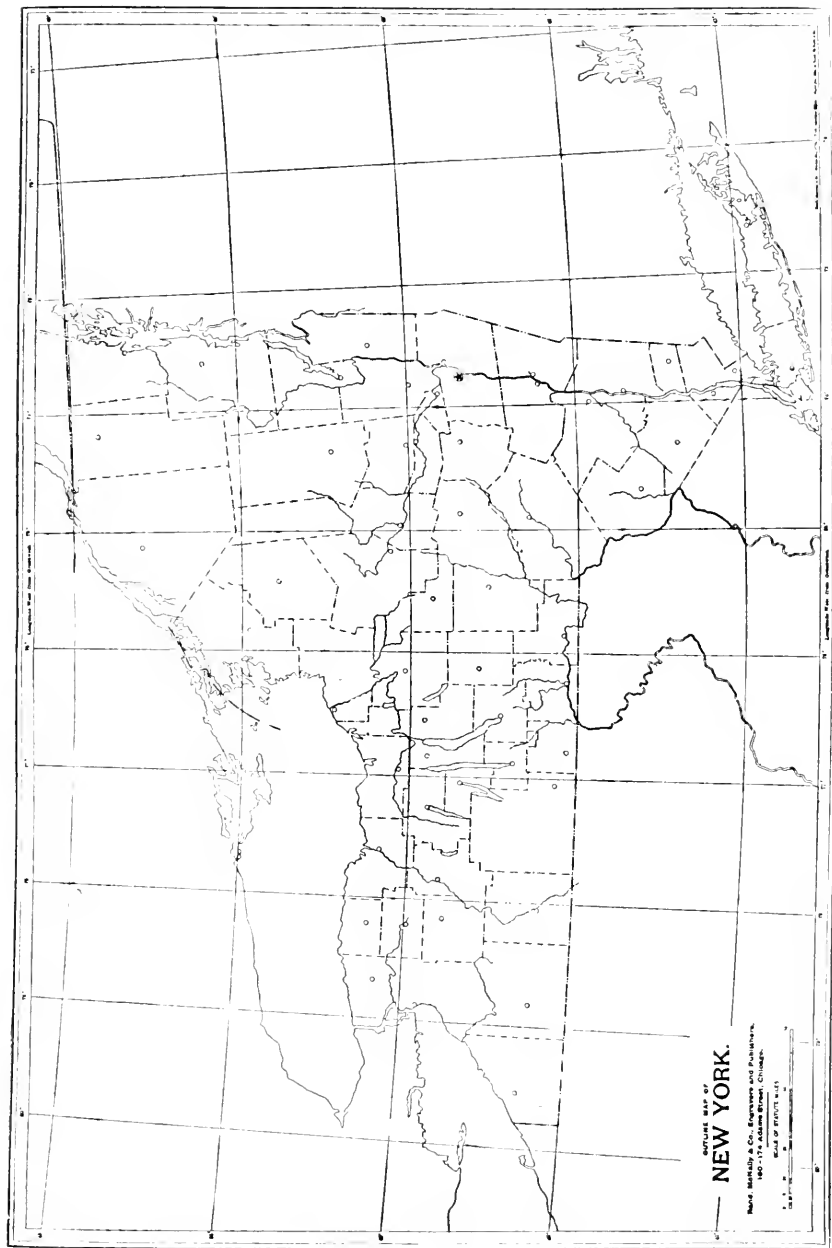
As a means of prevention of this infection, vaccination is now recognized as the most satisfactory and positive. By the proper use of this treatment, fatalities can be reduced to a minimum. However, it has little, if any, curative value and its administration in advance of an attack is therefore necessary.

The principal centers of anthrax infection in the State of New York seem to be in the counties of Oneida, Cattaraugus, Chautauqua, St. Lawrence, Saratoga, Delaware, and in and about Orange county. In these districts vaccine is quite generally used, but losses continue on premises where this means of prevention is not resorted to or where new districts become involved.

The transmission of anthrax to the human family is not infrequent, and a number of cases have been recorded during the past year. In some instances these are traceable to direct contact with infected animals, but more often to infected animal products, such as hides, horns, hoofs, etc., and consequently cases are not infrequent among tannery workers, wool sorters, etc.

Among animals, this disease is usually acquired by susceptible individuals that feed on lands or fields which have become infected in the past from the overflow of streams, thus carrying anthrax spores to grazing lands, or by direct contact with diseased animals. Because of the spore form of the germ heretofore mentioned, the recurrence of infection from year to year on these premises is to be expected and preventive treatment (vaccination) is therefore strongly recommended.

The careful disposition of carcasses of animals that have died of anthrax is important. Owing to the great resistance of the organism to disinfectants, the bodies of such animals should be either burned or deeply buried. The former method is unsatisfactory and expensive unless a considerable quantity of inflammable material is obtained, and therefore the burying method is usually adopted. This involves the digging of a grave or trench, which should be at least five feet deep. The cadaver should be covered with lime or some active disinfectant in order to insure quick decomposition and destruction, and fencing around the burial place is recommended, if animals will have access to it. The use of pastures, fields, yards, pens, etc., where animals dying from anthrax have been kept, should be avoided if possible. This frequently cannot be done and the only resort is to immunize by the necessary treatment, animals which are to be placed upon such premises. It often happens that this infection is distributed by the careless handling of carcasses of animals dying from the disease and the consequent distribution of the virus therefrom.



Map of New York, showing extent of anthrax.



BLACKLEG

This disease, affecting cattle, sheep, and goats, more particularly the former, is quite common in this State. It fortunately does not as a rule attack very young or adult animals, its ravages being confined largely to calves and young cattle from four months to two years of age. It is less acute in its attack than anthrax, and the mortality is less. Like the former disease, there is no satisfactory curative agent known. It can be controlled by the use of blackleg vaccine, however, which is a comparatively positive preventive treatment.

Owing to the limited number of farm animals susceptible to the disease, it is not so serious as anthrax. Blackleg is likely to recur from year to year on the same premises, but the germ causing it is less resistant to disinfectants and to the natural effects of the elements than many other diseases, and hence its extermination is not impossible. This Department strongly recommends the use of vaccine on premises or farms where cases of blackleg have occurred, and the repeated use from year to year of this means of prevention is advised.

The carcasses of animals dying from this disease should be disposed of by burning or burying deeply and covering with lime. The use of fields, yards, buildings, etc., where animals have died from blackleg, or where infected individuals have been pastured or housed until such places have been cleaned and disinfected, should not be permitted. In the case of fields, this may involve their cultivation for a year or the placing upon them of animals not susceptible to blackleg. Buildings or yards which can be disinfected are, of course, more easily rendered safe for the use of susceptible individuals.

FOOT-AND-MOUTH DISEASE

About the middle of October, 1914, information was received indicating the existence of suspected foot-and-mouth disease in southern Michigan. This rumor was verified a few days later, and measures were at once taken to protect New York State. On October 21, 1914, a circular letter was sent to veterinarians throughout the State of New York advising them of the existence of

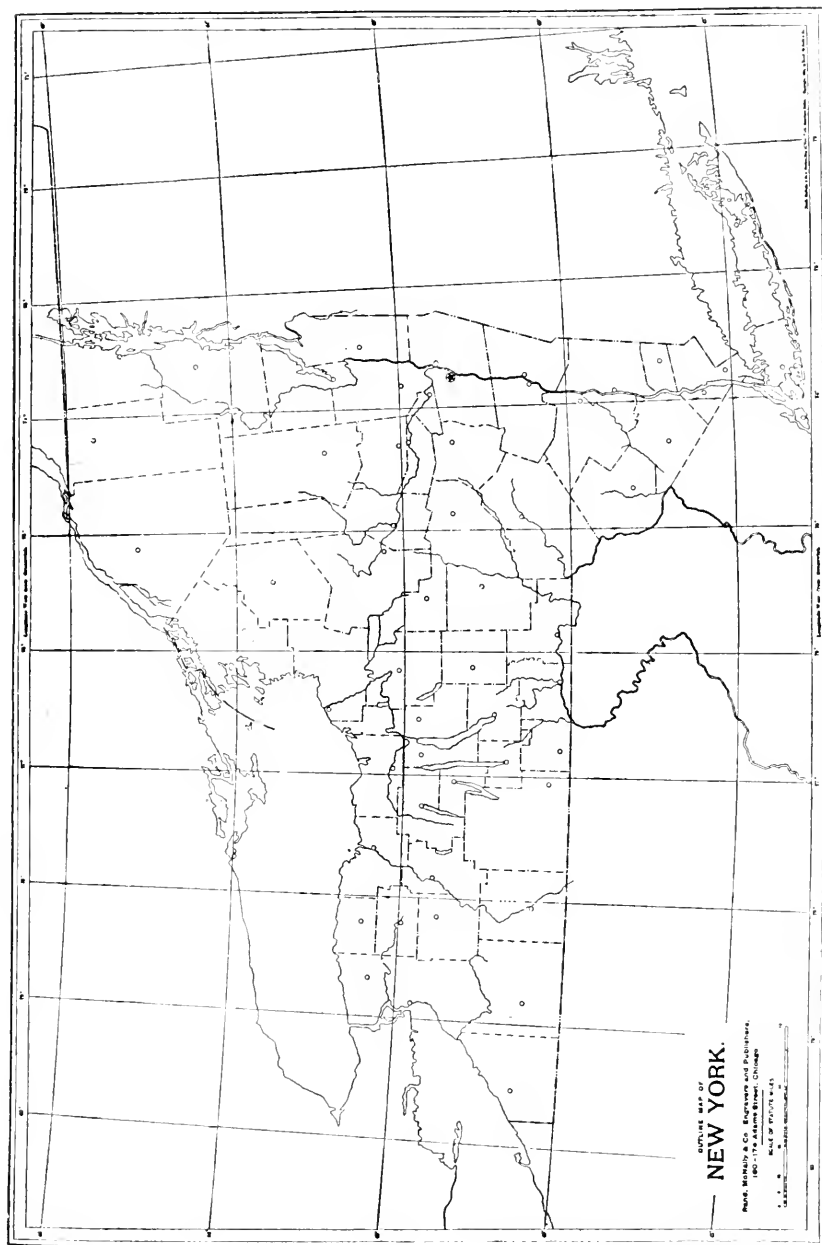
aphthous fever in this country and of the necessity of being on their guard to detect its presence in their respective localities.

On the same date, October 21, shipping of cattle, sheep, and hogs into this State from the infected states of Michigan and Indiana was prohibited. On October 31 this was supplemented by an order applying to additional counties in Ohio, Illinois, and Pennsylvania.

In the meantime, shippers of stock, veterinarians, and others interested were warned through the public press and by correspondence of the serious outlook, and their cooperation was asked. Lists of all shipments of live stock from the West into New York State were obtained from transportation companies and tracers were placed at work to determine the destination of such shipments and to ascertain the condition of all animals so brought in, since the Buffalo stock yards were in such close commercial relations with Chicago. The driving of cattle from the Buffalo yards into neighboring districts was traced as far as possible, but, owing to the difficulty of determining the destination of many of the animals moved, it was difficult to ascertain their whereabouts.

Arrangements were made for prompt action by this Bureau in case of the appearance of the disease in the State, and plans were formulated for combating it upon the first sign of outbreak.

On November 3, 1914, Dr. W. L. Clark, of Seneca Falls, communicated with this office and advised that suspicious indications of the disease existed in his locality. On Wednesday morning, November 4, Dr. John T. Claris, of Buffalo, Dr. B. P. Wende, representing the Federal Government, Dr. Clark, and the Chief of this Bureau, visited the suspected herd and definitely diagnosed foot-and-mouth disease. Visits to other premises in the locality disclosed its presence in several herds, the source of infection being traceable to cattle shipped in through Buffalo stock yards and driven from farm to farm for disposal. Immediate plans were formulated to control and eradicate the infection. Quarantine orders were issued under date of November 4, 1914, applying to the counties of Wayne, Seneca, and Erie, in all of which cases had been discovered. Every available veterinarian and Department agent was sent to the infected localities and arrangements made for inspection, appraisal, slaughter, and burial of infected animals, and the cleaning of premises. Veterinarians and stock owners were immediately notified of the presence of the disease in this State.



Map of New York, showing extent of blacklog.

Under date of November 6, 1914, the movement of all live stock upon any highway or by common carrier within this State was prohibited for a period of ten days. The cleaning and disinfecting of all cars, stock yards, pens, etc., used in the transporting and herding of live stock was provided for by order of November 9, 1914.

On November 12, 1914, the disease was reported on Long Island and quarantine orders were at once issued for the counties of Kings and Queens and arrangements made for controlling the disease in that section.

The Federal Government had, upon the first indication of trouble, forwarded men to assist State representatives, and throughout the outbreak worked in perfect harmony and cooperation with this Department. The development of new cases was very promptly checked in most localities where they appeared, and we were fortunate in limiting the spread to adjoining farms, unless there had been some source of communication to distant points.

On November 29, 1914, the disease was found in the town of Groton, near Cortland, the source of the infection supposedly being through exposed animals shipped to the district or by means of infected cars. This outbreak spread to herds in Tompkins, Cortland, Broome, and Tioga counties, all of which areas were promptly put under quarantine. Efforts for eradication were in the meantime progressing in all districts affected, and animals were being destroyed as promptly as possible.

It was believed that the disease had been entirely eliminated and on or about the first of January, 1915, the State was, so far as known, free from any infection. However, on January 26, 1915, Dr. A. C. Grace of Little Falls reported a suspicious herd which was found to be affected with foot-and-mouth disease. Only one infected herd was found in that locality, the outbreak undoubtedly being due to railroad infection. No further cases developed in the vicinity.

This outbreak was followed by an additional case in Montgomery county and later by cases in the vicinity of Albany and also near Troy, Rensselaer county, and by three cases in Westchester county, all of which were relatively slight in extent. The outbreak in

Rensselaer county was somewhat difficult to combat because of weather conditions.

Early in March, 1915, the disease appeared in a large herd in Onondaga county. This proved to be one of the most serious centers of infection in the State, exposing as it did a very important breeding district where great numbers of pure-bred cattle were in danger. From the original seat of infection the disease spread to many of the surrounding towns, and before its complete eradication the destruction of a large number of animals was necessary. The accompanying statistics indicate the extent of the infection in that district. The last animals were disposed of in Onondaga county late in April, and it was believed that the disease was under control.

For nearly three months no cases developed within the State, and confidence that it had been entirely eradicated grew as time went on. However, on July 29, 1915, suspicious conditions were reported from Hornell, Steuben county, which were immediately verified. The infection in that district, however, proved unimportant, being limited to two townships and confined to two premises. It may be of interest to note that in the last case, in Troupsburg, Steuben county, a distance of about twenty-five miles from Hornell, the source of infection seemed to be fairly clear but unusual. Eight days previous to the appearance of the disease, the owner of his herd visited the city of Hornell, driving his auto along a street which had been overflowed by the rising of the Canisteo creek, along the water course of which hogs suffering from foot-and-mouth disease had been yarded and kept. On the return of the owner to his home at Troupsburg, one of his cows licked the tire of the machine and eight days later showed symptoms of foot-and-mouth disease. That cow was the first animal in that herd to develop such symptoms, and there was no other source of infection that could be determined.

Attention is called to the outline map showing the localities infected. It will be noted that the disease extended in a more or less definite line across the State, appearing to follow the main highways of traffic, which points to infection being carried, not only by animals, but by means of common carriers.

New York State should consider herself fortunate that the dis-

ease did not cause even greater losses, when we consider the enormous live-stock population and the fact that traffic continued to a more or less extent, even in the infected localities, while the movement of slaughter animals in interstate traffic as across New York was but little reduced.

It is also well to call attention here to the assistance rendered by the Federal Government, by local veterinarians, and by health officials in securing the confidence and assistance of cattle owners and others in their respective localities.

The recent developments in other states have shown the position in which sanitary authorities may be placed where they have not the necessary cooperation of those most interested. New York should feel proud of the attitude of stock owners on this question. Their willingness to abide by the judgment of those experienced in former outbreaks allowed the immediate destruction and consequent prompt cleaning and disinfecting of premises where exposed or infected animals had been kept. While the regulations promulgated by this Department with the object of eradicating and controlling the outbreak of necessity hampered live-stock and allied activities, there was a general disposition on the part of all to assist and aid the Department in every way. The foot-and-mouth outbreak forcibly showed the necessity of organized methods for combating this and similar epidemics. It seems proper here to call attention to the defenseless position in which those in charge of live-stock matters are placed under the methods of veterinary supervision now in vogue in most states. At the beginning of the recent outbreak, the representatives of this Department whose entire time was available to aid in the control or eradication of the disease were very limited. The number of men who had experience and who were available for State service was totally inadequate to make headway against the epidemic. Had it not been for the assistance rendered by the Federal Government through their efficient organization in the Bureau of Animal Industry, this, as well as other states, would have been in a very serious predicament.

Every state should establish a system of veterinary sanitation modeled after those of European countries or the Federal Government, to be available when an efficient sanitary force is needed un-

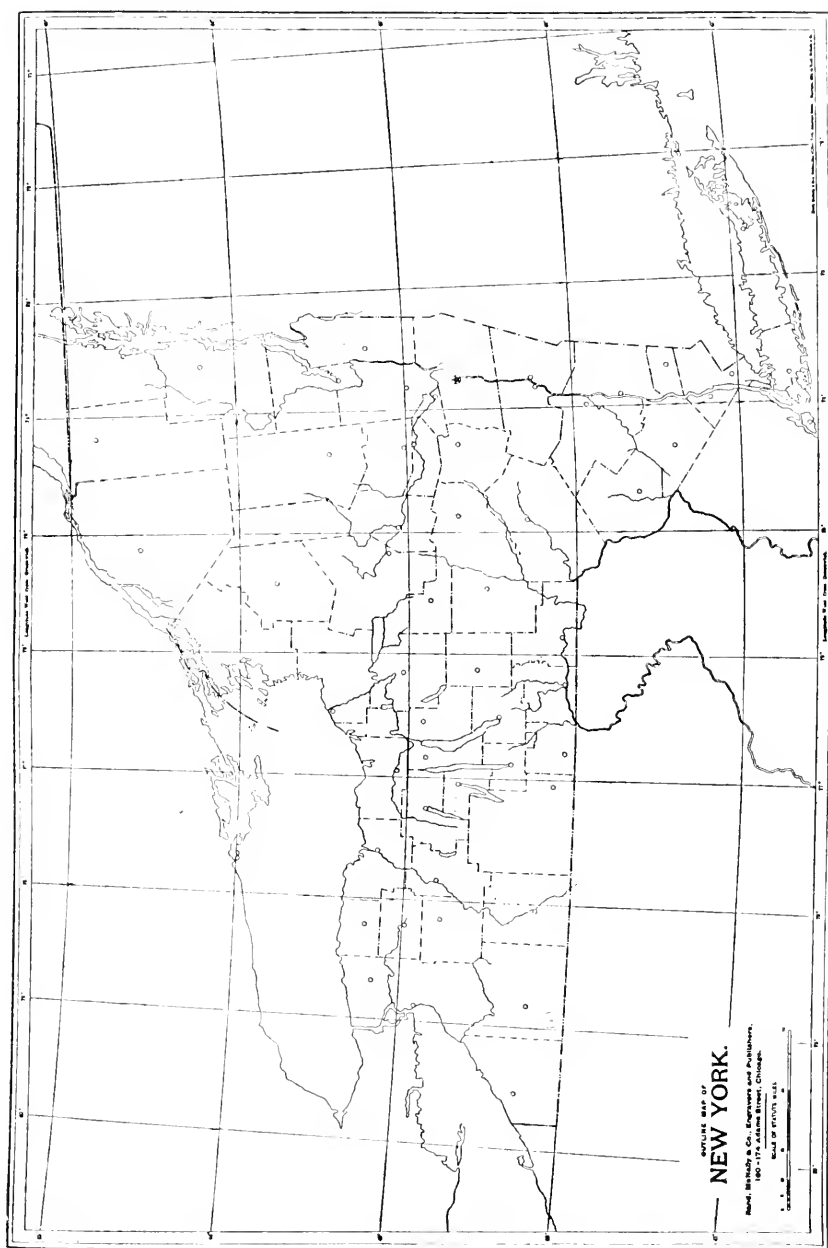
der direction of a central power, thereby making such force available for emergencies such as arise when aphthous fever or other similar diseases make their appearance.

The plan proposed by the Tuberculosis Commission of districting the State and placing a veterinarian in charge of each district, had it been in operation, would have been of great value to the State during this outbreak. With such a plan a more systematic inspection of infected districts would be possible and a better equipped body of employees would be available to be instantly placed where their services were most needed. The difficulty in obtaining sufficient assistance among private practitioners is easily explained, and should not be considered as a reflection upon the profession or upon the responsibilities of the individual to the State. In most cases these men are dependent upon their practice for a livelihood and could not reasonably be expected to sacrifice their business and devote their services to the State at some distant point at a nominal and temporary compensation. It is, therefore, necessary that precautions be taken and plans formulated to provide for the future an organization which will be ready for such emergencies, should they occur.

There will be found in the report further statistics showing in detail the districts where the disease existed, the number of different species of animals killed, together with indemnity values, etc. There is also accompanying a report of the Bureau of Animal Industry showing the number of animals and value of same destroyed in other states during the last outbreak. A comparison of the same with that of New York will show that this State escaped with much less serious expenditure of money and loss of animal life than several other commonwealths.

It should be noted that New York State stood third in number of cattle destroyed, fourth in number of swine destroyed, seventh in total number of animals destroyed, while in total appraised value of animals killed, this State was third.

NOTE.—The statistics obtained from the Bureau of Animal Industry extend to November 5, 1915, while the State statistics are confined to the fiscal year ending September 30, 1915; consequently the statistics from the Federal Government for New York State may not agree exactly with those computed by this Department for the State of New York.



Map of New York, showing extent of contagion: abortion (○); actinomy-
cosis (⊙); septicæmia hæmorrhagica (□); swamp fever quarantine,
solid red.

SWAMP FEVER OR INFECTIOUS ANEMIA

This disease was reported from northeastern New York in 1914, and is still causing more or less loss in equine animals in that district.

Quarantine was placed upon an area which was expected to surround the infection and permanent removal of horses from that district except after proper examination has been forbidden.

The Department is much handicapped by the lack of any curative agent for this disease, and therefore it is impossible to suggest any remedy or efficient means of control. The large sums of money spent in foreign countries and in the western part of this country in the endeavor to find some means of checking the disease or immunizing animals against it seems to render useless further investigation by this Department, which would necessarily be very limited. The supposition is that the infection will recede from year to year and eventually disappear, but if its ravages should become sufficiently important, some means will have to be devised looking toward its control and eradication.

A number of cases of which we have record are set forth below. It will be seen that the infection is apparently less severe than in the past year. This is its usual history in areas where it has been found.

RECOMMENDATIONS

1. Adoption of a system of physical examination of all dairy cattle producing milk to be used raw, with the object of detecting and eliminating individuals undesirable for the production of wholesome milk — this to be used as a supplement to the tuberculin test and not as a substitute for it.

2. Permanent branding or otherwise marking of animals showing positive evidence of infectious disease as the result of a recognized test or examination.

3. Requiring that all milk or whey from public creameries, shipping stations, etc., be pasteurized before return to the producer for feeding young calves or hogs.

4. Reducing appraisal allowance on physical cases of tuberculosis and glanders, and increasing allowance for physically sound but reacting animals.

5. Requiring that all tests for glanders be reported to the Commissioner of Agriculture, as is now required for tuberculosis.

6. Restricting the use of viruses, vaccines, and similar biologic products containing living germs except under proper supervision.

7. Reducing restrictions on reacting cattle, particularly sound appearing individuals, thereby encouraging adoption of Bang system; allowing the use of milk from such animals for feeding calves to be killed under inspection.

8. Provision for State meat inspection service covering all meats for sale to public.

9. Changing the present law passed in 1915 with reference to appraisal of animals killed for foot-and-mouth disease or anthrax. Not advisable that indemnity be allowed for the last-named disease and that allowance for first-named disease should be subject to mutual agreement with the United States Department of Agriculture. Provision should also be made for compensation for property destroyed.

10. Adoption of a dog-licensing law more effectively controlling movements of these animals, thereby decreasing danger from rabies and aiding in sheep-raising industry.

11. Imposing more severe penalty for violation of so-called veal law.

12. Adoption of a system for accredited tuberculosis-free herds, thereby encouraging the raising of animals free from tuberculosis.

13. Considering the advisability of a law requiring the cleaning and disinfection of cars, pens, public stock yards, etc., used in transporting live stock.

14. Adoption of means whereby adequate provision can be made for the prompt payment of indemnities for animals destroyed, thereby reducing expense to the State and reducing interest allowance now necessary.

15. Adoption of a district system of veterinary and agent supervision in controlling diseases of domestic animals, which will require an increase in appropriation for such purpose.

16. Amending the Agricultural Law providing for Federal or State supervision over herds producing certified milk, particularly as regards tuberculin-testing of same.

17. Arranging for application of returns from sale of carcasses and hides of animals killed because of tuberculosis against payment of indemnities or other expenses as may be necessary in control of communicable diseases of animals.

TUBERCULOSIS

COUNTY	NUMBER EXAMINED	NUMBER CON- DEMNED	LOCALIZED	GENE- RALIZED	NUMBER LESIONS FOUND	APPRAISED VALUE	INDEMNITY	RETURNS	BANG SYSTEM	
									Owners	Regular
Oscego.....	1,777	172	133	30	9	\$12,145 00	\$0,186 75	.....	.....	15
Westchester.....	923	141	97	30	8	11,615 00	8,782 50	.....	6	14
Madison.....	855	130	97	16	1	9,378 00	7,100 40	.....	16	5
Erie.....	614	103	62	16	2	6,890 00	5,175 50	.....	23	8
Onondaga.....	647	96	58	9	17	7,140 00	5,823 00	.....	12	21
Orange.....	861	93	70	19	3	7,260 00	5,446 25	.....	1	61
Dutchess.....	1,308	85	59	19	1	5,966 00	4,327 00	.....	6	32
Suffolk.....	526	83	55	24	4	5,514 50	3,978 10	.....	.....	4
Oneida.....	422	73	49	20	.....	4,310 00	3,082 00	.....	4	3
Ulster.....	800	72	42	20	5	4,635 00	3,427 00	.....	.....	16
St. Lawrence.....	541	70	34	17	2	3,850 00	2,800 75	.....	17	8
Columbia.....	426	69	59	8	.....	4,710 00	3,634 75	.....	2	.....
Cortland.....	436	58	35	17	6	5,265 00	3,830 25	.....	.....	1
Broome.....	650	55	48	3	4	3,465 00	2,849 75	.....	.....	20
Greene.....	216	48	40	7	1	2,935 00	2,302 00	.....	.....	1
Clinton.....	265	45	33	11	.....	2,797 00	2,012 50	.....	1	2
Sullivan.....	274	38	27	7	.....	2,460 00	1,795 50	.....	4	1
Rensselaer.....	338	37	28	7	2	2,775 00	2,125 75	.....	.....	3
Chautauque.....	368	34	17	15	1	2,332 00	1,575 50	.....	1	.....
Lewis.....	230	31	28	8	2	2,070 00	1,573 50	.....	1	.....
Tompkins.....	132	13	13	5	.....	1,475 00	1,179 50	.....	8	.....
Cayuga.....	139	29	17	6	1	2,445 00	1,801 50	.....	6	.....
Delaware.....	289	24	17	6	1	1,575 00	1,135 00	.....	.....	.....
Putnam.....	149	23	16	3	4	2,525 00	1,977 50	.....	.....	.....
Saratoga.....	246	23	14	9	.....	1,900 00	1,300 00	.....	.....	3
Genesee.....	86	21	17	2	.....	2,275 00	1,803 50	.....	2	.....
Nassau.....	48	21	10	10	1	1,575 00	1,079 50	.....	.....	.....
Chenango.....	219	20	8	3	.....	1,100 00	806 50	.....	9	.....
Orleans.....	64	18	11	3	.....	1,612 00	1,101 50	.....	.....	1
Jefferson.....	99	16	13	3	.....	1,085 00	803 50	.....	.....	.....
Albany.....	91	12	9	1	1	910 00	727 00	.....	1	.....
Richmond.....	24	10	9	1	.....	750 00	577 50	.....	.....	.....
Schoharie.....	175	10	7	3	.....	700 00	509 50	.....	.....	.....
Cattaraugus.....	476	9	3	3	1	510 00	343 00	.....	2	.....
Rockland.....	186	9	4	5	.....	740 00	463 00	.....	.....	.....

TUBERCULOSIS -- continued

COUNTY	NUMBER EXAMINED	NUMBER CON- DEMNED	LOCALIZED	GENER- ALIZED	NUMBER LESIONS FOUND	APPRAISED VALUE	INDEMNITY	RETURNS	BANG SYSTEM		*
									Owners	Regular	
Steuben.....	133	9	3	5	1	760 00	546 00	.....	.....	.....	.....
Washington.....	65	9	1	.....	.....	75 00	60 00	.....	8	.....	.....
Chemung.....	31	8	4	4	.....	425 00	277 00	.....	.....	.....	1
Essex.....	427	8	.....	7	.....	315 00	174 00	.....	1	.....	6
Franklin.....	187	8	2	6	.....	680 00	403 25	.....	.....	.....	11
Livingston.....	290	7	5	.....	.....	455 00	371 50	.....	2	.....	3
Schuyler.....	54	7	.....	1	.....	125 00	65 00	.....	6	.....	.....
Herkimer.....	124	6	6	.....	.....	355 00	284 00	.....	.....	.....	1
Allegany.....	97	5	1	2	2	575 00	435 00	.....	.....	.....	.....
Queens.....	59	5	3	.....	.....	345 00	231 00	.....	.....	.....	.....
Schenectady.....	31	5	4	1	.....	335 00	245 50	.....	4	.....	.....
Ontario.....	108	4	.....	.....	.....	295 00	236 00	.....	.....	.....	14
Seneca.....	251	4	4	.....	.....	40 00	20 75	.....	3	.....	.....
Tioga.....	17	4	.....	1	.....	215 00	157 00	.....	.....	.....	8
Wayne.....	14	4	3	1	.....	.....	.....	.....	4	.....	.....
Wyoming.....	35	4	.....	.....	.....	75 00	75 00	.....	1	.....	1
Monroe.....	200	2	1	1	1	250 00	162 50	.....	.....	.....	.....
Oswego.....	142	2	1	.....	.....	150 00	138 50	.....	.....	.....	.....
Warren.....	92	2	1	1	.....	55 00	27 50	.....	.....	.....	.....
Niagara.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York.....	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	17,292	1,916	1,277	401	82	\$134,214 50	\$100,355 25	\$53,910 94	156	16	295

Sixty-three of the cattle above referred to were imported animals, two of which reacted.
 * This refers to other animals examined and condemned, but which died or were destroyed without appraisal.

The above statistics relate to animals from approximately 546 herds.

Average appraisal value\$76.26+

Average indemnity57.02+

Percentage rejected11%+

(This percentage figured by excluding number cattle examined and condemned, but which died or were destroyed without appraisal.)

BOVINE TUBERCULOSIS

	FISCAL YEAR 1909-10	FISCAL YEAR 1910-11	FISCAL YEAR 1911-12	FISCAL YEAR 1912-13	FISCAL YEAR 1913-14	FISCAL YEAR 1914-15
Number of cattle examined by the State.....	14,181	17,909	21,421	18,668	18,284	17,292
Number of cattle condemned at such examinations...	3,029 (21%)	2,993 (17%)	4,178 (19%)	2,891 (15%)	2,139 (12%)	1,916 (11%)
Results of post-mortem {	1,635	2,069	2,690	1,949	1,409	1,277
Number of "no lesion" cases (no disease found).....	1,240	824	1,117	581	424	401
Total appraisal value.....	\$155,406 00	\$205,894 60	\$253,313 00	\$191,627 50	\$147,521 50	\$134,214 50
Average appraisal value per head.....	\$51 30	\$68 79	\$64 95	\$73 28	\$77 52	\$76 26
Total indemnity.....	\$114,800 65	\$154,100 43	\$186,965 80	\$146,414 75	\$110,307 55	\$100,355 25
Average indemnity per head.....	\$37 90	\$51 48	\$47 91	\$55 99	\$57 96	\$57 02
Receipts for salable meat and hides.....	\$22,104 37	\$23,881 57	\$34,231 34	\$36,677 73	\$40,649 34	\$53,910 94
Number of cattle examined privately (at owner's expense).....	No record	5,993	12,038	20,545	23,815	21,863
Number of cattle rejected at such examinations.....	"	425	473	528	896	729
Number of reacting cattle held by owners for experiment.....	"	No record	278	276	236	156
Number of reacting cattle held by the State for experiment.....	"	"	179	407	179	16
Total number of cattle examined.....	"	23,902	33,459	39,213	42,099	39,155 (24%)
Total number of cattle rejected.....	"	3,418 (14%)	4,651 (14%)	3,419 (9%)	3,035 (7%)	2,645 (7%)

[illegible]

* This refers to other animals examined and condemned but which died or were destroyed without appraisal.

Average appraisal value	\$89.74+
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Average indemnity	66.78
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Per cent rejected	54%
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Of the above 94 were imported horses.

GLANDERS

	FISCAL YEAR 1909-10	FISCAL YEAR 1910-11	FISCAL YEAR 1911-12	FISCAL YEAR 1912-13	FISCAL YEAR 1913-14	FISCAL YEAR 1914-15
Number of horses and other equine animals con- demned because of glanders.....	743	1,401	1,631	1,640	1,608	1,198
Results { Number of cases of clinical glanders.....	618 (83%)	1,140 (81%)	1,140 (79%)	1,217 (74%)	1,217 (42%)	305 (25%)
Number of post-mortem cases (no disease found).....	125	238	329	419	927	890
Total appraisal value.....	\$68,198 00	\$140,302 50	\$160,801 00	\$159,047 50	\$165,432 00	\$107,505 00
Average appraisal value per head.....	\$91 78	\$100 14	\$98 59	\$96 98	\$102 88	\$89 74
Total indemnity.....	\$38,539 05	\$78,776 75	\$90,801 30	\$92,747 50	\$113,564 50	\$80,005 00
Average indemnity per head.....	\$51 86	\$56 22	\$65 11	\$56 05	\$70 62	\$66 78

FOOT-AND-MOUTH DISEASE

COUNTY	LIST OF QUARANTINES PLACED*
Albany,	Colonie Township and Cohoes, Watervliet and Albany Cities.
Broome,	Entire County.
Cayuga,	Summerhill and Locke Townships.
Cortland,	Cortlandville and Homer Townships.
Genesee,	Byron, Bergen, Stafford and LeRoy Townships.
Eric,	Entire County.
Fulton,	Oppenheim Township.
Herkimer,	Manheim, Danube, and Little Falls Townships and Little Falls City, Schuyler and Frankfort Townships.
Jefferson,	Entire County. No foot and mouth disease in county, quarantine placed as precautionary measure at request of citizens.
Kings,	Entire County.
Lewis,	Entire County. No foot and mouth disease in county, quarantine placed as precautionary measure at request of citizens.
Monroe,	Penfield Township.
Montgomery,	St. Johnsville and Mohawk Townships.
Nassau,	Entire County.
Oneida,	New Hartford, Deerfield, Marcy and Whitestown Townships, and Utica City.
Onondaga,	Entire County.
Oswego,	West Monroe, Hastings, Constantia, Amboy, Parish, and Schroeppe Townships.
Queens,	Entire County.
Rensselaer,	Entire County.
St. Lawrence,	Entire County. No foot and mouth disease in county; quarantine placed as precautionary measure at request of citizens.
Seneca,	Entire County.
Steuben,	Hornell City and Townships of Hornellsville, Canisteo, Hartsville, Howard, West Union, Jasper, Troupsburg, and Greenwood.
Tioga,	Entire County.
Tompkins,	Groton, Lansing, and Dryden Townships.
Wayne,	Entire County.
Westchester,	Eastchester, Greenburg, Harrison, Mamaroneck, Mt. Vernon, New Rochelle, Rye, Scarsdale, White Plains, Yonkers, Pelham, and Westchester Townships.

Total number of quarantines placed, 20.

Note: For foot and mouth statistics as to number and kinds of animals destroyed because of foot and mouth disease, expenditures for indemnity, damages, etc., see separate sheet.

*All of these quarantines have been cancelled.

RABIES

LIST OF QUARANTINES PLACED, INDIVIDUAL QUARANTINES, DEATHS, ETC.

COUNTY	
Albany	*Colonie Town, including Watervliet and Cohoes Cities.
"	*Guilderland Town.
Cattaraugus	*Olean Town and City; two individual quarantines laid and raised.
Chenango	Three individual quarantines laid and raised.
"	Norwich Town and City; ten individual quarantines laid; seven raised.
Erie	*Aurora Town; ten individual quarantines laid and raised.
Fulton	Ephratah Town.
Genesee	*Pavilion Town; one cow and two hogs died.
Herkimer	*Frankfort and German Flats Towns; one individual quarantine laid and raised.
"	*Herkimer Town; one individual quarantine laid and raised; one cow died.
Jefferson	*Wilna and Champion Towns.
Lewis	*Denmark and Croghan Towns.
Madison	*Oneida City and Stockbridge Town; four individual quarantines laid and raised.
"	*Fenner Town; two individual quarantines laid and raised.
"	*Madison Town.
Montgomery	One individual quarantine laid.
"	Mohawk Town; seven individual quarantines laid; five raised.
Oneida	*Kirkland Town.
"	*Floyd and Marcy Towns; seven sheep died.
"	*Paris and Bridgewater Towns.
"	*New Hartford and Sangerfield Towns; four individual quarantines laid and raised.
"	*Augusta and Marshall Towns.
"	*Vernon Town; one cow died.
"	*Entire County; cow and several hogs died.
Onondaga	*Camillus Town.
"	*Onondaga Town.
"	*DeWitt Town.
Orange	*Montgomery Town; one cow died.
"	*Highlands Town.
Queens	One individual quarantine laid.
Saratoga	*Galway Town; five individual quarantines laid; three raised.
"	*Corinth Town; fourteen individual quarantines laid and raised.
"	*Milton Town; two individual quarantines laid.
"	Northumberland Town; five individual quarantines laid, two raised; two cows died.
"	Moreau Town.
Schenectady	Schenectady City and Niskayuna Town.
"	One calf died outside quarantined district.
Tompkins	*Ithaca Town and City.

Wayne	*Arcadia Town.
Washington	Cambridge, Jackson and White Creek Towns; nineteen individual quarantines laid; six raised; several cattle died.
"	Greenwich and Salem Towns; one cow died.
Wyoming	*Arcade Town.

Fines for dogs redeemed \$690.00.

*Quarantine raised.

Total general quarantines placed.....	35
(In some cases several towns were quarantined under one order.)	
Total individual quarantines placed.....	91
Approx. number of deaths in domestic animals (exclusive of dogs)....	22

ANTHRAX

COUNTY	NO. OF OUTBREAKS	APPROXIMATE NO. VACCINATED	APPROXIMATE NO. DEATHS
Oneida	7	299	26
Cattaraugus	7	127	18
Delaware	3	49	9
Herkimer	2	36	8
St. Lawrence.....	6	245	8
Chautauqua	6	129	7
Lewis	1	36	6
Saratoga	2	145	5
Cayuga	1	43	4
Washington	1	15	4
Sullivan	1	31	4
Monroe	1	7	3
Chenango	1	30	1
Fulton	1	16	1
Clinton	2	47	
Otsego	1	22	
Oswego	1	20	
	44	1297	104

BLACKLEG

COUNTY	NO. OF OUTBREAKS	APPROXIMATE NO. VACCINATED	APPROXIMATE NO. DEATHS
Chautauqua	12	230	30
Chenango	7	241	23
St. Lawrence.....	9	245	17
Cattaraugus	5	70	16
Jefferson	3	73	15
Sullivan	3	75	9
Wyoming	1	6	4
Otsego	2	13	4
Oswego	3	36	4
Broome	2	42	3
Franklin	1	68	2
Oneida	1	52	7
Madison	1	10	3
Ulster		7	
Fulton		9	
Clinton		22	
	50	1199	137

HOG CHOLERA AND OTHER INFECTIOUS OR CONTAGIOUS SWINE DISEASES

COUNTY	NO. OF OUTBREAKS*	APPROXIMATE NO. EXAMINED	APPROXIMATE NO. DEATHS
Genesee	1	293	177
Onondaga	3	220	147
Erie	3	107	79
Monroe	2	24	46
Ontario	3	82	42
Chenango	1	3	41
Warren	1	85	39
Greene	2	22	31
Livingston	2	178	26
Cayuga	1	21	24
Oswego	1	12	18
Broome	1	700	20
Herkimer	1	27	20
Delaware	1	51	16
Columbia	2	13	15
Suffolk	2	52	12
Seneca	1	493	12
Otsego	1	11	10
Saratoga	1	5	10
Richmond	1	214	8
Oneida	1	5	6
Tioga	1	18	6
Nassau	1	15	5
Sullivan	1	4	3
Wayne	1	18	1
Westchester	1	27	
Total	37	2710	814

*Anti-hog cholera serum used in most of these outbreaks.

MISCELLANEOUS DISEASES

CONTAGIOUS ABORTION

County.	
Washington	One herd affected.
Saratoga	One herd affected.

ACTINOMYCOSIS

Wayne	One cow affected.
Cattaraugus	Two cows affected
Yates	One cow affected.

SEPTICAEMIA HAEMORRHAGICA

St. Lawrence	Four deaths.
Schoharie	One death.

SWAMP FEVER OR INFECTIOUS ANEMIA

St. Lawrence) Approximate number of deaths between 75 and 100 horses. (Quarantined for above disease Townships Massena and Brasher, St. Lawrence County; and Townships Fort Covington and Bombay, including the St. Regis Indian Reservation, Franklin County.
Franklin	

Approximate number of cattle brought in from outside the State.... 2275
(Of the above 945 were tested at destination in this State, the remainder being accompanied by satisfactory health certificates from the State of origin.)

Approximate number of cattle brought in from outside the State and released	2204
Approximate number of cattle tested at Buffalo	2503
" " reacted	43
" " of cattle remaining in State	1581
Approximate number of cattle tested privately	21863
" " reacted	729
" " suspicious	105
Approximate number of horses brought in from outside the State, including those recorded in files of New York City office	4326
(3812 of those brought in were tested at destination in this State, the remainder being accompanied by satisfactory health certificates from the State of origin.)	
Approximate number of horses released	4260

REPORT OF ANIMALS SLAUGHTERED, AND STATISTICS

ERADICATION OF FOOT AND MOUTH DISEASE, 1914-15

To July 15, 1915

STATE	HERDS	CATTLE	SWINE	SHEEP	GOATS	TOTAL NUMBER OF ANIMALS	TOTAL APPRAISED VALUE	NUMBER OF COUNTIES
Connecticut	33	733	143	0	0	876	\$ 48,366	10
Delaware	12	152	49	22	0	223	8,067	76
District of Columbia . .	3	48	5	0	0	53	3,207	00
Illinois	1,157	30,064	42,978	1,684	44	74,779	2,465,826	11
Indiana	121	2,363	3,912	615	0	6,841	178,552	75
Iowa	48	1,547	2,334	32	0	3,913	125,277	38
Kansas	6	1,217	313	0	0	1,530	78,921	98
Kentucky	84	2,951	918	216	1	4,086	134,260	00
Maryland	56	964	1,621	197	0	2,782	64,207	34
Massachusetts	99	2,119	5,705	77	11	7,900	230,768	13
Michigan	273	2,947	4,012	852	0	7,792	210,175	84
Montana	32	1,408	11	237	0	1,655	67,492	70
New Hampshire	3	78	23	0	0	104	4,959	50
New Jersey	50	1,314	815	9	8	2,146	123,006	88
Ohio	222	5,454	4,994	3,136	1	12,150	363,100	41
Pennsylvania	904	11,989	12,055	369	17	27,430	934,197	61
Rhode Island	59	988	375	33	0	1,396	68,950	50
Virginia	8	378	470	0	0	848	26,052	60
Washington	1	102	0	0	0	102	4,050	00
West Virginia	22	193	189	114	0	496	12,813	16
Wisconsin	40	1,504	1,761	1,435	1	4,704	119,153	08

ANIMALS AND PROPERTY DESTROYED ON ACCOUNT OF FOOT AND MOUTH DISEASE

NUMBER OF FARMS INFECTED	COUNTY	CATTLE			SWINE			SHEEP			GOATS			PROPERTY DAMAGES	TOTAL INDEMNITY	SALVAGE RETAINED BY OWNERS
		NUM-BER	APPRAISED VALUE	NUM-BER	APPRAISED VALUE	NUM-BER	APPRAISED VALUE	NUM-BER	APPRAISED VALUE	NUM-BER	APPRAISED VALUE					
1	Albany.....	7	\$605 00	99	..	..	\$825 00	5	\$10 00	..	..	..	..	\$631 00	\$494 75	\$110 25
17	Broome.....	333	20,150 50	3	..	..	69 00	..	..	..	..	..	..	60 00	21,946 50	..
2	Cayuga.....	24	1,800 00	111	..	..	1,137 00	21	155 00	..	..	..	..	210 66	1,929 00	..
22	Erle.....	191	12,878 50	31	..	..	492 50	50	303 00	..	..	..	..	23 20	14,401 16	*40 70
2	Genesee.....	24	1,460 00	..	..	..	..	..	..	..	..	..	..	75 00	2,065 66	213 04
1	Herkimer.....	25	1,578 00	..	..	..	..	..	..	..	..	..	..	1,090 00	1,653 00	..
17	Kings.....	990	\$7,955 00	3	..	..	115 00	..	..	..	..	..	..	15 00	89,054 00	*12,980 29
2	Montroe.....	46	2,865 00	4	..	..	45 00	..	..	..	..	..	..	50 00	2,995 00	..
1	Montgomery.....	18	745 00	..	..	..	..	..	..	..	..	..	..	207 50	840 00	..
2	Nassau.....	112	8,860 00	..	..	..	..	..	..	..	..	..	..	315 00	9,097 50	..
1	New York.....	..	..	..	..	..	..	..	..	..	..	..	..	143 76	1,080 26	..
3	Oneida.....	18	770 00	9	..	..	159 00	1	7 50	..	..	..	..	498 37	79,925 37	..
29	Ontario.....	728	78,283 50	55	..	..	1,143 50	..	..	..	..	..	..	360 85	14,622 85	..
11	Oswego.....	202	14,135 00	15	..	..	127 00	..	..	..	..	..	..	2,698 05	155,864 05	*12,560 86
31	Queens.....	1,899	152,956 00	..	..	..	..	..	..	..	..	..	..	618 25	18,718 55	..
16	Rensselaer.....	289	17,106 00	61	..	..	746 80	39	217 50	..	..	..	..	62 50	3,521 50	..
2	Saratoga.....	49	2,835 00	45	..	..	614 00	1	10 00	..	..	..	..	142 00	4,509 50	..
7	Steuben.....	44	3,140 00	131	..	..	1,227 50	..	..	..	..	..	..	85 00	3,912 50	..
2	Tioga.....	39	3,795 00	7	..	..	62 50	..	..	..	..	..	..	68 00	2,691 00	..
2	Tompkins.....	48	5,562 50	5	..	..	60 50	..	..	..	..	..	..	93 00	10,856 00	..
3	Waveren.....	226	10,170 00	31	..	..	367 00	33	226 00	..	..	..	..	528 62	13,866 62	..
5	Wayne.....	182	13,278 00	12	..	..	60 00	..	..	..	..	..	..	..	3,442 45	10,717 30
4	Westchester.....	298	14,159 75	..	..	..	..	..	..	..	..	..	..	..	..	..
..	E. Buffalo Stock Yds	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
181		5,792	\$452,387 75	632	\$7,271 30	150	\$989 00	38	\$210 00		\$457,802 22	\$36,622 44				

* Paid direct to State Treasurer.

REPORT OF THE BUREAU OF HORTICULTURE

By GEORGE G. ATWOOD, *Chief of Bureau*

INTRODUCTION

The duties of those engaged in the work of the bureau increase in importance from year to year, and the care and responsibility resting upon inspectors are constantly increasing because of the new problems that arise and the improved methods that develop in the control of insect pests and plant diseases.

During the year we have spared no effort in endeavoring to eradicate the outbreak of gipsy moth in Westchester county. We have also made a thorough scouting of the eastern end of Long Island for the purpose of eradicating the outbreak of brown-tail moths which appeared there in small numbers a year ago.

The discovery last year of the location at eight points in the State where the imported pine-shoot moth, *Evetria buoliana*, was found in our pines, made it necessary to see that the insects in these separate colonies were carefully sought out and destroyed. The possibility that this insect might be located in other sections of the State has also received considerable attention by the examination of pine trees imported within the last few years.

In addition to these comparatively new problems we have increased our efforts and improved our methods in our attempt to control the San Jose scale, and other horticultural pests. Insects and diseases in the orchards were given attention, particularly the obscure diseases of the peach.

Throughout the spring and fall seasons we examined, so far as possible, the shipment of nursery stock coming into the state. The usefulness of this method of examining these shipments has been proved by the discovery from time to time of the gipsy moth and the brown-tail moth, blister rust of the pine, and other minor or important insects and diseases frequently found in shipments of nursery stock from other states and from abroad.

The quarantine in the countries of Clinton and Franklin, because of the powdery scab, was carried on throughout the early part of the year, until such time as the Federal Government raised the quarantine on interstate shipments.

Particular attention has been given to the enforcement of the new apple grading law, and our usual work has been carried on for the suppression of diseases among bees.

The year's work has been interesting and useful, especially in the field of cooperation with the Federal Government and with State institutions. The work in Westchester county in co-operation with the Federal Government, under the supervision of Mr. L. H. Worthley, who has had many years' experience in handling moth problems, has made it possible to congratulate ourselves that the work in that county is practically done, and that no gipsy moths are to be found in the State of New York. This, however, will be determined after the Federal Government completes its scouting over the territory during the present winter. It has been our pleasure to carry on cooperative work for the control of the blister rust of the pine with the Conservation Commission, under the supervision of Mr. Pettis, and valuable assistance has been rendered by Dr. Rankin of the State College of Agriculture.

The outbreak of elm leaf-beetles in new territory in Ontario county has been cared for in cooperation with Professor Parrott of the Agricultural Experiment Station, Geneva. Other work carried on with Professor Parrott has been the investigation of sinuate pear borer.

Cooperative work has also been done with Mr. H. C. Sands, pathologist of this Department on the potato problems, including diseases and quarantine, and with Dr. Barrus of the State College and Professor Stewart of the Experiment Station.

Cooperative work has also been done in the study of the codling moth in western New York under the care of Dr. Felt, State Entomologist.

Other courtesies extended to this Bureau should be acknowledged by saying that we have had cordial assistance from the State College of Agriculture, the State College of Forestry at Syracuse, the Bureaus of the Department of Agriculture in Washington, and from our Experiment Stations. The intent has been to have

the latest and best information obtainable, when the question of the application of the law to the problems considered came up for attention.

Details of the different phases of our work may be seen by the following discussions and statements under respective headings.

NURSERY INSPECTION

The inspection of nursery stock for the purpose of keeping the nurseries free from San Jose scale and other insect pests, and also free from deleterious plant diseases; and for the further purpose of giving to the nurserymen certificates of inspection to attach to their shipments, has been carried on under sections of the Agricultural Law which have not been recently amended. A few nurseries in some sections of the State became infested with San Jose scale, due for the most part to the proximity of old orchard trees that were infested. Orders were served on a large number of the owners of these orchards, requiring that the trees be thoroughly freed from this pest. The effect of the work has been quite satisfactory. It is deemed necessary that nursery stock, when shipped out under the certificate of inspection issued by the Department, be absolutely free from deleterious insect pests and plant diseases. Thirty-five blocks of trees were found infested to some extent with San Jose scale, and a formal notice was served on the owners of the trees. It is believed that this method will prove an effective way of controlling the pest. Copy of the notice and circular letter follows:

STATE OF NEW YORK
DEPARTMENT OF AGRICULTURE
Albany

.....1915.

.....

Sir: An examination of your nursery stock shows the following condition to exist, viz.:.....

.....

are infested to such an extent with San Jose scale that it would be unsafe to sell any of the trees following the customary inspection of former years. You are therefore hereby ordered to fumigate with hydrocyanic acid gas any trees taken from said block during the fall of 1915 and spring of 1916, and following such fumigation they must be dipped in a solution of lime sulphur,

1 to 8, or scalecide, 1 to 15, this to be done under the direction of a nursery inspector. Following such treatment the stock must be held until an inspector can determine the effect of the treatment. Should the inspector find that the scale has all apparently been killed, he shall give to the owner a statement in writing setting forth such fact.

.....
Commissioner of Agriculture.

.....
Inspector.

STATE OF NEW YORK }
 } ss.:
COUNTY OF }

I,, being duly sworn, depose and say that a true copy of the notice as shown above was by me personally served upon and delivered to the reputed owner or part owner of the above described premises, on the day of

Subscribed and sworn to before me,
this day of

STATE OF NEW YORK—DEPARTMENT OF AGRICULTURE

Albany, N. Y., AUGUST 4, 1915.

To nurserymen who own valuable trees that are slightly infested by San Jose scale:

The Department of Agriculture rules that no trees bearing live San Jose scale can be shipped under the certificates issued. It is believed that when proper treatment is given to certain trees that many of them can be saved and that trees so treated are safe to plant in many portions of the State where spraying is generally practiced. I have therefore to suggest that if nurserymen have such trees and they are willing to treat them as required, very thoroughly and under the supervision of inspectors of this Department, it may be done. If treatment is given under such conditions it must be done in season so that sufficient time passes after treatment and before final inspection for an inspector to determine whether the treatment has been successful, before he will be allowed to release the trees.

Prof. Parrott of the Experiment Station at Geneva, under date of July 30th, 1915, makes the following recommendations:

1. A careful inspection of nursery plantations to determine their conditions with respect to the San Jose scale.

2. Plantings showing infestation with the San Jose scale should be sprayed immediately. If the infestation is confined solely to the trunks apply lime-sulphur solution at the rate of one gallon to eight or twelve gallons of water; or miscible oil (Scalecide) one gallon to twenty gallons of water. If apples are generally infested spray entire plants with lime-sulphur, making applications when plants are dry, and avoiding hot, glaring days for making treatments. Nurserymen should be advised that under some conditions slight injuries may occur to apple foliage, but the damage generally will not be important. Even so, the loss will be less than if scale is neglected and nursery-

men are compelled to submit to the usual cutting out of affected trees. For treatment of tops of other varieties of fruits would advise lime-sulphur 1 to 12, applied with brushes to bases of branches, or by knapsack sprayers in the hands of careful operators.

3. In every case would advise repetition of above treatment when inspectors discover living scales on the trees.

4. No trees infested with even small numbers of the scale should be shipped out until either carefully fumigated or dipped in miscible oil 1-15 or 1-20, or given both treatments if conditions warrant the employment of extreme measures.

If you have any such blocks of trees and are willing to undertake thorough treatment to save them, please advise.

Yours respectfully,

GEO. G. ATWOOD,

Chief, Bureau of Horticulture.

The following is a list of the nurserymen in the State of New York who received certificates of inspection for the year ending September 1, 1915:

LIST OF NURSERYMEN IN THE STATE OF NEW YORK WHO RECEIVED CERTIFICATES OF INSPECTION FOR THE YEAR ENDING SEPTEMBER 1, 1915.

Acomb, D. G., Estate, Dansville.	Bogue, Henry A., Medina.
Adams, Gordon, Bluff Point, R. D. 11.	Bogue, Nelson, Batavia.
Adams, Wm. W., Union Springs.	Boldt, Geo. C., Alexandria Bay.
Allen Nursery Co., Rochester.	Bott, Frank, 38 Wadsworth St., Geneva.
Amawalk Nursery, Amawalk.	Bowman, T. W., & Son, Nursery Co., Rochester.
Ammann, Charles, Yonkers.	Boyd, C. A., Delevan.
Arcadia Rose Company, Newark.	Briarcliff Realty Co., Briarcliff.
Babcock, B. G., Jamestown, R. D. 80.	Brooklyn Cooperage Company, St. Regis Falls.
Bacon Brothers, Canandaigua.	Brooks, J. R., Oxford.
Bacon, Edward, Dansville.	Brow, F. W., Nursery Co., Rose Hill.
Baker, Bert, Hoosick Falls.	Brown Brothers Company, Rochester.
Baldwin Harbor Nursery, Baldwin.	Brown, E. Stanley, East Moriches.
Ballard, Geo. M. S., Oneida.	Brown, Lewis, Bluff Point, R. D. 11.
Banker, Daniel G., Dansville.	Bryant Brothers, Dansville.
Bantleman, H. L., Yonkers.	Bryant, L. J., & Son, Newark.
Baratier, S. R., Hastings.	Bryant, W. C., Dansville.
Barber, George F., Nunda.	Bucham, Charles, Stanley.
Bauer, William H., Manorville.	Buckley, Maurice, Geneva.
Beck, Fred, Hillsdale.	Burger, F. D., Branchport.
Bell, Charles, Troy.	Burgen, John, Little Falls.
Bell, J. J., Seed Co., Deposit.	Burgevin, Paul J., Port Chester.
Bell, J. W., Portland.	Burghart, George, Hastings.
Bell, Robert, Troy.	Burke, Dr. J. H., Dansville.
Bellis, A. J., Dansville.	Burnes, James J., Geneva.
Bellis, D. A., Penn Yan.	Burnett, F. J., Webster.
Bellis, H. J., Penn Yan.	Burnett, Mrs. Mary, Webster.
Bellows, G. Leonard, Good Ground.	Burns, James, St. Clair St., Geneva.
Benning, H. H., Clyde.	Burns, S. T., Alton.
Benson, Walter, Hastings.	Burfend, John R., & Son, Hartsdale.
Benzenburg, Jacob, Brant.	Burt, William D., Dalton.
Bergen, C. J., 2210 Ave. G, Brooklyn.	Butman, Olin, Hastings.
Bernard, John, Brighton.	
Billings & Billings, Webster.	Callahan, E. E., Corning, R. D. 5.
Bingham, E. M., Penn Yan, R. D. 5.	Carney, Walter, Dansville.
Birmingham, Thomas, New Rochelle.	Carney, W. S., Dansville.
Blakeman, C. F., Moss St., Hudson Falls.	Carpenter, A. D., Cohoes.
Blodgett, F. H., Pulteney.	Carragher, Matthew, Geneva.
Bloodgood Nurseries, Flushing.	Case, Wm. J., Irondequoit.
Blount, A. G., Hastings.	Cass, W. & T., Geneva.
Bogart, William, Marion.	Castner, E. B., Penn Yan, R. D. 2.
Bogue, Dewane, Medina.	

Central New York Nurseries, Geneva.
 Charlton Nursery Co., Rochester.
 Charlton, John & Sons, Rochester.
 Chase Bros. Co., Rochester.
 Chase, Chas. H., Rochester.
 Chase Co., The R. G., Geneva.
 Chase, George H., & Co. (Malden, Mass.),
 Geneva.
 Chase, Homer N., & Co. (Auburn, Me.),
 Geneva.
 Chase Nurseries, The, Geneva.
 Childs, John Lewis, Floral Park.
 Chism, Chas. J., 1190 Park Ave., Roch-
 ester.
 Christian Brothers, Dansville.
 Clark, A. W., 1729 Union St., Schenec-
 tady.
 Clark, Samuel J., Mt. Vernon.
 Clark Nursery Co., The, Waterloo.
 Clifton, L. J., Memphis.
 Cline, W. J., 118 Vassar St., Rochester.
 Cobb, W. F., & Co. (Franklin, Mass.),
 Geneva.
 Colvin, E. L., Fredonia.
 Comar, J. F., Dansville.
 Conservation Commission, Albany.
 Cooke, John M., Tarrytown.
 Cooley, J. S., Groveland.
 Coon, O. A., Nevis.
 Coop, Allen, Hastings.
 Cooper, E. J., Chemung, R. D. 1.
 Cooper, George L., Lyndonville.
 Cooper, Irwin, Geneva, R. D. 3.
 Cooper, Samuel, Delevan.
 Cornell, Edmund W., Clinton Corners.
 Cosgrove, Wm. & Cornelius, 10 Universal
 Ave., Geneva.
 Costich, Andrew, Irondequoit.
 Costich, Edward, Irondequoit.
 Costich, Gilbert, Rochester.
 Costich, Sopherine, Irondequoit.
 Cottage Gardens Co., Inc., Queens.
 Cottam, Geo. W., Tuckahoe.
 Couch, Charles, Schoharie.
 Crandell H. L., 32 Warren St., Glens
 Falls.
 Crane, Merritt, Clay.
 Crosby, Fred, Penn Yan, R. D. 2.
 Culbertson & Byron, Dansville.
 Culbertson, Fred, Dansville.
 Culver, Howard T., East Quogue.
 Cummings, W. D., Fullers.
 Curtis, Charles G., Callicoon.
 Curry, Charles, Dansville.

Danker, Fred A., Albany.
 Dansville Nursery Co., Dansville.
 Deady, George L., North Rose.
 Deaveney, John, Geneva, R. D. 2.
 De Floo, Henry, Brighton.
 DeMell, Harry, Geneva, R. D. 1.
 Denton, Williams & Denton, Dansville.
 Dewitt, Glen, Penn Yan, R. D. 5.
 Dey, Clarence A., East Palmyra.
 Dick, W. H., Dansville.
 Dickinson, J. M., Spencerport.
 Dildine, S. H., Union Springs.
 Dimon, Mrs. R. J., Hastings.
 Donnell, A. L., Mexico.
 Doubleday, Page & Co., Garden City.
 Dougherty & Lake, Groveland.
 Driesbach, J. J., Dansville.
 Dryer, Wm. C., Elba.
 DuFloo, John Roscoe, Sodus.
 Dummett, Arthur, Inc., Mt. Vernon.
 Dutweiler, John, Westbury.
 Dwyer, John E., Geneva.
 Dwyer, T. J., & Co., Cornwall.

Eaton, George, Bath, R. D. 4.
 Eberle, Frederick, Albany.

Edgemont Nurseries, Tarrytown.
 Edwards, Arthur (care Thomas J.
 Maney), Geneva.
 Edwards, John, Dansville.
 Ellis, E. E., Hamlin.
 Ellwanger & Barry, Rochester.
 Ellwanger, W. G., Rochester.
 Emmons & Co., Newark.
 Empie, Edgar, Sharon Springs.
 Empie, Ford M., Seward.
 Empie, Louis M., Johnstown.
 Empire Nursery Co., Geneva.
 Empire State Nursery Co., Waterloo.
 Engert, J. A., Webster.
 Enzie, C. W., Dansville.
 Erickson, Oscar, Geneva.
 Eschrich, Wm., Dansville.

Faerber, Jacob, Brighton.
 Fairfield, John W., Middlesex.
 Fairview Seed Farms, Inc., Syracuse.
 Fairview Nurseries, The, Rochester.
 Farmer, L. J., Pulaski.
 Ferris, Dean, Peekskill.
 Ferris, Wm. A., Hastings.
 Fiddler, J. E., Hastings.
 Fillmore, F. W., & Son, 44 Conklin Ave.,
 Binghamton.
 Finn's Wholesale Nurseries, John W.,
 Dansville.
 First National Nurseries, Rochester.
 Flory, Howard C., Dansville.
 Flushing Nurseries, Inc., Flushing.
 Folger, John J., Rockville Center.
 Foord, Joseph, Auburn.
 Foote, Joseph J., Dansville.
 Ford, Ellsworth, Rye.
 Ford, J. S., Pittsford.
 Fordon, G. F., & Son, Geneva.
 Forsythe & Vanauken, Dansville.
 Foster-Cooke Nursery Co., Fredonia.
 Foster, Emery B., Babylon.
 Fowler, A. W., Brockport.
 Fox, O. E., Parish.
 Franke, Richard, Farmingdale.
 Frankenbach, Charles E., & Sons, South-
 ampton.
 Fraser, Samuel, Geneseo.
 Frasier, S. F., East Rockaway.
 Fruit Growers' Nurseries, Newark.
 Fry, John, Hastings.

Garden City Company, The, Garden City.
 Garden City Estates, Garden City.
 Garlick, W. H., Camden.
 Gaughn, Patrick, Dansville.
 Geisler, John, Geneva.
 Genesee Valley Nursery, Dansville.
 George, D. S., Penfield.
 George, James I., Penfield.
 George, Julian, Hastings.
 Gessner, J. H., Dansville.
 Giffin, J. R. (Philadelphia, Pa.), Newark.
 Gilbert, J., Dansville.
 Gleason, Michael, New Rochelle.
 Gleason, Patrick, 139 Drake Ave., New
 Rochelle.
 Gleavey, George, Bluff Point.
 Glen Brothers, Inc., Rochester.
 Globe Nursery, Geneva.
 Glynn, P. H., Geneva.
 Goldring, P., Slingerlands.
 Goldsmith, E. F., Irving.
 Goodrich, Elmer, Middlesex.
 Goodwin, Robert, Dansville.
 Gottwold, Otto, Sayville.
 Gould, W. M., Merrifield.
 Graham Nursery Co., Rochester.
 Graney, William G., Geneva.
 Green, O. D., Syracuse.

Griesa Mt. Hope Nurseries, The, North Cohocton.
 Griffith, R. B., Fredonia.
 Grittmann, Frederick S., Lynbrook.
 Groveland Nurseries, Groveland.
 Grover, Frederic E., & Co., Rochester.
 Grover Nursery Co., Rochester.
 Gurnsey, F. A., & Co., Schoharie.
 Gurney, H. H., & Co. (Auburn, Me.), Geneva.

Haddington Nursery Co., East Williston.
 Hahn, R. F., Cornwall.
 Hall, L. W., Co., Inc., Rochester.
 Hallock, J. H., Penn Yan, R. D. 5.
 Halsey, A. E., Hastings.
 Hansen, Henry, Catskill.
 Harman Nursery Co., The M. H., Inc., Geneva.
 Harris, S. G., Tarrytown.
 Harrison, W. H., & Sons, Lebanon Springs.
 Hart & Scott, Penn Yan, R. D. 5.
 Hart, William, Arlington.
 Harter, Floyd, Dansville.
 Hartman, Albert, Dansville.
 Hartman, Frank M., Dansville.
 Hartman, N. W., Dansville.
 Hartman, W. H., & Son, Dansville.
 Hart's Lynbrook Nursery, Lynbrook.
 Hassman, Wm. F., Dansville.
 Hatcher, J. C., 50 East Main St., Amsterdam.
 Haviland, Wm. J., Marlborough.
 Hawks Nursery Co., Rochester.
 Heberle Bros., Brighton.
 Heberle, T. W., Irondequoit.
 Heindol, Charles, Rochester.
 Hempstead Plains Co., Garden City.
 Henkes Bros., Watervliet, R. D.
 Henry, D. H., Geneva.
 Hepworth, J. A., Milton.
 Herrick, Frank J., Dansville.
 Herrick Seed Co., Rochester.
 Hibbswieler, Mrs. Louisa B., Lockport.
 Hicks, Isaac, & Son, Westbury.
 Higgins, W. D., Eleventh Ave., White-stone.
 Higgins & Wildey, Dansville.
 Hill, Henry P., Culver Road, Rochester.
 Hill, Robert, West Webster.
 Hill, W. H., Hilton.
 Hoag, Frank C., West Coxsackie.
 Hoag, J. B., 30 Maple Ave., Troy.
 Hoffman, H. N., 603 Hoffman St., Elmira.
 Hollingsworth, A. L., Pultneyville.
 Home Nursery Co., Rome.
 Home Planters' Association, The, Rochester.
 Hooker Brothers, Rochester.
 Hooker, C. M., & Sons, Rochester.
 Hornell Nursery Co., Hornell, R. D. 5.
 Howe, W. S., Dansville.
 Hubbard, T. S., Co., Fredonia.
 Huerlander, B. J., Tuckahoe.
 Hughes Brothers, Dansville.
 Hughes, Robert E., 633 E. Utica St., Buffalo.
 Humeston & Bradley, Newark.
 Hull, W. P., Carthage.
 Huver, A. J., Dansville.
 Huver, J. F., Geneseo.
 Hyatt, Chester A., Croton-on-Hudson.

Ideal Nursery Co., Irondequoit.
 International Nurseries, Inc., 1905 West Farms Road, New York City.
 Ireland, J. J., Clarkson.
 Irving Brothers, Brighton.
 Islip Greenhouses, Islip.

Jackson, C. A., Horticultural Co., Unadilla.
 Jackson & Perkins Co., Newark.
 Jackson & Shafer, Dansville.
 Jamison, F. A. & A. L., Dansville.
 Jantzen, John A., Hicksville.
 Jeannin, John, Jr., West Sand Lake.
 Jefferies, R. P., & Son, Bellmore.
 Johantgen, Fred, Dansville.
 Johantgen, George, Dansville.
 Josselyn Nursery Co., The, Fredonia.

Katkamier, A. B., Macedon.
 Kean, B. F., Stanley, R. D. 1.
 Kelleher, M. M., & Son, Geneva.
 Keller, J. M., Co., Inc., Whitestone.
 Kelley, Charles E., Newark.
 Kelly Brothers, Dansville.
 Kennedy, Fred W., Dansville.
 Kennedy, T. C., & Son, Dansville.
 Kenney, James, Geneva.
 Kenny, Bryan, Geneva.
 Kenny, Edward, Geneva.
 Kenny, J. B., Jr., Geneva.
 Kenyon & Wickham, Hector.
 Keyel, William, Penfield.
 King Brothers Nurseries, Dansville.
 King, George, Dansville.
 King, Martin, Dansville.
 King, Simon, Dansville.
 Kingsford Farm Nursery, Oswego.
 Klug, George, Naples.
 Knapp & Van Middlesworth, Dansville.
 Knapp, Willis G., Dansville.
 Knapper, Frank, Yonkers.
 Knight & Bostwick, Newark.
 Knight, F. E., Ripley.
 Knight, George L., Rushville.
 Knight, Hixon, Rushville.
 Knight & Struck Co., Flushing.
 Kopper, G. E., Schenectady.
 Kruchten, Peter, Dansville.
 Krull Brothers, Irving.
 Kusneske, A. W., Fredonia.
 Kussie, B. H., Williamson.

Lake Keuka Floral Co., The, Penn Yan.
 Lake View Nursery Co., Sheridan.
 L'Amoreaux, C. B. & R. B., Schoharie.
 L'Amoreaux Nursery Co., Schoharie.
 LaPointe Nursery Co., Geneva.
 Leary, William T., 250 Highland Ave., Rochester.
 LeClare Nurseries, The, 6002 New Utrecht Ave., Brooklyn (Rochester).
 LeConte, John J., Tappan.
 Lee, J. H., Bluff Point, R. D. 11.
 Lemen, C. T., Dansville.
 Lenker, Charles, Freeport.
 Leonard, W. S., Estate, Hilton.
 Lewis & Valentine Co., East Rockaway.
 Lisburg, George, East Hampton.
 Little, T. B., & Sons, Ripley.
 Loomis, S. H., Geneva.
 Love, C. E., Munnsville.
 Lutchford, Arthur A., Exchange Place Bldg., Rochester.

McCarthy, D. T., & Sons, Lockport.
 McCarthy, Frank, Dansville.
 McCartney, Harry, Dansville.
 McClagger, Charles, Parish.
 McConnell, Alexander, 611 Fifth Ave., New York City.
 McCord, W. F., Co., Tarrytown.
 McDermott, Joseph, Bluff Point.
 McDonnell, James, Hastings.
 McDonnell & Son, P. M., Geneva.
 McFaul, Theodore, Newark, R. D. 2.
 McGlennon & Kirby, Rochester.
 McLane, F. A., Dansville.

McLane, James E., Dansville.
 McLane Brothers, Dansville.
 McLaughlin, O. J., Dansville.
 McNair, C. W., Dansville.
 McNair, H. R., Dansville.
 McNeal, Grant, Bluff Point, R. D. 11.
 McNeil, F. J., Dansville.
 McNeil, M. J., & Son, Dansville.
 McNeil, William J., Dansville.
 McPherson, Roy P., Le Roy.
 Maloney, E. H., Dansville.
 Maloney, James E., Dansville.
 Maloney, Thomas E., Dansville.
 Maloney Bros. & Wells Co., Dansville.
 Maney & Sayre, Geneva.
 Manning, W. A., Parish.
 Maple Grove Nurseries, Waterloo.
 Marshall Bros., Dansville.
 Mason, Adelbert, Dansville.
 Mathieu, Charles, Hastings.
 Maurer-Haap Co., Rochester.
 Mayo, E. S., Fairport.
 Means, W. G., Geneva, R. D.
 Menand, L., Albany.
 Mendel & Tulett, Lyons.
 Merrell Nursery Co., H. E., Geneva.
 Merritt, M. C., Rome.
 Mertz Bros., Dansville.
 Metzger, N., Fredonia, R. D.
 Miller, Albert B., Lynbrook.
 Miller, A. L., Rockaway Turnpike, Jamaica South.
 Miller, E. Edith, Linlithgo.
 Miller, John, Rockville Centre.
 Milliot, F., Yonkers.
 Mills, F. B., Co., Rose Hill.
 Milne Bros., Islip.
 Miner, B. O., Sheridan.
 Moll, John, Larchmont.
 Moody, E., & Sons, Lockport.
 Mooney Bros., Dansville.
 Moore, Wm. C., & Co., Newark.
 Moorehouse, Alfred G., Bluff Point.
 Morey Nurseries, J. B., The, Dansville.
 Morgan, Robert, Walker.
 Morris, Ed., Hastings.
 Morrison, E. E., Dansville.
 Morrison, George A., Dansville.
 Morse, George A., Williamson.
 Moseley, G. W., Newburgh.
 Mt. Pleasant Farm, Sodus.
 Mowers, B., Parish.
 Murphy, John T., Gage, R. D.
 Murphy, W. S., Gage, R. D.

Nagle, John E., Dansville.
 Nellis, J. B., & Co., 618 Plymouth Ave., Rochester.
 Newman, Jared T., Ithaca.
 Newton, E. C. (care of Thos. J. Maney, Geneva).
 New York Agricultural Experiment Station, Geneva.
 New York State Agricultural College, Dept. of Forestry, Ithaca.
 New York State College of Forestry, Syracuse.
 Nichols, A. L., Holley.
 Nichols, Charles, Dansville.
 Northern New York Development Co., 101 Bridge St., Plattsburg.
 Norton, J. J., & Son, Dansville.

O'Hara Bros., Dansville.
 O'Hara, James M., Dansville.
 O'Hara, Patrick, Dansville.
 Oliver, Mrs. Nettie Lewis, Lockport.
 Ontario Nurseries, The, Rochester.
 Ontario Nursery Co., Geneva.
 Orleans Nurseries, The, Fort Plain.
 Otterson, N., Hall, R. D. 1.

Paine, Clarence E., Westbury.
 Palisades Nurseries, Inc., Sparkill.
 Pan-American Nurseries, Rochester.
 Pardee, D. H., Irondequoit.
 Parks & Schaufelberger, Penfield.
 Pattington & Sons, Geo., Aurora.
 Payne, W. E., Fredonia.
 Peck & Son, H. J., Brighton.
 Peck, Robert J., Penn Yan, R. D. 9.
 Peet & Son, J. C., Webster.
 Pendorf, S., New Rochelle.
 Perine, Fred, Dansville.
 Perine, J. R., Dansville.
 Perry, Dellmer, Penn Yan, R. D. 5.
 Perry, L. H., Clay.
 Perry Nursery Co., Rochester.
 Perry & Son, E. H., Fairport.
 Petersen, Anthon S., New Rochelle.
 Peterson, L. S., Montrose.
 Pettit, A. K., Garden City.
 Phelps, F. M., Newark.
 Pierson Co., F. R., Tarrytown.
 Platman's Sons, J. H., Gage, R. D. 10.
 Pomeroy, Albert C., Lockport.
 Pomeroy, Daniel N., & Son, Lockport.
 Pomeroy, E. C. (Northville, Conn.), Lockport.
 Pomeroy Nurseries, Norman, Lockport.
 Pomona Ten Cent Nurseries, Inc., Dansville.
 Pontius, Harlen N., Mexico.
 Poughkeepsie Nursery Co., Poughkeepsie.
 Powell, E. A., Syracuse.
 Pratt, A. D., Pittsford.
 Pratt & Crump, Pittsford.
 Preston & Scofield, Holley.
 Price, Geo. H., Albany.
 Prospect Hill Nurseries, Inc., Castleton.
 Protective Nurseries Co., Geneva.
 Purdy, Fred, Keuka Park.
 Purtell & Schenk, Rochester.

Quaker Hill Nursery Co., Newark.
 Quick, W. J., Burtonsville.

Race, William, Stanley.
 Rambert & Son, John, Webster.
 Randall, Alton E., Dansville.
 Rauber, Paul, Dansville.
 Rauber, William, Dansville.
 Reed, John T., Geneva.
 Reed, M., Brockport.
 Reilly Bros. Nurseries, Dansville.
 Reilly, Jas. J., Groveland Station.
 Reilly Nurseries, Wm. J., Dansville.
 Renison, Robert S., Westbury.
 Retan, O. S., Bluff Point.
 Rice Bros. Co., Geneva.
 Rice & Co., H. W., 76 Dupont St., Buffalo.
 Rice, T. W., Geneva.
 Richards, J. J., Fairport.
 Richland Nurseries, The, Rochester.
 Ridgewood Nursery Co., The, 144 Glenwood Blvd., Schenectady.
 Reinbeck Bros., Cape Vincent.
 Roberts & Son, George L., Dansville.
 Roberts & Young, Dansville.
 Robinson, E. S., North Collins.
 Robinson & Son, Willis H., Flint.
 Rochester Board of Park Commissioners, Rochester.
 Rockland Nurseries, Blauvelt.
 Roesch, Lewis, Fredonia.
 Root, George, Angola.
 Root, James A., Nurseries, The, Skaneateles.
 Ross, Robert, Dansville.
 Rouse, Irving, Rochester.
 Rowan, Jas. A., Dansville.
 Rowehl & Granz, Hicksville.

Rowley, E. E., Dansville.

Rude, A. L., Colosse.

Rupert, John, Stanley.

Rupert & Son, W. P., Seneca.

Russell, Fred, Penn Yan, R. D. 3.

Rye Nurseries, Rye.

Sackett Bros., Lebanon Springs.

Salter, W. H., Rochester.

Saxton, Roger A., Patchogue.

Schaefer, Inc., 382 Broadway, Newburgh.

Schauber, Geo. R., Ballston Lake.

Schiffert Nurseries, The P. E., Fredonia.

Schirmer's Wholesale Nurseries, Dansville.

Schlayer, F. M., Dansville.

Schlayer & Young, Dansville.

Schlevogt, Andrew, 1713 E. 16th St., Brooklyn.

Schling, Max, 22 W. 59th St., New York.

Schmidt, F., Mt. Vernon.

Schneider, Ella M., East Rockaway.

Schrade, Henry, Saratoga Springs.

Schultheis, Anton, College Point.

Schum, Joseph, Rochester.

Schwan, F. J., Dansville.

Schwan, Walter, Dansville.

Schwingle, H. A., Dansville.

Scofield, R. F., Penn Yan, R. D. 5.

Scofield, W. L., Penn Yan, R. D. 5.

Scott Bros., Elmsford.

Seervelt, John, West Sayville.

Schatemuc Nurseries, Barrytown.

Sheerin, Thomas E., Dansville.

Sheerin's Wholesale Nurseries, Dansville.

Sheffin, George, Eden.

Shepard, Frank R., Rome.

Sheppard, William H., Stanley, R. D. 3.

Sherwood, Elmer, Odessa.

Shoemaker, Ray, Penn Yan, R. D. 5.

Shourds, D. S., Macedon.

Siebrecht & Son, New Rochelle.

Sill, A. D., Hastings.

Sill, Frank J., Hastings.

Sill, F. R., Hastings.

Simon & Stockwell, Dansville.

Sline, John, Geneva.

Sline, P. J., Geneva.

Smith, Carl, Dansville.

Smith, Frank, Dansville.

Smith, Frank R., Geneva.

Smith & Son, S. A., Geneva, R. D. 3.

Smith Bros. Seed Co., Auburn.

Smith, W. I., Hilton.

Smith, W. & T., Co., Geneva.

Sodus Fruit Farm, The Sodus.

South, Mrs. Hope K., Brushton.

Southall, H. W., Bluff Point.

Spicer, Mrs. Delia, Hastings.

Sponable, A. B., Clay.

Squires, Harry L., Remsenburg.

Stadler, Charles, Dansville.

Standard Nursery Co., Rochester.

Stanley, R. B., Odessa.

Stapleton, Lawrence, Geneva.

Stark Bros. Nurseries & Orchards Co., Dansville.

Stein, F. J., Dansville.

Stein & Noyes, Dansville.

Sterling & Son, W. W., Cutchogue.

Stevens, Chas., Camden.

Stone, George C., Dansville.

Stork, C. H., Bluff Point, R. D. 1.

Storm King Nursery, Cornwall.

Strong, G. W., Sherman.

Stuart, Chas. A., 315 Glen Ave., Syracuse.

Stuart & Co., C. W., Newark.

Sutherland, E. L., Penn Yan, R. D. 5.

Swan River Nursery, Patchogue.

Swartout, Charles E., Rushville.

Sweet Nursery Co., The George A., Dansville.

Swift, J. L., Dansville.

Swift Nursery Co., Dansville.

Switts Bros., Hastings.

Taylor & Co., H. S., Rochester.

Teats Sons, J. H., Williamson.

Thompson, R., Clay.

Tiger, E. C. & V. S., Patchogue.

Tills, Frank R., Geneva, R. D. 1.

Tills, Harry H., Geneva, R. D. 1.

Tilton, Frank, Colosse.

Titus, Carl, Portland.

Trautman, George, Jr., Geneva.

Traver, Bertsall, Bluff Point.

Trippe, Russell, Irving.

Troy, J. H., New Rochelle.

True, H. L., Adams Basin.

Turner & Sons, J. K., Gage, R. D. 10.

Tuttle, Ezra A., Eastport.

Tuxedo Park Association, Tuxedo.

Udell, Mrs. Foster & Sons, Brockport.

Uhl, Jacob, Dansville.

Uhl, N. W., Dansville.

Ulyette Bros., Dansville.

United Forestry Co., Niverville.

Universal Nurseries, Geneva.

Vanderbrook, Marian, East Palmyra.

Van Der Meulen, T. F., 635 Eagle St., Dunkirk.

Van Dusen Nurseries, The, Geneva.

Van Eps & Son, F. E., Stanley, R. D. 1.

Van Gaasbeck, C. H., Chemung.

Van Hall, Jacob, Marion.

Van Inwagen, C. L., Newark.

Van Orden, C. W., Walker.

Van Scoter, J. C., Dansville.

Van Vlakte, D. S., Rhelms.

Van Vranken's Sons, A., Rexford, R. D. 1.

Velle & Sons, C. G., Marlborough.

Vetault, Louis, East Hampton.

Vick's Sons, James, Rochester.

Vick & Hill Co., Rochester.

Vogel, Floyd, Dansville.

Vogt, Bernard, Dansville.

Vogt, J. W., Dansville.

Vogt, R. W., Skaneateles.

Wade, Thomas J., New Rochelle.

Wagner, Henry P., Mt. Vernon.

Wakeman, E. D., Larchmont.

Waldo & Co., W. S., Rochester.

Waumbach, Geo. A., Irondequoit.

Wayne Nursery Co., Wolcott.

Webber, Charles, Lynbrook.

Weed & Sons, Addison, North Rose.

Weeks Nursery Co., Inc., C. H., Lyons.

Welch, James, Brockport.

Welch, L. K., Dansville.

Welch, W. B., North Rose.

Wells & Son, Samuel J., Fayetteville.

Wells Wholesale Nurseries, F. W., Dansville.

Welsh, James, Geneva.

Welsh, John P., Geneva.

Western New York Nursery Co., Rochester.

Weston, Henry, Hempstead.

Whiteman, E. L., Dansville.

White Plains Nurseries, White Plains.

Whiting Nursery Co. (Boston, Mass.), Geneva.

Wickham, George A., Stanley, R. F. D. 3.

Wiley & Son, H. S., Cayuga.

Willard, C. E., Hornell.

Willett & Wheelock, North Collins.

Willey, Charles, East Patchogue.

Williams, G. P., Amityville.
 William Street Nurseries, Geneva.
 Williams Co., The Ira, Jamestown.
 Williams, Rose, Newark.
 Wilson, H. E., 835 Hudson Ave., Rochester.
 Wilson, R. P., & Son, Williamson.
 Winters, John C., Brant.
 Wood, Allen L., Rochester.
 Wood, J. A., Castleton Corners, S. I.
 Wood Bros., Fishkill.
 Wood, Harman, & Co., Brooklyn.
 Woolson, Geo. C., Hastings-on-Hudson.
 Worden, Mont, Fayetteville.
 Wright, E. M., Geneva.
 Wright, H. W., & Son, Webster.
 Wright, John, Penn Yan, R. D. 5.

Wyatt Bros., Geneva.
 Wygant, J. Foster, Marlborough.
 Wyman Nurseries, The, Rochester.

Yauch Bros., Albany.
 Yonkers Nursery Co., Yonkers.
 Young, Daniel, Dansville.
 Young, F. H., Dansville.
 Young, John, Dansville.
 Young, T. F., Marion.

Zaffke Bros., Dansville.
 Zeller, Chas., & Son, 16 Lefferts Ave., Brooklyn.
 Zeffass, Byron, Dansville.
 Zueber, V., & Son, Whitestone.

For the information of nurserymen who ship nursery stock to other states and Canada, the following was prepared and widely distributed:

INSPECTION, CERTIFICATION AND TRANSPORTATION OF NURSERY STOCK

This bulletin gives a brief synopsis of the laws and regulations of the United States, the several states and Canada, relative to the inspection, certification and transportation of nursery stock.

Special attention of transportation companies, importers, custom house brokers, dealers and nurserymen is called to sections 304 and 305 of the Agricultural Law and to the following orders of the Commissioner of Agriculture. No person in the State of New York should handle or ship nursery stock until he becomes familiar with the provisions of the law relative thereto.

A NEW LAW

§ 264. Damages accruing from sale of trees. Nothing contained in section two hundred and sixty-three or any other section of this chapter shall be construed to deprive a purchaser of any fruit-bearing tree of his remedy at law in a civil action to recover damages sustained by reason of such trees proving untrue to name as specified on the label. Such damages may be recovered in a civil action by the purchaser of such fruit-bearing trees or by his personal representative or assignee at any time prior to the third bearing year, provided the purchaser notifies the seller as soon as he has reason to believe that such trees are not true to name. In any action to recover damages suffered by the purchaser by reason of any fruit tree or trees not being of the name or variety under which they were tagged and sold, the seller shall have the burden of proof in establishing that any contract or any provision of any such contract exempting the seller from liability or limiting his liability was agreed to by the purchaser. In every case of a sale of fruit-bearing trees in lots of twenty-five or more, the seller must at once furnish the purchaser a copy of such contract upon the face of which shall be plainly printed the following: "In any action to recover damages suffered by the purchaser by reason of any fruit tree or trees not being of the name or variety under which they were tagged and sold, the seller shall have the burden of proof in establishing that any contract or any provision of any such contract

exempting the seller from liability or limiting his liability was agreed to by the purchaser." The seller must also accompany the shipment of such trees with an itemized list of the same, which lists* shall also give the name of the county and State where the trees covered by it were grown, the age of the trees, and the name and address of the person for whom the trees were grown, if requested by letter or in writing on the contract by the purchaser at the time of purchase. Within five days after the receipt by the purchaser of the trees and the list thereof the purchaser shall compare and notify the seller of any discrepancy between the list and the labels on such trees.

ORDERS

Albany, N. Y., SEPTEMBER 1, 1915.

To Whom it May Concern:

By virtue of authority conferred on me by section 305 of the Agricultural Law, I, Charles S. Wilson, Commissioner of Agriculture, hereby issue the following orders:

TO TRANSPORTATION COMPANIES AND THEIR AGENTS

All nursery stock shipped from any point in the State of New York must have attached to each car, box, bale or package a copy of a certificate of inspection issued by the State Department of Agriculture, signed by the Commissioner of Agriculture and valid to September 1, 1916.

All transportation companies bringing nursery stock into this State shall immediately notify the Commissioner of Agriculture of the fact that such stock is in their possession or is en route to some point within the State, and give name of consignor and consignee and the points of shipment and destination of each consignment, and shall also make such further report relative to shipments as the Commissioner of Agriculture may from time to time require.

(Sample forms of notices will be sent on application.)

TO IMPORTERS OF NURSERY STOCK AND CUSTOM HOUSE BROKERS

All persons importing nursery stock from foreign countries must comply with the Federal Law. (See p. 9.)

All custom house brokers, bringing into or causing to be brought into this State any nursery stock shall file with the Commissioner of Agriculture, on or before October first each year, the name of the person, firm, association or corporation engaged in or intending to engage in such business, together with the business address of such person, firm, association or corporation.

Custom house brokers importing or bringing nursery stock into the State shall immediately, upon receiving consignments, notify the Commissioner of Agriculture of the fact that such consignments are in their possession or en route to some point within the State and give the name and address of the consignor and consignee and the destination of each shipment and the name of the transportation company bringing such stock and the route over which

* So in the original.

it is brought, and shall also make such further report relative to shipments as the Commissioner of Agriculture may from time to time require.

(Blanks will be furnished for this purpose.)

TO DEALERS IN NURSERY STOCK

All dealers in nursery stock must, if they have no growing nursery stock in this State, file with the Commissioner of Agriculture their name and address, together with a list of all persons, firms or corporations of whom they buy nursery stock. No stock shall be sold, shipped or delivered unless accompanied by a copy of a certificate signed by the Commissioner of Agriculture or his authorized representative, indicating freedom from insect pests and fungous diseases. When all such stock is collected an inspection will be made and proper certificates provided by this department to permit shipping.

TO NURSERY MEN

All growing nursery stock in the State will be inspected annually or oftener if necessary; if found free from injurious insects or fungous disease there will be issued to the owner a certificate of inspection, which certificate will expire September 1, 1916.

Every car, box, bundle or package must have attached an exact copy (including date of issue and date of expiration of said certificate before shipment or delivery.

All nursery stock found growing within one-half mile of areas infested with San Jose scale must be properly fumigated as required by the regulations of this department before shipment or delivery.

No nursery stock received from points within the State of New York shall be sold or delivered unless it bears a valid certificate of inspection on arrival.

Any nursery stock brought into the State must remain packed and unopened until permission is given by the Commissioner of Agriculture or his duly authorized representative. To facilitate rapid inspection, receivers of nursery stock should notify the department office at Albany or an authorized inspector of the receipt or expected receipt of consignments, giving the name and address of consignor and dates.

No nursery stock shall be shipped or delivered unless there is positive evidence that it has been inspected and certified by authority of the Commissioner of Agriculture.

[SIGNED] CHARLES S. WILSON,
Commissioner of Agriculture.

September 1, 1915.

INFORMATION

The State is divided into districts and the nurseries are under the constant care of inspectors of the department. During the shipping season it is the duty of the department to cause an inspection of all nursery stock received from points outside the State. All trees infested with San Jose scale or other injurious insects, and all trees and plants infected with fungous diseases, crown gall or galls on the roots, must be destroyed or returned to shippers.

The Commissioner of Agriculture exempts from fumigation all herbaceous plants, conifers, greenhouse plants, flowers and cuttings, but this does not refer to stock that may distribute injurious pests or disease. Certificates issued by this department will be valid until September 1, 1916. No certificate will be granted on a final inspection made earlier than August 1, 1915, and the most important inspection work will be done after August 1 and continue throughout the year wherever it is found necessary.

Vineyardists who make a business of selling cuttings, and small fruit growers who do no general nursery business will receive a special certificate of inspection. Transportation companies class cuttings as nursery stock and require copies of inspection certificates.

Duplicate certificates of inspection will be furnished by the department for filing in the offices of the states requiring them, as follows:

Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, North Carolina, North Dakota, Rhode Island, South Carolina, Tennessee, Texas, Virginia, Wisconsin and Wyoming.

To avoid delay and possible loss of stock, no nurseryman should ship to another state, without first having learned the requirements of that state.

SCALE-MARKED TREES SHOULD NOT BE SHIPPED

If trees infested with San Jose scale have been treated in an approved manner, and at a time long enough prior to inspection to be convincing that no live insects are visible, shipments may be permitted, but not otherwise.

Nurserymen are advised that it is not regarded good policy to use scale-marked trees.

The following letters were received in June, 1915, from the inspection authorities of five of the largest nursery stock-producing states:

With reference to your inquiry as to our attitude concerning the presence of San Jose scale on nursery stock which has been sprayed and then followed by fumigation, I would state that it is, of course, preferable that stock should have no evidence of scale in any condition. I realize the difficulties in the way of this in some cases, however, and for some little time we have been guided, in the acceptance or rejection of stock, by our own findings. Where we find living scale, whether the trees have been treated or not, we either reject the stock or require its treatment at the consignor's expense.

However, if any person finding scale on the stock, either living or dead, should object to receiving it on that account, I believe we should support him in his position and feel that, as he is paying for the stock, his wishes in the matter should be considered.

Regarding your inquiry as to the attitude of nurserymen shipping nursery stock which shows marks of scale, I advise our men against such practice, on the basis that dead scale or scale marks hurt them with the growers as badly as if the trees were infested with live scale.

Our policy is that they should throw out any stock that has been infested with scale, believing that by such policy we eliminate to the minimum any trees that might slip through hand inspection. As a general rule, I believe our nurserymen follow this practice, and, as we check up on their work by sending an inspector to the large nurseries at given periods of the year during the shipping season, I believe that they are following it as carefully as possible. That does not necessarily

mean, of course, that there are **not** some trees that may show marks of scale, or even contain some dead scale, as we could not expect the hand inspection to be perfect in any blocks in which scale was found at our official inspection. Of course, all of our stock is fumigated before being shipped, so that, as a general policy, I would much prefer the nurserymen **not** to sell stock that had been infested.

I think it is an excellent plan for nurserymen to take the extra precaution of spraying nursery stock susceptible to the San Jose scale before fumigating, but such precaution should not be held sufficient to render it safe for scale-marked stock to be shipped interstate. I should be inclined to disapprove the certificate of any state, the inspection authorities of which hold that such extra precautionary treatment is sufficient, and to quarantine against nurseries depending upon it.

I have your letter of June 7th and have read it carefully. I am inclosing a statement of our requirements, which is satisfactory from our standpoint. We have been accustomed to compel our nurserymen not only to spray infested blocks for the scale, but to destroy all that show any scale marks whatever, and we are inclined to hold that stock sent in to us should conform to as high a standard as this.

We do not wish, therefore, to receive stock which has been sprayed with lime and sulphur and followed with fumigation, if the same shows scale marks upon it. In the first place, even by using the utmost precautions, it is impracticable to guarantee that all scale will be destroyed; and, in the second place, by requiring the destruction of all scale-marked stock we come nearer to insuring freedom than would be possible under the conditions that you describe.

As to your inquiry concerning the shipment into this state of nursery stock showing marks of San Jose scale, would say that, while we under no circumstances would condemn or reject any stock simply showing the scale marks without finding thereon live scale, this state in common with the requests sent out by nearly all other states in the Union realizes the danger of shipping stock showing scale marks, even though no live scale is in evidence. It is a fact, when scale has been present, that even with the most careful spraying and fumigation and the most searching inspection, there is a possibility that the scale, though present, may be overlooked. I think the only absolutely safe guide in all instances would be to avoid the shipment of such stock.

The following is a brief summary of the laws and regulations of the United States relative to importations, also of the several states and Canada, governing the inspection, certification and transportation of nursery stock.

For further information correspondents are referred to the officials who have charge of the work in the several states or countries.

UNITED STATES.—All persons who intend to import trees or plants from any foreign country should first apply for and receive a permit from the Federal Horticultural Board, U. S. Department of Agriculture, Washington, D. C., under the Plant Quarantine Act of August 20, 1912.

A permit should be applied for in advance. This permit should preferably be taken out by the person who is to receive the goods at the final destination. A broker or commission merchant may take out a permit in his own name, if he imports for his own account, or he may act as agent for and take out the permit in the name of the actual purchaser. The importer must see that each package on arrival at the port of entry bears the proper certi-

ficate of foreign inspection. He must also see that each package is marked in accordance with Section 3 of the act. As a matter of convenience, this marking should contain also the additional information called for in Section 4, to avoid the trouble of re-marking before the goods can be delivered for interstate shipment. The certificate of inspection must be, and the marking preferably should be on the goods before they leave the foreign port.

On the arrival of the stock, and before shipping or removing it from the port of entry, he must advise the Secretary of Agriculture and the proper State inspectors in accordance with Section 2 and Regulation 8. He must see that each container is marked in accordance with Section 4; that is, in addition to the information in the label of entry, each container must bear the name and address of the consignee at destination, where the stock is to be inspected by the state, territorial or district official.

Any person receiving imported nursery stock and reshipping it, interstate, before it has been inspected by a duly authorized state, territorial or district inspector or officer, is required, prior to making such reshipment, to notify the Secretary of Agriculture and the duly authorized inspector or other officer of the state, territory, or district, to which the nursery stock is to be re-shipped, giving the number of cases, the bale numbers and marks, the quantity and kind of nursery stock, and the name and address of the consignee. If possible, the permit number under which the stock was imported, and the name and address of the foreign shipper should also be given.

Failure to meet the requirements of the law, as outlined above, subjects importers or persons making interstate shipments to the penalties fixed in Section 10 of the act.

A pamphlet entitled, "Rules and Regulations under the Plant Quarantine Act: General, Including Nursery Stock," containing the regulations governing the importation of nursery stock into the United States and the text of the Plant Quarantine Act of August 20, 1912, as amended March 4, 1913, may be obtained on application to the *United States Department of Agriculture, Federal Horticultural Board, Washington, D. C.*

NURSERY STOCK BY MAIL

The following is a copy of order 6313 of Postmaster-General, dated May 29, 1912, amending paragraph 8, section 496 of postal laws and regulations, to read as follows:

Nursery stock, including florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, bulbs and roots (which may carry injurious insects), may be admitted to the mails only when accompanied by a certificate from a state or government inspector to the effect that the nursery from which said nursery stock is shipped has within a year been inspected and found free from injurious insects.

TREATMENT TO BE ACCORDED TO PROHIBITED NURSERY STOCK RECEIVED IN THE MAILS FROM FOREIGN COUNTRIES

Office of Second Assistant Postmaster-General, Washington, June 1, 1915.

This Department and the Department of Agriculture are in receipt frequently, both directly and through postmasters, of requests from importers of nursery stock that delivery be authorized of certain mail shipments of prohibited plants or plant products. It is understood that pending the receipt by such importers of replies

to their requests, the shipments in question are withheld from return by postmasters notwithstanding the instructions of the Department that all packages of prohibited nursery stock received in the mails from abroad shall be appropriately indorsed and returned to origin immediately.

Postmasters are enjoined, therefore, to comply strictly with the instructions referred to by declining to withhold from return any prohibited nursery stock in order to afford an opportunity to the importer to communicate with the Department with the view of having an exception made in any particular case.

The term "nursery stock" as applied to the prohibition in question includes all growing or living plants, seeds and other plant products, for propagation, except field, vegetable and flower seeds. It includes also bulbs, roots and tubers and, with the exceptions noted, the seeds of all trees, shrubs or other plants. The only plants or plant products excepted from the prohibition are those ordered by, or intended for, and addressed to the "Office of Foreign Seed and Plant Introduction, United States Department of Agriculture, Washington, D. C."

In this connection, reference is had to the notice of this office printed on page 2 of the Postal Guide (supplement) for January, 1914, and to the notice on pages 129 and 130 of the Postal Guide for July, 1914.

The widest possible publicity should be given to this notice.

JOSEPH STEWART,

Second Assistant Postmaster-General.

ALABAMA.—A signed copy of inspection certificate must be filed with the secretary of the Alabama State Board of Horticulture, and an Alabama license obtained, also Alabama tags. Nursery and dealers' license fee, \$10.00. Agents must obtain license through their principal. License fee for agents, \$1.00. Dealers must designate nurseries from whom stock handled is purchased. A tag must be attached to every separate order or lot of nursery stock delivered in the State. Tags are furnished at cost: first one hundred, 65 cents postpaid; five hundred, \$1.60; one thousand, \$2.20, sent collect by express.

All scions and bud sticks must be properly fumigated. The following insects and fungous diseases are quarantined against: San Jose scale, new peach scale, woolly aphis, crown gall, black knot, peach yellows, peach and plum rosette, citrus canker, white fly, gypsy moth and browntail moth. Trees liable to scale infection must be properly fumigated with hydrocyanic acid gas. All kinds of citrus trees are quarantined except Satsuma orange and Kumquat. The two latter may be shipped from localities free from citrus canker upon obtaining special citrus permit, and upon compliance with the special rules covering shipments of such trees and other hosts of white fly, or citrus canker, which is, that such trees be completely defoliated and dipped (except roots) in 6-4-50 Bordeaux mixture.

Special citrus permit tags are supplied at \$1.00 a hundred; 50 cents a hundred for additional lots. These must be used in addition to regular tags on all shipments containing citrus trees. Prof. Ernest Walker, State Horticulturist, Auburn, Ala.

ARIZONA.—Nursery stock shipped into the State must be prominently labeled with the name and the address of both the shipper and the consignee, and must be accompanied by a valid certificate of inspection or a copy of such certificate. Shipments into the State, consisting of or containing plants not grown in the locality from which shipment was made, must, in addition, specify where such plants were grown.

State quarantine orders of interest to nurserymen prohibit: (No. 1) the importation of stock from sections infested by the alfalfa weevil; (No. 4) rooted grape vines from north of the north line of San Bernardino, Kern and San Luis Obispo counties, California; (No. 8) the importation of citrus nursery stock from all other states and territories and of cape jessamine, privets and rubber plants from North Carolina, South Carolina, Georgia, all states bordering on the Gulf of Mexico, and Yuba county, California. Other quarantines relate to the Mexican orange maggot (quarantine made practically inoperative owing to establishment of Federal quarantine), cotton boll weevil, date palm scales and citrus canker. None of these latter concern shipments of nursery stock.

All shipments of living plants into the State of Arizona are inspected by Arizona State inspectors and not delivered until a certificate of release is issued in each case to the common carrier and to the consignee. If trees or plants are infested or infected with insect pests or plant diseases of general occurrence in the section of the State where the shipment is received, treatment to eradicate, or the separation of the infested or diseased plants or trees, is in most cases permissible; otherwise all plants or trees of the kind found to be infested or diseased are held in quarantine and are shipped from the State or destroyed at the owner's option. Copies of quarantine orders furnished upon application. A. W. Morrill, State Entomologist, Phoenix, Arizona.

ARKANSAS.—Shipments of nursery stock into the State must be accompanied by a copy of the valid certificate of inspection, and must bear the name and address of the consignor and consignee with a statement of the contents of the shipment; all shipments not so labeled or tagged must be refused for shipment by the carrier. Carriers bringing into the State shipments of nursery stock which originated in foreign countries or foreign possessions of the United States must notify the State Entomologist in writing and must hold such stock at any place designated by him until the same has been duly inspected and released.

Nurserymen located out of the State may secure permits by filing with the State Entomologist a copy of their certificate. Geo. G. Becker, State Entomologist, Fayetteville, Ark.

CALIFORNIA.—Shipments of nursery stock into California are held by transportation companies until inspected by the State officials. All packages must be marked with the name and address of the shipper, name of the consignor, and the name of the country, State or territory where the contents were grown. Peach, apricot and almond trees from districts where yellows and rosette are known to exist shall be refused entry and shall be destroyed or returned to the shipper. Notice of shipment of nursery stock to California should be sent to the following address, and also to the Quarantine Guardians at the point of destination. Frederick Maskew, Chief Deputy, Quarantine Office, Room 11, Ferry Building, San Francisco, Cal.

COLORADO.—The State Entomologist has general supervision of the inspection of nurseries and orchards to prevent the introduction and spread of in-

jurious insects and plant diseases. County horticultural inspectors in fruit-growing counties of the State are appointed by the county commissioners. All nursery stock coming into the State must bear certificates of inspection and fumigation and on arrival in counties that have inspectors is turned over to them and released to consignor if it passes inspection. C. P. Gillette, State Entomologist, Fort Collins, Colo.

CONNECTICUT.—All nursery stock shipped into this State shall bear on each package a certificate that the contents of said package have been inspected by a State or government officer and that said contents appear free from all dangerous insects and diseases. If nursery stock is brought into the State without such a certificate, the express, freight, or other transportation company or person shall, before delivering shipment to consignee, notify the State Entomologist of the facts, giving name and address of consignee, origin of shipment, and approximate number of cars, boxes, or packages, and probable date of the delivery to the consignee. The State Entomologist may cause the inspection and, if infested, the treatment of the stock. No person, firm, or corporation shall unpack any woody field-grown nursery or florists' stock brought into this State from foreign countries except in the presence of an inspector, unless given permission to do so by said State Entomologist or one of his deputies. If such stock is found infested with any dangerous pests the State Entomologist may at his discretion order it treated. Any person violating any of the provisions of this act shall be fined not more than \$50. Dr. W. E. Britton, State Entomologist, New Haven, Conn.

DELAWARE.—Shipments of nursery stock into the State must bear a certificate of inspection and also a certificate stating that the stock has been properly fumigated. All nursery stock not accompanied by proper certificates may be held by the transportation companies until it can be inspected. Wesley Webb, Secretary, State Board of Agriculture, Dover, Del.

FLORIDA.—All nursery stock shipped into Florida shall be defoliated and fumigated and to each package shall be conspicuously attached a permit-certificate. This permit-certificate will be issued free of charge in exchange for an approved certificate issued by the official in the State of origin. Printed tags must be used in making shipments and can be obtained at the following address. Duplicate certificates issued to nurserymen in New York State must be filed in Florida before permit-certificate tags are issued. F. M. O'Byrne, Inspector of Nursery Stock, Gainesville, Fla.

GEORGIA.—Nurseries are inspected annually. A signed duplicate of inspection certificate, together with a statement by the nurserymen that all stock intended for Georgia will be fumigated in accordance with directions furnished them, must be filed in the office of the State Entomologist. Official tags of the Georgia State Board of Entomology will be furnished through the State Entomologist at the following prices: One hundred tags, 60 cents, postpaid; 200 tags, 85 cents, postpaid; 300 tags, \$1.10, postpaid; 500 tags, \$1.35, sent by express, collect; 1,000 tags, \$2, sent by express, collect. Each shipment of nursery stock into the State of Georgia must bear the official

tag of the Georgia State Board of Entomology and also a duplicate certificate of inspection of the State from which the shipment is made. Prof. E. Lee Worsham, State Entomologist, Atlanta, Ga.

IDAHO.—No person, firm or corporation shall import or sell nursery stock without first applying to the State Board of Horticultural Inspection and filing a bond in the sum of \$5,000 and securing annual license upon payment of \$10. Shipments into the State should bear a copy of an official certificate of fumigation emanating from the place where the stock was grown. All shipments into the State must bear a label showing the name of the shipper, the locality where grown and variety of nursery stock. All nursery stock, fruit trees or horticultural plants sold or delivered by principal or agents shall be true to name and variety as represented. All nursery stock shipped into this State, whether bearing certificate of inspection or not, must be inspected again upon its arrival, the consignee paying for such inspection. Every nursery firm doing business in this State must pay annually \$1 additional for each agent who represents them. Guy Graham, State Horticultural Inspector, Boise, Idaho.

ILLINOIS.—State nurseries are inspected and certified not later than October 1. An inspection certificate shall be valid for one year from date of inspection. The State Entomologist is authorized to revoke a certificate if he finds it is being used in violation of the law. He is also required to furnish all Illinois nurserymen with a list of State and government inspectors whose certificates may be received as equivalent to his own, and the nurseryman receiving stock under such certificates is authorized to substitute for them the Illinois certificate of inspection. Each dealer in nursery stock who has no nursery of his own and each agent for a nursery located outside of Illinois is required to furnish to the State Entomologist annually a sworn statement showing that the stock in which he deals has been duly inspected, and to submit for approval a copy of the certificate of inspection, and to attach a copy of such certificate, if approved, to every parcel of nursery stock delivered. Nursery stock shipped into the State must bear a certificate of inspection attached to each car, box, bale, bundle or package. Dr. S. A. Forbes, State Entomologist; F. Way, Chief Inspector, Urbana, Ill.

INDIANA.—All nurseries are inspected between June 1 and October 1 and at such other times as the head of the inspection department may consider advisable. Stock sent into or within the State must be plainly labeled with the name of the consignor and the consignee and must bear a certificate signed by a State or government official showing that the inclosed stock has been inspected and found free from injurious insects and plant diseases. All foreign-grown stock must be inspected upon arrival at its destination in Indiana. All dealers and agents engaged in selling or soliciting orders for nursery stock in the State of Indiana must take out a license which is issued by the State Entomologist. All nursery firms or other persons whose place of business is outside the State of Indiana and who ship nursery stock into Indiana are required to file with the State Entomologist a copy of their valid

certificate of inspection and procure a license, which is good for one year from the date of issue. The fee for license is \$1 in all cases. C. H. Baldwin, State Entomologist, Indianapolis, Ind.

IOWA.—State nurseries are inspected at owner's request or if supposed to be infested with dangerous injurious insects or plant disease, and nurserymen are prohibited from selling or shipping without inspection. Shipments into the State must be accompanied by a certificate of apparent freedom from injurious insects or plant disease. A copy of inspection certificate must be filed with and approved by the State Entomologist. Prof. H. E. Summers, State Entomologist, Ames, Iowa.

KANSAS.—Nurseries are inspected annually between June 15 and November 1. Certificates are valid until the first day of the following June. No nursery stock shall be brought into the State nor offered for sale within the State without having been properly inspected as shown by an accompanying certificate. State Entomological Commission, Topeka, Kan. Prof. Geo. A. Dean, Entomologist, Manhattan, Kan. Prof. S. J. Hunter, Entomologist, Lawrence, Kan.

KENTUCKY.—Nurseries are inspected annually. Every package of nursery stock shipped into the State must have a copy of a certificate of inspection attached and bear on the label a list of the contents. Duplicate certificates of inspection may be filed with the State Entomologist. Prof. H. Garman, State Entomologist, Lexington, Ky.

LOUISIANA.—Nursery inspection is under the control of the State Board of Agriculture and Immigration. The entomologist of the Experiment Station at Baton Rouge has charge of the work, and all communications concerning nursery inspection matters should be addressed to him.

The regulations of the Board require every box, bundle, bale or package of nursery stock shipped into the state to be plainly labeled with a copy of a valid certificate of inspection showing where plants were grown, and nurserymen shipping such stock for delivery in Louisiana must first file an annual copy of their certificate for approval.

E. S. Tucker, Entomologist, State Board of Agriculture and Immigration, Baton Rouge, La.

MAINE.—All nursery stock shipped into the state shall bear on each box or package a certificate that the contents have been inspected. The State Horticulturist has power to inspect at point of destination all stock entering the state. No person, excepting growers, shall carry on the business of selling nursery stock or soliciting purchases without first obtaining a license. The license fee shall be \$5 per annum. The license shall be issued in the name of the dealer, salesman or agent as the case may be. A. K. Gardner, Horticulturist, Department of Agriculture, Augusta, Me.

MARYLAND.—Nurseries are inspected at least once in six months. All nursery stock subject to attack of insect pests must be fumigated. Shipments

into the state must be labeled with the name of consignor and consignee and each package bear a certificate of inspection. Duplicate certificates should be filed with the State Entomologist. Dr. T. B. Symons, State Entomologist; Prof. J. B. S. Norton, State Pathologist, College Park, Md.

MASSACHUSETTS.—Nurseries in the state are inspected annually. Agents or other persons, excepting growers, who desire to sell nursery stock in the State shall make application to and receive from the State Nursery Inspector an agent's license, and shall file with the State Nursery Inspector names and addresses of all persons or nurseries from whom they purchase stock. It shall be unlawful for any person, firm or corporation to sell, deliver or ship within the State any nursery stock unless such person, firm or corporation holds a grower's certificate or an agent's license, and a copy of such certificate or license must accompany each car, box or package delivered or shipped.

The State Nursery Inspector shall have power to inspect at its point of destination all nursery stock coming into the State, and should such stock be found to be infested with injurious insects or plant diseases he may cause it to be destroyed, treated or returned to the consignor at the consignor's expense. Dr. H. T. Fernald, State Nursery Inspector, Amherst, Mass.

MICHIGAN.—Nurseries are subject to inspection; infested trees must be destroyed and the remainder of the stock within a half mile must be fumigated. Shipments into the State must bear on every package, plainly labeled, the name of the consignor and consignee, statement of contents and a certificate showing that the contents have been inspected by a State or government officer; and, if of species subject to the attack of San Jose scale, must be fumigated with hydrocyanic acid gas. Certificates of fumigation must also be attached, together with a copy of the certificate of inspection. This applies to individual orders when several are contained in the same shipment. All nurserymen, whether residents of Michigan or other states, who wish to grow or sell stock within the State must apply to the State Inspector of Nurseries on or before August 1 of each year for a license, for which the fee is \$5. A bond for \$1,000 must also be filed. Certificates of inspection must be filed with the State Inspector of Nurseries before any stock is shipped into the State. Prof. L. R. Taft, State Inspector of Nurseries and Orchards, East Lansing, Mich.

MINNESOTA.—Inspection, annual and compulsory. Inspection may be oftener if it seems desirable.

Shipments into the State must be accompanied by a certificate of inspection.

Carrying companies accepting stock not so tagged are responsible and liable to prosecution.

Dealers in other states sending stock into Minnesota for sale must file a copy of their certificates with the State Entomologist. Prof. F. L. Washburn, State Entomologist, St. Anthony Park, Minnesota.

MISSISSIPPI.—Every nursery in the State must be inspected before November 1 of each year, and every bundle, bale or package of stock sold or transported must be accompanied by a copy of the certificate of inspection attached in a conspicuous place. Every person or firm from other states wishing to ship nursery stock into Mississippi must file with the entomologist a copy of the certificate, which shall state that the nursery is properly equipped for fumigating all nursery stock. A copy of the certificate shall be attached to every bundle, bale or package of nursery stock delivered within the State. Every nurseryman must state that all nursery stock shipped into this State will be fumigated with hydrocyanic acid gas. R. W. Harned, Entomologist, Agricultural College, Miss.

MISSOURI.—Nurseries are inspected annually. Each nursery outside of Missouri shipping stock into Missouri must apply at the office of the Chief Inspector for a permit, which will be issued upon filing the necessary papers and copy of their nursery inspection certificate. No fee is charged for the permit. All agents or salesmen for outside nurseries must apply for an agent's permit. Every package of nursery stock shipped into the State must be clearly labeled with the name of the consignor, consignee, statement of contents and a certificate showing that the stock therein contained has been inspected where grown by a duly authorized inspector and found to be apparently free from dangerously injurious insect pests and plant diseases. The transportation companies are not permitted to deliver nursery stock unless so labeled. Leonard Haseman, Entomologist and Chief Inspector, University of Missouri, Columbia, Mo.

MONTANA.—All stock brought into the State must be unpacked, inspected and fumigated, if necessary, at one of the designated quarantine stations, viz.: Glendive, Miles City, Billings, Bozeman, Lewiston, Helena, Great Falls, Missoula, Victor, Como, Darby, Plains, Mondak, Glasgow, Havre, Kalispell, and Eureka. Nursery stock may be inspected and fumigated at other points of delivery on payment of all costs. All correspondence and notice of shipment, including an invoice of stock, must be sent to M. L. Dean, State Horticulturist, Missoula, Mont.

NEBRASKA.—All nursery stock shipped into the State shall be labeled with the names of consignor and consignee and a certificate showing inspection since July 1 preceding. Prof. Lawrence Bruner, State Entomologist, or Prof. Myron H. Swenk, Assistant State Entomologist, University of Nebraska, Lincoln, Neb.

NEVADA.—Nursery stock shipped from other states shall bear on the outside of each car, bale or package a label giving the names of the consignor and consignee, together with a copy of an inspection certificate of recent date. Such certificate of inspection must bear the signature of a qualified person in authority in the State in which such nursery stock was grown. No transportation company shall deliver any nursery stock lacking such official certificate of inspection. S. B. Doten, Director, Experiment Station, Reno, Nevada.

NEW HAMPSHIRE.—Nurseries are inspected at least once each year. Shipments into the State must be accompanied by a certificate of inspection or, in lieu thereof, an affidavit showing that the stock has been fumigated with hydrocyanic acid gas, using not less than 2/10 of 1 gram of cyanide of potassium per cubic foot of space, in an air-tight compartment for not less than 40 minutes. A copy of the certificate of inspection or a copy of the affidavit must be attached to each car, box or package shipped into the State. Hon. Andrew L. Felker, Commissioner of Agriculture, Durham, N. H.

NEW JERSEY.—The law requires the inspection of all nurseries at least once in each year. Shipments into the State must be accompanied by a certificate of inspection of current date, or copy thereof, attached to each car or parcel, together with a statement from the shipper that the stock therein is a part of the stock inspected, and stating whether such stock has been fumigated with hydrocyanic gas or not. It shall be the duty of all carriers to refuse for transportation within the State all stock not accompanied by a certificate of inspection. All stock coming into the State may be detained for examination, wherever found, by the State Entomologist or the State Plant Pathologist, and if found to be infested with any insects or plant diseases, injurious or liable to become so, will be destroyed. Dr. T. J. Headlee, State Entomologist, New Brunswick, N. J.; Dr. Mel. T. Cook, State Plant Pathologist, New Brunswick, N. J.

NEW MEXICO.—No law relative to transportation of nursery stock. The Territorial Legislature of 1903 provided for county boards of horticultural commissioners which were given authority to control orchard pests. Prof. Fabian Garcia, Horticulturist, Agricultural Experiment Station, State College, N. M.

NEW YORK.—See pages 171-175 inclusive.

NORTH CAROLINA.—Every shipment of nursery stock into this State must be accompanied by a valid copy of a certificate of inspection. Every person, firm or corporation desiring to ship nursery stock into this State must file a copy of their certificate with the entomologist. It will be of advantage to the nurserymen if they attach a guarantee of fumigation to the shipment. A copy of regulations will be sent on application. Franklin Sherman, Jr., Entomologist, State Department of Agriculture, Raleigh, N. C.

NORTH DAKOTA.—The director of the Experiment Station is authorized to cause inspection and prescribe treatment of diseased nursery stock. Shipments into the State must bear a certificate of inspection. Every person who employs agents or salesmen or who solicits for the sale of nursery stock must obtain a license upon the payment of \$10 and upon filing a certificate of inspection and a \$500 bond. Said license will permit holder to do business in the State for one year. Director North Dakota Experiment Station, Agricultural College, N. D.

OHIO.—Shipments of nursery stock entering the State must bear the name of the consignor and consignee and be accompanied by an official certificate of inspection or fumigation. Transportation companies are required to notify the State Board of Agriculture of all shipments of nursery stock entering the State. Agents are required to pay a license fee of \$1 and dealers a license fee of \$5, also to file sworn statements that the stock which they sell or deliver has been officially inspected and was received by them accompanied with a valid certificate of inspection or fumigation. N. E. Shaw, Chief, Bureau Nursery and Orchard Inspection, Columbus, Ohio.

OKLAHOMA.—The following is a copy of surety bond to be used by nurserymen outside the State of Oklahoma who desire to dispose of nursery stock in the State of Oklahoma:

In accordance with Section 17, Senate Bill 342, Oklahoma Session Laws of 1914-15, this surety bond guarantees to the state of Oklahoma that the nursery represented will not dispose of nursery stock of an inferior grade, or nursery stock that is untrue to name, or nursery stock infested or infected with insects or diseases that are considered to be injurious by the Oklahoma State Board of Agriculture. Furthermore, the nursery represented in this bond guarantees by this bond to strictly comply with the law established by the state of Oklahoma and the rules and regulations promulgated in compliance therewith, by the Oklahoma State Board of Agriculture.

Approved July 1, 1915.

F. M. GAULT,
President, State Board of Agriculture,
Stillwater, Okla.

OREGON.—The State Board of Horticulture has charge of inspection within the State. All nursery stock brought into the State must be inspected at station of delivery before delivery to consignee. If found infected or infested, nursery stock must be returned to consignor or destroyed. Peach pits, peach trees and scions and other trees on peach roots grown in or coming from districts where peach yellows, little peach or peach rosette are known to exist, are prohibited entry. Every carload and case containing nursery stock, trees, plants, etc., must have plainly marked thereon in a conspicuous manner and place the name and address of consignor; name and address of consignee; name of country, State or territory where contents were grown and must show that it contains nursery stock, seedlings or seeds. Address State Board of Horticulture, Portland, Oregon.

PENNSYLVANIA.—Nurseries must be inspected at least once a year, and no nurseryman, agent, dealer or broker can legally sell or ship stock without a certificate of inspection. Certificates of fumigation are required to accompany shipments from other states, and the word "fumigated" printed or stencilled on or accompanying the certificate of inspection will not be accepted unless it is apparent that such word is a part of the certificate granted by a State inspection officer.

Nurserymen from other states are required to file affidavits that all nursery stock of kinds subject to infestation by San Jose scale will be properly fumigated before shipment into the State. Blanks furnished upon applica-

tion. Dealers in nursery stock are granted certificates upon application and the filing of a statement that they will buy nursery stock only from nurserymen or growers holding valid certificates of inspection.

Transportation companies are required to reject all stock entering the State, unless certificates of inspection and fumigation are attached. Prof. H. A. Surface, Economic Zoologist; Enos B. Engle, Chief Nursery Inspector, Harrisburg, Pa.

RHODE ISLAND.—The Inspection Law provides that the State Board of Agriculture shall appoint a State Entomologist whose duties it shall be to inspect nurseries and orchards and to grant an annual certificate for sale of nursery stock. All nursery stock shipped into the State must bear on each package a certificate that the contents have been inspected by an authorized inspection officer. The State Entomologist is, furthermore, authorized to inspect any nursery stock which comes into the State, even when sent in under an official certificate, if he deems it advisable, and shall order its return to the consignor if any injurious insects or plant diseases are found therein.

An affidavit of fumigation is no longer accepted in lieu of official inspection.

Agents who have no nursery, and who wish to sell nursery stock within the State, must apply to the State Entomologist for an agent's license and must state where they propose to purchase their stock to be sold. A. E. Stene, State Entomologist, Kingston, R. I.

SOUTH CAROLINA.—Stock coming from other states, provinces or foreign countries and consigned to points within this State must have attached to every bundle or package an interstate tag or permit issued by the South Carolina Crop Pest Commission. This interstate tag or permit can be issued only after the certificate of inspection of the State, country or province where shipment originated has been approved by the South Carolina State Crop Pest Commission and filed in the office of the entomologist or pathologist of the said commission. It is further required that the fumigation certificate of the South Carolina State Crop Pest Commission be properly filled out and filed in the office of the entomologist or pathologist of the commission before the interstate tag or permit can be issued, unless the official inspection certificate includes a statement that the nursery is properly equipped for fumigating. Prof. A. F. Conradi, State Entomologist; Prof. H. W. Barre, State Pathologist, Clemson College, S. C.

SOUTH DAKOTA.—All nursery stock shipped into the State must be accompanied by a certificate of inspection issued by the State Entomologist of the State from which it was shipped. Any person, firm or corporation owning a nursery which sells stock to be delivered in this State must certify where the stock was grown and attach this statement to all shipments. Harry C. Severin, State Entomologist, Brookings, S. D.

TENNESSEE.—Nurseries are inspected annually, or oftener if necessary. Any person, firm or corporation without the State, desiring to do business

within the State, shall file with the State Entomologist and Plant Pathologist a copy of his certificate of inspection issued and signed by proper official of the State, as well as an agreement to fumigate properly all stock shipped into the State. Every shipment must be accompanied by a copy of said certificate of inspection and a fumigation tag. Every individual sale or bill of trees shall bear a copy of certificate. Failure to comply with the requirements subjects stock to confiscation.

Following is the form of required agreement to fumigate:

We, the undersigned, agree to fumigate with hydrocyanic acid gas, according to the required strength, all nursery stock subject to attack from San Jose scale and other dangerous insect pests. We also agree to attach a fumigation tag to each and every shipment going into the state of Tennessee.

Prof. L. O. Bing, State Entomologist and Plant Pathologist, Knoxville, Tenn.

TEXAS.—Nurseries and greenhouses are inspected annually. All shipments of nursery stock originating outside the State must not only bear shipping tags showing copy of certificate of inspection from the State Inspector of the State in which the shipment originates, but in addition thereto must have a tag showing copy of permit from Texas. Freight and express companies in this State are prohibited from receiving or delivering shipments which do not bear tags showing copy of Texas permit and they are exempt, by law, from damages arising from refusal to deliver such shipments.

No nursery stock shall be shipped into the State by any person or company without first filing with the State Department of Agriculture a certified copy of certificate of inspection from State Inspector of the State in which the shipment originates. A fee of \$5 is required for issuance of permit to ship into the State. Agents or dealers operating in Texas for nurserymen outside of the State, must procure proper credentials, as agents, from their nurseries, on a form furnished and approved by the Commissioner of Agriculture, and each agent or dealer must be prepared to present such credentials at all times.

Dealers are classed as nurserymen and are required to take out permit. Greenhouses and greenhouse plants are included for inspection by the Texas law and all State Inspectors should advise their nurserymen, florists or owners of greenhouses that they must have a Texas certificate before they can make shipments into the State. Ed. L. Ayers, Chief Inspector, Austin, Texas.

UTAH.—No person shall engage in the business of selling or importing nursery stock without having first obtained a license to do business in the State. Any person may obtain a license from the State Horticultural Commission upon the payment of a fee of \$2.50 annually and by filing with the State Horticultural Commission a bond in the sum of \$500. Each salesman or agent must hold an authorization from the firm he represents, giving his name and the name and address of the persons he represents, together with the license number of his principal. A copy of the certificate of inspection must be attached to each shipment. All nursery stock will be

quarantined on arrival and, if deemed necessary, disinfected or destroyed at the cost of the owner. J. Edward Taylor, State Horticultural Inspector, Salt Lake City, Utah.

VERMONT.—Nurseries are inspected annually. Nursery stock shipped into the State shall be accompanied by a certificate of inspection and the name and post-office address of the consignor and consignee. M. B. Cummings, State Nursery Inspector, Burlington, Vt.

VIRGINIA.—Before selling nursery stock, it is necessary to procure from the auditor of public accounts, Richmond, Virginia, a certificate of registration for which the fee is \$20 for principals, duplicates for agents' use free. Send certified check or draft for \$20 drawn or indorsed payable to the Treasurer of Virginia. (Personal checks will not be accepted.) Duplicate of certificate of nursery inspection must be filed with the State Entomologist, who will furnish tags at cost, and one tag must be attached to each package of stock to be sold in the State. W. J. Schoene, State Entomologist, Blacksburg, Va.

WASHINGTON.—No person shall sell or distribute nursery stock or solicit for sale without first obtaining a license to conduct business in the State. All licenses expire July 1st. The license fee for nurserymen and tree dealers is \$5, and for agents \$1. Nurserymen and tree dealers must execute a bond in the sum of \$1,000 to cover compliance with the State laws in that the nursery stock covered by said license be true to name and variety.

The State is divided into ten horticultural districts and an inspector-at-large is in charge of each district. All shippers of nursery stock into the State must give notice of their intention to ship by notifying the inspector-at-large into whose district the shipment is made, and sending a copy to T. O. Morrison, Assistant Commissioner of Agriculture, Division of Horticulture, Olympia, Washington.

WEST VIRGINIA.—The Commissioner of Agriculture has power to provide quarantine regulations concerning the transportation and sale of nursery stock. No person or corporation either for himself or as agent for another shall offer for sale, sell or deliver nursery stock unless he shall have first procured from the Commissioner of Agriculture a certificate of registration, the annual fee for which is \$5. All nursery stock entering the State must be accompanied by a certificate of inspection and also by an official permit tag obtained from W. E. Rumsey, State Entomologist, Morgantown, W. Va.

WISCONSIN.—All persons, firms or corporations shipping nursery stock into the State are required to file a duplicate certificate of inspection, and secure a State license at the cost of \$5, if selling at retail or through agents. Each shipment must bear certificate tags which shall be attached to each package, box or carload lot. Transportation companies are forbidden to deliver nursery stock unless accompanied by valid certificate tags. All

agents selling nursery stock within the State must be supplied with an agent's duplicate license at the cost of \$1, which shall bear the same number and date as that of the principal. Wilful misrepresentation of quality or variety of stock offered for sale shall constitute a punishable misdemeanor. Prof. J. G. Sanders, Entomologist and Chief Nursery Inspector, College of Agriculture, Madison, Wis.

WYOMING.—Licenses are issued on application for a period terminating on July 1 of the next succeeding inspection year (approximately two years). Applications should be accompanied by the license fee of \$25, a bond in the sum of \$500, and by a certified certificate of inspection from an authorized inspector in the State from which shipments are to be made. On receipt of these the Secretary of the State Board issues authorized shipping tags at cost. Transportation companies may not deliver unless such tag be attached to each shipment. A copy of the law may be secured from the Secretary of the State Board of Horticulture, Prof. Aven Nelson, Laramie, Wyo.

CANADA.—No nursery stock shall be imported that is infested with any of the following insect pests or diseases: San Jose scale, brown-tail moth, gypsy moth, woolly aphid, West Indian peach scale, potato canker, gooseberry mildew, internal and external parasitic diseases of potato, branch canker, blister rust of white pine, Mediterranean fruit fly, potato tuber moth. Nursery stock shall be imported only through the ports and during the periods mentioned: Vancouver, B. C., from October 1 to May 1; Niagara Falls, Ont., from October 1 to May 15; Winnipeg, Man., North Portal, Sask., and St. John, N. B., from March 15 to May 15, and from October 7 to December 7; Windsor, Ont., and St. Johns, Que., from March 15 to May 15, and from September 26 to December 7.

Importations by mail are prohibited. The port by which it is intended that the nursery stock shall enter shall be clearly stated on each package, and notice of shipment must be sent to the Dominion Entomologist, Ottawa. European nursery stock and certain other classes of vegetation may in the case of certain ports be allowed to proceed and shall be inspected at point of destination, but must not be unpacked except in the presence of the inspector. Copies of the regulations governing the importation of nursery stock into Canada may be obtained from Dr. C. Gordon Hewitt, Dominion Entomologist, Ottawa, Canada, to whom all inquiries should be addressed.

Twenty-three states require that duplicate certificates of inspection be filed, under certain provisions, with the inspection authorities of several states, and for this purpose duplicate certificates have been issued. We have also issued special certificates of inspection, largely to persons who have a few trees or plants to ship, but who are not known as nurserymen or dealers in commercial nursery stock. The requirements of the postoffice authorities, that no nursery stock shall be sent in the mails unless

accompanied by a certificate, has caused considerable delay on account of ignorance on the part of those who wish to make small shipments in that way. The nurserymen who hold regular certificates of inspection have no trouble from this source. So far as possible we have complied with the requests for certification for this purpose. The following is an approximate estimate of the trees growing in the nurseries of this State:

Number of Nursery Certificates.....	640
“ “ acres	11,911
Number of Vineyard Certificates.....	32
“ “ acres in vineyards.....	610
Apple, two year.....	8,136,214
“ one year.....	4,700,415
“ seedlings	5,340,440
Pear, two year.....	2,272,409
“ one year.....	2,146,940
“ seedlings	2,415,700
Dwarf Pear, two year.....	398,094
“ “ one year.....	528,225
“ “ seedlings	383,100
Plum, two year.....	1,338,165
“ one year.....	2,082,750
“ seedlings	2,264,700
Cherry, two year.....	3,396,676
“ one year.....	3,210,750
“ seedlings	4,470,170
Peach, two year.....	1,443,023
“ one year.....	2,069,800
“ seedlings	5,747,150
Quince, two year.....	433,777
“ one year.....	357,050
“ seedlings	763,000
Apricot, two year.....	25,624
“ one year.....	37,575
“ seedlings	22,000
Ornamental trees.....	20,378,437
Ornamental trees, 13 acres.	
Shrubs	9,087,465
Currants	6,395,114
Currants, 173 acres.	
Gooseberries	2,028,744
Grapevines	22,004,347
Grapevines, 143 acres.	
Raspberries	91,682
Raspberries, 534 acres.	
Blackberries	56,902
Blackberries, 58 acres.	
Strawberries	455,000
Strawberries, 211 acres.	
Number of diseased trees. San Jose scale.....	9,500
Number of trees infested with pine shoot moth.....	225
Herbaceous, bulbs and roots.....	2,105,000
Hardy perennials.....	177,300
Dwarf Apple, two year.....	15,000
“ “ one year.....	15,000
“ “ seedlings	30,000
Rose Seedlings.....	42,200

SHIPMENT INSPECTION

In 1910, an amendment was made to the law, and this for two reasons: the inspection authorities of the State of Massachusetts announced that they would not commit themselves in their certificates of inspection to nurserymen or give any assurance that the nursery stock shipped from Massachusetts would be free from egg masses of the gipsy moth, the reason given being that the winter form of this injurious insect was so obscure that certain evergreen trees on which the egg masses are located could not be adequately inspected. The same year consternation prevailed among the nurserymen of the State owing to the fact that shipments of nursery seedlings and stocks from abroad were arriving in this State badly infested by the winter nests of brown-tail moth. Neither of these pests have become established in the State of New York, and extreme measures were taken to prevent their coming and to avoid their distribution.

The amendment to the law provided that all nursery stock coming into the State should be examined at point of destination. To carry out this provision, the Commissioner of Agriculture was authorized to issue orders relative to injurious insect control and the control of deleterious fungous diseases of trees and plants. Under this authority orders were issued requiring all persons who received nursery stock from points outside of the State of New York to hold it packed or unopened until an inspector could be present to examine the shipments. This particular line of work is rather expensive although it has been justified many times by the discovery of infested stocks of trees and plants which surely would have caused the establishment of deleterious pests within our borders. It may seem unnecessary to go some distance to examine small packages of nursery stock, but it is through the careless introduction of small packages that great injury may accrue.

Owing to the short time in which nursery shipments are received in the State, it is not strange that occasionally some packages may be overlooked. In two cases this has occurred, and the eggs of the gipsy moth were brought into the State of New York and became established in limited localities. In one case the cost of eradication may have been as much as five thousand dollars; and in another case, where the gipsy moth had a little

longer time to spread in the mountainous and wild regions of Westchester county, the expense of suppression may have been twenty-five thousand dollars. These expenditures were justified on the ground that in as much as this pest had not become established within the State of New York, every effort should be exerted to stamp it out at the very beginning of its development. When we consider that the New England States spent upwards of ten million dollars for the control of the gipsy moth and brown-tail moth, it would seem that there should be no criticism against this State for expending such amounts in eliminating the very first outbreak. The inspection of shipments coming into the State indicates that the longer the law is enforced the more satisfactory the nursery stock received is and the more remarkable is its freedom from insects and diseases.

In 1915 notice was received at this office and inspections were subsequently made of 4,347 shipments from points within the United States and 1,749 shipments of importations from foreign countries. These shipments embraced upwards of twelve thousand boxes and packages of nursery stock. The only insect pests found not indigenous to this state were 9 webs of the brown-tail moth and 4 egg masses of gipsy moth. Three lots of the latter were from abroad.

CHRISTMAS TREE QUARANTINE

The Federal Department of Agriculture maintained a quarantine on certain New England States because of the presence of the gipsy moth and brown-tail moth and no Christmas trees or Christmas greens were permitted to be sent in interstate commerce outside of the defined quarantined area until July 1, 1915. Under the provisions of the regulations of the Federal Horticultural Board, in Notice of Quarantine No. 22, opportunity was given to ship Christmas trees and Christmas greens in interstate trade from the quarantined area, with no further restriction than provided by certificates of inspection granted before the shipments were made. In this State it was believed that it was quite impossible to make adequate inspection of Christmas trees and Christmas greens to insure that no egg masses of the gipsy moth were present. The egg clusters of this insect are very obscure, and experts, no matter how proficient, may overlook them. Fur-

thermore, it is known that Christmas trees and Christmas greens are collected on farms where the owners pay no attention whatever to the suppression of the pest. There is a great difference between receiving inspected nursery stock from nurseries where the proprietors and all of their men are alert in keeping the pests out of the trees, as compared with the known negligence of the farmers in the districts where infestation is present. In the latter case the trees are grown on wild land, and when sold bring very little money. We felt it our duty, therefore, to forbid the shipment of Christmas trees and Christmas greens into the State of New York from the Federal quarantined area of New England. This was done by order of Commissioner Wilson, dated September 27, 1915.

Another supporting cause for taking this stand was that provided by our law, which requires the inspection of all plant material at point of destination. Christmas trees come into the State in open cars, and are often covered with cinders, ice, and snow; no human being can inspect Christmas trees in such condition with any assurance as to whether or not egg masses are present. Hundreds of carloads of Christmas trees, traced from their origin to point of destination were examined, and we are satisfied that the quarantine order issued by the Commissioner was very generally observed by shippers.

We hesitated for some time before placing this quarantine, as we felt that we ought not to do anything that would bring criticism upon the most excellent work that is being done by the officers of the Federal Quarantine Board, which has charge of the moth work in New England. No criticism was intended and no reflection on the thorough work of the Federal men can justly follow the action of this State. One other State followed the quarantine methods of this Department relative to the gipsy moth problem.

Report Bearing on Christmas Tree Inspection at the Port of New York for the Year 1915

In view of the fact that the State of New York issued a notice of Quarantine against the gipsy-moth infested area of New England, it became necessary to inspect, or at least determine the point of origin of all consignments consisting of Christmas greens

shipped into the State. Notices of shipments were forwarded to Albany and thence to Mr. H. C. Sands at the New York office. These notices gave the car number, the date of shipment, and name of the consignee. With this information the inspector was required to find the shipment and determine if it was desirable to examine it.

It is to be noted that there are in the neighborhood of sixty terminals in New York City and that with the information as furnished, it was practically impossible to locate a shipment. The cars were often consigned to the original loader at New York. Here they were shifted according to his wishes, so that the ultimate setting of the car was obscure. In fact the cars were often located after they had been unloaded and their contents distributed.

In order to remove these difficulties, Mr. Sands visited each railroad involved in Christmas green traffic and ordered that the arrival in New York of each car be reported to him by telephone, and that he be furnished at the same time with the following data: Car number, car initials, name of consignee, point of origin, and point of loading. From this information it was determined if an inspection was desirable. In addition a record showing the date that the car was reported, was kept.

Having determined the origin of a shipment and having found that it originated at some point outside of the quarantined area, the railroad was notified by phone to that effect and directed to set the car according to the wishes of the consignee. In several cases shipments appeared to be made in violation of the regulations, since the waybills showed that they originated at points within the quarantined area such as Deering Junction, or Brunswick, Maine. These cars were held pending an investigation and, upon communicating with Mr. Rogers at Boston, Massachusetts, in charge of the Federal Quarantine against gipsy moth, it was found that the consignments had been cut at places outside of the quarantined area and the cars shunted to the junction points for billing. It developed that United States Inspectors had gone with the cutters and staked out certain tracts from which the stock was drawn. It further developed that the Federal agents of the quarantined area refused certification to Christmas greens cut within the infested area and consigned to any point within the

State of New York, so that the movement of this material was blocked at both ends. This explains why no violations were uncovered.

The only delay in releasing shipments was due to the fact that the waybills showed the point of origin to be within the infested area and it was necessary to establish the history of the stock before releasing it without an inspection. This was done with as much dispatch as possible.

It seems desirable to emphasize that the telephone reporting of these car lots by the railroads, and the consequent release of the same, by reason of delay, may easily become a source of great annoyance to these companies. Often when the Department is advised, the cars are in transit upon floats from Hoboken to Long Island City, or some similar routing. If the information is returned within half an hour, it may prevent breaking up trains and switching cars to sidings until it is determined that inspection is not desired, whereupon the trains are again made up. By prompt reports from the Department this unnecessary work may be eliminated.

It is necessary each day to confirm in writing, to the terminal reporting the shipment, those released by the Department, so that, should an oversight occur on the part of the railroad clerk, an unnecessary charge for demurrage damages may not be accredited to the Department of Agriculture.

It was ordered that all cars found in apparent violation should be inspected. Where cars were held to determine their origin and routing, inspection was offered the consignee. This often avoided a delay which might mean a financial loss. The following cars of trees, as per our instructions to the railroads, were reported:

From New England	111 cars.
From Canada	18 cars.
From New York	7 cars.
From Nova Scotia	1 car.
From Pennsylvania	1 car.

In addition there were four consignments of way lots, totaling 481 bundles of table Christmas trees, for which the following points of origin were given:

From Dalton, Mass.....	39 bundles.
From Hinsdale, Mass.....	88 bundles.
From North Adams, Mass.....	78 bundles.
From Nova Scotia	276 bundles.

All cars were released without delay except the following:

Car N. Y., N. H. & H.—35904 held at New Haven yard December 9 to December 14. Car loaded at Rumford, Maine, which is within the area. Upon determination that the stock was cut in Mexico, Maine, from staked areas as directed by United States agents, the release was ordered.

Car M. C.—7883, held December 13 to December 14 for same reason as above mentioned.

Car M. C.—15341, held December 16 to December 17 at Wallabout basin, Brooklyn, N. Y., in the New York Central Terminal. It appeared to be loaded at Ellsworth Falls, Maine, which is within the infested area. We were advised by the United States Inspector that the stock was cut in Waltham, across the line of the infested area, and the release of the car followed.

Car M. C.—7646, point of origin given as Brunswick, Maine, reported by New York Central Thirty-third street station on December 23. Upon determination, it was found to originate at Oquossoc, Maine. Its release followed on December 24th.

Two hundred and seventy-six bundles of table Christmas trees were held at Wallabout basin, Brooklyn, in the New York Central Terminal, billed from Boston, Massachusetts. They were released on affidavit by Bradbury & Company to the effect that they were reconsigned at this point from Nova Scotia, which was later confirmed by Federal agents.

In conclusion it seems desirable to point out for the future that the relations between the Department and the agents of the transportation companies involved in the traffic were and still remain most satisfactory. The method of obtaining information for the proper location of cars at this great terminal might easily become a source of great friction, if not actual defeat for the Department, should unnecessary trouble and delay be caused.

All correspondence and records of reports are on file and may be consulted at any time.

SCOUTING INSPECTION

This phrase relates to a class of work which is taken up irregularly during the year, the object of which is to locate the presence of any deleterious pests. The possibility that the gipsy moth or brown-tail moth may have been brought into the State over the highways or railroads, has made it necessary to examine the territory with care and with a view to locating the pests if present.

Early in the winter of 1915, we sent six men to the eastern end of Long Island, and to Fishers Island, to examine the section for brown-tail moth, several nests of which were found in 1914. Only two small nests of brown-tail moths were discovered, and it is hoped that the inspections of this winter will not reveal any further infestation there. It is believed, though we have no proof on this point, that some disease or other is affecting the development of this pest.

During the summer we finished the examination of practically all shipments of nursery stock that were received in this State five years previous to the inspection provided by the Federal Horticultural Board. A great many parks and private estates were carefully inspected and no gipsy moths or brown-tail moths were discovered.

GIPSY MOTH AND BROWN-TAIL MOTH

A few years ago a small outbreak of brown-tail moths was found near Portchester, the moths having been introduced the year previous by means of nursery stock from the east. That colony was entirely destroyed as a result of prompt methods and there have been no recent developments there.

Five years ago a small outbreak of gipsy moths was found in Ontario county, but two years attention to their eradication freed that section of them, as shown by frequent inspections up to the present time. We have, therefore, only two known suspicious localities: one on Long Island for brown-tail moths; and one near Mount Kisco, where gipsy moths were discovered in 1914.

The following article, giving full information of the outbreaks of the gipsy and brown-tail moth in New York State, was prepared by the writer and furnished to the New York Forestry Association. It was published in the July, 1915, bulletin of the association.

THE GIPSY AND BROWN-TAIL MOTH IN NEW YORK

SOURCE AND SPREAD OF THE INSECT

The gipsy moth was first brought into Massachusetts in 1868 by a naturalist who imported from France a few of these insects for the purpose of improving upon the constitutional hardiness of silkworms. Unfortunately, some of the insects escaped and locally for several years did considerable damage. About the year 1890, the caterpillars became a nuisance and it was found that about twenty townships were infested and suffering from their depredations.

As soon as it was generally known that the gipsy moth had become established in Massachusetts, the State and several municipalities began the work of extermination. Over a million and a quarter dollars were spent on this effort previous to 1890. The results of the work were so successful that the few remaining insects failed to attract popular attention and the Massachusetts Legislature stopped further appropriations contrary to the advice and urgent protests of expert entomologists who claimed that just then was the critical time and with the work of extermination so nearly accomplished, it would be folly to give it up. However, the State made no appropriations but cities, towns and individuals spent over three millions of dollars from 1900 to 1904. In 1905, the damage done by the pest was so great that a widespread popular demand for relief was met by State funds and the enactment of laws providing for municipal and township tax for suppressing the pest, the hope of extermination having been abandoned.

The infested area in Massachusetts grew from 359 square miles in 1900 to 2,234 square miles in 1905, and up to 4,970 square miles in 1914. By 1915, the gipsy moth had spread from the first center of infestation into other New England states covering 4,960 square miles in New Hampshire, 4,850 miles in Maine, 450 square miles in Rhode Island, a total of 15,235 square miles in the four states, this moth not having been found in Vermont, and the two or three isolated colonies that had previously appeared in Connecticut were entirely eliminated.

THE BROWN-TAIL MOTH IN NEW ENGLAND

About the year 1890, the brown-tail moth was introduced in Massachusetts on nursery stock from abroad. This insect has also a bad record in European countries where it has been established for a great many years. Its food plants are generally the oak and pear, on which it feeds to a destructive extent. The caterpillars are not as large as those of the gipsy moth but they are unwelcome pests in a residential community as the barbed hairs of the caterpillars produce upon many human beings an exceedingly annoying irritation commonly called the brown-tail itch. Injury to the eyes and to the lungs has become quite common in areas infested by this pest.

By 1897, the spread of the brown-tail moth had been so great that it became properly recognized as a pest that must be exterminated, and since that time the gipsy and brown-tail moth have been fought together and are the pests meant when the "moth work" is mentioned. In 1914, the area in square miles infested by the brown-tail moth was as follows: Maine 12,450.

New Hampshire 8,100, Vermont 2,635, Massachusetts 6,510, Rhode Island 1,250, and Connecticut 1,475, a total of 32,420 square miles.

The first appropriation made by the Federal Government for the moth work was in 1906 when the sum of \$82,500 was set aside "to prevent the further spread of gipsy and brown-tail moth." The Federal appropriations have been increased until the present year when the sum available for this year's work is \$300,000. Increasing appropriations have been necessary for the reason that the Government, through the Federal Horticultural Board, has, by a strict quarantine, been successful in controlling the distribution of the moths in interstate commerce. All shipments of plant material from New England are made under Federal certification. It is also a monumental work to locate the outlying districts in New England for the purpose of bringing new territory under quarantine restrictions, and, when determined, a large amount of spraying is done by the Federal Government along the highways for a distance of about three hundred feet on each side.

An interesting feature of the work of the Federal Government is that of collecting and breeding parasites for the two moths, and a recent report from the Federal Government states that excellent results from the imported parasites of the gipsy moth have been obtained during the past year. Over two thousand colonies have been located in a large number of towns. Good results are also expected from the wilt disease of the caterpillars, but before much can be expected from this source of control, a large amount of work is still necessary.

A recent result of investigations in connection with the spread of the gipsy moth has grown out of the discovery that even gipsy moth caterpillars require a variety of food. They will not always mature or complete their growth if confined to a single species of plants. Wherever possible, therefore, plants that are especially susceptible to the attacks of the caterpillars should be replaced by trees on which they do not thrive. This can be frequently done as a forestry proposition of distinct commercial importance. In many infested areas there are large numbers of oaks and gray birch. These are susceptible to the attacks of the gipsy moth. The white pine, on the other hand, is immune except when growing with oak or gray birch and if substituted for the other trees, will grow to much better advantage and yield much more valuable products.

The moth work of the Federal Government is under control of Dr. L. O. Howard, Chief of the Bureau of Entomology. Prof. A. F. Burgess, 43 Tremont St., Boston, Mass., has charge of the parasite work. Mr. D. M. Rogers has charge of inspection and certification of shipments, and Mr. L. H. Worthley has charge of the scouts locating the areas of infestation. The State of Massachusetts is doing a large amount of work under the direction of Prof. Rane, State Forester, Boston, Mass.

The work in Maine is in charge of the superintendent of moth work, Major E. E. Phillbrook, Portland; New Hampshire, Prof. W. C. O'Kane, Durham; Vermont, Hon. E. S. Brigham, Commissioner of Agriculture, St. Albans; Rhode Island, Prof. A. E. Stein, State Entomologist, Kingston; Connecticut, Dr. W. E. Britton, New Haven; New York, Commissioner of Agriculture, Albany.

THE MOTH WORK IN NEW YORK

The authorities in New York State naturally became alarmed as information was received from year to year relating to the spread in the New England states of gipsy and brown-tail moths. Justification for the alarm was emphasized by the occasional receiving of nursery stock from abroad and from New England, found infested with one or the other of the insects. A dozen or more shipments of nursery stock were examined at points of destination in which egg masses of gipsy moth were found. In the spring of 1909, over seven thousand nests containing live caterpillars of the brown-tail moth were found in importations of nursery stock from France. These were followed by half as many more in the spring of 1910. The fear that we might receive gipsy moth from Massachusetts, through the medium of shipments of nursery stock, was increased when the State Inspector of Massachusetts would not issue certificates to their nurserymen bearing the statement that the trees were apparently free from gipsy moth. The legislature of the State of New York at that time approved an act requiring the inspection at point of destination of all shipments of nursery stock made into the State of New York. This system of inspection has been carried out for several years and has been justified by the occasional discovery of infested and infected trees and plants, notably the San Jose scale, gipsy and brown-tail moth, pine-shoot moth, black knot, crown gall, chestnut blight disease, blister rust of the pine, etc.

In addition to the careful inspection of all shipments, close attention has been given to the inspection of highways leading from the infested areas in New England. These inspections embrace roadways and railroads, particularly stations and small towns where cars from New England might have been switched. A thorough examination was also made of all parks and estates where there was a possibility that infested material might have been received in years prior to governmental supervision.

Two years ago the Federal Government placed a quarantine on the moth infested areas of New England and permitted no shipments of plant material from these areas excepting under certification. Christmas trees, which are practically impossible of thorough examination for gipsy eggs, are not permitted to be shipped outside of the Federal quarantine area.

THE GIPSY MOTH SITUATION

It is a wonder that the gipsy and brown-tail moths were not before this time largely established at widely separated points in the State of New York. The Department of Agriculture has given, however, so much attention to the inspection of locations where plantings have been made prior to the time of systematic inspection, that it would seem that any colonies of gipsy moth should have been discovered. Within the period of our inspection so many instances have appeared indicating the ease with which a colony of either pest might become established, that our wonder may well be increased. In two instances, however, colonies of gipsy moth took lodgment within the State. These are the only ones known to exist at the present time.

The first was in Ontario County in an old orchard in the city of Geneva,

where about two hundred egg masses were found in 1912. This colony was entirely eradicated by the thorough destruction of all trees, hedge rows, buildings and old fences that afforded the least screen for the gipsys. So thoroughly was the work done that no gipsys could be found in 1913, 1914, or to date (May, 1915).

The other colony of gipsy moths found was in the densely wooded and rocky hillsides of a private estate four and one-half miles from Mount Kisco, and one-half mile back from the highway, where in the spring of 1914 over fifteen thousand egg masses of gipsy moth were destroyed. Most of these were in a single oak tree and in the natural rock work beneath.

After consultation with officials who are familiar with the gipsy moth, a plan was carried out under the direction of the Commissioner of Agriculture having in mind the single purpose of eradicating the colony. Hundreds of tons of loose rock were turned over and treated with gasoline. All of the egg masses that could be found within the area were treated with creosote. Over ten thousand trees were banded with burlap or tanglefoot and several tons of arsenate of lead were used for spraying all trees within one thousand feet of the infested section. It was too much to expect that such a colony which had been growing for three or four years could be eliminated in a single season, but in addition to the work done by the agents of the Department of Agriculture, the Federal Government sent several of their best scouts into Westchester County during the winter just passed and less than a dozen egg masses of the gipsy moth have been found by them.

To carry out the plan of the Commissioner of Agriculture to have this colony eliminated, it has been deemed best to practically double the amount of spraying that was done last year. This is necessary because of the fact that a part of the egg masses recently discovered were upon properties adjoining that of the original infestation, and of course the area of last year must be thoroughly sprayed again this year to insure success.

The habit of the gipsy moth of spreading slowly into adjoining townships from year to year, or spreading slowly from any center where the egg masses might have been carried, indicated that we should locate any such center of infestation and use every effort for elimination as has been done in Connecticut and in outlying sections of Massachusetts.

THE BROWN-TAIL MOTH CONDITION

This pest, as has been seen, may be brought into the State on nursery stock and the ability of the female moth to make a flight of many miles, perhaps fifty or more in a single season, indicates the way by which we may in time expect to have this unwelcome pest established, first in the eastern portion and ultimately all over the State.

The efforts of the Department of Agriculture are strenuous in the control of the brown-tail moth. The only place in the State where it has become established is an area of about twenty miles east and west on the extreme eastern end of Long Island. The first knowledge that we had of the brown-tail moth at that point was in the winter of 1913-1914. Less than two hundred small webs were found and destroyed. Inspection was made during the summer of 1914 and again during the winter of 1914-1915, and thorough

scouting revealed less than fifty webs, all of which were of medium or small size.

The origin of the moths on Long Island is not known, but it is supposed that they must have flown across Long Island Sound from New England territory. Flying by night, they were attracted by light-houses and the powerful search lights of steamers plying the Sound.

THE COST OF THE MOTH WORK

The appropriations for the horticultural work of the State of New York since 1910 averaged about fifty thousand dollars a year. It has been estimated that the total expenditure caused by the imported gipsy and brown-tail moths into this country is nearly ten millions of dollars on the part of the Federal Government, the states, municipalities and individuals. This makes no estimate for the damage and loss caused by the depredations of the pests. Property values have depreciated in sections where the brown-tail moth has become established.

A fair statement relative to the future of these insects is that where they become thoroughly established annual spraying will be necessary for many years to come. Where spraying is not done it is hoped that the introduction of parasites will be effective, but in cases where the trees must be saved now, it is not desirable to postpone spraying operations. Spraying, however, is destructive to many of the parasites on whose good work dependence is placed for eventually making a balance of natural conditions so much hoped for by entomologists.

It is reported that a small colony of gipsy moths has been found in New Jersey and that strenuous efforts are being made to destroy it. Ohio is the only other State that has the question to consider, as a small shipment of granite rock from New England carried with it a few egg clusters of gipsy moth. Strenuous efforts are being made there to locate the insects and have them destroyed before damage occurs.

The State Department of Agriculture wishes to acknowledge the very generous assistance and advice given by the officers of the Federal Government, Dr. L. O. Howard, Prof. Burgess, Messrs. Worthley and Rogers and also Dr. Felt, State Entomologist of New York, and Prof. P. J. Parrott, Entomologist of the New York Agricultural Experiment Station at Geneva.

In closing this sketch of the moth work it is proper to request that owners of trees in any part of the State who find caterpillar depredations shall communicate with the State Department of Agriculture at Albany and submit specimens for identification. The owners of some large estates are inclined to leave this problem to their gardeners and in some instances the gardeners have neglected to make desirable reports of the insects coming under their observation.

If there are other colonies of these pests at any point in the State of New York, it is not at present known. It will be seen, however, by the foregoing that it is not impossible, indeed it is quite probable, that there are such areas of infestation, therefore those who discover such should report the fact at the earliest possible moment to the end that the Commissioner of Agriculture may take such action as the law permits.

ORCHARD INSPECTION

When the inspectors of the Department have opportunity, from time to time, they give their attention to inspections of orchards in various parts of the State with a view to assisting the owners in the control of dangerously injurious insects and fungous diseases. Since there is no law requiring orchardists to spray their trees, as is the case in the western states, for the eradication of codling moth and similar insects, our work must be confined to the destructively injurious types. When the San Jose scale appeared in 1898, the orchardists themselves were very much alarmed and believed that it would be only a short time before their industry would be exterminated. At that time it was believed that the only remedy for the control of the scale was to have the trees dug out wherever infection was discovered, and a few orchards were condemned and destroyed. It was at least five years later that an adequate remedy for the control of San Jose scale was found. Formulas used up to that time were more destructive than the scale itself, and it became apparent that something must be done to find a remedy and save the fruit as well as the trees. The Department decided that no more orchard trees should be destroyed but that the then so-called lime-sulphur-salt solution should be used, if necessary, under compulsory orders of the Commissioner of Agriculture. Since that time the rapid improvement of insecticides and the remarkable development of spraying apparatus have been sufficient to not only save the trees from the scale insects, but to improve and preserve the fruit from the attacks of minor pests, and the enormous crops of fruit that are grown in this State at the present time indicate that the industry has been saved and that the losses feared by the fruit growers have not been realized.

As is well known during recent years the Department has endeavored through the Bureau of Farm Lands to induce persons to come into the State, or to move into the rural districts, and develop the low priced farm lands that are available for agricultural production. On many of these farms there are orchard trees that have been neglected, and, furthermore, one of the inducements offered to settlers on these farms is the favored one of fruit production. The inspectors of this bureau are frequently called upon

to advise relative to the treatment of old orchards, and to give opinions relative to sites for new plantings; thus, in many ways, the care of orchard trees comes under the supervision of our inspectors.

Considerable attention was given to the peach yellows and little peach diseases during the summer.

Since our so-called orchard inspection is but incidental to our other work, statistical records of what we have done do not show the very considerable usefulness that the inspectors of this Bureau are to the growers of fruit. Our inspectors live in strictly orchard counties, and their suggestions are drawn upon by owners of orchard trees who desire help.

The following is a statement of orchard work reported in 1915:

Number of orchards carefully inspected, 1,139.

Vineyards, 520 acres.

Currant plantations, 120 acres.

Berry plantations, 69 acres.

Number of trees in orchards, 1,175,000.

Number of trees diseased with yellows, 2,100.

Number of trees diseased with little peach, 760.

Number of trees infested by San Jose scale, blight, etc., 7,208.

Number of plants infested by scale, 1,125.

POTATO QUARANTINE

The work done in Franklin and Clinton counties during the past year was a continuation of the labor necessary under the Federal and State quarantine for these counties, for the control of powdery scab. The Federal Government gradually withdrew from the inspection and the potato quarantine was removed; first, by the Federal Government, and then by the State.

Much interest in this work was developed among the growers of potatoes in the northern part of the State, as there was a demand for potatoes for seeding purposes that were known to be free from disease. This subject is more fully set forth by the report of Mr. H. C. Sands, who had charge of the enforcement of the quarantine. Later during the year Mr. Sands had opportunity to visit several portions of the State to accumulate information relative to the diseases of this important crop. It is believed that the accompanying

report may be used as a guide on the subject of potato seed certification for the information of those who are interested, in the event that a statute on the subject is demanded by conditions that are believed to exist.

In this division of our work it has been necessary to arrange for the certification of cargoes of potatoes that are shipped from New York State to South American countries, since no potatoes are permitted to be shipped to those countries unless a certificate of inspection is attached indicating freedom from apparent disease. Such certificates have to be issued by this Department and copies of same are attached to the bills of lading, accompanied by affidavits of the shippers. All of these must be submitted to the consuls of foreign countries before the shipments can be accepted for transportation. The Federal Government continued this work until about the first of November, since which time we have given it attention, and the following is a statement of the volume of this work as shown by experts during the last year.

A REPORT BEARING ON THE IMPROVEMENT OF LONG ISLAND GROWN BLISS TRIUMPH POTATOES WITH THE RESULTS OF INSPECTION THEREOF

H. C. SANDS, Pathologist

INTRODUCTION

On the Island of Bermuda the growers of potatoes have suffered such losses from their inability to obtain vigorous seed that the Government of the Island has found it necessary to lend assistance.

Owing to the fact that Bliss Triumph and Garnet are the only two varieties that can be grown, the question became one of securing seed, especially of Bliss Triumph, which would give better yields; or, having the government take over the production of enough seed for their requirements. It was a common occurrence for the Bermudian grower to obtain less than he had planted.

On the Islands it is customary to plant one crop of potatoes following another. The seed for the planting that occurs in January is procured from either Maine or New Brunswick; seed for the planting in August is procured from Long Island. A matter of much interest is the fact that seed held over in Maine by cold storage, and intended to supplant the Long Island production dug about August first, shows such a marked reduction in yielding ability that it must be eliminated from practical consideration. This fact makes the Long Island Bliss Triumph a necessary link in the chain.

During the season of 1914, the Bermuda Government sent Mr. E. J. Wortley, Director of Agriculture for Bermuda, to both Long Island and Maine to study conditions with a view to improving the seed situation. It was dur-

ing this first trip that he paved the way for the work accomplished this year, which soon will be reviewed; but first it may be well to point out the situation of the trade relations on Long Island.

The growing of Bliss Triumph is done almost exclusively by contract. The seed is purchased in Maine on the open market by several large commission merchants of Brooklyn and New York. These in turn deliver it to several sub-contractors who in turn deal directly with the growers. The commission merchant in New York sets, at assigned stations, a car into which his sub-contractors have the crop loaded in miscellaneous fashion, so that the field identity of the potatoes is at once lost. It has been this stock, regardless of its fitness for seeding purposes and with little or no sorting, that has been offered to Bermuda.

During a trip to Maine in 1914, Dr. I. E. Melhus of the United States Department of Agriculture, at the request of Mr. Wortley, pointed out the best commercial field of Bliss Triumph that he had observed. This field was judged from the standpoint of vigor, yield, and freedom from disease; but did not, in being offered for sale, undergo any roguing or sorting. The field run was sold with the exception of very small potatoes and culls.

The commission men of New York were advised by Mr. Wortley of the possibility of obtaining this seed; but, since it was offered at twenty-five cents a sack more than that on the open market, this advance in price resulted in but two hundred of the six hundred sacks offered, finding their way to Long Island. The bulk of the seed planted there was purchased on the open market. A little later a comparison of this seed and that bought indiscriminately on the market will be discussed. The contrast was brought out by inspections conducted by Mr. Wortley and myself, and at times with Professor Sirrine, during July of this year.

The Bermuda Board of Agriculture passed the following Regulations:

INSPECTORS

1. The Inspector and Assistant Inspectors of produce shall be the officers responsible for inspecting potatoes imported into or landed in these islands.

DUTIES OF INSPECTORS

2. It shall be the duty of the Inspector or of the Assistant Inspectors to inspect and examine the contents of not less than 20 per cent of the barrels or packages in each consignment of potatoes imported into or landed in these islands either before they are landed or before they are removed from the shed whereon they shall have been landed, and the Inspector or Assistant Inspectors shall have the power to inspect all the packages and their contents of any consignment, and shall also have the power to reinspect subsequently at any place any such barrels or packages and their contents.

COUNTRIES DECLARED INFECTED

3. The following countries are hereby declared to be infected countries for the purposes of the Potato Importation Act, 1914:

Great Britain and Ireland.

The Countries of the Continent of Europe.

The Dominion of Canada except the Province of Nova Scotia.
Newfoundland.

The Islands of St. Pierre and Miquelon.

4. (1) From and after the second day of July, 1915, the importation or landing in these islands of potatoes from the above mentioned infected countries is prohibited.

(2) No potatoes will be permitted to be imported into these islands from any state or district in the United States of America which shall be placed in quarantine by the Federal Horticultural Board, unless each consignment is accompanied by a certificate from a duly recognized Government authority that such potatoes are free from any suspicion of any contamination from powdery scab or black wart, and each package shall have plainly marked thereon or attached thereto the number of the certificate under which it is so certified.

(3) No potatoes shall be permitted to be imported into these islands from the Province of Nova Scotia, in the Dominion of Canada, unless each consignment is accompanied by a Provincial or Federal Certificate that such potatoes are free from any suspicion of any contamination from powdery scab or black wart, and each package shall have plainly marked thereon or attached thereto the number of the certificate under which it is so certified.

FIELD INSPECTION IN COUNTRY OF ORIGIN

5. (1) No seed potatoes will be permitted to be imported into these islands unless the importer shall satisfy the Inspector or Assistant Inspectors that the field in which they were grown has been certified by a duly authorized representative or representatives of the Board of Agriculture for Bermuda to be free from any appreciable quantity of disease, degenerate or low-yielding plants such as would in the opinion of the said representative or representatives prejudice the value of the potatoes for seed purposes.

(2) Condemned seed stock shall not be imported for any purpose, and any such condemned seed stock which may have been imported or landed here shall be destroyed or shipped out of the Colony at the discretion of the Board.

CANKER WART DISEASE, ETC.

6. Any barrel or package found to contain one or more potatoes with canker wart or powdery scab, or any other disease, the presence of which in these islands would be likely in the opinion of the Board of Agriculture to seriously prejudice the interests of the potato growers of these islands shall, together with all its contents, be destroyed or dealt with as the Board shall determine. Any barrel or package found to contain any potato insect pest, or any other potato pest, in any stage of its life history, that in the opinion of the Board of Agriculture is likely to seriously prejudice the interests of the potato growers of these islands, shall together with all its contents be destroyed or otherwise dealt with as the Board shall determine.

SMALL POTATOES, ETC.

7. (1) When a barrel or package is found to contain any of the following classes of potatoes the Inspector or Assistant Inspectors shall have the right to order that it be sorted and again submitted to him for inspection after all potatoes of the classes mentioned have been discarded:

- (a) Small potatoes, that is, potatoes under $1\frac{1}{4}$ inches in diameter.
- (b) Potatoes in a diseased condition.
- (c) Potatoes that are not the type or variety they are represented to be.
- (d) Potatoes affected with common scab.

(2) Discarded potatoes of any of these classes shall not be sold except under such conditions as the Board shall determine.

MARKS ON PACKAGES

8. Every barrel or package containing potatoes imported into these islands shall have plainly marked thereon, or on a label affixed thereon or attached thereto, the name or the initials of the exporter to Bermuda, the name of the place in which

the potatoes were grown, and, in the case of seed potatoes, the type or variety contained therein, and the board may require the importer of any potatoes imported into these islands with respect to which this regulation has not been complied with to export the same from these islands within a time to be prescribed by the board, and the failure of the importer to export such potatoes accordingly shall constitute a breach of this regulation, and after such failure the board may, if it sees fit, direct such potatoes to be destroyed or otherwise disposed of with the view of preventing as far as practicable the introduction into the islands of injurious potato disease.

9. These Regulations shall come into force on the second day of July, 1915, and from and after that date the Regulations made by the Board of Agriculture on the twenty-second day of April, 1914, shall be rescinded.

It is to be noted that in Section 5, Nos. (1) and (2) of these regulations, a field inspection in the country of origin is provided for. It was on this inspection that I accompanied Mr. E. J. Wortley in order to represent the interests of the grower in passing judgment on the fields prescribed for shipment to Bermuda. Each field was visited and judged as to its yield and vigor with due allowance for adverse environmental factors. In addition, percentages for the amount of Mosaic and lack of inherent vigor were determined. From this field data, final consideration was given to determine into which of the following groups the stock should be classed; namely, *passed*, *screened* or *condemned*.

Stock that was passed was to be accepted as field run without other sorting than that for culls. Stock to be screened was to be passed over a one and seven-eighth inch screen, for it was found that by this means the great bulk of the undesirable material would be removed; since advanced Mosaic or lack of vigor generally was accompanied by small size in tuber development. Stock that was condemned was placed in this category due to the presence of an excessive amount of Mosaic, lack of vigor, or general high disease percentage.

It required some care to determine the probable result of poor soil conditions on the yielding ability of what originally was good seed. It was apparent in many cases that the seed planted was strong, but evidently starved.

The following is a grouping of the findings as finally decided upon by Mr. Worthley and myself. The groups of growers are arranged under their various sub-contractors and they in turn under the contractors:

CONTRACTOR

I. M. YOUNG

Passed fields of:

Charles Greshek
E. Polak
Con. Rutkoski
Antonie Zaloski
Antonie Columbus

Screen stock of:

S. L. Terry
Charles McKay
L. L. Danolovich
Antonie Danseski
Marshall Pelis
John Liss
John Przyborowski

Condemn stock of:

J. Danolovich, Sr.
Joe Sejeski
John Tysz
Mike Marsh
R. E. Aldrich

CONTRACTOR

A. ROSENBLUM

Passed fields of:

(Sub. C.) W. S. Tuthill & Co.
Geo. Nagles
C. Baginski
C. T. Jones
S. Bigora

(Sub. C.) T. Hawkins

Geo. L. Luce
Orvis Luce

(Sub. C.) P. B. Ruland

P. B. Ruland
A. S. Mulford
R. Gildersleeve

(Sub. C.) W. L. McDermott

F. C. Benjamin

Screen stock of:

(Sub. C.) S. W. Tuthill & Co.
C. H. Howell
G. I. Tuthill
E. L. Tuthill



FIG. 1.—A field grown from the best Maine commercial field found in 1914 by Dr. I. E. Mellus. Note the healthy stand of foliage.



FIG. 2.—A field grown from seed purchased on the open market. Note there is not a green stalk. Here an adverse soil condition aggravated inherently weak seed.





FIG. 3.—Three sizes of Mosaic showing comparative yields. The crinkly leaves together with a blotched yellowish tinge are typical associations.



FIG. 4.—An abnormally large plant of Bliss Triumph. Note the spread of the stolons and distance from the stalk the tubers are set.



FIG. 5.—A good plant of Bliss Triumph.



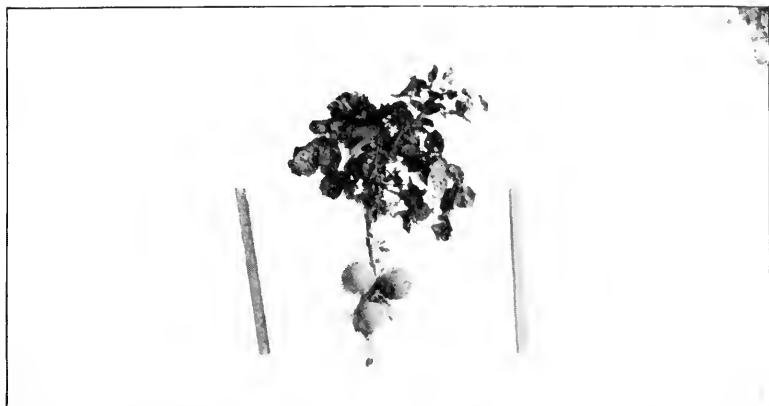


FIG. 6.—A fair plant of Bliss Triumph. This, however, begins to show a close setting of the tubers.



FIG. 7.—A larger type of inherent lack of vigor. Note the close set tubers.



FIG. 8.—A potato showing the contrast between the larger type and smaller type inherent lack of vigor.





FIG. 9.—About an average of fields grown from the selected Maine commercial field.



FIG. 10.—About the average of fields grown from seed of the open market. It is this contrast that lends such support to the contention that Bliss Triumph can be successfully improved.

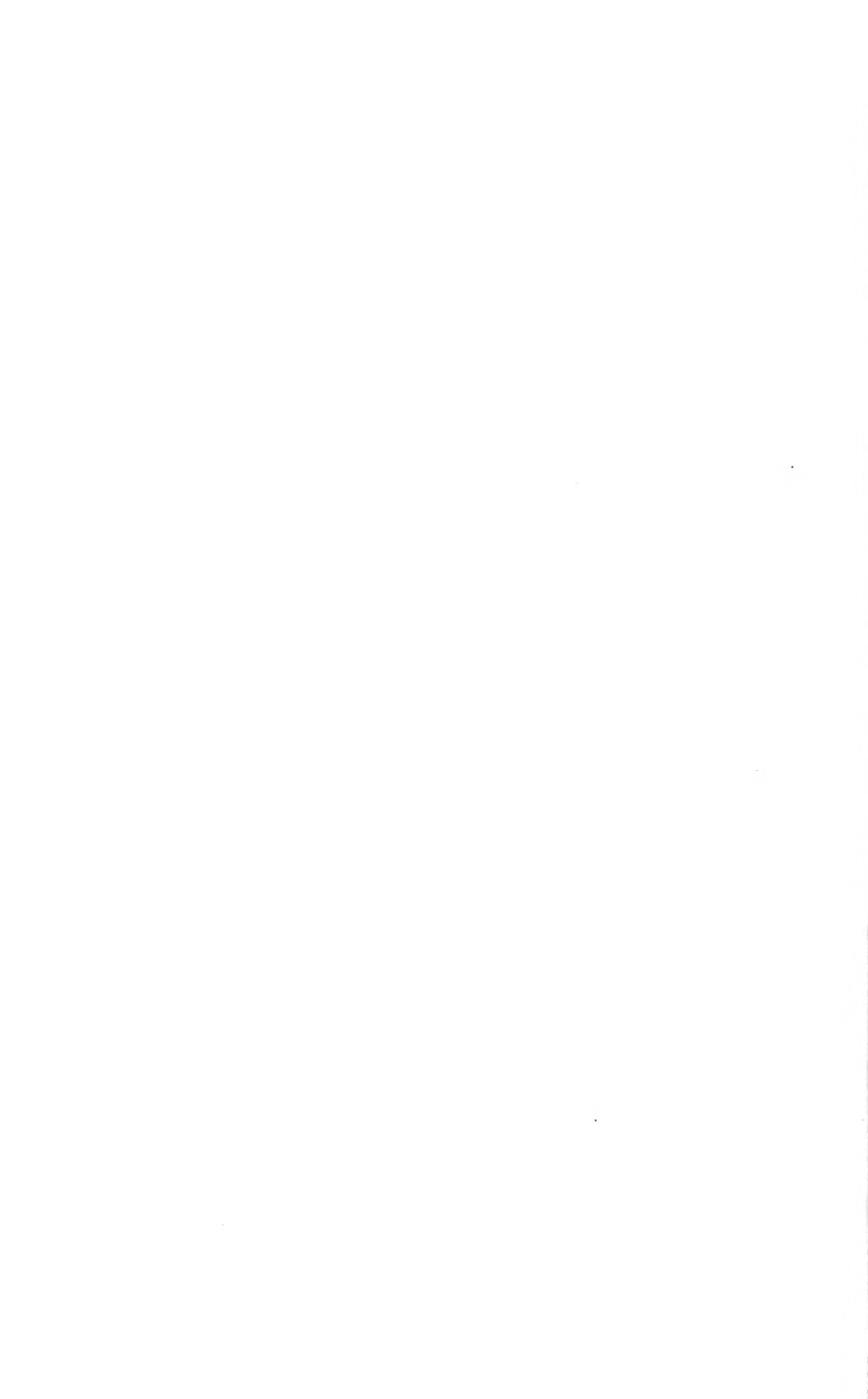




FIG. 11.—A healthy field of Bliss Triumph grown from selected stock.



FIG. 12.—A group of commission merchants interested in the improvement of the Bliss Triumph. Mr. Wortley and Prof. Sirrene in the center.

CONTRACTOR

(Sub. C.) W. L. McDermott
David H. Lee
John Brown

A. ROSENEUM

Condemn stock of:
(Sub. C.) S. W. Tuthill & Co.
J. Kujawski
H. M. Reeve
A. L. Downe
Wm. B. Reeve
Lawrence Steiger
Conrad Bullock
John Kryzeskise
J. C. Reeve
Hy. J. Reeve
(Sub. C.) P. B. Ruland
F. G. Mulford
Wm. Grathwohl

CONTRACTOR

(Sub. C.) W. L. McDermott
J. Fetch
Benj. Fanning

H. KAELEN

Passed fields of:
(Sub. C.) J. T. Fanning (Riverhead)
Arthur Dittmeier
A. Ducknowski
W. R. Fanning
Isadore Lusie
Stephen Polakweig
D. Polowoda
Jas. A. Reeve
W. G. Robinson
Leroy Warner
A. M. Warner
Robt. Goodale
(Sub. C.) C. J. McNulty (Laurel)
Antonie Darowski
C. J. McNulty
C. T. Jones
C. A. J. McCarthy

CONTRACTOR

P. Donovan
G. E. Aldrich
M. Bakowski
(Sub. C.) Lindsey (Cutchogue)
E. Lupton
John Kane
Edw. Lopingki
Condemn stock of:
(Sub. C.) J. T. Fanning
G. B. Terry
J. R. Benjamin
J. Wiscabbage

P. B. RULAND

Passed fields of:
P. B. Ruland
A. S. Mulford
J. Newbold
H. Overton
R. Gildersleeve
Condemn stock of:
Mike Zanowski
Frank Zanowski
Howard Cushaning
F. G. Mulford
William Grathwohl

CAPT. F. VAIL

Passed fields of:
(Sub. C.) H. Binker & Co.
D. W. Terry
E. W. Latham
J. B. Jones
F. L. Young & Sons (small patch)

EDWARDS BROS.

Passed fields of:
Edwards Bros.
Peter Brown
Wm. Whetzel
Condemn stock of:
Walter L. Tuthill
F. L. Young & Sons (small patch)

SUMMARY

Inspected	88
Passed	49
Screen	12
Condemned	27

It is of interest to point out here that of twenty-four farms growing selected seed, as previously referred to, only three were condemned, or 12½ per cent were unfit. However, the undesirable characteristics seemed in each case to be a combination of poor soil, drought, and a poor farmer. Out of sixty-four fields planted from stock grown on the open market, twenty-four were condemned on 37½ per cent. Figs. 1 and 2 represent the extremes found during the course of the inspections. Probably the average of fields planted from the original selected field is represented in Fig. 9, and Fig. 10 represents something below the average for seed bought indiscriminately. The average was a little better than this but in all cases it was very easy to determine offhand which seed was which. The stock from the selected field passed three times as many fields as did the other. I do not wish to infer that all stock that can be bought on the open market is bad, but I want to emphasize the fact that it is so mixed with weak stock during its handlings that too large a percentage of poor potatoes are introduced.

The trouble with the Bliss Triumph is the apparently long-continued propagation of stock containing many weak strains of the variety, the

presence of an excessive amount of the disease known as Mosaic, and the inclusion of other varieties of potatoes—principally Dakota Red or Michigan Red. Bliss needs a very rich light warm soil, plenty of moisture, and constant cultivation. So far as can be determined, there appears no reason to doubt that healthy stock, by proper care and selection practices, can be developed. Long Island at best is not suited to the needs of the variety. The nearest approach to good growing conditions is found on the extreme northeastern point known as Orient Point where a combination of good soil, humidity, and good farmers, have attained the more favorable results.

The experience with the combination of weaknesses referred to above has so consistently resulted in poor yields on Long Island—not to speak of Bermuda—that many growers have to be exhorted to accept contracts for growing it. This discouragement extends to the commission men as well. Nevertheless the growers find that the potato brings in money at a time when other things are growing, and that it can be dug early enough to allow the ground to be replanted to another crop. If seed is available that will yield reasonable returns no difficulty will be had in finding planters.

The solution of the problem lies in first securing good seed for Long Island growers. In this connection Mr. Wortley has arranged to have a field in Maine rogued under the supervision of an inspector from the United States Department of Agriculture. At the same time the contractors or distributors in Brooklyn and New York have so profited by the results attained from that seed selected last year that they are willing to pay an advance to obtain it. What is most gratifying is the fact that all have agreed to purchase this seed and are sincerely endeavoring to aid in improving conditions.

After the matter of seed has been settled it is desirable to distribute it among the better farms and the better growers, and this obviously must be done through the medium of the commission merchants.

It is to be noted that the law as provided by the Bermuda government cannot, without the support of the commission merchant, accomplish its object. The channels for double dealing are too many, and the better stock from condemned fields could easily be included. Again, one commission man controls the practices of twenty or thirty growers.

The problem that our Department, in cooperation with that of the Bermuda Islands, is attempting, is the certainty of a continuous source of selected Bliss Triumph potatoes for growers on Long Island; then the inspection and classification of the growing fields, with the assurance that this stock so classified will reach the Bermudian.

Fortunately, in Cuba there is an outlet, with no apparent reduction in price, for anything refused by Bermuda, so that the commission merchant is willing to ship, without objection, the better stock to Bermuda and dispose of the remainder through the Cuban trade. This, together with the fact that the commission men were so few that each could be personally visited and acquainted with the plan, considerably simplified matters for all concerned and explains the rapid progress made.

Mr. Worthley wrote to me under the date of August 13, 1915:

The merchants are apparently carrying out their promises. The firm of A. Rosenblum, in particular, is going to a great deal of trouble and has kept the potatoes from each farm separate and marked the barrels with the initials of the grower. Tracing the results of the different lots will be very interesting.

BLISS TRIUMPH IN NORTHERN NEW YORK

If Bliss Triumph could be grown in Northern New York our State Department could give this activity individual instruction, and aid in the selection of strong strains and the elimination of diseases.

With this in mind Mr. Arthur Leavitt of Gabriels, N. Y., has been induced to purchase a few sacks of Bliss from the field in Maine which Mr. Wortley has succeeded in having rogued. This seed, after being grown in New York, will be grown on Long Island and compared with that from Maine; and, further, the Long Island product from Northern New York seed will be compared in the Bermuda Islands under actual commercial field conditions, to the Long Island product from Maine.

Should New York be successful the movement will be fostered and the potato developed in strength by a tuber unit system or some suitable modification thereof. Opportunities are presented for supplying not only Bermuda trade, but also our own southern trade, so that much interest is centered on the outcome of this experiment.

EXPERIMENTS IN CONNECTION WITH FIELD INSPECTIONS

It was soon found necessary to obtain data as to the behavior of the various classes of disqualified types, so that inspection findings could be more definitely formulated. As a step in this direction samples sufficient for conclusive tests of the different types illustrated in the following figures were secured.

Of Mosaic, three types were noted. Their relation in size and yield is illustrated in Fig. 3. Enough seed of each type was selected to give reasonable plots for experimental purposes.

Figs. 4, 5 and 6 represent the abnormally good, the good, and the fair plants. Seed of each of these types was also secured.

The plants indicating inherent lack of vigor only showed two types: the larger, which for convenience might be termed Type A, and the smaller Type B. Fig. 7 represents the A type. Fig. 8 is a contrast of these two types, the A type being on the bottom, while the smaller, or B type, is on the top. One constant character that seems to accompany all weak stock is that of the tubers being set close to the stalks. In Figs. 7 and 8 this is very apparent. Plants of strength usually set thin tubers a comfortable distance from the stalk, and have spread as can be noted in figure four. About a bushel of each of these two types was obtained. The experiments, then, in the course of determination are as follows:

1. *Abnormally good* hills illustrated by Fig. 4.
2. *Good* hills illustrated by Fig. 5.
3. *Fair* hills illustrated by Fig. 6.
4. Larger (Type A) inherent lack of vigor Fig. 7.
5. Smaller (Type B) inherent lack of vigor Fig. 8.
6. Larger
7. Medium
8. Small

types of Mosaic shown in Fig. 3.

7. Good strong seed planted on poor soil and injured by adverse growing conditions to determine whether the yielding ability when again placed in suitable environment has been seriously impaired.

The results of these experiments will be available this coming January.

CONCLUSION

It is the purpose of the two departments of agriculture to first demonstrate that the variety can and has been improved; to foster the growing, production and marketing; and, thereafter, when deemed proper, to provide a separate form of certificate issue for the Bliss, thus bringing it ultimately under the proposed provisions for seed certification with a separate standard of its own.

A REPORT ON THE QUARANTINE OF POTATOES FOR POWDERY SCAB IN THE COUNTIES OF FRANKLIN AND CLINTON FROM FEBRUARY 1, 1915, TO JULY 15, 1915.

H. C. SANDS, Inspector-in-Charge.

INTRODUCTION

As a sequel to the report on the quarantine of potatoes for powdery scab in New York, which was submitted January 31, 1915, the following is presented intending to complete the discussion of the activity that the Department of Agriculture has extended in the field. Included are statistics and tables drawn therefrom to illustrate more clearly the ground covered.

A CHANGE IN THE METHOD AND MANNER OF INSPECTION BECOMES DESIRABLE

The practice, as provided by the original regulations, of providing inspection at all points of origin, led, in some cases, to considerable delay, with consequent complaints by the shippers. The chief factor for the change ultimately discussed and put into effect April 16, 1915, was the utter irresponsibility of the shipper, the burden of the scab elimination from shipments being thus thrown upon the inspector. Further, inspectors could not be furnished at a moment's notice, and this all parties concerned seemed to be unreasonable in demanding. The regulations provided for three days' notice, but when shippers were compelled to wait the three days, serious complaint arose, perhaps not without some justification. Inconvenient train schedules, inaccessibility of the point, and the fact that loading in freezing weather necessarily must proceed without interruption, added to the difficulties of enforcing the rulings.

As already mentioned, the irresponsibility of the shipper was the large concluding factor for the change. In actual practice it worked as follows: At Cherubusco an inspector was not regularly stationed because of no desirable accommodations, and because stretches of from three to four days at a time occurred, during which no loading was done. Consequently this station was handled from Malone by assignment. The train on which an inspector traveled arrived from Malone at 9 a. m. In the meantime a car had been set the previous night and teams were waiting to load into it by 7 a. m. In cold weather, wagons could not stand exposed without the stock becoming frozen, so that permission to start loading without the presence of an inspector necessarily had to be given. Although the loaders were perfectly acquainted with the identification of powdery scab, little effort was exerted to remove it, so that oftentimes it was necessary for the inspector, upon his arrival, to order the whole of the loading resorted. The idea of the shipper seemed to be to see how much the inspector would allow to be included.

Sometimes the loading had proceeded so far that it was impossible to satisfactorily judge the contents of the car.

It occurred to Dr. Marlatt to place the responsibility of the powdery scab elimination upon the shipper, so, on April 16, the amendment here presented for the State regulations followed a similar order issued by the Federal Horticultural Board:

STATE OF NEW YORK

DEPARTMENT OF AGRICULTURE

Amendment No. 1 to Rules and Regulations Provided by Circular No. 110, Governing the Movement of Potatoes in Areas Quarantined for Powdery Scab, State of New York.

It is ordered that the regulations adopted on November 16, 1914, entitled, *Official Notice of Quarantine of Potatoes Because of Powdery Scab and Rules and Regulations Issued Relative Thereto*, are hereby amended effective on and after April 16, 1915, as follows:

(a). The certification of Unexposed Potatoes shall be discontinued.

(b). Regulation 9 (a) shall be amended to read: No potatoes previously known, designated or labeled Table Potatoes or Exposed Potatoes, nor potatoes in any way infected with or contaminated by powdery scab, or any disease similar thereto, may be used for planting purposes within the quarantined area without permission from the Department of Agriculture.

(c) Regulation 10 (b) shall be amended to read: Certificates will not be issued permitting the transportation of potatoes if the latter have been stored or handled in any warehouse, cellar or enclosed sorting place not treated as follows, except that certificates may be issued for the 1914 crop if in the judgment of the inspector the condition of the potatoes should so warrant:

Cleaned thoroughly by removing all loose dirt and rubbish, including decaying potatoes and culls, the walls, ceilings and floors then washed or sprayed with a fresh lime wash containing one pound of copper sulphate (bluestone) to every fifteen gallons of the wash.

(d). These regulations as hereby amended shall govern only the movement of potatoes between points within the quarantined areas.

(e). Any consignment of potatoes destined to a point without the quarantined area shall, after acceptance by the carrier, be governed by amendment number ten to the rules and regulations under the Plant Quarantine Act. Interstate movement of potatoes from Areas Quarantined for Powdery Scab and any subsequent amendments thereto, which rules and regulations as amended are hereby adopted by the New York State Department of Agriculture.

Signed, CALVIN J. HUSON,
Commissioner of Agriculture.

Albany, N. Y., March 29, 1915.

As to paragraph (a), the certification of unexposed potatoes had been found to be impractical for the following reasons: First, because although up to the time that a certificate was desired, no powdery scab may have been reported, this was not an indication that disease was not present in the stock. Second, growers had a practice of interchanging tools and of leaving their bagged potatoes at warehouses for sorting at the commission man's convenience, and obtaining their bags at the next trip to town. These bags at the warehouses were not kept separate, and if the grower had thirty sacks he received in return thirty empty ones, which undoubtedly were contaminated on account of the fact that no warehouse in the infected district had not, at various times, handled infected tubers; this point could be enlarged upon

almost indefinitely. The reasons for the other changes are obvious with the exception of paragraph (e).

In substance, the change imposed by this order was the abandonment of inspections at point of origin, and the designation of one point on each trunk line at which all shipments would be held for inspection and certification. At this point a superficial examination was given, and if no powdery scab was found the consignment was forwarded to its destination, where, if desired, a final inspection could be given. The Department reserved the right, at either point, to order resorting by the shipper at his own expense, or the return of the shipment to the point of its origin.

This plan, with modifications below described in detail, was applied to New York conditions. Alburg, Vermont, was designated as inspection point for traffic passing east on the Rutland. Here all shipments in car lots or less than car lots were held and inspected. If infected stock was included to the amount of four potatoes, the shipper was notified, and it was necessary for him to send at least three men to re-sort the car. If less than four infected potatoes were found, the shipment was forwarded to its destination, but was reported, so that, if desirable, an inspector might be assigned to trace it to destination to observe the extent of the included infection. If deemed necessary it was ordered re-sorted there.

A similar point was designated on the Delaware and Hudson at Bluff Point, N. Y. Here all car-lot shipments were examined, but, since no sheds were available, Plattsburg was ordered to be the holding point for shipments of less than car lots.

On the New York Central, Utica would logically be a similar point, but so little traffic occurred here that all inspections on this line were made at the point of origin, as also were shipments going west on the Delaware and Hudson, west on the Rutland, or to points on the Rutland not so far east as Alburg, Vermont; or to points going south on the Delaware and Hudson above Plattsburg, but not reaching Plattsburg. To illustrate this more clearly the following grouping is presented:

1. Shipments inspected at Alburg.
 - (a). All which in course of transportation pass to or through this point.
2. Shipments inspected at Bluff Point.
 - (a). All on Delaware and Hudson which in course of transportation pass to or through this point.
3. Shipments inspected at Plattsburg.
 - (a). All passing through Plattsburg or those of less than car lots passing through Bluff Point.
4. Shipments inspected at point of origin.
 - (a). All on the Rutland not passing through Alburg, Vt.
 - (b). All on the New York Central.
 - (c). All on the Delaware and Hudson not passing through either Bluff Point, N. Y., or Plattsburg, N. Y.

It was interesting to note that the stock shipped after the order went into effect was considerably cleaner than that shipped under the former system. The sorters of the various shipping companies were quite as expert in recognizing the disease as were the inspectors, and it was brought home to them that



A demonstration of seed treatment of potatoes at the farm of Mr. Patrick Fitzpatrick, Malone. Note the sorting of all blemished stock.



Another method of setting up the barrels so that by pulling the plugs in the upper two at the end of their soaking period, the liquid will directly run into the lower two barrels already filled with potatoes.



A side view of the apparatus shown above.

an inclusion of powdery scab meant direct cash outlay for railroad fees and other expenses when compelled to re-sort a shipment. The objections and complaints of the shippers, with consequent condemnation of the quarantine, rose to a considerable heat. The inspectors were personally threatened, and attempts were made at intimidation, but nevertheless the efficiency of the method was demonstrated to be superior to that formerly in vogue. In addition, a reduction in the number of inspectors required was possible.

Several cars a week were re-sorted entirely at Alburg and Bluff Point, and numerous way-freight shipments were returned to the shipper for re-sorting.

An important point to be noted in connection with the change was its relation to the second paragraph of the official order of quarantine. According to regulation 8 of the New York State regulations, if an inspector was not on duty at a point of origin or destination, it was necessary to obtain a permit in order to move potato stock from any point. Inspectors did not issue permits to persons hauling to cars, the loading of which they were supervising.

By the order of April 16, all inspectors were removed from railroad stations, so that it became necessary for every one to have a permit. The number of inquiries for a time increased beyond the capacity of the force. The inspectors previously engaged at stations were engaged in accommodating this work.

STATISTICS OF SHIPMENTS

The following tables present the movements of potatoes from the various stations as well as the cost of the quarantine. The corresponding data for the months previous beginning November 16th, 1914, may be found in the preceding report.

TABLE I

THE MOVEMENT OF POTATOES BY MONTHS FROM RAILROAD STATIONS IN THE COUNTIES OF FRANKLIN AND CLINTON FROM FEBRUARY 1, 1915, TO JULY 15, 1915

Federal

STATIONS	Feb.	March	April	May	June	July	Total Bu.
Malone	7317	10139	4887	6777	2437		31557
Chateaugay	24600	25682	11400	12000	4800		78482
Cherubusco	9039	11346	2400	6605	3200		32590
Cadyville	6405	13311	2635	11426	1200		34977
Peru	5525	5725	1300	10202			22852
Bangor	7296	7083	705	5401	1200		21685
Lapham							
Keeseville	1150	600		638			2388
Brushton	2756	600	2672	1215			7243
Burke	6997	10008	4321	4800	1200		27326
Altona		10	630	600			1240
Ellenburg	15238	11821	4800	6000	3600		41459
Momsenville							
Ft. Covington			200				200
Malone Jct.	5892						5892
Gabriels							
Moira			21				21
Ausable Fks.		900					900
Plattsburg	20			661			681
Moffitsville							
N. Bangor							
Valcour							
Morrisonville							
Owls Head							
Vermontville			30				30
West Chazy			5				5
Saranac							
Lake Clear							
Tupper Lake							

Federal—Continued

STATIONS	Feb.	March	April	May	June	July	Total Bu.
Saranac Lake...	600		93				693
Bloomingtondale ...							
St. Regis Falls...			135	4			139
Dickinson Ctr....				3			3
Irona			600	1200			1800
Mooers Fks.....			600	1200			1800
Willsboro				12			12
Faust				3			3
Forest							
Harkness							
Russia							
Whippleville							
Constable			6				6
Santa Clara			5				5
Redford							
Beekmantown ...							
Lake Kushaqua...							

313989

TABLE II

THE MOVEMENT OF POTATOES BY MONTHS FROM RAILROAD STATIONS IN THE COUNTIES
OF FRANKLIN AND CLINTON FROM FEBRUARY 1, 1915, TO JULY 15, 1915

New York State

STATIONS	Feb.	March	April	May	June	July	Total Bu.
Malone	1962	86	6373	2757	877		14053
Chateaugay	7	2	3				12
Cherubusco	8	650		83	58		599
Cadyville	12914	18375	8950	13900	4800		58939
Peru	6450	9995	15195	14730	5029	53	57389
Bangor			145	70	100		315
Lapham							
Keesville				1200			1200
Brushton			35	363			398
Burke		706	654		155		1515
Altona		15	85		4		104
Ellenburg	10	10	57	60			131
Momenville.....							
Ft. Covington...							
Malone Jct.....							
Gabriels			604				604
Moir	28	4	50		25		103
Ausable Fks....							
Plattsburg	3	6	28	118	29	147	331
Moffitsville							
N. Bangor.....							
Valcour				1200			1200
Morrisonville ...				194			194
Owls Head.....			2	17			24
Vermontville ...	34		20				54
West Chazy.....			5				5
Saranac					9		9
Lake Clear.....		20					20
Tupper Lake....		6		52	20	3	81
Saranac Lake....		600	1800	160			2560
Bloomingtondale ...			3800	1200	600		5600
St. Regis Falls...			10	33	6		49
Dickinson Ctr....		525	30	155			710
Irona							
Mooers Fks.....			1				1
Willsboro							
Faust			28	19	41	41	129
Forest							
Harkness				12			12
Russia				12			12
Whippleville		600			20		620
Constable		1446					1446
Santa Clara.....		12					12
Redford	20						20
Beekmantown ...		130					130
Lake Kushaqua...			14				14

Federal shipments in bushels, Feb. 1st-July 15th

140597
313989

Grand total, Feb. 1st-July 15th

454586

TABLE III

COST OF QUARANTINE			
<i>Federal</i>		<i>State</i>	
February	\$599.88	February	\$768.95
March	504.68	March	1,077.33
April	486.82	April	944.61
May	331.40	May	1,078.62
June	134.83	June	738.15
July		July	101.50
\$2,057.61		\$4,709.18	

SUMMARY

Total Federal expense, Nov. 16, 1914, Jan. 31, 1915.....	\$2,108.60
Total Federal expense, Feb. 1, 1915, July 15, 1915.....	2,057.61
Total	\$4,166.21
Total State expense, Nov. 16, 1914, Jan. 31, 1915.....	2,051.55
Total State expense, Feb. 1, 1915, July 15, 1915.....	4,708.73
Total	\$6,760.28
Total expense of quarantine.....	\$10,926.49
Total bushels shipped from Nov. 16, 1914, Jan. 31, 1915.....	316,554
Total bushels shipped from Feb. 1, 1915, July 15, 1915.....	455,393
Grand total	771,947 bu.

ACTIVITY EXTENDED TOWARD CONTROL MEASURES FOR POWDERY SCAB AND RESULTS THEREOF

It seemed desirable, rather than to simply provide that all infected tubers be removed from shipments, to go a step further and instruct the growers in control measures. Inasmuch as the regular force was entirely engaged in supervising the movement of potatoes, additional men were required. None were available from the Department at Albany on account of the gipsy moth work, so that the most likely candidates were Mr. Fred Bosworth of Peru, N. Y., and Mr. William Hadley of North Bangor, N. Y., both of whom had been employed by the Federal Horticultural Board as inspectors, and who consequently had some knowledge of powdery scab. It became necessary to further instruct these men so that they in turn could instruct others in endeavoring to control the disease.

Accordingly a request was addressed to the State Civil Service Commission requesting their appointments. This was about the last of March. Unfortunately, at a time when the men should have been active, the appointments were delayed by the commission three weeks. It so developed that the men finally could not complete a circuit of all affected cases and the assignment of other inspectors to assist them was necessary.

After the notices of their appointments had finally been received, they were ordered to report at headquarters for detailed instructions. A lecture was given, with blackboard illustrations, on the points to be emphasized, and further, thinking that questions on other topics would be put to them, the important points relating to seed selection, cultivation practices, sizes of seed pieces with their manner of cutting, the use of various fertilizers and their effects, and, in a general way, other diseases, were touched upon. In addition they were given cards on which were printed instructions for treating the seed; these for distribution, so that the grower might become familiar with what the inspector was trying to accomplish and incidentally use the copy as a memorandum. The printed instructions on the card were as follows:

STATE DEPARTMENT OF AGRICULTURE

POTATO INSPECTION SERVICE

Instructions to Inspectors Recommending the Treatment of Potatoes for Powdery Scab

1. Soak the uncut seed $1\frac{1}{2}$ hours in a solution of corrosive sublimate, 2 oz. to 15 gallons of water. The solution may be prepared by dissolving the sublimate in a small quantity of hot water to facilitate solution, whereupon it may be diluted to the required strength. Not less than $1\frac{1}{2}$ hours should be allowed for soaking nor more than 2 hours. This solution is good only for 4 treatments.

2. Caution the individual concerning the poisonous nature of the material and the necessary use of wooden or earthen vessels for containers. Warn him about the re-use of such vessels. Spread seed to dry after treatment.

3. In all cases where possible aid the party in the actual preparation of the solution, and give demonstrations for the treatment. Be in a position to recommend sources of supply for purchasing the sublimate. It is not expected that you will be able to demonstrate in every case, but select in each community some party centrally located who will be in a position to let his neighbors profit by it.

4. Recommend in every case that new seed be purchased. If the per cent. of powdery scab runs higher than $1\frac{1}{2}$ per cent. require new seed to be purchased. In the case of parties practicing hill selection or those too poor to buy new seed without serious detriment, and providing the per cent. of powdery scab does not exceed $1\frac{1}{2}$ per cent., their own seed may be used for treatment, but it is necessary for the inspector to examine almost every potato to see that it is free from blemish of any description.

5. Instruct that cut seed be rolled in flowers of sulphur.

6. Leave one of these copies with each farmer and see, in addition, that he has a copy of Circular 111. Underscore, in this bulletin, the paragraph relative to the treatment of seed and the measures for cleaning tools and storage places. Caution as to the re-contamination of seed after treatment.

7. In addition, give information relative to the uses of sun sprouting, hill selection according to one of the numerous methods discussed, Common Scab, Rhizoctonia, Wire Worms, and White Grubs, and the effects of alkaline fertilizers, according to the ability of the party to absorb the information. Report at the end of each week the progress you have made.

H. C. SANDS, Inspector in Charge,
Potato Inspection Service.

To be left with the grower.

It is to be noted that these inspectors had had little or no experience in potato matters heretofore, and furthermore, that there were no men on the force who had much more. For this reason the inspector-in-charge found it necessary to first impart the necessary knowledge to the inspector, who in turn gave it to the grower. The activities of the Department had been confined to diseases and insects affecting nursery stock, so that this was an entirely new field of work.

The force was considerably hampered in the matter of transportation. In general, no automobile charges could be incurred owing to the ruling of the Comptroller. The only exception to this was permitted in the case of Mr. Bosworth, who was able by reason of this to cover the ground quickly. Mr. Hadley was dependent upon a horse. This mode of travel was entirely inadequate because of the distances. Often individual growers were isolated and it required a day's travel to reach them. Again, it took considerable time to locate the various cases, since the inspectors did not know exactly where the growers lived. The second visit was made with little loss of time on this account.

Three hundred growers needed attention, which meant that each inspector was required to visit one hundred and fifty. As a matter of fact this was twice as many as they could properly attend; hence they could not satisfactorily follow up the activities of the individuals. It required, at a handicap to the rest of the force, that two other inspectors be detailed to assist them.

The inspectors found difficulty in imparting a coherent view of the subject to a majority of the growers, since to many the handling or use of fungicides was absolutely foreign. Again, and especially among the French, but not confined to them, illiteracy was not uncommon, so that they were unapproachable by means of literature. For such, a demonstration of the control measures—especially the treatment of seed—was arranged whenever possible.

Another feature found necessary to overcome was the antipathy exhibited toward receiving any assistance from the Department. This was the outgrowth of the winter's experience—many having been sent home with any amount even to over half their loads. The potatoes were so poor that vigorous sorting had to be enforced. After a first visit had been made, this was overcome, and the growers, with a few exceptions, realized that the object of the Department's activity was one of assistance and not persecution.

At one period the inspector-in-charge received complaints that the inspectors were giving out wrong information. An investigation showed that Mr. Bosworth had taken in his lecture notes a statement to the effect that for powdery scab the standard formaldehyde treatment continued for fifteen minutes was sufficient. This datum undoubtedly he confused with that mentioned for loose smut of oats, since other inspectors attending the same lecture were straight upon it. Each place at which he had given the information was visited within the second day, and the growers were set right before they had treated.

The inspector-in-charge noticed in particular that the inspectors were not aware of the extreme ignorance of many, and were crediting the growers with a grade of intelligence higher than they possessed. They had been accustomed to directing nurserymen and orchardists who were familiar with the handling of fungicides, and it was necessary continually to warn against leaving too much to be drawn by inference. It was impressed upon them that the grower was in necessity of knowing, not so much what to do, as how to do it. I think, in general, that where actual demonstrations could not be given, this point was the one most neglected.

In spite of these difficulties, considerable work was accomplished. A record was prepared showing what control measures each individual accomplished. The object of this was twofold: first, as a record of the Department's work; second, as a reference for another year, so that those who went astray might be known and so given additional attention another time.

Since it was considered more important to keep the disease from uninfected areas, the men were not taken from the loading stations to assist these demonstrators; the vigilance on outgoing shipments was not reduced.

As matters stand, the bulk of the work can be considered satisfactorily accomplished and it is only in the cases in which some one of the many particulars in the control were neglected, that additional instruction should be given. The growers are more eager for information, and view matters in quite a

different light. Since the inspectors know the location of all cases, and know what to expect in the way of ignorance, another year of assistance would undoubtedly result in all being satisfactorily informed. If, then, a grower should not carry out proper control measures, it would be because of his indifference and not due to his lack of opportunity for instruction.

The record of control measures adopted by each, together with notations which seem proper, is presented as follows:

TABLE IV
SHOWING CONTROL MEASURES ADOPTED BY THE GROWERS REPORTED AS OPERATING

<i>Farms Contaminated with Powdery Scab</i>						
Name	New Seed	Own Seed	Treatment C. S.	For	Time	No Control
Ahern, Hugh.....	X	.....	X	.....	1½	.....
Archambeau C.....	.....	X	.....	.....	.....	X
Arksey, Frank.....	.....	X	X	.....	1½	.....
Arnold, C. M.....	.....	X	X	.....	1½	.....
Arnold, Dan.....	X	.....	.....	.....	.....	.....
Arnold, Golden.....	X	.....	?	.....	?	?*
Arnold Thos.....	Could not locate	.....	.....	.....	.....	.....
Ashline, Robert.....	X	.....	X	.....	1½	.....
Atkins, Let.....	X	.....	X	.....	1½	.....
Ayotte, Henry.....	X	.....	?	?	?	.....
Badger & Patnode.....	X	.....	.....	.....	.....	.....
Baker, Thomas.....	.....	X	.....	.....	.....	X
Barber, Fred.....	Moved away from	.....	.....	.....	Farm vacant.	.....
Batrow, E. J.....	.....	X	X	.....	1½	.....
Beach, David.....	Could not locate.	.....	.....	.....	.....	.....
Bean, Amos.....	X	.....	.....	.....	.....	.....
Bean, Wesley.....	X	.....	X	.....	1½	.....
Bebo, Joseph.....	X	.....	.....	.....	.....	.....
Behan, Michael.....	X	.....	X	.....	1½	.....
Bennett, J. L.....	X	.....	X	.....	1½	.....
Billow, Oliver.....	X	.....	X	.....	1½	.....
Boadway, Nelson.....	.....	X	.....	X	1½	.....
Boswell, Patrick.....	.....	X	X	.....	1½	.....
Bova, Walter.....	.....	X part	.....	.....	.....	X part
Bowen, Mat.....	.....	X	.....	.....	.....	X
Bowen, Richard.....	X	.....	?	?	?	.....
Boyd, Ed.....	.....	X	X	.....	1½	.....
Boyd, Fred.....	.....	X	X	.....	1½	.....
Boyea, Dennis.....	X	.....	?	?	?	.....
Boyea, Oliver.....	X	.....	?	?	?	.....
Boyea, Ozias.....	X	.....	X	.....	1½	.....
Bradshaw, John.....	.....	X	X	.....	1½	.....
Brickley, W.....	X	.....	.....	.....	.....	.....
Brissette, W. H.....	X	.....	?	?	?	.....
Brooks, Benj.....	X	.....	?	?	?	.....
Brown, Edward.....	X	.....	X	.....	1½	.....
Brownell, Orville.....	X	.....	X	.....	1½	.....
Burke, John.....	X	.....	.....	.....	.....	.....
Burneh, Ramcul.....	X	.....	?	?	?	.....
Buschy, Joseph.....	X	.....	.....	.....	.....	.....
Cambell, J.....	.....	X	X	.....	1½	.....
Cane, Roy.....	X	.....	X	.....	1½	.....
Carey, James.....	Released from quarantine.	.....	.....	.....	Reported by error.	.....
Caron, Fred.....	X	.....	.....	.....	.....	.....
Carpenter, Fred.....	.....	X	X	.....	1½	.....
Carter, Oliver.....	X	.....	.....	.....	.....	.....
Cary, Patrick.....	Released from quarantine.	.....	.....	.....	Reported by error.	.....
Caswell, E. G.....	Sold out and moved.	.....	.....	.....	New tenant not known.	.....
Catelli, Peter.....	Bought Staves' farm that was infected.	.....	.....	.....	(See R. C. Staves.)	.....
Chain, Ed.....	½	½	X	.....	.....	.....
Chapple, Joseph.....	.....	X	X	.....	1½	.....
Chase, A. M.....	X	.....	X	.....	1½	.....
Chase, Matt.....	.....	X	X	.....	1½	.....
Chesbro, Porter.....	.....	X	X	.....	1½	.....
Cheyne, Wilroy.....	X	(Bought P. S. from Chas. Porter.)	.....	.....	.....	New case found during planting.
Clark, Russel.....	Could not locate.	.....	.....	.....	.....	.....
Clark, Thomas.....	X	.....	.....	.....	1½	.....

* In all cases where question marks are supplied in the columns, the indication is that the grower had been carefully instructed and had agreed to treat, but at the last visit was not ready to plant.

Coiture, Alex.	X	.....	?	?	?	.....
Collins, Frank	X	.....	.....	.....	.....	.....
Collins, Leslie	1½	½	X	.....	1½	.....
Connors, Michael	X	.....	.....	.....	.....	.....
Connors, Patrick	X	.....	.....	.....	.....	.....
Conway, Martin	X	.....	?	?	?	.....
Cook, Andrew	X	.....	?	?	?	.....
Cook, Fred	X	.....	X	.....	1½	.....
Coolidge, Albert	.....	X	X	.....	1½	.....
Coolidge, Fred	X	.....	X	.....	1½	.....
Coolidge, Grant	X	.....	X	.....	1½	.....
Coolidge, Sylvester	X	X	X	.....	1½	.....
Coolidge, W. H.	X	.....	?	?	?	.....
Cooney, Cornelius	X	.....	X	.....	1½	.....
Coughlin, John	X	X	.....	X	1½	.....
Coughlin, Patrick	X	X	.....	X	1½	.....
Cromie, Harlie	X	.....	.....	.....	.....	.....
Crowley, H.	.....	X	X	.....	1½	.....
Deipette, Fred	X	.....	.....	.....	.....	.....
Delarm, Mrs. Alex	X	.....	.....	.....	.....	.....
Delarm, Geo.	X	.....	.....	.....	.....	.....
Denio, Trellis	X	.....	.....	X	1½ (1 pint 50 gal.)	.....
Denton, D. W.	X	.....	.....	X	1½	.....
Derby, D. D.	X	.....	?	?	?	.....
Derby, Thomas	X	.....	?	?	?	.....
Deriosa, Armidis	Could not find until after planting.					
Devan, J. M.	Released from quarantine.			Reported by error.		
Donnelly, Wm.	X	.....	.....	.....	.....	.....
Dormody, Pat.	X	.....	.....	.....	.....	.....
Douglas, George	X	.....	X	.....	1½	.....
Doyle, John	.....	.....	X	.....	?	.....
Dumas, A.	Released from quarantine.			Questionable infection.		
Dumond, Robert	.....	X	X	.....	1½	.....
Dumont, R. J.	.....	X	X	.....	1½	.....
Dunn, James	X	.....	.....	.....	.....	.....
Dupree, Isrial	X	.....	X	.....	1½	.....
Dupree, Geo.	.....	X	.....	.....	.....	.....
Dupree, Joe	X	.....	.....	.....	.....	.....
Dusgan, L. D.	X	.....	.....	.....	.....	.....
Dwyer, E. F.	X	.....	.....	.....	.....	.....
Dwyer, John	.....	X	X	.....	1½	.....
Dwyer, John	.....	X	X	.....	1½	.....
Dwyer, T. J.	X	.....	.....	.....	.....	.....
Earle, Sherman	X	.....	.....	.....	.....	.....
Eacto, John	X	.....	?	?	?	.....
Fadden, David	X	.....	?	?	?	.....
Farrell, Henry	.....	X	X	.....	1½	.....
Farrell, John	.....	X	X	.....	1½	.....
Farrell, Mike	.....	X	X	.....	1½	.....
Favreau, Israel	X	.....	?	?	?	.....
Fayette, Albert	.....	X	.....	.....	.....	?
Ferness, P.	.....	X	.....	.....	.....	?
Field, A. J.	X	X	.....	.....	1½	.....
Finnigan, R. M.	X	.....	?	?	?	.....
Fitzpatrick, Mrs. Jas.	.....	X	.....	.....	.....	X
Fitzpatrick, Patrick	.....	X	.....	.....	1½	.....
Flagg, Rome	X	.....	?	?	?	.....
Flynn, Dan	X	.....	.....	.....	.....	.....
Ford, James S.	X	.....	.....	.....	.....	.....
Francis, Frank	Could not locate.					
Gagnier, Joseph	.....	X	X	.....	1½	.....
Galvin, Chas.	X	.....	?	?	?	.....
Geneway, H.	Blue vitrol.					
Geneway, W.	X	X	X	.....	1½	.....
Giles, F. L.	X	.....	X	.....	1½	.....
Gillette, D. M.	X	.....	.....	.....	.....	.....
Gonyea, Alex.	X	.....	.....	X	1½	.....
Gravline, Chas.	Released from quarantine.			Reported by error.		
Gravlin, Frank	X	.....	.....	.....	.....	.....
Gregory, Frank	.....	X	X	.....	1½	.....
Gregory, Matt	.....	X	X	.....	1½	.....
Griffin, S. M.	.....	X	X	.....	1½	.....
Guyott, Roland	.....	X	X	.....	1½	.....
Haff, Everitt	X	.....	?	?	?	.....
Haff, James	X	.....	?	?	?	.....
Haff, Orson	X	.....	?	?	?	.....
Hall, Wm.	X	.....	X	.....	1½	.....
Hammond, Ed.	X	.....	X	.....	1½	.....
Hammond, Moss	X	.....	X	.....	1½	.....
Hammond, Wm.	X	.....	X	.....	1½	.....
Hanlon, Mrs. Bridget.	X	.....	X	.....	1½	.....

Heading, E.....	X	X	X	1½	
Hesseltine, Russel....	X		X	1½	
Hill, W.....	Not located by the name of Wm. Believe it is the son.				
Hogan, James.....	X				
Hogan, John.....	X		X	1½	
Holmes, Oscar E.....	X				
Hurto, Ed.....	X				
Israel, Joe.....	X				
Jason, Lewis.....		X		1½	
Jervis, Nelson.....	X		?	?	
Jones, Thos.....	X				
Keating, James.....		X	X	1½	
Keefe, James.....	X				
King, Alexander.....		X	X	1½	
King, Joseph.....	X		X	1½	
King, Peter.....	X				
LaHarts, Moses.....		X	X	1½	
Lamar, David.....	X		?	?	
Lamberton, Walter....	X				
Lamoy, Henry.....	X		X	1½	
Lavery, William.....	X		X	1½	
LeClair, Alex.....		X	X	1½	
LeClair, Edward.....		X			
LeClair, Eli.....	Moved.	(See Ed. Yetto—latter bought this farm.)			
LeClair, F.....		X	X	1½	
LeClair, Peter.....	X		X	1½	No evidence of scab on reinvestigation
LeClair, William.....		X	X	1½	
Ledwith, Charles.....	X				
Ledwith, Edward.....	X		?	?	
Lefebvre, I.....	Could not locate.				
Legacy, F.....	X				
Legacy, Joseph.....	(Scab not found until after planting.) New case.				
Levine, S. P.....	X				
Liberty, Paul.....	X		X	1½	
Liberty, William.....	X				
Loncto, Nelson.....	(Moved to town—farm vacant.)				
Lord, Lemual.....	X		X	1½	
Maccabee, J.....	X	X	X	1½	
Maggy, Elmore.....	X		?	?	
Magoon, Geo.....		X	X	1½	
Malark, John.....	X		?	?	
Malark, Patrick.....	X		?	?	
Manson, Fred.....	X				
Martin, Chas.....	X	X		1½	Planted few of own
Martin, Dave.....	X				
Martin, John L.....	X		?	?	
Martin, P.....	X				
Mason, C. C.....		X	X	1½	
McCarty, Thomas.....		X	(Discovered after planting. New case.)		
McGiveny, Luke.....	X		X	1½	
McGiveny, Michael....	X				
McGillic, M.....	X				
McKinney, Carl.....	X		X	1½	
McManus, M.....	X				
Miller, John J.....	X				
Miller, M. T.....		X	X	1½	
Miller, Silas.....	X		?	?	
Miner, Alex.....	X		X	1½	
Monett, Joe.....		X	X	1½	½ untreated
Monett, Thomas.....	X		X	1½	
Moore, C. D.....	X		X	1½	
Murray, F. M.....	Released from quarantine. Reported in error.				
Muzzay, C.....	X	None to sell.			
Myott, William.....	X				
Napper, William.....	X		X	1½	
Newton, Fred.....	X		X	1½	
Nichols, F.....	Could not locate.				
Nicklow, Geo.....	Not located till after planting time.				
Noel, John.....	X		?	?	
Noland, Thomas.....	X				
O'Brien, Michael.....	Could not locate.				
O'Brien, William.....	X		X	1½	
O'Donnell, Thomas....		X		1½	
Otis, John.....	X		X	1½	
Otis, Will.....	X		X	1½	
Parrot, Peter.....	X		?	?	
Peterson, Oscar.....	X		X	1½	
Patnode, Edmond.....	Located, but claims to be free from infection.				

Patnode, J. M.	.....	X	Defiant	.....	X	Refuses advice
Patnode, Peter	.....	X	.....	.....	.....	.....
Peits, Fred	.....	X	.....	.....	1½	.....
Peits, John	.....	X	.....	.....	1½	.....
Pellerin, Euclid	.....	X	.....	.....	1½	.....
Pelliner, Eyclier	.....	X	?	?	?	.....
Pennie, Benjamin	.....	Not located.				.....
Pepper, J.	.....	X	.....	.....	.....	X
Pepper, Zepher	.....	X	.....	.....	.....	.....
Perry, Antoine	.....	X	.....	.....	.....	X
Perry, Mrs. Mary	.....	X	X	X	1½	.....
Perry, N.	.....	X	.....	.....	.....	.....
Phillips, Geo. M.	.....	None planted.				.....
Pockett, Joseph	.....	X	.....	.....	.....	.....
Porter, Chas.	.....	X	X	.....	.....	X
Porter, Frank	.....	X	.....	X	1½	.....
Prairie, Joseph	.....	X	.....	X	1½	.....
Premo, George	.....	Located, but denied he was party.				.....
Randall, Robert	.....	X	.....	.....	.....	X
Raymond, Frank	.....	X	.....	.....	.....	.....
Reed, C. D.	.....	X	.....	X	1½	.....
Reed, G.	.....	X	.....	.....	.....	.....
Reyell, Dennie	.....	X	.....	?	?	.....
Reynolds, W.	.....	X	.....	X	1½	.....
Rhinehart, Frank	.....	X	.....	.....	.....	.....
Riley, C. J.	.....	Not located until after planting time.				New case.
Robare, A.	.....	X	X	X	1½	.....
Roberts, Chas.	.....	X	.....	X	1½	.....
Roberts, Will	.....	X	.....	X	1½	.....
Robinson, Jerry	.....	Located, but denies he is the party.				Of this name, found five parties.
Rust, A.	.....	X	.....	.....	.....	.....
Ryan, Dennis	.....	X	.....	X	1½	.....
Ryan, Edward	.....	X	.....	X	1½	.....
Ryan, James	.....	X	.....	X	1½	.....
Ryan, J. M.	.....	X	.....	X	1½	.....
Ryan, P. G.	.....	X	.....	X	1½	.....
Ryan, T. N.	.....	X	X	X	1½	.....
Ryan, Thos. R.	.....	X	.....	X	1½	.....
St. Mary, Joseph	.....	Planted enough for own use only.				X
St. Mary, Raphael	.....	X	.....	X	1½	.....
Seymour, J.	.....	X	X	X	1½	.....
Shonyo, Horace	.....	X	.....	.....	.....	.....
Shutts, Harold	.....	X	.....	X	1½	.....
Silver, P. H.	.....	X	.....	X	1½	.....
Slack, Henry	.....	Could not locate.				.....
Smith, B. M.	.....	X	X	X	1½	.....
Soulia, Chas.	.....	X	.....	X	1½	.....
Soulia, Wm.	.....	X	.....	.....	.....	.....
Spoon, Henry	.....	.....	.....	.....	.....	.....
Stacey, Edward	.....	None planted.				.....
Staves, R. P.	.....	.....	.....	?	?	.....
Stone, Antonine	.....	X	.....	X	1½	.....
Stone, Joseph	.....	X	.....	.....	.....	.....
Stone, Joseph, Sr.	.....	X	.....	X	1½	.....
Tacy, Israel	.....	X	.....	X	1½	.....
Tarbell, Edie	.....	X	.....	X	1½	.....
Taverney, Wm.	.....	X	.....	X	1½	.....
Titus, R.	.....	Could not locate.				.....
Tobill, John	.....	X	X	X	1½	1 acre not treated.
Travis, Bernard	.....	Could not locate.				.....
Trombley, Marshall	.....	X	X	X	1½	X part
Tromblee, Peter	.....	X	.....	X	1½	.....
Vincent, James	.....	X	.....	X	1½	.....
Vincent, Z.	.....	X	.....	X	1½	.....
Waldron, James	.....	X	.....	X	1½	.....
Walker, Henry	.....	X	.....	?	?	.....
Walker, James	.....	X	.....	?	?	.....
Weir, Michael	.....	X	.....	X	1½	.....
Welch, Mrs. Jewell	.....	X	.....	X	1½	.....
Wells, Wm. P.	.....	X	.....	.....	.....	.....
Whalen, John	.....	X	.....	X	1½	.....
White, James	.....	X	X	X	1½	.....
Whynn, James	.....	X	.....	?	?	.....
Willis, Albert	.....	X	.....	.....	.....	.....
Willson, Howard	.....	X	.....	.....	.....	.....
Wright, Ernest	.....	X	X	X	1½	.....
Yetto, Edward	.....	X	.....	.....	.....	.....
Young, John	.....	X	.....	X	1½	.....
Young, Wyman	.....	X	.....	X	1½	.....

SUMMARY

New seed—treated.....	69
New seed—prepared to treat at last visit.....	40
New seed—untreated.....	67
Old seed—all treated.....	56
Old seed—part treated.....	2
Part old and part new seed—all treated.....	12
Part old and part new seed—part treated.....	3
Old seed—all untreated.....	17
New cases located at planting time.....	4
Parties moved or sold out.....	5
None planted.....	2
Released from quarantine.....	6
Unable to locate.....	15
Treated with bluestone.....	1
	<hr/>
	299
Treated to some degree.....	183
No control.....	21
Released, not found, not planted, or moved.....	28
Purchased new seed only.....	67
	<hr/>
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CONCLUSION

Additional records of the three hundred farms visited are prepared in a card index, these data being shown on a card made up as follows:

DEPARTMENT OF AGRICULTURE—STATE OF NEW YORK

Name	Registry No.....
Address	R. F. D. No.....
Location	Permit No.....
Acreage in Potatoes.....	Gross Yield.....
Drainage and Lay of the Land.....	
Character of Soil.....	Acid..... Alkaline.....
Powdery Scab.....	Per Cent. Infection.....
Obtained Seed from.....	Year.....
Address.....	R. F. D. No.....
Common Scab.....	Slight..... Moderate..... Severe.....
Rhizoctonia	Slight..... Moderate..... Severe.....
Tenant	Owner..... Dealer.....
Remarks	

Note.—Do not omit letters in registry number if party is a dealer.

This information was gathered so that we might be acquainted with the potato growers, as well as to have on file necessary directions for correctly addressing circulars or other correspondence. Also, to know how powdery scab might be expected to act if found on the premises. Thus, more intelligent instructions bearing on the control of the disease could be given.

NEW YORK STANDARD APPLE GRADING LAW

Amendments to the apple grading law were made by the Legislature of 1915, and it seemed desirable to arrange for the enforcement of the act, but the Legislature made no financial provisions. We therefore found it necessary to select inspectors for this work

who were already connected with the Department. Additional or experienced apple men could not be employed, but, by interfering with other lines of work to quite a serious extent, we were enabled to accomplish something during the year. The history of the whole problem has been set forth in the following address made by Commissioner Wilson before the New York State Fruit Growers' Association.

THE NEW YORK STATE PACKING AND GRADING LAW

CHARLES S. WILSON, Commissioner of Agriculture

It seems apropos for the members of the New York State Fruit Growers' Association to give some consideration to the Apple Packing and Grading Law, a regulation which affects every New Yorker who packs a barrel of apples for sale and those growing. I wish I were able to penetrate the inner thoughts of all of you at this time, that I might know how you feel towards the law, towards the Department of Agriculture, and perhaps, towards the Commissioner himself. But whatever your feelings may be or may have been in this respect, I want to say, first of all, that the attitude of the Department towards the fruit growers has been one of fairness and helpfulness, under the statute as a guide, and yet firmness.

The law, in its present form, took effect the first of last July. All of you are familiar with the law of the previous year, which is, in principle and essentials, the same as our present law. As soon as the bill was signed by the Governor, the Department of Agriculture issued a circular, known as Circular 118, for the information of fruit growers, dealers, and purchasers. Copies of this circular have been passed around. A season's experience with the enforcement of the law indicates that all of the regulations are not thoroughly understood, and I wish to call your attention, in particular, to the interpretation of the color requirement, as made on page 6 of this circular. I wish also to call your attention to the essentials for the brand, as they are explained on page 8 of the circular.

As the law was a new one, the Department felt that it was its duty, so far as possible, to bring its provisions before the fruit growers and packers. Several thousand copies of Circular 118 were printed and distributed. A copy was sent to everyone with whom the Department had corresponded the previous year on this subject; second, to the Farm Bureau agents; third, to the New York State Fruit Growers' Association and the Western New York Horticultural Society; fourth, to the commission men, who distributed them to the producer; and finally, in order that nearly every fruit man might have the opportunity of knowing about the law, the Department, in co-operation with the New York Central Railway, ran a demonstration train, on the New York Central lines, through the Hudson Valley and the central and north-western parts of the state. The train made forty different stops and reached, on an average, one hundred men at every stop, making a total of 4,000 men reached.

An educational plan of disseminating information in regard to the agricultural law, similar to such as was practiced in the case of the Apple Pack-

ing and Grading law, is a great help in the Department work, and will be taken up in all lines of Department endeavor. The plea of ignorance, after such a plan is carried out, has less weight as evidence. Some people say that it is education, and not prosecution, that is needed. I believe this is true in the main, but in the enforcement of the Apple Packing law we have discovered many cases which indicate that the latter, and not the former, is necessary. I refer to those who have boasted of "getting by," when they have a full knowledge of the requirements of the law.

The first efforts of the Department in the enforcement of the law were devoted to the question of the required markings on closed packages at many and widely separated shipping points. The first two weeks' work seemed to show that most shippers did not comply with the law in respect to marking, but in four to eight weeks great improvement in marking was reported.

After the bulk of the strictly fall apples were marketed I increased the force of inspectors, and efforts were made to examine shipments for the purpose of detecting violations in packing, as well as marking. Here is where our difficulties began.

The color qualifications, notwithstanding the explicit terms given, have proved apparently difficult for some packers to understand, or else the packers have tried to see how close to the line they could sort and be just within the law.

Apple scab is perhaps the most serious problem discovered so far in the work. The majority of the violations submitted for the action of our counsel during the fall season was because of apple scab packed in excess of the tolerance allowance in the several grades.

Many individuals have opinions relative to the meaning of the words "practically free," used in this law, but the Department inspectors have been instructed that the meaning of the words "practically free" is as set forth at page 7 in Circular 118, as follows: "'Practically free' means that apples having small defects, so few in number as not to injure the appearance or keeping quality of the fruit, are allowed in this grade. These defects are allowed in addition to the tolerance percentage." On this subject the inspectors have been told to give the packer the advantage in doubtful cases.

Claim is made by some that apple scab develops or spreads in understorage conditions. This subject is under investigation. The fact, however, remains that it is the duty of the Department to make cases of violations of the law, when apples are offered for sale, if the tolerance allowance is exceeded.

To January 1st the Department has received from its inspectors working on the Apple Grading law 2,400 formal reports of shipments. This number, of course, is but a small portion of a large number of shipments that were observed during the shipping season, but no report was made of such for the reason that the marking and the packing were apparently in accordance with the law. Nine hundred and fifty of these reports related to minor violations of the law, such as incomplete or irregular branding. Two hundred and four cases have been referred to the counsel, with proof of violation.

Rumors have been afloat to the effect that the law was not being enforced, and that a large portion of the apples going to market were not graded or marked according to law. This did not conform to my belief in the matter, as our records did not show it. I wanted to be certain, however, that the

Department was not being fooled, and therefore I put additional agents and detectives in the field to determine the facts. A thorough examination of the situation in the markets, both within and without the state, indicated that about 85 per cent. of all apples marketed are packed in conformity with the law. Here are some of the facts of this investigation:

Seven additional agents of the Department spent three days in New York City, and during that time inspected 220 different lots of apples. Of these 220 lots, 181, or over 80 per cent., were packed and branded in accordance with the requirements of the law. Eighteen were properly branded but the contents were found to be below the grade marked upon the package. In twenty-one lots the branding was incomplete.

The following statements are typical of those made by the commission men, the wholesale men and the retail men in the markets of New York:

"We estimate that about 80 per cent. of the apples packed in New York State are packed according to the present law. We believe that growers who really understand the law are glad to comply with its terms, but many of them who are packing their apples correctly do not brand them in accordance with the law."

"About 80 per cent. of New York apples are marked and packed in accordance with the law. Some of the Hudson valley apples were not quite up to the standard at the beginning. Apples from the western part of the state are right up to the standard, and at least 95 per cent. are packed and marked in accordance with the law. The firm handles about 75,000 barrels of New York apples a year. He says that about 90 per cent. are packed in accordance with the law. He adds that two-thirds of the apple dealers in New York City will agree to this statement."

Another concern stated that they believed 80 per cent. of New York apples are packed and marked in accordance with the law; that some shippers of apples do not quite understand the law, and their failure to comply with it is not intentional. This firm handles 30,000 barrels of apples a year, and 85 per cent. are packed and marked properly. He approves of the law.

Mr. Roy Freman, in charge of the salesrooms of the Fruit Auction Company, when asked about the law, replied that he found the Apple Grading law observed, and stated that about 75 to 80 per cent. of New York apples are marked and graded in accordance with the law.

A resume of the detective work on this question is as follows:

Twenty-one visits were made to extensive commission houses in New York City, and not one estimated the apples that were packed in accordance with the law less than 70 per cent. Most of them stated that the law was observed to the extent of 85 or 90 per cent. of the apples sent to the New York market.

As investigation in the markets of Baltimore and Philadelphia shows that conditions are similar to those in New York.

It would be interesting to know what influence the law has had upon the apple industry of New York State. Opinions, of course, are valuable insofar as they are based upon facts, and while it is difficult to arrive at any definite conclusion, it is of interest to the fruit growers to know how men who handle thousands of barrels of apples feel towards the law. Such statements are:

One large commission merchant in New York City states that there has

been a marked improvement in the packing and grading of New York apples. On account of the establishment of standard grades they have been able to sell to distant merchants in other states, in carlots, apples guaranteed under the New York standards. One sale of seventy cars was made by this firm this fall at prices f. o. b. shipping points. This grading law, therefore, has increased the demand for New York apples by establishing standard and improved grades. Other firms have done the same, thus widening the distribution of the sale of apples throughout the country; otherwise they would have been forced on the New York market at low prices.

A firm that handles about five cars of New York apples per week states that apple dealers, shippers and farmers find that the law is of great benefit, and that it has improved conditions one thousand per cent.

A firm in Philadelphia says that there is a greater demand for New York apples than for Pennsylvania, Maryland or Virginia fruit, because of the flavor. The firm believes the law a great benefit and that it has improved conditions a great deal. It has no trouble in disposing of New York apples.

BEE INSPECTION

Bee inspection work consists of an attempt to control and eradicate the brood diseases of bees. This work is done under an act passed about twenty years ago, at a time when the eastern counties of the State were threatened with brood diseases to such an extent that the industry of honey production was sadly reduced; but at the present time little or no disease appears in the counties where the diseases were most virulent. These diseases appear from time to time, and the keepers of apiaries must be instructed relative to the manipulation of these colonies; but occasionally it is necessary to have colonies destroyed to prevent the spread of disease in local communities. A system of quarantine regulation has been adopted which, by order of the Commissioner, prevents the selling of diseased colonies.

One difficult feature in this work is the fact that beekeepers are widely scattered over the State; the industry is not an extensive one, and the homes of the beekeepers are often many miles from convenient means of communication.

Another duty of the inspectors is to attend various meetings of the associations of the State, and impart such knowledge as they possess relative to the art of beekeeping.

The following is a summary of the work performed by the bee inspectors during 1915. It is a satisfaction to report that there is comparatively little brood disease in the State, and the crop of honey produced was fully up to the ten-year average.

Number of apiaries inspected 464, embracing 24,480 colonies. Four hundred and fifty-four of these colonies were found diseased and 352 were condemned and the balance destroyed. Fifty-six quarantine orders were issued under the rules of the Department to prevent the removal, sale or shipment of any colonies of bees infected by disease.

INSECTICIDES AND FUNGICIDES

Under the provisions of Article VI of the Agricultural Law manufacturers and dealers in original packages of these commodities, within the state, are required to file an application with the Commissioner of Agriculture, and certificates are issued permitting them to do business in the State. The law requires a statement of the percentage of essential ingredients in the commodities, and the system of labeling requires practically a repetition of the constituents of the several commodities; thus a guarantee is established relative to the quality of the contents of the package. Since this law was enacted there has been a great improvement in the commodities used by fruit growers for the control of insect pests and fungus diseases. The law provides that the Commissioner of Agriculture shall have samples of commodities taken on the open market, which samples are sent to the Geneva Experiment Station for analysis. The following is a list of samples collected and sent to the Station during 1915. The official analyses of these samples will be published in bulletin form by the New York Agricultural Experiment Station at Geneva.

SAMPLES OF INSECTICIDES AND FUNGICIDES COLLECTED AND SUBMITTED TO THE
GENEVA EXPERIMENT STATION FOR ANALYSIS

NAME OF COMMODITY	NAME OF MANUFACTURER	PLACE WHERE SAMPLE WAS TAKEN	SAMPLE NUMBER
Herrmann's Calite.....	Morris Herman & Co., 200 5th Ave., N. Y.....	Ontario	A-1727
Swift's Arsenate of Lead....	Merrimac Chemical Co., Bos- ton, Mass.....	Ontario	A-1728
Electro Arsenate of Lead....	Vreeland Chemical Co., 50 Church St., N. Y.....	Rochester	A-1729
Electro Dry Arsenate of Lead	Vreeland Chemical Co., 50 Church St., N. Y.....	Rochester	A-1730
Vreeland's Micro.....	Vreeland Chemical Co., 50 Church St., N. Y.....	Rochester	A-1731
Electro Bordo-Lead Mixture	Vreeland Chemical Co., 50 Church St., N. Y.....	Rochester	A-1732
Electro Bordo-Pulp.....	Vreeland Chemical Co., 50 Church St., N. Y.....	Rochester	A-1733

NAME OF COMMODITY	NAME OF MANUFACTURER	PLACE WHERE SAMPLE WAS TAKEN	SAMPLE NUMBER
Arsenate of Lead, Orchard Brand	Thomsen Chemical Co., Baltimore, Md.	Wolcott	A-1734
Bordeaux Mixture.....	Ansbacher Insecticide Co., 527 5th Ave., N. Y.	Wolcott	A-1735
Babcock Lasher Formulae Carbolic Soap.....	Babcock Lasher, Rochester, N. Y.	Wolcott	A-1736
Sulco V. B.....	Chas. Fremd, North Rose, N. Y.	North Rose	A-1737
Instant Aphicide.....	Chas. Fremd, North Rose, N. Y.	North Rose	A-1738
Lime-Sulphur Solution.....	Sherwin-Williams Co., Cleveland, Ohio	Ontario	A-1739
Lime-Sulphur Solution.....	L. A. Wilson, Williamson, N. Y.	Williamson	A-1740
Bordeaux Mixture Paste.....	Grasselli Chemical Co., Cleveland, Ohio	Newark	A-1741
Arsenate of Lead.....	Sherwin-Williams Co., Cleveland, Ohio	Lyons	A-1742
Aphis Punk.....	Nicotine Mfg. Co., St. Louis, Mo.	Rochester	A-1743
Fish Oil Soap.....	Jas. A. Blanchard Co., New York city	Rochester	A-1744
Paris Green.....	Jas. A. Blanchard Co., New York city	Rochester	A-1745
Bordeaux Mixture.....	Jas. A. Blanchard Co., New York city	Rochester	A-1746
Scalecide	B. G. Pratt Co., New York city	Rochester	A-1747
Fir Tree Oil Soap.....	J. C. Pierson	Rochester	A-1748
Nicoticide	P. R. Palethorpe Co., Clarksville, Tenn.	Rochester	A-1749
Nikoteen	Nicotine Mfg. Co., St. Louis, Mo.	Rochester	A-1750
Sulpho-Tobacco Soap.....	Larkin Co., Buffalo, N. Y.	Rochester	A-1751
Nicofume Liquid.....	Kentucky Tobacco Products Co., Louisville, Ky.	Rochester	A-1752
Ansbacher's Paris Green.....	A. R. Ansbacher & Co.	Geneva	O-4952
Nictone	Parke, Davis & Co.	Geneva	O-4953
Lead Arsenate.....	Hemingway's London Purple Co., N. Y.	Geneva	O-4954
Bordeaux Mixture (Dry).....	Leggett & Brother, New York	Geneva	O-4955
Bug Dope.....	H. J. Smith & Co., Utica, N. Y.	Shortsville	O-4956
Black Leaf 40.....	Kentucky Tobacco Products Co., Louisville, Ky.	Shortsville	O-4957
Ansbacher's Paris Green.....	A. B. Ansbacher & Co., New York	Holcomb	O-4958
Simplex Bug Poison.....	H. J. Smith & Co., Utica, N. Y.	Geneva	O-4959
Soluble Sulphur Compound... (Dry form).....	Niagara Sprayer Co., Middleport, N. Y.	Geneva	O-4960
Arsenate of Lead Paste.....	Ansbacher Insecticide Co., New York	Canandaigua	O-4961
Paris Green.....	A. B. Ansbacher & Co., New York	Canandaigua	O-4962
Arsenate of Lead (Dry Powdered)	Sherwin-Williams Co.	Canandaigua	O-4963
Lead Arsenate Paste.....	Hemingway & Co., Inc., New York	Canandaigua	O-4964
Paris Green.....	Leggett & Brother	Canandaigua	O-4965
Leggett's Dry Bordeaux Mixture	Leggett & Brother	Canandaigua	O-4966
Black Leaf 40.....	Kentucky Tobacco Products Co., Louisville, Ky.	Canandaigua	O-4967
Soluble Sulphur Compound... Dry	Niagara Sprayer Co., Middleport, N. Y.	Canandaigua	O-4968
Bug Death.....	Danforth Chemical Co., Leominster, Mass.	Canandaigua	O-4969
Paris Green	Leggett & Brother, New York	Geneva	O-4970

NAME OF COMMODITY	NAME OF MANUFACTURER	PLACE WHERE SAMPLE WAS TAKEN	SAMPLE NUMBER
Arsenate of Lead Paste.....	Leggett & Brother, New York	Geneva	O-4971
French Bordeaux Mixture....	Benjamin Hammond, Beacon, N. Y.	Geneva	O-4972
Arsenate of Lead Dry Powdered	Sherwin-Williams Co., Cleveland, Ohio.....	Victor	O-4973
Tuber-Tonic	Sherwin-Williams Co., Cleveland, Ohio.....	Victor	O-4974
Bug Death.....	Danforth Chemical Co., Leominster, Mass.....	Victor	O-4975
Waldock's Bordo-Compound..	L. J. Waldock Co., Friendship, N. Y.....	Victor	O-4976
Paris Green.....	Sherwin-Williams Co., Cleveland, Ohio.....	Honeoye	O-4977
Paris Green.....	Fred L. Lavenburg, New York	Honeoye	O-4978
Lime Sulphur Solution.....	Grasselli Chemical Co., Cleveland, Ohio.....	Holcomb	O-4979
Lime Sulphur Solution.....	Niagara Sprayer Co., Middleport, N. Y.....	Holcomb	O-4980
Lime Sulphur Solution.....	Grasselli Chemical Co., Cleveland, Ohio.....	Hall	O-4981
Paris Green, Rogers.....	Packed for Detroit White Lead Works, Chicago, Detroit, Buffalo.....	Hall	O-4982
Paris Green	Sherwin-Williams Co., Cleveland, Ohio.....	Stanley	O-4983
Lime and Sulphur Solution..	The Rex Company, Rochester, N. Y.....	Seneca Castle.....	O-4984
Paris Green.....	F. W. Devoe & C. T. Raynolds Co., New York.....	Seneca Castle.....	O-4985
In-Sect-Ine	Insectine Mfg. Co., Buffalo, N. Y.....	Seneca	O-4986
Paris Green.....	F. W. Devoe & C. T. Raynolds Co., New York.....	Lima	O-4987
Arsenate of Lead.....	F. W. Devoe & C. T. Raynolds Co., New York.....	Lima	O-4988
Dow Lime-Sulphur Solution..	The Dow Chemical Co., Midland, Mich.....	Newark	O-4989
Lime-Sulphur Solution.....	Thomsen Chemical Co.....	Wolcott	O-4990
Paris Green.....	J. Pfeiffer, New York.....	Ontario	O-4991
Paris Green.....	Jas. A. Blanchard Co., New York	Webster	O-4992
Sulphate of Nicotine.....	Distributed by Grasselli Chemical Co., Cleveland, Ohio	North Rose.....	O-4993
Hammond's Slug Shot.....	Hammond's Slug Shot Works, Beacon, N. Y.....	Lyons	O-4994
Rose Nicotine.....	F. A. Thompson & Co., Detroit, Mich.....	Lyons	O-4995
Kno-Bug	Carpenter Morton Co., Boston, Mass.....	Lyons	O-4997
Dow Arsenate of Lead.....	Dow Chemical Co., Midland, Mich.....	Lyons	O-4998
Lime Sulphur Solution.....	Jas. A. Blanchard Co., New York	Rochester	O-4999
Fish Oil Soap.....	James Good, Philadelphia, Pa.	Ontario	O-5000

The following is a list of manufacturers and dealers who were granted certificates under Article VI of the Agricultural Law during the year 1915:

LIST OF MANUFACTURERS AND DEALERS TO WHOM CERTIFICATES WERE ISSUED

MANUFACTURER OR DEALER	PRODUCT
Ackley, C. H., Newark Valley, N. Y.	Ackley's Fly Spray and Louse Killer.
Adams, C. L., Moravia, N. Y.	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
	Dow Bordo Mixture.
	Dow Bordo Lead Arsenate.

MANUFACTURER OR DEALER

PRODUCT

Albright, W. H.,	New Baltimore Station, N. Y.	Orchard Brand Arsenate of Lead, Standard.
		Orchard Brand Arsenate of Lead, T. P.
		Orchard Brand Arsenite of Zinc.
		Orchard Brand Atomic Sulphur and Arsenite of Zinc.
		Orchard Brand Bordeaux Mixture and Arsenate of Lead.
		Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
		Orchard Brand Atomic Sulphur.
		Orchard Brand Bordeaux Mixture.
		Orchard Brand Arsenate of Lead, Powdered.
		Orchard Brand Arsenite of Zinc, Powdered.
		Orchard Brand Soluble Oil.
		Orchard Brand Lime Sulphur Solution.
		Orchard Brand B. T. S.
		Orchard Brand Arsenate of Lime.
		Orchard Brand T. P. Arsenate of Lead, Powdered.
Austin, E.,	Ransomville, N. Y.	Orchard Brand Arsenate of Lead, Standard.
		Orchard Brand Arsenate of Lead, T. P.
		Orchard Brand Arsenite of Zinc.
		Orchard Brand Atomic Sulphur and Arsenite of Zinc.
		Orchard Brand Bordeaux Mixture and Arsenate of Lead.
		Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
		Orchard Brand Atomic Sulphur.
		Orchard Brand Bordeaux Mixture.
		Orchard Brand Arsenate of Lead, Powdered.
		Orchard Brand Arsenite of Zinc, Powdered.
		Orchard Brand Soluble Oil.
		Orchard Brand Lime Sulphur Solution.
		Orchard Brand B. T. S.
		Orchard Brand Arsenate of Lime.
		Orchard Brand T. P. Arsenate of Lead, Powdered.
Austin & Rowley	Cold Storage Co., Medina, N. Y.	Dow Lime-Sulphur Solution.
		Dow Arsenate of Lead.
Blanchard Co.,	The James A., 30 Church St., New York City.	Lion Brand Powdered Tobacco.
		Lion Brand Arsenate of Lead.
		Lion Brand Fish Oil Soap.
		Lion Brand Kerosine Emulsion.
Bradley, Wilbur A.,	Lockport, N. Y.	F. & B.
Briggs, B.,	Oakfield, N. Y.	Stahl's Noxall Dry Mixture.
		Orchard Brand Arsenate of Lead, Standard.
		Orchard Brand Arsenate of Lead, T. P.
		Orchard Brand Arsenite of Zinc.
		Orchard Brand Atomic Sulphur and Arsenite of Zinc.
		Orchard Brand Bordeaux Mixture and Arsenate of Lead.
		Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
		Orchard Brand Atomic Sulphur.
		Orchard Brand Bordeaux Mixture.
		Orchard Brand Arsenate of Lead, Powdered.
		Orchard Brand Arsenite of Zinc, Powdered.
		Orchard Brand Soluble Oil.
		Orchard Brand Lime Sulphur Solution.
		Orchard Brand B. T. S.
		Orchard Brand Arsenate of Lime.
		Orchard Brand T. P. Arsenate of Lead, Powdered.
		Rexall Compound Larkspur Lotion.
Buckminster, W. A.,	Wolcott, N. Y.	Dow Lime-Sulphur Solution.
		Dow Arsenate of Lead.
Canfield Supply Co.,	Kingston, N. Y.	Black Leaf 40.
Charlotte Coal & Supply Co.,	Charlotte, N. Y.	Orchard Brand Arsenate of Lead, Standard.
		Orchard Brand Arsenate of Lead, T. P.
		Orchard Brand Arsenite of Zinc.
		Orchard Brand Atomic Sulphur and Arsenite of Zinc.
		Orchard Brand Bordeaux Mixture and Arsenate of Lead.
		Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
		Orchard Brand Atomic Sulphur.
		Orchard Brand Bordeaux Mixture.
		Orchard Brand Arsenate of Lead, Powdered.
		Orchard Brand Arsenite of Zinc, Powdered.
		Orchard Brand Soluble Oil.
		Orchard Brand Lime Sulphur Solution.

MANUFACTURER OR DEALER

PRODUCT

	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
Clark Hardware Co., Jamestown, N. Y.	Orchard Brand T. P. Arsenate of Lead, Powdered.
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
Clifton, L. J., Memphis, N. Y.	Orchard Brand T. P. Arsenate of Lead, Powdered.
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Cole, H. D., Interlaken, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Cothran, G. H., Youngstown, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Beck, Dorman, Ravena, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.

MANUFACTURER OR DEALER

PRODUCT

	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
DuBois, Philip H.,	Orchard Brand	T. P. Arsenate of Lead, Powdered.
	New Paltz, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Dunham, Arthur,	Lyndonville, N. Y.	
	Dow Lime-Sulphur Solution.	
	Dow Arsenate of Lead.	
Ebeling, F. H.,	Syracuse, N. Y.	
	Swift's Arsenate of Lead Paste.	
	Swift's Arsenate of Lead Powdered.	
Falvey, D. K.,	Westfield, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Field Force Pump	Co., Elmira, N. Y.	
	Swift's Arsenate of Lead Paste.	
	Swift's Arsenate of Lead Powdered.	
Folger, Wayne H.,	Olcott, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Fowler, George R.,	Marlboro, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.

MANUFACTURER OR DEALER

PRODUCT

Fraser, E. T., Youngstown, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Fraser, Samuel, Geneseo, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Fremd, Charles, North Rose, N. Y.	Instant Aphiscide.
Fuller & Barnhart, Fairport, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Gardner, R. J., Ulster Park, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Gibson Drug Co., Rochester, N. Y.	Powdered Hellebore.
Goodman, B. J., Phelps, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.

MANUFACTURER OR DEALER	PRODUCT
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Hager & Son, F. J., 130 W. Dominick St., Rome, N. Y.	Key Brand Arsenate Lead Paste.
Hallock, R. W., Milton, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Handy Torch Co., The, Utica, N. Y.	Arsenate of Lead Salvage.
Handyside, W. G., Wyoming, N. Y.	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
Hayes & Cleghorn, Gasport, N. Y.	Economy Brand Lime-Sulphur Solution.
	Key Brand Arsenate of Lead.
Hemingway & Co., Inc., New York City.	"London Purple."
	Caascu.
	Lead Arsenate.
Hermann & Co., Morris, 200 Fifth Ave., N. Y. City.	Tono-Paste.
Hitchcock, Mott D., Eagle Harbor, N. Y.	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
Horton, C. C., Victor, N. Y.	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
Horton & Crozier, Penn Yan, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Humphrey, C. G., Cobleskill, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Hyatt, F. E., Marcellus, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.

MANUFACTURER OR DEALER

PRODUCT

	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
In-Sect-Inc Manufacturing Co.,	1201 General Electric Bldg.,	Buffalo, N. Y.
In-Sect-Inc.		
Jones Estate, A. P.,	Catskill, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Kelly, B. B.,	Sodus, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Kelsey, F. S.,	Clyde, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Kirke Chemical Co.,	245-247 Robinson St.,	Brooklyn, N. Y.
	Kirke	Bordeaux Cartridge.
	Kirke	"Tobacco" Nicotine Compound.
	Kirke	Hothouse Special Nicotine Compound.
	Kirke	Arsenate of Lead Compound.
	Kirke	Angle-worm Destroyer-Corrosive Sublimate Compound.
Lake, Robert L.,	1966 Valentine Ave.,	New York City.
	Disappears.	
LeRoy Transfer & Storage Co.,	LeRoy, N. Y.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.

MANUFACTURER OR DEALER	PRODUCT
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Lowe Mfg. Co., The J. H., Seneca Falls, N. Y.	Lowe's Bordeaux Arsenate of Copper Mixture.
	Lowe's Universal Spray.
	Myrboleum.
	Lowe's Bordeaux Mixture.
Luff, Geo. W., Lockport, N. Y.	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
McCrillis & Co., Holley, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
McEwan Hardware Co., Cooperstown, N. Y.	Swift's Arsenate of Lead Paste.
	Swift's Arsenate of Lead Powdered.
McKay, W. L., Geneva, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Moody, E. L., Rushville, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
New York State	Grange Purchasing Agency, Olean, N. Y.
	Cloros Mixture of Bordo & Lead Arsenate.
	Green Cross Bordo-Paste.
	Green Cross Arsenate of Lead Paste.
	Green Cross Arsenate of Lead Powder.
	Green Cross Sulpho-Arsenate Powder.
	Lime Sulphur.
Ormount, Bernard, 104 John St., New York City.	Ormocide.

MANUFACTURER OR DEALER

PRODUCT

Paddock, W. H., Wolcott, N. Y.	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
Payne, H. S., Millers, N. Y.	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Pearson, F. R., Tarrytown, N. Y.	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
Perry & Son, O. H., Manlius, N. Y.	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Platten, P. D., Lyndonville, N. Y.	Aphine.	
	Fungine.	
	Scaline.	
	Vermine.	
	Black Leaf 40.	
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
Plimpton-Cowan Co., Inc., Buffalo, N. Y.	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand	Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand	Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur.
Post, Abram A., Stanley, N. Y.	Orchard Brand	Bordeaux Mixture.
	Orchard Brand	Arsenate of Lead, Powdered.
Perry & Son, O. H., Manlius, N. Y.	Orchard Brand	Arsenite of Zinc, Powdered.
	Orchard Brand	Soluble Oil.
	Orchard Brand	Lime Sulphur Solution.
	Orchard Brand	B. T. S.
Plimpton-Cowan Co., Inc., Buffalo, N. Y.	Orchard Brand	Arsenate of Lime.
	Orchard Brand	T. P. Arsenate of Lead, Powdered.
Perry & Son, O. H., Manlius, N. Y.	Dow	Arsenate of Lead.
	Dow	Lime-Sulphur Solution.
Post, Abram A., Stanley, N. Y.	Orchard Brand	Arsenate of Lead, Standard.
	Orchard Brand	Arsenate of Lead, T. P.
	Orchard Brand	Arsenite of Zinc.
	Orchard Brand	Atomic Sulphur and Arsenite of Zinc.

MANUFACTURER OR DEALER	PRODUCT
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Potter & Co., F. W., Churchville, N. Y.	
	Dow Lime-Sulphur Solution.
	Dow Arsenate of Lead.
Proctor & Dow, 30 Grand St., Albany, N. Y.	
	P. & D.'s Insecticide.
Plantlife Co., Inc., The, 417 East 19th St., New York City.	
	Plantlife Insecticide.
Roberts, Myron, Hilton, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Root, David, West Kendall, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Rupert, P. G., Seneca, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Sears & Company, Dundee, N. Y.	
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.

MANUFACTURER OR DEALER	PRODUCT
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Shafer Co., Perry C., Brockport, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Sherwin-Williams Co., The, New York City.	Lime-Sulphur Solution.
	New Process Arsenate of Lead.
	15% Arsenate of Lead.
	Dry Powdered Arsenate of Lead.
	Fungi-Bordo.
	Tuber-Tonic.
Shufelt, John, Ghent, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Silsby, John K., Gasport, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
Singer Chemical Co., 171 Duane St., New York City.	Singer's Endapest.
Snow & Co., C. W., Syracuse, N. Y.	Swift's Arsenate of Lead Paste.
	Swift's Arsenate of Lead Powdered.
Suffolk Dairy, Waterville, N. Y.	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.

- Orchard Brand Arsenate of Lime.
 Orchard Brand T. P. Arsenate of Lead, Powdered.
 Swan & Finch Co., 151 Maiden Lane, New York City.
 Babcock-Lasher Formula-Fish Oil Soap.
 Swick, W. Glenn, Wilson, N. Y.
 Orchard Brand Arsenate of Lead, Standard.
 Orchard Brand Arsenate of Lead, T. P.
 Orchard Brand Arsenite of Zinc.
 Orchard Brand Atomic Sulphur and Arsenite of Zinc.
 Orchard Brand Bordeaux Mixture and Arsenate of Lead.
 Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
 Orchard Brand Atomic Sulphur.
 Orchard Brand Bordeaux Mixture.
 Orchard Brand Arsenate of Lead, Powdered.
 Orchard Brand Arsenite of Zinc, Powdered.
 Orchard Brand Soluble Oil.
 Orchard Brand Lime Sulphur Solution.
 Orchard Brand B. T. S.
 Orchard Brand Arsenate of Lime.
 Orchard Brand T. P. Arsenate of Lead, Powdered.
 Terhune, W. L., Waterville, N. Y.
 Superfine Flour Sulphur.
 Thompson, Newell E., Ontario, N. Y.
 Lime-Sulphur Solution.
 Key Brand Arsenate of Lead.
 Treichler, Frank L., Sanborn, N. Y.
 Royal Lime-Sulphur Solution.
 Vait-Beatty Co., Germantown, N. Y.
 Orchard Brand Arsenate of Lead, Standard.
 Orchard Brand Arsenate of Lead, T. P.
 Orchard Brand Arsenite of Zinc.
 Orchard Brand Atomic Sulphur and Arsenite of Zinc.
 Orchard Brand Bordeaux Mixture and Arsenate of Lead.
 Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
 Orchard Brand Atomic Sulphur.
 Orchard Brand Bordeaux Mixture.
 Orchard Brand Arsenate of Lead, Powdered.
 Orchard Brand Arsenite of Zinc, Powdered.
 Orchard Brand Soluble Oil.
 Orchard Brand Lime Sulphur Solution.
 Orchard Brand B. T. S.
 Orchard Brand Arsenate of Lime.
 Orchard Brand T. P. Arsenate of Lead, Powdered.
 Vaughan's Seed Store, 43 Barclay St., New York City.
 Nicotume Liquid.
 Nicotume Tobacco Paper.
 Black Leaf 40.
 Bug Death.
 Nikoteen.
 Aphis Punk.
 Squito-Rid.
 Vick's Sons, James, 299 State St., Rochester, N. Y.
 Bug Death.
 Walker & Gibson, Albany, N. Y.
 Orchard Brand Arsenate of Lead, Standard.
 Orchard Brand Arsenate of Lead, T. P.
 Orchard Brand Arsenite of Zinc.
 Orchard Brand Atomic Sulphur and Arsenite of Zinc.
 Orchard Brand Bordeaux Mixture and Arsenate of Lead.
 Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
 Orchard Brand Atomic Sulphur.
 Orchard Brand Bordeaux Mixture.
 Orchard Brand Arsenate of Lead, Powdered.
 Orchard Brand Arsenite of Zinc, Powdered.
 Orchard Brand Soluble Oil.
 Orchard Brand Lime Sulphur Solution.
 Orchard Brand B. T. S.
 Orchard Brand Arsenate of Lime.
 Orchard Brand T. P. Arsenate of Lead, Powdered.
 Dow Arsenate of Lead.
 Dow Lime-Sulphur Solution.
 Swift's Arsenate of Lead Paste.
 Swift's Arsenate of Lead Powdered.
 White Hellebore.
 Wells & Hubbard, Pavilion, N. Y.
 Orchard Brand Arsenate of Lead, Standard.
 Orchard Brand Arsenate of Lead, T. P.
 Orchard Brand Arsenite of Zinc.

MANUFACTURER OR DEALER

PRODUCT

	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.
West Disinfecting Co.,	12 East 42d St., New York City.
	Kilbug.
	Surekill.
	Cidol Insecticide.
	CN or Coro Noleum.
	Coro Natholeum Dlp.
	Kilroach.
	Cidol Roach Powder.
Williams, B. H.,	Ontario, N. Y.
	Orchard Brand Arsenate of Lead, Standard.
	Orchard Brand Arsenate of Lead, T. P.
	Orchard Brand Arsenite of Zinc.
	Orchard Brand Atomic Sulphur and Arsenite of Zinc.
	Orchard Brand Bordeaux Mixture and Arsenate of Lead.
	Orchard Brand Bordeaux Mixture and Arsenite of Zinc.
	Orchard Brand Atomic Sulphur.
	Orchard Brand Bordeaux Mixture.
	Orchard Brand Arsenate of Lead, Powdered.
	Orchard Brand Arsenite of Zinc, Powdered.
	Orchard Brand Soluble Oil.
	Orchard Brand Lime Sulphur Solution.
	Orchard Brand B. T. S.
	Orchard Brand Arsenate of Lime.
	Orchard Brand T. P. Arsenate of Lead, Powdered.

GRASSHOPPER WORK

During the latter part of May and the first of June reports came to this office from the area known as the grasshopper sections of the State — the sandy and light dry lands of Saratoga, Montgomery, Fulton, Schenectady, Rensselaer, Columbia, and some other counties of the State — that grasshopper depredations threatened to be extensive. In 1914, extensive demonstration work was carried on in these areas and the method of controlling the grasshoppers and of the saving crops was successfully and widely advertised. Since there was a lack of funds available for the work this year, it was determined that, with the knowledge gained the previous year, the farmers could do the work themselves by carrying out instructions. The pressure, however, was so great that the Department felt convinced that something really should be done in sections — mostly outside of Fulton county — where the work seemed to have been wholly successful last year. To be fair with the farmers who really needed the help, the sum of \$3,000 was set aside to pay for the materials to make the Kansas bait, with the understanding that not more than fifty pounds would be given to any one farmer, and that it should be given only to those who could not afford to make the purchase themselves.

In Saratoga county, with the efficient cooperation of Dr. Hollister, Farm Bureau Agent of the county, very satisfactory results were obtained. Grasshoppers were more widely spread over Saratoga than any other county. Here, about seven tons of bran, 700 pounds of paris green, 350 gallons of molasses and 200 dozens of lemons and oranges were distributed in 321 lots.

It is estimated that over seventeen hundred farmers received help from the Department in fighting grasshoppers. Forty tons of bran, 4,000 pounds of paris green, 2,000 gallons of molasses and 1,000 dozens of lemons in all were used which was paid for by the Department at a cost of \$3,035. A great many farmers provided their own material, and it is hoped that the good work done this year will be as successful against future depredations as was the work in Fulton county in 1914.

Our inspector, Mr. Eastman, who had charge of a portion of the work in the most difficult sections, reported as follows:

Wherever the bait was applied according to directions, excellent results were obtained. In following up complaints that the bait did not work, I found that either the bait was not wet enough when applied—that is, the person mixing the bait did not use the required amount of water—or that the farmers did not look over the ground which they treated closely enough to observe the dead grasshoppers.

The only place where I thought the bait did not work well was on a farm in Easton. Here the grasshoppers were very thick in an excellent crop of witch-grass. The bait was applied on Monday, and the following Friday there were a great many live hoppers and some dead ones; whereas in places where the feed was not so good, the number of live hoppers had decreased quite materially and the dead and sick hoppers were very numerous.

Probably nearly every farmer troubled with hoppers used the bait, and I think many who could well afford to pay for it, used the "free bait." Several farmers added one-half pound more paris green to fifty pounds of bran, thus making the dose stronger, and, I think, getting results quicker.

There is a large area of wild land which should have been treated by the county. It is this property which will cause trouble to adjoining farms in future years.

I believe our procedure along lines of exterminating grasshoppers this year has placed the farmers of Saratoga County in a position to cope with the situation should it arise another year.

CROP REPORT

The following circular letter was sent out to about five hundred correspondents in various parts of the State and replies were re-

ceived from about three hundred. A compilation of the reports was made and given to the press. The continuation of this system of reporting, with some modifications, should be of much use to those who are interested in our crops, and I recommend the enlargement of the plan, believing that it should be provided and that correspondence should be kept from year to year, thus adding to the reliability of the estimates desired.

DEAR SIR :

I desire to compile accurate statistics relative to the yield or prospective yield of staple crops in the State. I therefore particularly desire your co-operation by a prompt and careful filling out of the attached blank. Please return your response to this office in the enclosed envelope WITHIN FIVE DAYS. Let your report apply to the conditions in your own county or town. As soon as these reports are tabulated the crop reports giving conditions found will be published in the various newspapers of the State.

Respectfully,
CHARLES S. WILSON,
Commissioner of Agriculture.

CROP REPORT

Date.....191..

By Mr.....P. O.....County

Take 100 as an average and base all estimates upon that figure. (See note.)

Percentage		Percentage	
Apples, Fall.....	.....	Strawberries .....	.....
Apples, Winter.....	.....	Potatoes, early .....	.....
Apples, Baldwins.....	.....	Potatoes, late .....	.....
Apples, Greenings.....	.....	Beans .....	.....
Pears, Bartletts.....	.....	Cabbage .....	.....
Pears, Kieffers.....	.....	Hay .....	.....
Pears, other varietles.....	.....	Corn .....	.....
Plums .....	.....	Wheat .....	.....
Peaches .....	.....	Rye .....	.....
Quinces .....	.....	Oats .....	.....
Grapes .....	.....	Barley .....	.....
Cherries .....	.....	Buckwheat .....	.....
Currants .....	.....	Hops .....	.....
Gooseberries .....	.....	Alfalfa .....	.....

If preferred you can base your estimates on an average crop and use the following blank:

CROP REPORT

Date.....191..

By Mr.....P. O.....County

Take 100 as an average crop and base all estimates upon that figure. (See note.)

Percentage		Percentage	
Apples, Fall.....	.....	Strawberries .....	.....
Apples, Winter.....	.....	Potatoes, early .....	.....
Apples, Baldwins.....	.....	Potatoes, late .....	.....
Apples, Greenings.....	.....	Beans .....	.....
Pears, Bartletts.....	.....	Cabbage .....	.....
Pears, Kieffers.....	.....	Hay .....	.....
Pears, other varietles.....	.....	Corn .....	.....
Plums .....	.....	Wheat .....	.....
Peaches .....	.....	Rye .....	.....
Quinces .....	.....	Oats .....	.....
Grapes .....	.....	Barley .....	.....
Cherries .....	.....	Buckwheat .....	.....
Currants .....	.....	Hops .....	.....
Gooseberries .....	.....	Alfalfa .....	.....

Note.—If hay crop is only half as large, mark 50; if twice as large, mark 200. Write any further information relative to crop outlook on other side.

ERMINE MOTH

In 1913, during the summer months a newly imported insect, the Cherry ermine moth, was found on some apple and cherry seedlings imported from France for planting in the spring of that year. Efforts were made to exterminate the pest, but we have reason to fear that some have escaped.

In 1914, a thorough canvass was made of all seedlings planted and also of the product of 1913 plantings and many nests of the ermine moth were destroyed.

During 1915 special attention has been given to the subject again with the result that we have captured and destroyed 3,600 nests of this pest in various parts of the State. Careful attention should be given to this pest another year with the hope of eradicating it.

EXHIBIT AT THE STATE FAIR

The following is a list of insect cases and specimens of deleterious insects and fungous diseases exhibited at the State Fair in September, 1915:

CASES

Colorado Potato Beetle	
Scale Insects—Scurfy, Oyster Shell & San Jose	
Gipsy Moth (2 cases)	
Blister Rust of Pine (2 cases)	
Grasshoppers	Wild Cherry Leaf Roller
Army Worm	Leaf Blister Mite
Round Headed Apple-Tree Borer	Fall Web-Worm
Pine Bark Beetle	Eight Spotted Forester
Large Poplar Borer	Spiny Elm Caterpillar
Shot Hole Borer	Zebra Caterpillar
Peach Twig Borer	Apple-Tree Tent Caterpillar
Bronze Birch Borer	Brown-Tail Moth
Poplar and Willow Borer	Cecropia Moth
Hickory Bark Beetle	Ermine Moth
Elm Leaf Beetle	Black Knot
Red Humped Apple Worm & Codling Moth	Pear Thrip
White Marked Tussock Moth	Pear Psylla
Hickory Tussock Moth	Pear Slug
Rusty Tussock Moth	Yellow-Necked Datana

SPECIMENS

San Jose Scale on Wood and Apples	Fire Blight
West India Peach Scale	Black Knot on Plum
Oyster Shell Scale	
Scurfy Scale	Colored Plates
Peach Yellow	Potato Wart Disease
Chestnut Blight	Gipsy Moth
Apple Scab	Brown Tail Moth
Red Bug Work on Apples	Bulletins
Apple Maggot in Apples	41. Wart Disease of the Potato
Poplar and Willow Borers	Emergency Bulletin on the Blister Rust
Bronze Birch Borers	of Pines
Large Poplar Borers	Cir. 58 Formulas
Shot Hole Borers	Cir. 112 Tent Caterpillars
Hairy Root	Cir. 62
Crown Galls	Cir. 87
Aphis Galls	Cir. 64
Blister Rust on Pine	Cir. 97
Blister Rust on Currant Foliage	Cir. 111
Powdery Scab on Potatoes (in jar)	Cir. 118
Stalks Affected with Black-Leg (in jar)	Cir. 68
Tubers Affected with Black-Leg (in jar)	Cir. 61
Work of Pine Shot Moth	U. S. Bul. 564, Gipsy and Br. Tail
Egg Masses of Tent Caterpillar	Cir. Letter on Grasshoppers and Control
Hickory Bark Beetle	8 Photos of Diseased Potatoes

BLISTER RUST OF THE PINE

The discovery of this disease in 1906, and the subsequent importations of young white pine seedlings in 1909, caused much alarm among growers of the white pine. This species is one of the most valuable of all our natural forests. In recent years strenuous efforts have been made by State foresters and others to induce owners of lands that are not adapted to other agricultural crops to reforest with pine and other trees. The efforts of those interested were successful in awakening a broad interest in the matter, and extensive plantings were made throughout the State. Therefore a serious problem confronted all interested when this destructive European disease appeared.

The Federal Horticultural Board of the United States Department of Agriculture prohibited the importation of all so-called five-leaf pines into the United States, thus cutting off the main channel through which the disease was spread. Nevertheless it has been found in several sections of the country, but the statement has been made that it has not been known to be present west of Buffalo. The latest reports show that it appears in three localities in New Hampshire, two in Vermont, ten in Massachusetts, two in Connecticut, five in New York, one in Pennsylvania, and three in Ontario, Canada.

Since the disease was discovered in this State efforts have been made to stamp out the infection. These efforts were very

successful until this year, when a new area of infection was found in Chautauqua county. Several years ago over a million white pine seedlings that had been exposed to infection were destroyed, and during this year another plantation of upwards of 60,000 trees were destroyed because it was to a large extent diseased. It is true that many healthy trees were destroyed at these times; it was decided by the authorities that it was much better to burn the entire lot rather than run a risk of distributing the disease broadcast throughout the State.

The disease is a peculiar one to the uninformed. The fungus remains perennially in the pines, and in the trees until they succumb, except that in the summer the spores are distributed and blow broadcast, taking lodgment on plants of the *Ribes* type, including our wild and cultivated currants and gooseberries. On the currants and goosberries the disease is known as *Ribes ribicola*, or felt-rust. It may appear on the underside of the leaves, particularly of black currants, quite late in the fall, though in time to perfect the development of the fungi and the distribution of spores to pine trees, where new or secondary infections begin. The disease is destructive to the pines but seems not to injure the growth of the currant or gooseberry bushes.

Investigations were made last spring, and several lots of currant bushes known to have been infected by the currant rust in 1914 were sent to several botanists for a test. They were widely distributed over the country, planted in greenhouses and watched with microscopic care. In no case did the disease appear on the currants, thus confirming the statement made by all writers on the subject of the disease, that the disease does not carry over winter on *Ribes*.

The above description of the method of spread of the disease in pine trees indicates the only remedy known for the suppression of the disease after it becomes established; namely, the absolute isolation of either the pine trees or the currant bushes. The disease can only be spread when these two species of plants are in proximity, and the disease must stop its spread if one or the other of the plants is eliminated.

The Department has ruled that the form of the disease on the currants and gooseberries is not injurious to, nor destructive to

such plants; therefore under the law we have not been able to destroy one man's currant bushes to save another man's pines, and where the currants have been destroyed, several hundred dollars have been required to pay the owners. On the other hand, diseased pines can properly be destroyed under the law without compensation because no damages can accrue.

PINE-SHOOT MOTH

This insect, *Evetria buoliana*, was first discovered in this country in the early summer of 1914. The insect was heretofore unknown and efforts were made to identify the moth and locate the trees on which it had become established. In 1915, the European pine-shoot moth was found in thirty-two nurseries, representing twenty localities in nine states. In nine nurseries on Long Island, one nursery and one estate in Tarrytown and one estate in Buffalo trees were found slightly infested. The infested trees on the latter estate have all been cut out and it is hoped that there will be no further spread.

Careful attention was given during 1915 to seek out and destroy all pines affected, with, it is hoped, satisfactory results. It is very desirable that the last case shall be found and thus prevent the distribution of one of the worst insect pests of pine trees known in Europe. So far the pine-shoot moth has been found only on pines imported during the last year and seems still confined to European pines in nurseries and private estates. It attacks the trees by injuring or destroying the young twig growth causing a deformation of the tree enough to seriously detract from ornamental or commercial value. The Federal Horticultural Board has during the year placed a quarantine forbidding the importation of all pine trees from Europe.

The following is a brief description of the pest:

The European pine shoot moth eats out the new buds and kills or deforms the young twigs of pine trees in such a way that the timber value is seriously and permanently lowered. The moth feeds mostly on young trees between 6 and 15 years of age, destroying a large number of buds and young shoots and injuring adjoining ones. These injured shoots bend downward and outward, afterwards growing upward again. When the pest is abun-

dant the trees are rendered unsightly and crippled, and are of no commercial value.

The moth lays its eggs early in August singly on the new buds of the pine. The young larva soon hatches and eats its way into the bud, where it spends the winter. As soon as the sap begins to rise in the trees it leaves its winter quarters and bores into the adjoining bud, destroying this and as many others as it needs for food. When the remaining buds begin to grow into young shoots, the larva attacks these as well, consuming the entire inside of the youngest, and injuring the more developed ones so that they grow downward and outward instead of upward. It is impossible to reach the larva with any insecticide after it has once found its winter quarters, and the only effective way of combating the pest is to destroy the infected buds and twigs. Pruning of this kind in the fall and winter months will minimize the damage in the spring, but it is more difficult to determine the existence of the pest at this time than when the injury is further developed. A little practice, however, will enable the nurseryman to recognize the trace of pitch at the base of the bud covering the entrance hole of the larva.

A fuller history is given in a publication of the Federal Department of Agriculture, Bulletin No. 170.

PUBLICATIONS OF THE BUREAU

Two bureaus of the Department, including the Bureau of Horticulture, were notified to cooperate with the Department of Education, the Conservation Commission and the Board of Health, in preparing material suitable for the use of the Department of Education for the Arbor Day exercises in 1915. Circular No. 113 was prepared for this purpose.

Careful attention was given during the year to the revision of Circular No. 58, entitled, "Injurious Insect Pests, Fungous Diseases and Spray Formulae." This was perfected to September 1, 1915. The popularity of this circular is attested by the fact that this edition and its predecessors number over thirty thousand copies.

The bureau has also issued Circular 119, "List of Nurserymen in the State of New York Who Received Certificates of Inspec-

tion for the Year Ending September 1, 1915;" and Circular 120, "The Inspection, Certification and Transportation of Nursery Stock."

PERSONNEL OF THE BUREAU OF HORTICULTURE

The organization of the Bureau of Horticulture is as follows:

George G. Atwood, Chief of the Bureau; B. D. Van Buren, Assistant Chief; H. C. Sands, Pathologist.

Twelve inspectors having charge of divisions of the State are permanently located at convenient points throughout the State. Assistance is given to each one of these supervisory inspectors, depending upon the nature of the work and the season of the year when it must be cared for.

The total number of employees of the Bureau of Horticulture including four bee inspectors, two stenographers, and one copyist, is thirty-eight.

REPORT OF BUREAU OF LICENSES

By A. C. BRINK, *Chief*

This Bureau was organized for the purpose of carrying out the provisions of chapter 457 of the Laws of 1913 in relation to the bonding and licensing of commission merchants doing business within the State, also article 3 of the Agricultural Law, as amended by chapter 408 of the Laws of 1913, and chapter 651 of the Laws of 1915 in relation to the bonding and licensing of milk dealers who purchase milk from producers, the milk being shipped to cities for consumption and for manufacturing purposes.

COMMISSION MERCHANTS

There are listed below the persons, firms, or corporations who have been licensed by this Department as commission merchants for the year ending July 1, 1916, pursuant to the provisions of chapter 457 of the Laws of 1913. They have all complied with the provisions of the Law and have given a bond in the sum of \$3,000, which has been duly approved. A number of applications for licenses are still pending, and supplemental lists of persons licensed will be issued from time to time.

If shippers of farm produce will make shipments of their products to the persons named in this list, they are assured of having the protection of the law for the regulation of the business of commission merchants. It is suggested that they mark shipments "To Be Sold On Commission."

Sales of farm produce to commission merchants at a fixed price, or a price to be agreed upon, are not sales on commission, and the above-named Law does not authorize this Department to collect the amount due in case of nonpayment; nor does it provide a penalty for such nonpayment. All inquiries with respect to this law will be promptly answered.

Many changes are liable to take place in this list due to death, retirement from business, discontinuance of commission business, change in business organization, revocation of license, bankruptcy, etc.

It is, therefore advisable, before making a shipment of produce, that the shipper should ascertain whether the party to whom he intends shipping same handles that kind of produce and in what quantities, and whether or not such party is duly licensed as a commission merchant and is still engaged in the sale of farm produce on commission.

It will greatly assist the commission merchant in handling produce expeditiously and in finding a good market therefor if the shipper will advise him of the kind, quality, and approximate time of arrival of goods shipped and to be shipped.

All complaints should be promptly made and addressed to the Department of Agriculture, Albany, N. Y., and should contain a full statement of facts upon which same are based.

The licenses of all parties listed herein expired by limitation on July 1, 1916.

LICENSED COMMISSION MERCHANTS

ALBANY

NAME	ORGANIZATION	ADDRESS	KINDS OF PRODUCE HANDLED
Davis, James J.....	Individual.....	10 Lyon Block.....	Fruits and vegetables
De Long, Ransom J.....	Individual.....	20 Philip St.....	Fruits, vegetables, poultry, flour, and feed
Doyle, Leslie J.....	Individual.....	104 Hudson Ave.....	Fruit, vegetables, hay, butter, eggs, etc.
Fitch, Cornell & Co.....	Corporation.....	314 Broadway.....	Butter and eggs
Fox River Butter Co.....	Corporation.....	16-18 Philip St.....	Butter, eggs, and cheese
McKown, Alex.....	Individual.....	11 and 12 Lyon Block.....	Fruits and vegetables
McMahon, William J.....	Individual.....	3 Market Square.....	Fruits and vegetables
Mead, J. H. & F. A., Inc.....	Corporation.....	721 Broadway.....	Butter, cheese, and eggs
Reed Co., The W. W.....	Corporation.....	39 Hudson Ave.....	Butter, eggs, cheese, etc.
Rich & Evertsen.....	Partnership.....	8 and 9 Lyon Block.....	Farm produce and fruits
Ryan, John J.....	Individual.....	2 and 4 Grand St.....	Fruit and vegetables
Skillicorn, William J.....	Individual.....	102 Hudson Ave.....	Poultry, butter, eggs, and cheese
Stephens & Son, James.....	Partnership.....	Hudson Ave. and Philip St.....	Fruits, vegetables and farm produce
Swift & Co.....	Corporation.....	699-703 Broadway.....	Meat, poultry, eggs, dairy products, nuts, and honey
Winne, B. S.....	Individual.....	Cedar Hill.....	Hay and straw
Wright, Henry R.....	Individual.....	326 Broadway.....	Farm produce and provisions

AMSTERDAM

Rinella, Battaglia & Co.....	Partnership.....	54 Market St.....	Fruits and vegetables
Roselle, Edward B.....	Individual.....	22-24 West Main St.....	Fruits and vegetables

ANTWERP

Baumert & Co., F. X.....	Partnership.....	Butter and cheese
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BALLSTON SPA

Ballston Refrigerating Storage Co., The.....	Corporation.....	Bath St.....	Apples, potatoes, and all farm produce
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BATH

Dean & Co..... Corporation..... 1 Liberty St..... Hay, grain, and potatoes

BINGHAMTON

Empire Produce Co..... Corporation..... 142 State St..... All kinds of farm produce
Stanton, Bert T..... Individual..... 47 Warren St..... Fruits and vegetables

BROOKLYN

Appel Co., Inc., M. & E..... Corporation..... 171 Fort Green Place..... Eggs, poultry, beef, lamb, and butter
Armann & Colling..... Partnership..... 1014 Wallabout Market..... Fruits and produce
Baum, Henry Z..... Individual..... Brooklyn R. R. terminals (10 Enos
Place, Jersey City, N. J.)..... Hay and straw
Beebe, William H..... Individual..... 221 Flushing Ave., Wallabout Market..... General produce
Berrian Bros..... Partnership..... 30 Wallabout Market..... Fruits and vegetables
Berrian & Joerger..... Partnership..... 122 West Ave., Wallabout Market... Fruit, eggs, and produce
Boehm & Co..... Partnership..... 185-187 Fort Green Place..... Poultry and meats
Boehm, Daniel P..... Individual..... 204 Wallabout Market..... Poultry and eggs
Bohnson, Emma..... Individual..... 84 Kent Ave..... Hay and straw
Borchers, August Henry..... Individual..... 1932, 1033 Wallabout Market..... Fruits and produce
Braun, Ignatz..... Individual..... 137 West Ave., Wallabout Market... Fruit and vegetables
Braun & Sons, John..... Partnership..... 148 West Ave., Wallabout Market... Fruits, vegetables, and eggs
Brooklyn Hay & Grain Co..... Corporation..... 86-88 Kent Ave..... Hay, straw, and grain
Brooks, Jacob..... Individual..... 119 West Ave., Wallabout Market... Fruits and vegetables
Bruna & Scheele..... Partnership..... 23, 24 Wallabout Market..... Fruits, vegetables, and eggs
The Busy Three..... Partnership..... 12 Wallabout Market..... Potatoes, fruits, and vegetables
Clark, Seymour..... Individual..... Clymer St..... Potatoes, turnips, apples, onions, and hay
Conron Bros. Co..... Corporation..... 189, 191 Fort Green Place..... Meats
Danziger Bros..... Partnership..... 144 West Ave..... Fruits and produce
Dworetzky & Shilestein..... Partnership..... 97, 99 Varet St..... Eggs and butter
Fehring Bros..... Partnership..... 146 West Ave., Wallabout Market... Fruits and produce
Fierro Brothers..... Partnership..... 1105 Washington Ave..... Fruit and produce
Fitter, Ernest August..... Individual..... 21 and 138 Wallabout Market... Butter, eggs, and cheese
Fitter & Sons, C..... Partnership..... 11 Wallabout Market..... Butter and eggs

LICENSED COMMISSION MERCHANTS — *Continued*BROOKLYN—*Continued*

NAME	ORGANIZATION	ADDRESS	KINDS OF PRODUCE HANDLED
Friedman Bros.....	Partnership....	118 West Ave., Wallabout Market...	Fruit and produce
Gerdt's & Sons, John H.....	Partnership....	27 Washington Ave., Wallabout Market	Fruits, vegetables, and eggs
Gleichmann & Co., R.....	Partnership....	113, 115 West Ave., Wallabout Market	Fruit, produce, poultry, and eggs
Goetschius & Co., L. W.....	Partnership....	1015 and 1129 Wallabout Market...	Fruits, vegetables, and eggs
Goodman, Aron M.....	Individual	89 Siegel St.....	Poultry, eggs, and butter
Grauban, John W.....	Individual	86-88 Kent Ave.....	Hay and straw
Graf, George W.....	Individual	201 Wallabout Market.....	Calves, eggs, pigs, and beef
Jochnowitz Bros.....	Partnership....	419 Hart St.....	Butter, eggs, and poultry
Halpern & Kaufman.....	Partnership....	1021 Washington Ave.....	Butter, eggs, and lard
Herold's Sons, Casper.....	Partnership....	26, 142-143 Wallabout Market.....	Fruits and vegetables
Hotelling, Henry S.....	Individual	All R. R. terminals (601 West 33d St., N. Y. C.).....	Hay and straw
Jill, Robert.....	Individual	1108 Freeman Ave., Wallabout Market	Fruits and produce
Kastner & Co., George.....	Partnership....	31 Wallabout Market.....	Butter, cheese, eggs, and lard
Keller & Freeman.....	Partnership....	205 Market Ave., Wallabout Market.	Poultry, calves, and eggs
Lippmann & Sons, D.....	Partnership....	1030, 1031 Wallabout Market.....	Fruit and vegetables
McAllen & Nuttall.....	Partnership....	All R. R. terminals (601 West 33d St., N. Y. C.).....	Hay, straw, grain, etc.
McDicken Co., Alexander.....	Corporation....	18 Washington Ave.....	Fruits and vegetables
Maniscalco, Paul.....	Individual	Wallabout Market.....	All produce
Marfori, Pietro.....	Individual	117 A St.....	Fruits and produce
Mayer, David.....	Individual	152 Fort Green Place.....	Meats and poultry
Meklenburg, Louis.....	Individual	1016 Wallabout Market.....	Fruits and vegetables
Menzer, William.....	Individual	124 Boerum St.....	Butter and eggs
Meyer, Theodore H.....	Individual	132 West Ave., Wallabout Market..	Fruits and produce
Meyer, Re & Co.....	Partnership....	101, 103 Wallabout Market.....	Fruits and vegetables
Miller & Bertholf.....	Partnership....	North 10th St. and Kent Ave.....	Hay, straw, and grain
Montesani, Frank.....	Individual	1022 Washington Ave.....	Fruit, produce, and poultry

Morris, Hyman.....	Individual.....	1023 Wallabout Market.....	Fruit, produce, and eggs
Novich, John G.....	Individual.....	221 Flushing Ave.....	Poultry, eggs, butter, and calves.
Petchesky & Sons, F.....	Partnership.....	240 Wallabout Market.....	Fruits and produce
Pretzmann & Co., Inc., William.	Corporation.....	East & Flushing Aves., Wallabout Market	
Richter, Louis.....	Individual.....	5 Wallabout Market.....	Meats, poultry, and food products
Roberts, Joseph Y.....	Individual.....	All R. R. terminals (601 West 33d St., N. Y. C.).....	Fruits and vegetables
Rollo, James.....	Individual.....	1019 Washington Ave., Wallabout Market	Hay and straw
Rosenblum, Abraham.....	Individual.....	52 Bushwick Place.....	Fruits and produce
Sabel, Joseph.....	Individual.....	234 Market Ave., Wallabout Market.....	Fruits and farm produce
Schaefer & Son, Chas.....	Partnership.....	304 Meserole St.....	Fruits and vegetables
Schlick Bros.....	Partnership.....	104, 106 West Ave., Wallabout Market	Hay, straw, and grain
Schroeder, Henry J.....	Individual.....	114 West Ave., Wallabout Market.....	Fruits, poultry, eggs, and farm produce
Seiden's Son, L.....	Individual.....	312 Stone Ave.....	Fruits, vegetables, nuts, honey, dairy products, and eggs
Shukal & Co., L. J.....	Partnership.....	15 Wallabout Market.....	Butter, eggs, cheese, and poultry
Simeusky Brothers.....	Partnership.....	131-133 West Ave., Wallabout Market	Fruits, butter, eggs, and farm produce
Springer, Herman.....	Individual.....	14 Wallabout Market.....	Fruits and vegetables
Swift & Company, Inc.....	Corporation.....	74-76 Atlantic Ave.....	Fruit and vegetables
Townsend, Thomas H.....	Individual.....	126, 128 West Ave., Wallabout Market	Meats, poultry, eggs, dairy products, nuts, and honey
Vahlsing, Frederiek H.....	Individual.....	1029 Washington Ave., Wallabout Market	Fruits, vegetables, and eggs
Van Vorst, Inc., George E.....	Corporation.....	1138 Flushing Ave.....	Vegetables
Vroman, Sanford A.....	Individual.....	86, 88 Kent Ave.....	Hay, grain, and straw
Waldbaum, S. & W.....	Partnership.....	54, 56 Summer Ave. and 911 Dekalb Ave.....	Hay and straw
Weinstein, Abraham J.....	Individual.....	230 Wallabout Market.....	Butter and eggs
Weisbart, Morris.....	Individual.....	165 Fort Green Place.....	Fruit and produce
Weissberger, Ignatz.....	Individual.....	1025 Washington Ave., Wallabout Market	Beef, veal, lamb, and poultry
			Fruit and general produce

LICENSED COMMISSION MERCHANTS — Continued

BUFFALO			KINDS OF PRODUCE HANDLED	
NAME	ORGANIZATION	ADDRESS		
Alder-Stofer Grain Co.....	Corporation....	619, 621 Chamber of Commerce.....	Corn, oats, wheat, rye, and barley	
Morris Altman.....	Individual.....	74, 76 West Market St.....	Fruit, produce, poultry, eggs, and butter	
Bean, Bert H.....	Individual.....	161 Michigan St.....	Fruit and produce	
Berman, Barney.....	Individual.....	94 West Market St.....	Butter, eggs, cheese, fruits, vegetables, and produce	
Boosing, Daniel.....	Individual.....	154 Michigan St.....	Butter, eggs, beans, cheese, poultry, and maple syrup	
Brennisen & Son, F.....	Individual.....	156, 158 Michigan St.....	Fruit, vegetables, butter, eggs, and poultry	
Brock, Joseph.....	Individual.....	28 Beck St.....	Fruits	
Buffalo Distributing Co.....	Partnership....	180 Perry St.....	Produce, fruit, and vegetables	
Buffalo Fruit & Prod. Co., Inc.....	Corporation....	180 Perry St.....	Fruit and produce	
Burns Grain Co.....	Corporation....	817 Chamber of Commerce.....	Corn, oats, wheat, rye, and barley	
Burrell, William W.....	Individual.....	178 Perry St.....	Fruit and farm produce	
Carpenter, Melvin.....	Individual.....	44 West Market St.....	Farm fruits and produce	
Churchill Grain & Seed Co., Inc.....	Corporation....	504 Peoples' Bank Building.....	Grain and seeds	
Collard, Charles E.....	Individual.....	333 Chamber of Commerce.....	Grain, wheat, corn, and oats	
Coward & Son, Frank P.....	Partnership....	82, 86 West Market St.....	Fruit, butter, eggs, and farm produce	
Dohn, John.....	Individual.....	46 West Market St.....	Farm products and fruit	
Doorty-Ellsworth Company, Inc.....	Corporation....	610 Chamber of Commerce.....	Grain and by-products	
Dudley, C. S.....	Individual.....	174 Perry St. and 129, 131 Michigan St.....	Fruits and vegetables	
Eastern Grain Co.....	Corporation....	602, 608 Marine Nat'l Bank Bldg.....	Grain and feed	
Eberhardt, Benjamin F.....	Individual.....	37 East Market St.....	General produce	
Eckert Brothers.....	Partnership....	41, 43 East Market St.....	Vegetables, fruits, and farm produce	
Electric Grain Elevator Co.....	Corporation....	342 Chamber of Commerce.....	Grains	
Engel, Louis.....	Individual.....	48 West Market St.....	Fruits and vegetables	
Fairmont Creamery Co.....	Corporation....	170 Michigan St.....	Fruits, produce, and dairy products	
Fox River Butter Co.....	Corporation....	58 West Market St.....	Butter, cheese, and eggs	
Gail Co., Inc., J. H.....	Corporation....	153 Michigan St.....	Fruits, vegetables, butter, and eggs	
Gleason & Lansing.....	Partnership....	150 Michigan St.....	Butter, cheese, eggs, honey, maple sugar and syrup, beans, and poultry	

Graham, Frank L.....	56 West Market St.....	Individual.....	Fruit and produce
Guthrie, Henry S.....	723 Chamber of Commerce.....	Individual.....	Grain, hay, and seeds
Harlow Brothers.....	141, 143 Michigan St.....	Partnership.....	Produce of all kinds and poultry
Harold, Arthur W.....	717 Chamber of Commerce.....	Individual.....	Grain
Heathfield & Co., Inc., W. G.....	831 Chamber of Commerce.....	Corporation.....	Grain
Hendel, Albert.....	155 Michigan St.....	Individual.....	Fruits, produce, eggs, and poultry
Hickman, Charles H.....	100 West Market St.....	Individual.....	Butter, eggs, poultry, and produce
Horn & Zimmer.....	58, 60 West Market St.....	Partnership.....	Fruits, vegetables, eggs, cheese, butter, and poultry
Hornung Sons Co., Inc., George.....	54 West Market St.....	Corporation.....	Vegetables, fruits, poultry, butter, eggs, cheese, game, hay, flour, and grain
Howe, Frank M.....	80 West Market St.....	Individual.....	Butter and eggs
Huber, Frank X.....	40 West Market St.....	Individual.....	Farm produce
Irwin, Dudley M.....	1117 Chamber of Commerce.....	Individual.....	All kinds of grain
Kendrick & Johnson.....	64, 66 West Market St.....	Partnership.....	Fruits and produce
Kennedy & Co., Inc., Chas.....	832, 837 Chamber of Commerce.....	Corporation.....	No farm produce. Wheat, corn, oats, rye, and barley from elevator and warehouse men.
Kurtz Bros.....	90 West Market St.....	Partnership.....	Fruits, vegetables, poultry, butter, eggs, and cheese
Layman, Amry E.....	100 West Market St.....	Individual.....	Farm produce
Leon Bros., Inc.....	172 Michigan St.....	Corporation.....	All products of farm, orchard, and vineyard
Lewis Grain Co., Inc.....	727 Chamber of Commerce.....	Corporation.....	Grain, grain products, and mill feed
McConnell Grain Corporation.....	329 Chamber of Commerce.....	Corporation.....	Grain and grain products
M. and S. Produce Co.....	171 Scott St.....	Partnership.....	Fruits and vegetables
National Fruit and Produce Co.....	173 Perry St.....	Partnership.....	All farm products except butter, eggs, cheese, poultry, and game
Nelson & Calnan.....	96 West Market St.....	Partnership.....	Fruits, vegetables, trees, honey, cider, poultry, eggs, and butter
North American Fruit Exchange.....	61 East Market St.....	Corporation.....	Fruit and vegetables
Pierce, George E.....	710 Chamber of Commerce.....	Individual.....	All classes of grain
Potter & Williams Co., Inc.....	144 Michigan St.....	Corporation.....	Fruits and produce
Pratt & Co.....	910 Chamber of Commerce.....	Corporation.....	Grain
Ratliffe, Stephen M.....	835 Chamber of Commerce.....	Individual.....	Grain, hay, and straw
Rea & Witzig.....	104 West Market St.....	Partnership.....	Fruit and produce
Reiner, Jacob.....	13 Chippewa Market.....	Individual.....	Hay and vegetables

LICENSED COMMISSION MERCHANTS — *Continued*

BUFFALO—Continued			KINDS OF PRODUCE HANDLED
NAME	ORGANIZATION	ADDRESS	
Rogers' Sons, B. D.....	Partnership....	102 West Market St.....	Fruit and vegetables
Rothenberg Bros.....	Partnership....	176, 178 Perry St.....	Fruit, eggs, butter, and produce
Satulloff Bros.....	Partnership....	145 Michigan St.....	Fruit, vegetables, and poultry
Sauer, Emil Adam.....	Individual.....	624 Washington St.....	General produce
Schintzius, John E.....	Individual.....	38 West Market St.....	Fruits and vegetables
Schreck, Geo. R.....	Individual.....	178, 180 Perry St.....	Fruits and vegetables
Seymour Grain Co.....	Corporation....	623, 625 Chamber of Commerce.....	Wheat, corn, oats, barley, rye, and feeds
Sheldon Produce Co., Inc.....	Corporation....	56 West Market St.....	Fruit, produce, and poultry
Snyder & Co.....	Partnership....	62 West Market St. and 125 Michigan St.....	All kinds of green and dry vegetables, butter, eggs, live and dressed poultry
Stone, Fred F.....	Individual.....	62 West Market St.....	Eggs, butter, poultry, and cheese
Swift & Co., Inc.....	Corporation....	85, 91 East Market St.....	Meat, poultry, eggs, dairy products, nuts, and honey
Townsend, Wm. C.....	Individual.....	50 West Market St.....	Fruit, vegetables, veal, and poultry
Townsend-Ward Co., The.....	Corporation....	633 Chamber of Commerce.....	Wheat, corn, oats, rye, and barley
Trautman's Sons, F. J.....	Partnership....	52 West Market St.....	Farm produce and cheese
Truesdale, W. M.....	Individual.....	135 Michigan St.....	All kinds of produce
Tuttle, Walter A.....	Partnership....	169 Scott St.....	Poultry and game
Underwood, George A.....	Individual.....	42 West Market St.....	Fruit, poultry, and general farm produce
Unger, Fred.....	Individual.....	175, 177 Perry St.....	All kinds of farm produce
Urmston-Harting Grain Co.....	Partnership....	821 Chamber of Commerce.....	Wheat, corn, oats, rye, and barley
Vishion & Co.....	Individual.....	68 West Market St.....	Butter, eggs, poultry, fruits, vegetables, and general produce
Waters, Henry D.....	Individual.....	635 Chamber of Commerce.....	Grain
Wattles & Bro., Frank E.....	Partnership....	148 Michigan St.....	Butter, eggs, cheese, poultry, maple sugar and syrup, beans, and oleo compound
Wattles & Son, G. M.....	Partnership....	152 Michigan St.....	Butter, eggs, cheese, honey, beans, and maple sugar
Wattles, Jay B.....	Individual.....	171 Perry St.....	Butter, eggs, cheese, and poultry
Wax & Sugarman.....	Partnership....	159 Michigan St.....	Eggs, butter, fruits, vegetables, and poultry

Welch & Co., Francis M.....	Individual.....	139 Michigan St.....	Fruits, vegetables, and poultry
Whitney, George R.....	Individual.....	42 West Market St.....	Butter, cheese, eggs, and poultry
Whitney & Gibson.....	Corporation.....	1009 Chamber of Commerce.....	Grain and flax
Will, William C.....	Individual.....	163 Scott St.....	Fruit, vegetables, poultry, eggs, and grapes

CARTHAGE

Phillips & Dealing.....	Partnership.....	3 Water St.....	Fruits, vegetables, maple sugar and syrup, butter, and eggs
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CEDAR HILL, ALBANY COUNTY

Winne, B. S.....	Individual.....		Hay and straw
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COHOES

Rogers & Son, Charles.....	Partnership.....	65 Canvass St.....	Butter, cheese, eggs, beans, and honey
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CORNING

Empire Produce Co.....	Corporation.....	134 West Market St.....	Farm produce
Swift & Co., Inc.....	Corporation.....	22, 24 East Tioga St.....	Meat, poultry, eggs, dairy products, nuts, and honey

CORTLAND

Davis, Frank E.....	Individual.....	11 Port Watson St.....	Fruits and vegetables
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ELMIRA

Empire Produce Co.....	Corporation.....	316, 318 Carroll St.....	Farm produce
Keeton, F. A.....	Individual.....	123 Baldwin St.....	Fruits and vegetables
Meade & Post Co., Inc.....	Corporation.....	160 Lake St.....	Fruits, vegetables, and farm products
Ferguson & Son, W. H.....	Partnership.....	231, 235 East Water St.....	All farm produce
Swift & Co., Inc.....	Corporation.....	Railroad Ave.....	Meat, poultry, eggs, dairy products, nuts, and honey

LICENSED COMMISSION MERCHANTS — *Continued*

NAME	ORGANIZATION	ESPERANCE, SCHOHARIE COUNTY		KINDS OF PRODUCE HANDLED
		ADDRESS	INDIVIDUAL	
Vunck, Sidney B.	Individual			Farm produce
EVANS MILLS				
Baumert & Co., F. X.	Partnership			Butter and cheese
FLUSHING				
Swift & Co., Inc.	Corporation	32 Broadway		Meat, poultry, eggs, dairy products, nuts, and honey
GENEVA				
Swift & Co., Inc.	Corporation	40 Middle St.		Meat, poultry, eggs, dairy products, nuts, and honey
GLENS FALLS				
Swift & Co., Inc.	Corporation	Prospect and Maple Sts.		Meat, poultry, eggs, dairy products, nuts, and honey
GLOVERSVILLE				
Sarraino Brothers	Partnership	93 West Fulton St.		Fruits and vegetables
HAVERSTRAW				
Swift & Co., Inc.	Corporation	New Main St.		Meat, poultry, eggs, dairy products, nuts, and honey
HORSELL				
Empire Produce Co.	Corporation	57 Canisteo St.		Farm produce
Swift & Co., Inc.	Corporation	Canisteo St.		Meat, poultry, eggs, dairy products, nuts, and honey

HUDSON

Finger, Chas. C.....	Individual.....	744 Warren St.....	Fruits and vegetables
Van Deusen Co., C. A.....	Corporation.....	13-23 North 7th St.....	Butter, eggs, cheese, maple sugar, maple syrup, etc.

ITHACA

Hook, Jester W.....	Individual.....	113, 115 South Tioga St.....	Fruits, vegetables, butter, and eggs
Swift & Co., Inc.....	Corporation.....	Seneca and W. Port St.....	Meat, poultry, eggs, dairy products, nuts, and honey

JAMESTOWN

Treat & Ogilvie.....	Partnership.....	208-210 Pine St.....	Fruits, farm produce, etc.
Swift & Co., Inc.....	Corporation.....	33 Institute St.....	Meat, poultry, eggs, dairy products, nuts, and honey

KINGSTON

Everett & Treadwell Co.....	Corporation.....	536 Broadway and 132 No. Front St..	Butter, eggs, maple syrup, maple sugar, honey, etc.
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LA PORTE

Lynch & Branch.....	Partnership.....		Fruits
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LINLITHGO, COLUMBIA Co.

Washburn & Co.....	Individual.....		Hay and straw
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MARLBOROUGH

Olivitt Bros., Inc.....	Corporation.....		General produce
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MIDDLETOWN

Swift & Co., Inc.....	Corporation.....	20 Henry St.....	Meat, poultry, eggs, dairy products, nuts, and honey
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LICENSED COMMISSION MERCHANTS — *Continued*

NEW ROCHELLE			KINDS OF PRODUCE HANDLED
NAME	ORGANIZATION	ADDRESS	
Swift & Co., Inc.	Corporation	131 Huguenot St.	Meat, poultry, eggs, dairy products, nuts, and honey
Rupert & Sons, C.	Corporation	NEWARK, WAYNE Co.	Hay, straw, produce, fruits, and grain
Swift & Co., Inc.	Corporation	NEWBURGH	Meat, poultry, eggs, dairy products, nuts, and honey
Abel Co., Inc., Bernard	Corporation	NEW YORK	Fruits and produce
Ablers, Carl	Individual	305 Washington St.	Butter, cheese, and eggs
Albert & Gerber	Partnership	5 Worth St.	Butter and eggs
Alexander, Robert	Individual	315 Greenwich St.	Poultry and eggs
Allen & Co., Wm. L.	Partnership	343 Washington St.	Dried fruits
Allison & Co., George	Corporation	81 North Moore St.	Fruits, vegetables, meats, poultry, nuts, butter, eggs, cheese, and farm produce
Alpaugh & Co., E. S.	Corporation	Washington & Reade Sts.	Meats, poultry, butter, and eggs
Amendola & Co., L.	Partnership	18 Bloomfield St.	Fruits and vegetables
American Cranberry Exchange	Corporation	294 Washington St.	Cranberries
Angleman, John	Individual	105 Hudson St., 188 Chambers St.	Fruit and produce
Appleget & Co., W. D.	Corporation	206 Duane St.	Poultry, calves, pork, lamb, and eggs
Archdeacon & Co.	Partnership	50-58 Thompson Ave.	All farm produce, except hay, straw, and grain
Argimbau & Ramee, Inc.	Corporation	100 Murray St.	Dried fruits, nuts, olives, grapes, and onions—all from Europe
Armstrong & Swift	Partnership	379 Washington St.	Butter, cheese, and eggs
Atlas, Harry	Individual	321 Greenwich St.	Eggs and butter
Baff & Son, B.	Partnership	314½ Greenwich St.	Live poultry
		60 Thompson Ave.	

Bahrenburg Bros. & Co., J. H.	Corporation.	103-105 Murray St.	Fruits and produce
Baldwin & Sons, William.	Partnership.	132d St. and Lincoln Ave.	Fruits, vegetables, and country produce
Balfour Brothers.	Partnership.	850, 852 Washington St.	Butter and eggs
Ballston Refrigerating Storage Co., The.	Corporation.	90 West Broadway.	Apples, potatoes, and all farm produce
Barber, S. Morgan.	Individual.	403 E. 103d St.	Butter, eggs, poultry, cheese, produce, and canned goods
Barger & Co., F. C.	Partnership.	158 Franklin St.	Butter and eggs
Bassett, J. A.	Individual.	132d St. and Willis Ave.	Fruits, vegetables, eggs, poultry, and pork
Baum, Henry Z.	Individual.	New York R. R. Terminals (10 Enos Place, Jersey City)	Hay, straw and grain
Baumert & Co., F. X.	Partnership.	177 Franklin St.	Butter and cheese
Beatty, Edward.	Individual.	Produce Exchange Bldg., 6 Broadway	Grain
Behrman & Sons, Henry.	Partnership.	257, 259 Washington St.	Butter, cheese, eggs, and poultry
Belvedere Bros.	Partnership.	400 E. 105th St.	Sweet potatoes, potatoes, tomatoes, beans, asparagus, melons, pineapples, peppers, eggs, and fruits
Bennett & Co., Inc., A.	Corporation.	103 Park Place.	Fruits and vegetables
Benowitz & Co., S.	Partnership.	356 Greenwich St.	Butter, eggs, poultry, and farm produce
Berean & Co., E. E.	Partnership.	192 Reade St.	Fruits, vegetables, eggs, poultry, and nuts
Berg, Albert.	Individual.	158th St. and Morris Ave.	Country produce
Berkowitz & Schwartz.	Partnership.	121 Warren St., 173, 175 Attorney St.	Fruit and general produce
Bernholz & Sons, J. A.	Individual.	30 Harrison St.	Eggs, poultry, butter, and cheese
Berrian & Co., Irvan L.	Partnership.	110 Warren St.	Fruits and vegetables
Berrian & Co., P. D.	Individual.	110 Warren St.	Fruits and farm produce
Betman & Son, S.	Partnership.	188 Duane St.	Butter, eggs, and poultry
Betts, James A.	Individual.	292 Washington St.	Fruits and vegetables
Beyer Bros. Commission Co.	Corporation.	182 Duane St.	Butter, eggs, cheese, and poultry
Blackburn, John M.	Individual.	276 Washington St.	Fruits and vegetables
Blick Co., The S.	Corporation.	346 Greenwich St.	Butter and eggs
Bloomington, Inc., Wm. C.	Corporation.	24 Stone St.	Hay, straw, grain, and farm produce
Blum, Max.	Individual.	142 Reade St.	Cream, butter, cheese, and eggs
Bodine & Hinrichs.	Corporation.	26-30 Lawton Ave., West Washington Market	All farm products
Boehm Co., Daniel P.	Corporation.	345-347 Washington St.	Poultry and eggs
Bogert & Greenbank.	Partnership.	Produce Exchange Bldg.	Grain

LICENSED COMMISSION MERCHANTS — *Continued*

NAME	ORGANIZATION	NEW YORK— <i>Continued</i>		KINDS OF PRODUCE HANDLED
		ADDRESS		
Robinson, Emma.....	Individual.....	53d St. and Eleventh Ave.....	Hay and straw	
Bourne & Farrand.....	Partnership.....	159 Chambers St.....	Butter, cheese, and eggs	
Brackett Co., E. R.....	Corporation.....	215 West St.....	Fruit and vegetables	
Brautigam, Henry.....	Individual.....	142 Park Place.....	Fruits, vegetables, nuts, honey, poultry, eggs, butter, and cheese	
Brazeau, F.....	Individual.....	244 Washington St.....	Nuts and dried fruits	
Breakstone Bros., Inc.....	Corporation.....	344 Greenwich St.....	Butter, cheese, cream, and eggs	
Brinker & Co., Henry.....	Partnership.....	199 West St.....	Fruits and vegetables	
Britten & Co., B. F.....	Individual.....	27 Harrison St.....	Dairy products and eggs	
Britten Co., C. M.....	Partnership.....	15 Harrison St.....	Eggs and butter	
Bronx Produce Co.....	Corporation.....	132d St. & Lincoln Ave.....	Fruits and produce	
Brooklyn Poultry Co., Inc.....	Corporation.....	66 Hewitt Ave.....	Live poultry	
Brossmann, Rudolph.....	Individual.....	24 Harrison St.....	Butter	
Brower & Co., R. L.....	Individual.....	92 Barclay St.....	Fruits, vegetables, eggs, nuts, meats, clams, and oysters	
Brown, Frederick F.....	Individual.....	307 Greenwich St.....	Cheese, butter, and eggs	
Brown, George G.....	Individual.....	57 Lawton Ave., 34, 42 Bloomfield St.....	Poultry, eggs, dressed calves, and hogs	
Brown Co., The S. S.....	Corporation.....	105 First St. and 207 East 123d St.....	Butter, cheese, eggs, and cream	
Brown & Sons, W. P.....	Partnership.....	139 Reade St.....	Butter and eggs	
Bunker, Sherman P.....	Individual.....	252 Washington St.....	Fruits and vegetables	
Burlew Co., H.....	Individual.....	119 Warren St.....	Vegetables, fruits, eggs, and poultry	
Burmeister & Co., Charles H.....	Individual.....	134 Reade St.....	Butter and eggs	
Bush, Junius C.....	Individual.....	39 Courtlandt St.....	Hay and straw	
Butler, Inc., James.....	Corporation.....	390 Washington St.....	Butter, cheese, eggs, and vegetables	
Cadenas Co., Inc., H. T.....	Corporation.....	27 William St.....	Fruits and vegetables	
Calderone, M.....	Individual.....	2012 First Ave.....	Fruits, berries, and vegetables	
Camp & Co., Wm. A.....	Individual.....	361 Washington St.....	Potatoes, onions, nuts, dried fruits, etc.	
Carnaval & Co., J.....	Individual.....	111 Warren St.....	Fruits and produce	
Carbine, Teresina.....	Individual.....	1983-1985 First Ave.....	Fruits and vegetables	
Carbine & Co., T.....	Partnership.....	120 Warren St.....	Fruits and vegetables	
Carr & Co., Isaac W.....	Partnership.....	204 Franklin St.....	Fruits, vegetables, dried fruits, and beans	
Carroll, Inc., J. Pratt.....	Corporation.....	267, 269 Washington St.....	Fruits and vegetables	

Carscallen & Cassidy.....	Corporation.....	N. Y. Produce Exchange.....	Hay, straw, and grain
Casazza & Co., L.....	Partnership.....	254 Washington St.....	Fruits and produce
Castellano, Giuseppe.....	Individual.....	97 Murray St.....	Watermelons, artichokes, and fruit
Cavagnaro, A.....	Partnership.....	234-236 Washington St.....	Fruits—mostly oranges and apples
Clark, William H.....	Individual.....	K-2 Produce Exchange.....	Hay, straw, and grain
Clark & Brown Hay Co., The.....	Corporation.....	970 Cauldwell Ave.....	Hay and straw
Cochran Co., Inc., R. E.....	Corporation.....	132 Park Place.....	Fruits and produce
Cochran & Co., Robert T.....	Partnership.....	290 Washington St.....	Fruits, vegetables, poultry, calves, game, and eggs
Cohen, Samuel.....	Individual.....	132d St. and Lincoln Ave.....	Fruits and vegetables
Cohen & Co., Wm. H.....	Individual.....	229 Washington St.....	Poultry; meats, eggs, nuts, and fruits
Colburn, Charles W.....	Individual.....	39 Little West 12th St.....	Eggs and poultry
Collins Co., Chas.....	Partnership.....	197 West St.....	Live poultry
Concord, Albert T.....	Individual.....	293 Washington St.....	Mushrooms and hot house products
Conron Brothers Co., Inc.....	Corporation.....	40 Tenth Ave.....	Meats
Corell & Co., John.....	Partnership.....	334 Washington St.....	Poultry, meats, and eggs
Couch & Co., Frank.....	Partnership.....	346 Washington St.....	Vegetables, fruits, and farm produce
Coughlin & Son, Inc., F. M.....	Corporation.....	172 Duane St.....	Butter and eggs
Courtin Co., The Arthur.....	Corporation.....	85 Front St.....	Citrus fruits
Covert Bros.....	Partnership.....	299 Washington St.....	Farm produce
Covert & Cottrell.....	Partnership.....	3001 First Ave.....	Fruits and produce
Coyne & O'Leary.....	Partnership.....	108 Murray St.....	Fruit, vegetables, butter, and eggs
Crate, John C.....	Individual.....	306 Washington St.....	Fruits and produce
Crawford, Jas. W.....	Individual.....	15 Harrison St.....	Eggs, butter, poultry, and game
Cregan & Mallory.....	Partnership.....	197 Reade St.....	Vegetables and fruits
Cregan & Meany.....	Partnership.....	197 Reade St.....	Vegetables and fruits
Crego & Son, Russel.....	Individual.....	167 Chambers St.....	Butter, cheese, and eggs
Crossley & Sons, Inc., D.....	Corporation.....	204 Franklin St.....	Vegetables and fruits
Cunco Bros.....	Individual.....	230 Washington St.....	Fruits and nuts
Cunningham Bros.....	Partnership.....	104 Barclay St.....	Meats
Curran Robertson Co.....	Partnership.....	178 Chambers St.....	Fruits and vegetables
Curtis, R. C.....	Partnership.....	189 Reade St.....	Fruits and vegetables
Cutler, George F.....	Partnership.....	22 Harrison St.....	Eggs and butter
Dare & Co., E. H.....	Individual.....	2 Broadway.....	Wheat, corn, barley, oats, etc
Davenport, W. J. & S. H.....	Partnership.....	130 Park Place.....	Fruits and general produce
Davey, Andrew.....	Individual.....	350-354 Greenwich St.....	Butter and eggs

LICENSED COMMISSION MERCHANTS — *Continued*

NAME	ORGANIZATION	NEW YORK— <i>Continued</i>		KINDS OF PRODUCE HANDLED
		ADDRESS		
Davidson & Co., W. M.	Individual	106 Murray St.		Fruit and vegetables
Davis, W. O. & H. W.	Corporation	100 Barclay St.		Fruits and vegetables
Dean & Co.	Corporation	200 West 34th St.		Hay, grain, and potatoes
Dennis & Herring	Corporation	49-55 Thompson Ave., West Washington Market.		Hogs, dressed calves and pigs, live and dressed poultry. All country produce
Dennis, Kimball & Pope, Inc.	Corporation	202 Franklin St.		Fruits and produce
De Noyelles & Co., S.	Partnership	34, 36 Hewitt Ave., West Washington Market		Poultry, eggs, butter, calves, and lambs
Descalzi Bros. Co.	Partnership	238 Washington St.		Fruits and produce
Deutsch & Tauber Bros.	Partnership	326 Greenwich St.		Butter, eggs, and poultry
De Winter & Stewart, Inc.	Corporation	321 Washington St.		Poultry
Deyo & Bro., W. C.	Partnership	859, 861 Washington St.		Fruits, produce, butter, eggs, and poultry
Dillenbeck, E. A.	Individual	601 West 33d St.		Hay, straw, grain, and farm produce
Dingfelder, C. I. & M.	Partnership	253 Washington St.		Farm produce
Dixon & Co., Inc., R.	Corporation	202, 204 Franklin St.		Fruits, vegetables, nuts, and honey
Dixon & Son, R. W.	Partnership	266 Washington St.		Fruits, vegetables, eggs, poultry, veal, and hogs
Doolittle & Son, William	Partnership	26 Harrison St.		Butter, cheese, and eggs
Doran, Joseph A.	Individual	132d St. and Lincoln Ave.		Fruits and vegetables
Doseber & Co., John	Partnership	133 Reade St.		Butter, cheese, and eggs
Douglas & Co., W. S.	Individual	191 Duane St.		Butter, cheese, and eggs
Droste & Snyder	Corporation	177, 179 Duane St.		Butter and eggs
Dulany & Tull	Partnership	41-45 Hewitt Ave., West Washington Market.		Poultry and game
Duncan & Co., W. J.	Individual	251 Washington St.		Fruits and general produce
Durham & Sons, N.	Partnership	313 Washington St.		Poultry, veal, squabs, and eggs
Dusenberry, Edwin B.	Individual	601 West 33d St.		Hay and straw
Dusenberry & Co.	Partnership	90 West St.		Hay, straw, and farm products
Ebert & Sons, Inc., Lewis	Corporation	151 Reade St.		Butter, cheese and eggs
Egan, Fickett & Co., Inc.	Corporation	54 Harrison St.		Fruits, vegetables, dressed poultry, and dressed veal

Egbert & Case.....	Corporation.....	11 Jay St.....	Butter and eggs
Ehlers, John F.....	Individual.....	866 Washington St.....	Fruit and vegetables
Electric Grain Elevator Co.....	Corporation.....	Produce Exchange.....	Grains
Ellis, Wm.....	Individual.....	51 Little West 12th St.....	Fruits, eggs and produce
Elzea, William W.....	Individual.....	327, 329 Washington St.....	Butter, eggs, cheese, poultry, nuts, and hides
Empire Produce & Export Co....	Corporation.....	282 Washington St.....	Produce in general
Enyard & Godley, Inc.....	Corporation.....	171 Duane St.....	Butter and eggs
Everitt Co., J. N.....	Corporation.....	326 Washington St.....	Dressed and live poultry, dressed veal, fruit, and vegetables
Farley, Oliver A.....	Individual.....	9, 15 Hewitt Ave.....	Poultry, game, calves, and pork
Farmers' Commission House, Inc.	Corporation.....	27 Harrison St.....	Poultry, calves, pigs, etc.
Farrell Co., W. J.....	Corporation.....	325 Washington St.....	Dressed poultry and eggs
Fay, Inc., John H.....	Corporation.....	324 Washington St.....	Fruit and general produce
Ficken & Zinn.....	Partnership.....	331 Greenwich St.....	Butter, eggs, and cheese
Field, Inc., Albert C.....	Corporation.....	C-22 Produce Exchange and 9 Stone St.....	Wheat, corn, oats, and barley
Fish, Geo. F.....	Individual.....	183 Reade St., 410 West 14th St.....	Celery and lettuce
Fish & Co., S.....	Partnership.....	260 Washington St.....	Fruit and vegetables
Fisher, Alex. F.....	Individual.....	601 West 33d St.....	Hay and straw
Fisher & Overocker.....	Partnership.....	601 West 33d St.....	Hay and straw
Fitch, Cornell & Co.....	Corporation.....	16, 18 Jay St.....	Butter and eggs
Fleck & Hillman, Inc.....	Corporation.....	49 Loew Ave., West Washington Market.....	Live poultry
Florida Produce Co.....	Individual.....	93 Park Place.....	Apples, peaches, pears, strawberries, oranges, grapefruit, cucumbers, lettuce, potatoes, beans, and peas
Fleischl & Son, Emil.....	Partnership.....	514 Westchester Ave.....	Eggs, butter, cheese, and lard
Florida Brokerage Co.....	Partnership.....	97-101 Warren St.....	Pineapples, tomatoes, cucumbers, celery, and lettuce
Forbell & Co., L. W.....	Partnership.....	6 Broadway, Produce Exchange Bldg.....	Grain
Fortgang Brothers.....	Partnership.....	356 Greenwich St.....	Butter and eggs
Fox River Butter Co.....	Corporation.....	78 Hudson St.....	Butter, eggs, and cheese
Frank & Co., Jno. H.....	Partnership.....	239 Washington St.....	Fruit and vegetables

LICENSED COMMISSION MERCHANTS—Continued

NAME	ORGANIZATION	NEW YORK—Continued		KINDS OF PRODUCE HANDLED
		ADDRESS	MARKET	
Frankel, Inc., Sol.	Corporation.	50-56 Loew Ave., W. Washington	Market	Live poultry
Franklin Feed Stores.	Corporation.	83 North Moore St.		Hay, straw, and grain
Frommel & Bro., Oscar.	Corporation.	Manhattan Market.		Fruit and vegetables
Frost, S. H. & E. H.	Corporation.	319 Washington St.		Fruits and vegetables
Frost & McNab.	Partnership.	42 Harrison St.		Fruits and vegetables
Fuller & Co., N. A.	Individual	110 West 34th St.		Hay and straw
Furman & Co., G.	Corporation.	1-3 W. Washington Market.		Fruits, vegetables, eggs, poultry, and general produce
Furnan & Page, Inc.	Corporation.	112 Warren St.		Fruit and general produce
Gallagher's Sons, James.	Partnership.	171 West St.		Fruits and vegetables
Gallup, Bernard.	Individual	601 West 33d St.		Hay, straw, fruit, and general produce
Gamble & Co., William.	Corporation.	292 Washington St.		Fruits and vegetables
Gargiulo, Frank.	Individual	314 Washington St.		Fruit and vegetables
Gargiulo & Bro., P.	Individual	282 Washington St.		Produce
Garrett, Charles C.	Individual	12 Harrison St.		Butter, eggs, and cheese
Gere Co., The Harry G.	Corporation.	C-5 Produce Exchange.		Hay, straw, grain, and vegetables
Gilliam Co., John.	Corporation.	105 Hudson St.		Canned and dried fruits, vegetables, nuts, beans, peas, and honey
Giniger & Co.	Partnership.	140 Reade St.		Butter and eggs
Godfrey, David P.	Individual	118 Warren St.		Fruits and vegetables
Golden Co., John F.	Individual	130 Front St.		Fruits
Granite & Co., John.	Partnership.	2042 First Ave.		Fruits and produce
Greater New York Produce Co.	Corporation.	105 Hudson St.		Potatoes, apples, cabbage, onions, southern fruits, and produce
Greco, Salvatore.	Individual	2052 First Ave.		Fruits and farm produce
Greenberg, Bernard.	Individual	827 East 161 St.		Butter, eggs, fruits, and vegetables
Greenspan & Brenner.	Partnership.	192 Duane St.		Butter and eggs
Griffin & Co., Thomas D.	Individual	292 Washington St.		Fruits and vegetables
Grimm & Co., Henry H.	Individual	93 Park Place.		Fruits and produce
Gude Brothers, Kieffer Co.	Corporation.	21 Jay St.		Butter, eggs, and cheese

Gulick, Frank.....	Individual.....	Corner Hewitt and Lawton Aves., West Washington Market.....	Poultry
Hait & McNicholas.....	Partnership.....	843 Washington St.....	Fruits and vegetables
Hall, Michael C.....	Individual.....	98 Park Place.....	Apples, pears, potatoes, and onions
Hamburger Co., The J.....	Partnership.....	204 Washington St.....	Fruits and vegetables
Hammond & Co., G. P.....	Individual.....	40 Little West 12th St.....	Fruit, vegetables, eggs, mushrooms, and hot-house products
Hance Brothers Co.....	Corporation.....	32 Bloomfield St.....	Poultry, calves, pork, lambs, nuts, furs, and skins
Hanford, Warren D.....	Individual.....	105 Hudson St.....	Butter and eggs
Hanson, Horace B.....	Individual.....	180 Reade St.....	Fruits and vegetables
Harlem Valley Fruit & Produce Association, Inc.....	Corporation.....	132d St. and Lincoln Ave.....	Fruits, vegetables, and general produce
Hart, William H.....	Individual.....	534 Westchester Ave.....	Apples and oranges
Hawk & Son Co., Inc., G. Z.....	Corporation.....	34-40 Loew Ave., West Washington Market.....	Live poultry
Heard, Alexander D.....	Individual.....	95 Park Place.....	Fruits and produce
Heilman, Harry.....	Individual.....	518 Westchester Ave.....	Beef, calves, and poultry
Heller & Co., H.....	Individual.....	303 Washington St.....	General produce
Hellman, Louis.....	Individual.....	132d St. and Lincoln Ave., Bronx Produce House.....	Fruits and vegetables
Herring & Co., Inc., C. M.....	Corporation.....	23, 25, 27 Thompson Ave.....	Calves, poultry, and eggs
Heuser & Vreeland.....	Partnership.....	207 Duane St.....	Fruit, vegetables, eggs, calves, and poultry
Hewitt, Fay D.....	Individual.....	120 Liberty St.....	Hay and straw—carloads only
Hinrichs & Co., Inc., George F..	Corporation.....	33 Hewitt Ave.....	Vegetables, fruits, meats, poultry, eggs, nuts, dairy products, and honey
Hirsh & Lowenstein.....	Individual.....	176 Chambers St.....	Dried fruits, honey, wax, tallow, maple sugar, maple syrup, roots, and herbs
Hirschberg & Co., L.....	Partnership.....	337 Washington St.....	Fruits and vegetables
Hoehn, Jacob.....	Individual.....	295 Washington St.....	Dressed poultry, eggs, and veal
Hoffstatter & Son Produce Co., W. S.....	Corporation.....	358 Greenwich St.....	Butter, eggs, cheese, and poultry
Honig & Klein.....	Partnership.....	22 Harrison St.....	Butter, eggs, and cheese
Honigsberg & Co., A.....	Partnership.....	300 Greenwich St.....	Butter and eggs
Hofaling, Henry S.....	Individual.....	601 West 33d St.....	Hay and straw

LICENSED COMMISSION MERCHANTS — *Continued*

NAME	ORGANIZATION	New York—Continued		KINDS OF PRODUCE HANDLED
		ADDRESS		
Hovey, Charles B.	Individual	33-37 Thompson Ave., West Washington Market.		Live and dressed poultry, pigs, calves, fruit, and eggs
Howell Co., E. C.	Individual	250 Washington St.		Celery and general produce
Huffman & Co., Theo. P.	Individual	648 West 34th St.		Hay, straw and grain
Hunter, Henry L.	Individual	132d St. and Lincoln Ave.		Fruit, vegetables, and general produce
Hunter, Walton & Co.	Partnership	164, 166 Chambers St.		Butter, cheese, and eggs
Huser & Brother, John C.	Partnership	190 Duane St.		Butter, eggs, and cheese
Hutcheson & Co., Inc., W. A.	Corporation	78 Wall St.		Pineapples, peaches, alligator pears, potatoes, onions, etc
Hutchinson & Co., J. W.	Individual	315 Washington St.		Fruits and vegetables
Imperato Brothers.	Partnership	2019 First Ave.		Fruits and vegetables
Israel Bros. Co., Inc., Charles.	Corporation	486 Canal St.		Honey, beeswax, maple sugar and syrup
Jacobs Brothers.	Partnership	39-43 Loew Ave., 65, 67 Hewitt Ave.		Live poultry
Janicke Co., The L.	Individual	282 Washington St.		Fruits, vegetables, and produce
Jelliffe, Wright & Co.	Individual	284 Washington St.		General produce
Jenkins & Co., H. B.	Partnership	601 West 33d St.		Hay and straw
Jewell Brothers, Inc.	Corporation	25-31 Loew Ave.		Meats, eggs, poultry, and game.
Jewell, Koenig & Co., Inc.	Corporation	56-64 Loew Ave.		Live poultry
Johnson & Son, Martin	Individual	280 Washington St.		Fruit, vegetables, eggs, meats, and poultry
Johnson & Co., T. W.	Partnership	325 Washington St.		Dressed poultry, eggs, and produce
Jones, G. D.	Individual	99 Warren St.		General fruit and produce
Joseph & Son, Hugo.	Partnership	178, 180 Chambers St., and West Washington Market.		Poultry, game, and eggs
Judd, George W.	Individual	278 Washington St.		Fruits, poultry, and dressed calves
Kadans, Louis.	Individual	306 Greenwich St.		Butter, eggs, cream, cheese, and poultry
Kassel, David C.	Individual	21 13th Ave.		Poultry and eggs
Kelly & Power.	Individual	231 Washington St.		Farm produce
Kennard & Co., A. A.	Corporation	339-343 Greenwich St.		Butter, eggs, and cheese
Keusch & Schwartz Co., Inc.	Corporation	C-1-2-3 Produce Exchange.		Grain and feed
Killough & Co., J. H.	Partnership	157, 158 West St.		Fruits, vegetables, and farm produce
Kimball, C. H. & C. W.	Partnership	202 Franklin St.		Fruits and vegetables

Kirk, Joseph B.....	Individual.....	871, 873 Washington St.....	Vegetables and fruits
Klein, Jacob M.....	Individual.....	311 Washington St.....	Poultry and eggs
Klenhans, Edgar.....	Individual.....	601 West 26th St.....	Fruits and vegetables
Knapp Bros. & Co.....	Individual.....	106 Murray St.....	Fruits and vegetables
Knight & McDougal.....	Partnership.....	219 Produce Exchange.....	Wheat, corn, oats, barley, and rye
Koenig and Company.....	Partnership.....	56-64 Loew Ave., W. Washington Market.....	Live poultry
Kossar and Co., Inc.....	Corporation.....	37 Loew Ave., W. Washington Market.....	Live poultry
Krakaur Poultry Co., Inc.....	Corporation.....	23 13th Ave.....	Live poultry, rabbits, guinea pigs, squabs, and pigeons
Krenrich Commission Co., Joe. H. Krone Brothers.....	Corporation.....	8 Harrison St.....	Butter, eggs, cheese, and canned goods
Kronman & Co., Inc., Nathan Kunz, Marsh & Pendleton, Inc., Kurtin & Kurtin.....	Partnership.....	89 Murray St.....	Fruit
Kurtin & Safran.....	Partnership.....	349-55 Washington St.....	Fruits, poultry, and produce
Lambly & Alpaugh.....	Partnership.....	170 Reade St.....	Fruits and vegetables
Lamia, Patrick.....	Partnership.....	305 Greenwich St.....	Butter and eggs
Lang & Co., L. H. Lasher & Bro., J. K. Lauro & Bro., A. Lawless' Sons, P. Leigh and Everitt.....	Partnership.....	162 Reade St.....	Butter and eggs
Lemkau, August J. Leverage & Bethards.....	Partnership.....	18 Harrison St.....	Butter and eggs
Lewis & Sons, George H.....	Partnership.....	99 Warren St.....	Fruits and vegetables
Linders & Co.....	Partnership.....	202 Franklin St.....	Fruits, vegetables, and eggs
Lippmann & Co. Gustave.....	Individual.....	524-526 Westchester Ave.....	Calves, live poultry, and eggs
Lippmann, J. & G.....	Corporation.....	11 Harrison St.....	Butter and eggs
Lippmann, Jacob.....	Individual.....	836 Washington St.....	Fruits, vegetables, eggs, and poultry
Lippman, Maurice A.....	Partnership.....	53, 55 Little West 12th St.....	Fruits, vegetables, poultry, and eggs
Liscomb & Co., Wm. H.....	Partnership.....	297 Washington St.....	Poultry, eggs, calves, pork, and general produce
		312 Washington St.....	Fruits and produce
		315 Washington St.....	Farm produce
		43-49 Grace Ave., W. Washington Market.....	Country produce
		288 Washington St.....	Fruits, vegetables, poultry, nuts, meats, and eggs
		161 West St.....	Fruits and vegetables
		338 Washington St.....	Eggs, butter, farm produce, and fruits
		268 Washington St.....	Fruits and produce
		258½ Washington St.....	Farm produce
		124-126 Park Place.....	Fruits and vegetables

LICENSED COMMISSION MERCHANTS — *Continued*New York—*Continued*

NAME	ORGANIZATION	ADDRESS	KINDS OF PRODUCE HANDLED
Live Poultry Auction Co., Inc.	Corporation....	425 West 14th St.	Live poultry, eggs, butter, and dressed poultry
Loblein & Co., Geo.	Individual	172 Reade St.	Domestic fruits and vegetables
Loblein & Son, Inc., Thos. F.	Corporation....	297 Washington St.	Fruits and vegetables
Lockwood, Clifford C.	Individual	344 Washington St.	Fruits and vegetables
Loewenthal, I.	Individual	187 Reade St.	Fruits and farm products
Long Dock Mills.	Corporation....	135th St. and Mott Haven Ave.	Hay, straw, grain, and farm produce
Long Inc., James.	Corporation....	118 Warren St.	Country produce, fruits, vegetables, etc.
Long & Bro., Inc., S. S.	Partnership....	102-106 Warren St.	Butter, eggs, and cheese
Loomis & Co., E. P.	Partnership....	119-121 Barclay St.	Domestic and foreign fruits and produce
Lorelli, Salvatore.	Individual	72 Gansevoort St.	Fruits and vegetables
Lowenfels & Son, Frederick F.	Partnership....	348 Greenwich St.	Butter, cheese, and eggs
Lunn's Sons, W. B.	Partnership....	304 Greenwich St.	Butter, cheese, and eggs
Lynch & Branch.	Partnership....	108 Murray St.	Fruits ..
Lyons & Sons, Edward.	Partnership....	408 11th Ave., Manhattan Market.	Farm produce, apples, and vegetables
McAllen & Nuttall.	Partnership....	601 West 33d St.	Hay, straw, and grain
McArdle, Harry J., Inc.	Corporation....	132d St. and Lincoln Ave. and 158th St. and Morris Ave.	Potatoes, onions, cabbage, turnips, apples, etc.
McCarren, Jr., Hugh.	Individual	163 West St.	General country produce
McClees, Peter.	Individual	300 Washington St.	Vegetables, fruits, and hot house produce
McCormick Hubbs & Co.	Corporation....	279 Washington St.	West Indian and Florida fruits and produce
McElwee, Daniel B.	Individual	158th St. and Morris Ave.	duce
Males, George S.	Individual	306 Greenwich St.	Farm produce
Mandeker, Philip.	Individual	39 Harrison St.	Eggs and butter
Mangan-Betz Co.	Partnership....	132d St. and Lincoln Ave.	Butter, eggs, and poultry
Maniscalco, Paul.	Individual	204 Franklin St.	Vegetables and apples
Manniello Bros. & Marysohn.	Partnership....	185 Reade St.	Fruits, potatoes, and all produce
Marmor & Son, B.	Partnership....	648-650 Jackson Ave.	Fruits, vegetables, eggs, and raw furs
Martin, Andrew C.	Individual	282 Washington St.	Butter, eggs, and cheese
Martin & Bro., G. W.	Partnership....	3-5 Harrison St.	Vegetables and apples
			Butter, eggs, and cheese

Maxfield Fruit Co., Ltd.....	202, 204 Franklin St.....	Fruits
Maye, James.....	304 Washington St.....	All farm produce and fruits
Mayer, David.....	529 West St., 42-48 Grace Ave.....	Meats and poultry
Mayer & Son, Max.....	333 Washington St.....	Poultry and eggs
Maynard & Child.....	202 Franklin St.....	Apples and pears
Maynard & Son, F. S.....	218 Washington St.....	Fruits, vegetables, and produce
Meany & Saiselin, Inc.....	193 Reade St.....	Onions, lettuce, celery, carrots, apples, potatoes, and fruits
Mecabe & Son, Chas. P.....	17 Jay St.....	Butter, cheese, and eggs
Mehler, Aron.....	356 Greenwich St.....	Farm products, poultry, eggs, and butter
Mehrtens, Henry.....	338 East 102d St.....	Fruits, vegetables, and eggs
Meloney Co., J. W.....	36 Harrison St.....	Butter, eggs, live and dressed poultry, and calves
Menke & Fechtman, Inc.....	25-29 Lawton Ave.....	Live and dressed poultry, calves, pork, eggs, etc.
Mersel, Alexander.....	158 Reade St.....	Butter and eggs
Meyer & Co., A. E.....	134, 136 Park Place.....	Vegetables
Miles & Co., H. G.....	315 Washington St.....	Fruits, vegetables, eggs, poultry, and general produce
Miller & Son, L. B.....	145 Reade St.....	Butter, cheese, and eggs
Miller & Bertholf.....	33d St. and 11th Ave.....	Hay, straw, and grain
Miller & Cummings Co., Inc.....	330 Washington St.....	Fruits and produce
Monfort & Houck.....	95 Murray St.....	Fruits
Moses & Sons, A. H.....	256 Washington St.....	Fruits and vegetables
Mottus Bros.....	25 13th Ave.....	Live poultry
Moverson & Son, W. H.....	38-48 Lawton Ave., West Washington Market.....	Country produce
Mulligan, Michael J.....	835½ Washington St.....	Vegetables and fruits
Murray, John E.....	136 Liberty St.....	Hay and straw
Mutual Service Corporation.....	140 Cedar St.....	Fruits and vegetables
Nagle, Samuel.....	West Washington Market.....	Dressed calves, hogs, poultry, lambs, and sheep
Napoli & Co., D. J.....	18 Bronx House.....	Farm produce
New York Independent Meat Co.	12th Ave. and 131st St.....	Meat
Narzisenfeld, J.....	24 Harrison St.....	Butter, eggs, and cheese
Natale & Frank.....	250 Washington St.....	Fruits and produce

LICENSED COMMISSION MERCHANTS — *Continued*New York—*Continued*

Nathan Brothers.....	Partnership.....	74 Hudson St.....	Butter and eggs
Nengeboren & Sons, J.....	Partnership.....	19-21 Harrison St.....	Dairy products, poultry, and eggs
N. Y. & N. J. Produce Co., Inc..	Corporation.....	26th St. and 11th Ave.....	Vegetables and apples
Nichols Bros.....	Individual.....	136 Reade St.....	Butter, eggs, and cheese
Nix & Co., John.....	Corporation.....	231 Washington St.....	Fruits and vegetables
Norris, James N.....	Individual.....	58 Bloomfield St.....	Live poultry and eggs
North American Fruit Exchange	Corporation.....	90 West St.....	Fruits and vegetables
Oliver & Co., George.....	Individual.....	32-36 Lawton Ave., W. Washington Market, 28-32 Hewitt Ave.....	Meats, nuts, poultry, fruits, and vegetables
Olivit Bros., Inc.....	Corporation.....	335 Washington St.....	General produce
Oppenheim, Joseph.....	Individual.....	312 Greenwich St.....	Butter and eggs
Otis & Co., B. W.....	Partnership.....	139 Reade St.....	Meats, dried beans, and peas
Overocker, Inc., William J.....	Corporation.....	601 West 33d St.....	Hay and straw
Paghlughl Bros.	Partnership.....	323 Washington St.....	Vegetables, fruits, butter, eggs, and coun- try produce
Palmer, Enos C.....	Individual.....	106 Murray St.....	Fruits and vegetables
Pape & Co., Charles.....	Individual.....	164, 165 West St.....	Fruits and vegetables
Pape & Co., Henry.....	Individual.....	138 Park Place.....	Fruits and produce
Park & Co., T. F.....	Partnership.....	192 Reade St.....	All produce
Park & Allison, Inc.....	Corporation.....	344 Washington St.....	Fruits and vegetables
Parker, Phillips Co.....	Corporation.....	204 Franklin St.....	Vegetables and farm produce
Paul, Jr. & Co., Inc., A.....	Corporation.....	50 Grace Ave.....	Meats
Peck & Co., R. H.....	Individual.....	26 Harrison St.....	Butter, cheese, and eggs
Perrine, I. H.....	Individual.....	56-60 Hewitt Ave., W. Washington Market.....	Fruits, vegetables, meats, and eggs
Pfeiffer, John W.....	Individual.....	108 Warren St.....	General fruits and produce
Phenix Cheese Co.....	Corporation.....	345, 347 Greenwich St.....	Dairy products and eggs
Phillips & Sons, Inc.....	Corporation.....	277 Washington St.....	Fruits, vegetables, poultry, and meats
Pinney & Geddes.....	Partnership.....	201 West St.....	Butter and eggs
Pirung & Co., John.....	Corporation.....	324 Washington St.....	Fruits and vegetables
Pitt, Barnum & Co.....	Partnership.....	77 Hudson St.....	Dairy products and eggs
Pond Co., Inc., H. T.....	Corporation.....	341 Washington St.....	Dressed poultry, eggs, and butter
Porter & Co., R. S.....	Partnership.....	34-36 North Moore St.....	Dried beans and peas

Porto Rico Fruit Exchange.....	Corporation.....	202 Franklin St.....	Tropical fruits, cocoanuts, oranges, pine-apples, and grapefruit
Power & Co., W. D.....	Partnership.....	601 West 33d St.....	Hay, straw, and potatoes
Pratt, S. T.....	Partnership.....	20 Harrison St.....	Butter, cheese, and eggs
Pratt, Kime & Pratz.....	Partnership.....	136 Liberty St.....	Hay, grain, beans, apples, and farm produce
Pressner Brothers.....	Partnership.....	30 Jay St.....	Butter and eggs
Puccio, Nicholas.....	Individual.....	2011 First Ave.....	Fruits and vegetables
Quick Co., John C.....	Partnership.....	34 Jay St.....	Dressed poultry, butter, eggs, and general produce
Rae & Hatfield, Inc.....	Corporation.....	317 Washington St.....	Fruits and produce
Ramey, Charles C.....	Individual.....	431 Produce Exchange.....	Hay, straw, grain, and feed
Read & Garrison.....	Partnership.....	332 Washington St.....	Dressed poultry and eggs
Reinhardt, George N.....	Individual.....	943 Brook Ave.....	Hay, straw, and oats
Retting, John G.....	Individual.....	286 Washington St.....	Fruits and vegetables
Rickerson, Howard S.....	Individual.....	96 Warren St.....	Hay and grain
Riddick & Co., Judkins J.....	Partnership.....	348 Washington St.....	Fruits and vegetables
Rittenhouse & Co., Geo. M.....	Partnership.....	23-25 Jay St.....	Butter and eggs
Rittenburg & Co., G. H.....	Corporation.....	168 Reade St.....	Fruits and vegetables
Roberts Co., J. H.....	Individual.....	270 Washington St.....	Fruits and vegetables
Roberts, Joseph Y.....	Individual.....	601 West 33d St.....	Hay and straw
Roberts & Co., Thos. J.....	Partnership.....	181 Reade St.....	Fruits, vegetables, and eggs
Rosenbaum & Co., John A.....	Partnership.....	318 Washington St.....	Butter, eggs, and cheese
Rosenfeld Co., S.....	Corporation.....	197 Duane St.....	Butter, eggs, and poultry
Roth & Co., M.....	Partnership.....	185 Duane St.....	Butter and eggs
Rottenberg, Samuel.....	Individual.....	183 Duane St.....	Butter and eggs
Rowe, B. W.....	Individual.....	305 Washington St.....	Fruits, vegetables, poultry, eggs, and calves
Rubenstein & London.....	Partnership.....	314 Greenwich St.....	Butter, eggs, and live poultry
Ruhlman & Co., P.....	Partnership.....	261 Washington St.....	Fruits
Ryer's Sons, David G.....	Individual.....	117 Warren St.....	Fruits and vegetables
Saal Bros.....	Partnership.....	323 Greenwich St.....	Butter, eggs, cheese, and poultry
Saisselin, Alfred A.....	Individual.....	114 Warren St.....	Onions, potatoes, lettuce, celery, and carrots
Saitta & Jones.....	Partnership.....	202, 204 Franklin St.....	Vegetables and fruits
Sandler Bros.....	Partnership.....	111 Warren St.....	Fruits and produce

LICENSED COMMISSION MERCHANTS — *Continued*NEW YORK—*Continued*

NAME	ORGANIZATION	ADDRESS	KINDS OF PRODUCE HANDLED
Sauer & Co., Joseph P.	Individual	293 Washington St.	Fruits and vegetables
Saxton & Co., W. O.	Individual	174 Duane St.	Butter and eggs
Scarborough, Adams & Co.	Partnership	13 Harrison St.	Butter and eggs
Scheurer & Son, Inc., Louis	Corporation	156 Reade St.	Butter and eggs
Schneider & Co., J. H.	Corporation	286 Washington St.	Fruits and vegetables
Scholl & Bro., John	Partnership	147 Reade St.	Butter, eggs, and cheese
Schwab, Louis J.	Individual	51-63 Grace Ave., W. Washington Market	Live poultry
Schweitzer, Nathan	Partnership	291 Washington St.	Poultry
Switters & Sons, H. E.	Partnership	867 Washington St.	Fruits and vegetables
Seaman & Co., Lloyd J.	Partnership	148 Reade St.	Butter, eggs, and cheese
Sekel & Kiernan	Partnership	361 Greenwich St.	Eggs
Seward-Welldniger Co.	Individual	43 Little West 12th St.	General products
Seymour, Egbert	Individual	176 Chambers St.	Butter, cheese, eggs, maple syrup, and sugar
Sgobel & Day	Corporation	204 Franklin St.	Fruits and vegetables
Shimer & Co., R. B.	Corporation	336 Washington St.	Eggs and butter
Shorr, Adolph	Individual	153 Reade St.	Butter, eggs, cheese, poultry, and farm produce
Shute Co., J. C.	Corporation	231 Washington St.	Fruits
Sickles, Omar	Individual	337 Washington St.	Fruits and vegetables
Simons, Lewis S.	Individual	287 Washington St.	Fruits and vegetables
Simons, Shuttleworth & French Co., Inc.	Corporation	204 Franklin St.	Fruits
Simpson, Mary	Individual	47 Little West 12th St.	Fruit
Sladkus & Bro., Chas. M.	Partnership	194 Duane St.	Butter, eggs, and poultry
Smith & Co., Alonzo M.	Individual	114 Warren St.	Apples, pears, berries, and tomatoes
Smith & Holden	Individual	307, 309 Washington St.	Fruits, nuts, and vegetables
Smith & Co., C. V.	Partnership	340 Washington St.	Fruits and farm produce
Snackenberg, Lewis Oliver	Individual	98 Murray St.	Fruits, vegetables, poultry, dressed calves, and hogs
Spada & Co., Andrew	Partnership	204 Franklin St.	Fruits and vegetables

Spoller Brothers.....	Partnership.....	134 Columbia St.....	Butter, eggs, and poultry
Steers and Menke.....	Corporation.....	20-24 Lawton Ave.....	Eggs, meat, and poultry
Stefano & Co., F. D.....	Partnership.....	196 West St.....	Fruits, vegetables, and farm produce
Steinhardt & Kelly.....	Partnership.....	101 Park Place.....	Apples
Stern, Joseph.....	Individual.....	175 Chambers St.....	Butter, eggs, and poultry
Stevens, Joseph H.....	Individual.....	282 Washington St.....	Fruits and vegetables
Stevens & Simpson Co.....	Individual.....	262 Washington St.....	Fruits and produce
Story & Co., W. H.....	Partnership.....	213 Produce Exchange.....	Grain, meal, and cottonseed oil
Stout & Drost.....	Partnership.....	140 Park Place.....	Fruits and vegetables
Stout Co., H. E.....	Corporation.....	317 Washington St.....	Dressed poultry and eggs
Stout & Co., J. D.....	Corporation.....	19 Jay St.....	Butter, cheese, eggs, beans, and produce
Sulzberger & Sons Co. of America, The.....	Corporation.....	New York City.....	Vegetables, fruit, butter, cheese, eggs, poultry, calves, meat, and produce
Sulkan, Joseph.....	Individual.....	140 Reade St.....	Butter and eggs
Swift & Co., Inc.....	Corporation.....	32 Tenth Ave.....	Meats, poultry, eggs, dairy products, nuts, and honey
Tancer Bros.....	Partnership.....	154 Reade St.....	Butter, eggs, poultry, and produce
Tappen, Frank M.....	Individual.....	117 Warren St.....	Vegetables and fruits
Thompson, Conklin & Co.....	Partnership.....	100 Hudson St.....	Beans, dried fruits, and canned goods
Thurston Fruit Co., Inc.....	Corporation.....	204 Franklin St.....	California and Northwestern deciduous fruit, apples, and citrus fruit; Cuba, Porto Rican and Florida citrus fruits
Titus Bros.....	Individual.....	154 West St.....	Fruits and vegetables
Toadvine Co., S. A.....	Individual.....	192 Reade St.....	Fruits and vegetables
Tozzi, James.....	Individual.....	192 Reade St.....	Fruits and farm produce
Trachtenberg, George.....	Individual.....	360 Greenwich St.....	Butter and eggs
Trelease & Underhill.....	Partnership.....	330 Greenwich St.....	Butter, eggs, and poultry
Troiano, Antonio.....	Individual.....	295 Washington St.....	Fruits and vegetables
Troiano, Giovanni.....	Individual.....	218 Duane St.....	Fruits and vegetables
Trombetta Co., The Joseph A.....	Corporation.....	204 Franklin St.....	Fruits and vegetables
Trombetta, M.....	Individual.....	2000 First Ave.....	Fruits and vegetables
Tull & Co., Inc., George W.....	Corporation.....	166 West St.....	Domestic fruits, vegetables, and produce
Turner, Alfred.....	Individual.....	158th St. & Morris Ave.....	Farm produce
Tygett, Roscoe C.....	Individual.....	601 W. 33d St.....	Hay, grain, and straw
Ulrich, Adam.....	Individual.....	20 Gansevoort St.....	Butter, eggs, and cheese

LICENSED COMMISSION MERCHANTS — *Continued*

NEW YORK— <i>Continued</i>			KINDS OF PRODUCE HANDLED	
NAME	ORGANIZATION	ADDRESS		
Utter, Eugene.....	Individual.....	120 Warren St.....	Fruits and vegetables	
Valentine Produce Co.....	Corporation.....	292 Washington St.....	Fruits and vegetables	
Van Derlyn, Oscar A.....	Individual.....	293 Washington St.....	Vegetables and fruits	
Van Dyk & Lindsay, Inc.....	Corporation.....	236 Washington St.....	Fruits and vegetables	
Van Orden Hay Co.....	Partnership.....	Produce Exchange.....	Hay and straw	
Van Sicklen, Abram C.....	Individual.....	21, 22 Harlem Market.....	Fruits and vegetables	
Van Vorst, Inc., George E.....	Corporation.....	601 West 33d St.....	Hay, straw, and grain	
Vogel & Co., H. C.....	Partnership.....	342 Washington St.....	Fruits, vegetables, poultry, meats, and eggs	
Volkman & Co., J. F.....	Partnership.....	248 Washington St.....	Farm produce	
Voorhees, John N.....	Individual.....	179 Reade St.....	Fruits and vegetables	
Vosburgh, Edward M.....	Individual.....	146 Reade St.....	Eggs and butter	
Vroman, Sanford A.....	Individual.....	33d St. and 11th Ave.....	Hay and straw	
Vroom & Co., George A.....	Corporation.....	128 8th Ave.....	Cheese, butter, and eggs	
Wachmann, Johel M.....	Individual.....	40 Harrison St.....	Butter and eggs	
Wagner Co., Inc., George F.....	Corporation.....	189 Duane St.....	Butter, eggs, and cheese	
Waldbaum, S. & W.....	Partnership.....	175 Chambers St.....	Butter and eggs	
Walker Brokerage Co.....	Corporation.....	204 Franklin St.....	Fruits in ear lots. Specializing in citrus fruits	
Wallace, Inc., Thomas P.....	Corporation.....	116 Warren St.....	Fruits and vegetables	
Warne & Sons, Hezekiah.....	Partnership.....	124 Warren St.....	General produce, poultry, fruits, and vegetables	
Warner, George A.....	Individual.....	158th St. and Morris Ave.....	General country produce	
Washburn & Co.....	Individual.....	650 West 34th St.....	Hay and straw	
Watson & Co., T. A.....	Individual.....	99 Park Place.....	Fruits and vegetables	
Weber, Jr., Charles.....	Individual.....	95 Park Place.....	Fruits	
Weinfeld, Morris.....	Individual.....	362 Greenwich St.....	Butter, eggs, dressed poultry, and calves	
Weinschel, M.....	Individual.....	34 Harrison St.....	Butter and eggs	
Weinstein, Abraham J.....	Individual.....	320 Washington St.....	Fruits and produce	
Werner, Charles.....	Individual.....	33 Loew Ave., West Washington Market.....	Live poultry	

Werner, Inc., Samuel.....	Corporation.....	59-63 Loew Ave., West Washington Market	Live poultry and eggs
Wessels & Co.....	Partnership.....	246 Washington St.....	Fruits and vegetables
Westervelt & Co., G. J.....	Individual.....	117 Warren St.....	Fruits and vegetables
Wetterau & Co., Inc., H. C.....	Corporation.....	286 Greenwich St.....	Butter, cheese, and eggs
Wheeler, Walter H.....	Individual.....	Cor. Grace and Lawton Ave.....	Lambs, calves, butter, eggs, beef, smoked goods, and beef products
Whispell, William.....	Individual.....	402 E. 103d St.....	Fruits, vegetables, and general produce
White, John F.....	Individual.....	854 Washington St.....	Vegetables and fruits
Whitesell, A. S.....	Individual.....	57, 58 Little West 12th St.....	Produce and fruits
Wiesenfeld, N.....	Individual.....	361 Greenwich St.....	Butter and eggs
Wigder, Sol.....	Individual.....	317 Greenwich St.....	Butter and eggs
Wilk, J.....	Individual.....	312 Greenwich St.....	Butter and eggs
Wilken Bros.....	Copartnership.....	20 Harlem Market.....	Butter, eggs, and cheese
Williams, F., Inc.....	Corporation.....	601 West 33d St.....	Hay and straw
Williams, John W., Inc.....	Corporation.....	34-42 Thompson Ave.....	Country produce, meats, and poultry
Williams & Co., T.....	Copartnership.....	241 Washington St.....	Fruits, vegetables, poultry, and calves
Williamson & Bro., T. S.....	Copartnership.....	Cor. Lawton and Grace Aves.....	Farm produce
Wilson & Co., H. K.....	Individual.....	34 Jay St.....	Fruits and vegetables
Withington, Leonard A.....	Individual.....	254 West 34th St.....	Hay, fruits, and vegetables
Wittnier, Hyman.....	Individual.....	348 Greenwich St.....	Butter, eggs, and poultry
Wolowitz, Inc., M. B.....	Corporation.....	409 Water St.....	Live poultry
Wood, Roscoe Conklin.....	Individual.....	Lawton & Hewitt Aves.....	Live and dressed poultry, calves, squabs, etc.
Woodward, Eben B.....	Individual.....	302 Greenwich St.....	Butter, cheese, eggs, hay, straw, grain, fruits, nuts, tallow, meat, poultry, honey, and maple syrup
Woolley & Hughes.....	Copartnership.....	40-50 Hewitt Ave.....	Poultry, calves, eggs, pork, and furs
Woolley & Hughes.....	Copartnership.....	40-50 Hewitt Ave., West Washington Market	Poultry, calves, and pork
Wright & Winsor.....	Copartnership.....	12 Harrison St.....	Butter and eggs
Yellowlee & Co., R. A.....	Corporation.....	2 and 4 Stone St.....	Grain
Young & Co., A. F.....	Corporation.....	308 Washington St.....	Fruits and general produce
Young Co., I. D.....	Copartnership.....	23-24 Bronx Produce Stores.....	Potatoes, fruit, and general produce
Yost & Co., Fred.....	Partnership.....	190 Reade St.....	Fruits, vegetables, dressed poultry and pork, calves, and eggs

LICENSED COMMISSION MERCHANTS — *Continued*

NEW YORK— <i>Continued</i>			KINDS OF PRODUCE HANDLED
NAME	ORGANIZATION	ADDRESS	
Young & Co., W. I.....	Copartnership..	149 Roade St.....	Butter, eggs, and cheese
Zenith Butter and Egg Co.....	Corporation....	355-359 Greenwich St.....	Butter and eggs
Ziegler & Co., George J.....	Copartnership..	209 Franklin St.....	Fruits, nuts, and vegetables
Zimmer & Dunkak, Inc.....	Corporation....	173, 175 Duane St.....	Butter and eggs
OGDENSBURG			
Mooney & Stewart.....	Copartnership..	8, 10 Lake St.....	Fruit and vegetables
Harrington Bros. & Smith.....	Copartnership..	34-36 North Water St.....	Butter, eggs, potatoes, onions, cabbage, cantaloupes, watermelons, berries, lettuce, and celery
ONEONTA			
Swift & Co., Inc.....	Corporation....	54 Broad St.....	Meat, poultry, eggs, dairy products, nuts, and honey
OSWEGO			
Swift & Co., Inc.....	Corporation....	300 West 1st St.....	Meat, poultry, eggs, dairy products, nuts, and honey
PELHAM, WESTCHESTER COUNTY			
Rupert & Sons, C.....	Corporation....	.....	Hay, straw, produce, fruits, and grain
PORT JERVIS			
Swift & Co., Inc.....	Corporation....	29-31 Jervis Ave.....	Meat, poultry, eggs, dairy products, nuts, and honey
POTSDAM			
Phenix Cheese Co.....	Corporation....	.....	Dairy products and eggs

POUGHKEEPSIE

McCormick, Hubbs & Co..... Corporation.... 259 Main St..... Tropical fruits and produce

ROCHESTER

Allen Fruit Co..... Individual..... 2 Ormond St..... Fruit, vegetables, and farm produce
Brown & Otis..... Copartnership.. 12 Ormond St..... Fruit, vegetables, butter, eggs & poultry
Deavenport, Chas. A..... Individual..... Franklin and North Sts..... Fruits, vegetables, and nuts
Dugan & Mack..... Copartnership.. 46 Franklin St..... Fruits and vegetables
Eastern Fruit and Produce Exchange, Inc..... Corporation.... 741 Granite Bldg..... Fruits and vegetables
Ernisse, Fred J..... Individual..... 14 Public Market..... Fruits, vegetables, and farm produce
Fox River Butter Co..... Corporation.... 58 Franklin St..... Butter, cheese, and eggs
Kennedy Fruit & Vegetable Company, Inc..... Corporation.... 54 Public Market..... Fruits and vegetables
North American Fruit Exchange..... Corporation.... Granite Bldg..... Fruits and vegetables
Roblein, George H..... Individual..... 195 Peek St..... Fruit, vegetables, and eggs
Whipple & Walzer Co..... Copartnership.. 41 Pennsylvania Ave..... Fruits and vegetables

SARANAC LAKE

Kernochan & Co., Inc., Louis... Corporation.... Fruit, vegetables, and farm produce

SARATOGA

The Ballston Refrigerating Storage Co..... Corporation.... Caroline St..... Apples, potatoes, and all farm produce
Swift & Co., Inc..... Corporation.... 50 Church St..... Meat, poultry, eggs, dairy products, nuts, and honey

SCHENECTADY

The Ballston Refrigerating Storage Co..... Corporation.... 140 Edison Ave..... Apples, potatoes, and all produce
Friedman Brothers..... Copartnership.. 130 South Center St..... Fruits and farm produce
Ludington & Co., F. E..... Individual..... 315 South Center St..... Fruits, vegetables, eggs, clams, and oysters

LICENSED COMMISSION MERCHANTS — *Continued*

NAME	ORGANIZATION	SCHODACK LANDING ADDRESS	KINDS OF PRODUCE HANDLED
Gardenier & Sons, Ransem.....	Copartnership..	SIDNEY	Hay, straw, potatoes, and apples
Phenix Cheese Co.....	Corporation....	SOUTH EDMESTON	Dairy products, and eggs
Phenix Cheese Co.....	Corporation....	STAPLETON	Dairy products, and eggs
Swift & Co., Inc.....	Corporation....	SYRACUSE	Meat, poultry, eggs, dairy products, nuts, and honey
Burton, Oliver L.....	Individual.....	508 Pearl St.....	General produce
Fox River Butter Co.....	Corporation....	202 North West St.....	Butter, cheese, and eggs
Gregory, D. D., Jr., & Bro.....	Copartnership..	560 South Clinton St.....	Fruits and vegetables
McCullough & Wikes.....	Copartnership..	512 Pearl St.....	General produce
Meager, James.....	Individual.....	215 Walton St.....	Fruits, vegetables, poultry, and eggs
Newcomb & Church Fruit Co., Inc.	Corporation....	348-352 West Fayette St.....	Fruits, vegetables, and farm produce
North American Fruit Exchange Corporation...	Corporation....	629 Kirk Bldg.....	Fruit and vegetables
Roscoe Fruit Co.....	Individual.....	417 North Clinton St.....	Vegetables, fruits, eggs, poultry, butter, and farm produce
Swift & Co., Inc.....	Corporation....	235 Walton St.....	Meat, poultry, eggs, dairy products, nuts, and honey
Tucker, Horace Richard.....	Individual.....	520 Pearl St.....	Fruits, vegetables, eggs, butter and cheese.
Weaver, Simon H.....	Individual.....	516, 518 South Clinton St.....	Fruits and vegetables.

TOMPKINSVILLE

Angleman, John..... Individual..... Fruits and produce

TROY

Armour & Co..... Corporation.... 2612-2616 Sixth Ave..... Eggs, meats, and dairy products
 Laylor & Cavanaugh Co., The.. Corporation.... Adams, River and First Sts..... Butter, eggs, cheese, and poultry
 Morey & Lee..... Copartnership.. 321, 323 River St..... Butter, eggs, maple sugar, and syrup
 Nugent & Powell..... Copartnership.. 214 Fourth St..... Fruits and produce
 Swift & Co., Inc..... Corporation.... 2788-2790 River St..... Meat, poultry, eggs, dairy products, nuts, and honey

UTICA

Anthony & Jones Co..... Corporation.... 129 Whitesboro St..... Fruits, butter, and produce
 Jones & Co., Griffith M., Inc.... Corporation.... 121, 123 Whitesboro St..... Fruits, vegetables, butter, cheese, eggs, canned goods, dried fruits, and manufactured goods
 Linkie, Charles E..... Individual..... 76-80 Hotel St..... Fruits, vegetables, and canned goods
 Owen & Griffiths Co..... Corporation.... 125, 127 Whitesboro St..... Fruits and vegetables
 Start, Lester J..... Individual..... 138, 140 Whitesboro St..... Fruits, vegetables, and eggs
 Swift & Co., Inc..... Corporation.... 49-51 Main St..... Meat, poultry, eggs, dairy products, nuts, and honey

WATERLOO

Pratz, Kime & Pratz..... Copartnership.. Hay, grain, beans, apples, and farm produce

WATERTOWN

Calen & Co..... Copartnership.. 221-225 Court St..... Fruits and farm produce
 Harrington Bros. & Smith..... Copartnership.. Printing House Place..... Butter, eggs, potatoes, onions, cabbage, cantaloupes, watermelons, berries, lettuce, and celery
 Myers & Co., C. J..... Individual..... 260 East Main St..... Fruits and vegetables
 Mooney & Stewart..... Copartnership.. U. & B. Yards..... Fruits and vegetables
 Thompson Co., E. H..... Corporation.... 200, 202 Solar Building..... Eggs and dairy products

LICENSED COMMISSION MERCHANTS — *Concluded*

NAME	ORGANIZATION	WAVERLY ADDRESS	KINDS OF PRODUCE HANDLED
Norton Co., Fred L., Inc.....	Corporation....	328 Broad St.....	Fruit and produce
YONKERS			
Swift & Co., Inc.....	Corporation....	23 Locust St.....	Meat, poultry, eggs, dairy products, nuts, and honey
Number of licenses issued to commission merchants for the year ending July 1, 1915.....			744
Amount received for commission merchants' licenses.....			\$7440

MILK DEALERS

Under section 55 of chapter 651 of the Agricultural Law, all persons who purchase milk from producers for the purpose of shipping the same to any city for consumption, or for the purpose of manufacturing it into an article of food, are required to obtain a license and file a surety company's bond with the Commissioner of Agriculture for a minimum sum of \$5,000 for the faithful performance of all contracts with milk producers and for the prompt payment to milk producers of all sums contracted to be paid for milk. The fee for such license is \$10.

While this law was originally enacted for the protection of producers of milk, it is also a protection for reputable dealers who comply with the law and pay their bills, against the competition of dealers who seek to evade payment for milk for which they have contracted with producers throughout the State.

The following is a list of milk dealers licensed for the year ending September 1, 1915:

LICENSED MILK DEALERS

LICENSE NO.	NAME	ORGANIZATION	ADDRESS
1	Sheffield Farms-Slawson-Decker Co.	Corporation...	524 West 57th St., New York City
2	F. X. Baumert & Co.	Partnership...	177 Franklin St., New York City
3	Newark Milk & Cream Co.	Corporation...	Canistota
4	The Rosemary Creamery Co.	Corporation...	11 Pine St., New York City
5	Andes Creamery Co.	Corporation...	Andes
6	Joseph Rabenstein.	Individual...	Berkshire
7	Theodore F. Lawrence.	Individual...	Chester
8	Henry M. Schwarz.	Individual...	422 East 118th St., New York City
9	Charles H. Helmers.	Individual...	Cassville
10	Crystal Fountain Creamery.	Partnership...	Slaterville Springs
11	Franklin County Creamery & Condensed Milk Co.	Partnership...	North Bangor
12	Sodus Co-operative Creamery Co.	Corporation...	Wolcott
13	Ogdensburg Creamery Co.	Corporation...	210 State St., Ogdensburg
14	Fitch Gilbert, Jr. & Co.	Corporation...	Gilbertsville
15	Royal Dairy Co.	Corporation...	665 Lake St., Elmira
16	Delhi Co-operative Dairy Co.	Corporation...	Delhi
17	Willow Brook Dairy, Inc.	Corporation...	209 Washington St., Mt. Vernon
18	Hornell Sanitary Dairy Co., Inc.	Corporation...	Hornell
19	Edward J. Byrnes.	Individual...	Merrifield
20	John H. Satterlee, trading as Berlin Milk Condensing Co.	Individual...	Berlin
21	Atwater Brothers.	Partnership...	401 Division St., Elmira
22	Wetmiller Brothers.	Partnership...	Cohocton
23	John Draves' Sons.	Partnership...	Wurtsboro
24	Henry Dolfinger.	Individual...	Nunda
25	F. Hoover & Son.	Partnership...	Sterlingville
26	Eugene P. Norton, trading as Robert Norton & Co.	Individual...	Attica
27	Andrew Knauer, trading as Sauquoit Valley Dairy.	Individual...	351 Columbia St., Utica

MILK DEALERS LICENSED UNDER SECTION 55 OF AGRICULTURAL
LAW, FOR THE YEAR ENDING SEPTEMBER 1, 1915 — *Cont'd*

LICENSE NO.	NAME	ORGANIZATION	ADDRESS
28	Oneonta Dairy Co.....	Corporation...	26 Main St., Oneonta
29	Frank Karlen.....	Individual....	West Branch
30	Gardner & Doscher.....	Partnership...	343 West 38th St., New York City
31	John H. Lewis, trading as Jordan Creamery.....	Individual....	Jordan
32	Edgar Shoemaker.....	Individual....	615 East 134th St., New York City
33	Isaac Cohen.....	Individual....	16 Moore St., Brooklyn
34	Joseph Israel.....	Individual....	34 Norfolk St., New York City
35	Charles G. Stretch.....	Individual....	Killawog
36	Herman Stuhling.....	Individual....	322 West 48th St., New York City
37	Joanna M. Clark.....	Individual....	Ensenore
38	John Ruchti.....	Individual....	Ava
39	Elle E. Pinney.....	Individual....	Liberty
40	Henry A. Rusch.....	Individual....	226 Stockholm St., Brooklyn
41	Louis Kadans.....	Individual....	306 Greenwich St., New York City
42	Hamilton Dairy Co.....	Corporation...	620 West 131st St., New York City
43	Standard Dairy Co.....	Corporation...	611 East 12th St., New York City
44	Louis Edelstein.....	Individual....	48 Seigel St., Brooklyn
45	Henry Arnstein.....	Individual....	101 West 140th St., New York City
46	Harvey G. Putnam, trading as Oriskany Creamery.....	Individual....	Oriskany
47	William Jorden.....	Individual....	Guilford Center
48	Fred Wolpmann.....	Individual....	Randallsville (P. O. Earlville)
49	Wm. Slottman.....	Individual....	23 Mangin St., New York City
50	Otto Heuer.....	Individual....	Earlville
51	Jos. H. Gilmore.....	Individual....	Jefferson
52	Otto Gruhn.....	Individual....	223 Boerum St., Brooklyn
53	John E. Rosasco.....	Individual....	13 Morton St., New York City
54	John F. Hager.....	Individual....	Leroy
55	Harry B. Livermore.....	Individual....	Moravia
56	Brosemer & Gleason.....	Partnership...	170 West 1st St., Oswego
57	Springfield Farms Co., Inc.....	Corporation...	Springfield Center
58	Phenix Cheese Co.....	Corporation...	345 Greenwich St., New York City
59	Nestle's Food Co., Inc.....	Corporation...	555 South 4th St., Fulton
60	Powdered Milk Co. of America.....	Corporation...	51 Hudson St., New York City
61	Isaac W. Rushmore Co.....	Corporation...	100 Atlantic Ave., Brooklyn
62	West Handsome Brook Co-operative Creamery Co.....	Corporation...	84 Delaware St., Walton
63	Theodore P. Grant, trading as Village Creameries.....	Individual....	Norfolk
64	R. F. Stevens Co.....	Corporation...	88 3rd Ave., Brooklyn
65	Brunson A. Hull.....	Individual....	Middletown
66	The Reid Ice Cream Co.....	Corporation...	524 Waverly Ave., Brooklyn
67	Brown & Bailey Condensed Milk Co.....	Corporation...	88 3rd Ave., Brooklyn
68	Lloyd Creamery Co.....	Corporation...	Oneida
69	Sayre Creamery & Cold Storage Co.....	Corporation...	Waits
70	Mohawk Condensed Milk Co.....	Corporation...	71 Hudson St., New York City
71	Genesee Valley Milk Products Co.....	Corporation...	Lakeville
72	Fillmore-Belfast Dairy Products Co., Inc.....	Corporation...	Fillmore
73	Katches Dairy Co.....	Corporation...	444 Grand St., New York City
74	Chemung Valley Dairy Products Co.....	Corporation...	Big Flats
75	Alexander Campbell Milk Co.....	Corporation...	802 Fulton St., Brooklyn
76	Briar Creek Creamery Co., Inc.....	Corporation...	Walton
77	M. H. Renken Dairy Co.....	Corporation...	131 Emerson Place, Brooklyn
78	John Blumers & Bros.....	Corporation...	535 East 75th St., New York City
79	H. P. Hood & Sons.....	Corporation...	Eagle Bridge
80	Ullmann & Hauk Dairy Co.....	Corporation...	513 West 131st St., New York City
81	Central Dairy Co.....	Corporation...	322 East 103d St., New York City
82	Clover-Dale Farms Co.....	Corporation...	60 Exchange St., Binghamton
83	Silberman Dairy Co.....	Corporation...	80 Vernon Ave., Brooklyn
84	The Ekenberg Co.....	Corporation...	Cortland
85	The Richardson-Beebe Co.....	Corporation...	East Aurora
86	Granton Creamery Co.....	Corporation...	Walton
87	Hudson Milk & Cream Co.....	Corporation...	Itaska
88	Hasselbeck Cheese Co.....	Corporation...	596 Jefferson St., Buffalo

MILK DEALERS LICENSED UNDER SECTION 55 OF AGRICULTURAL
LAW, FOR THE YEAR ENDING SEPTEMBER 1, 1915 — *Cont'd*

LICENSE NO.	NAME	ORGANIZATION	ADDRESS
89	Crowley's Dairy Products Co., Inc.	Corporation...	729 Main St., Poughkeepsie
90	Tully Milk Co., Inc.	Corporation...	Tully
91	The Empire State Dairy Co.	Corporation...	502 Broadway, Brooklyn
92	Cedarville Milk & Cream Co.	Corporation...	Cedarville
93	Henry Rauch Co.	Corporation...	27 Garden St., Brooklyn
94	Vto Villecco	Individual...	Tunnel
95	Charles O. Cross & Sons	Partnership...	Johnstown
96	The Fabius Creamery Co.	Corporation...	Fabius
97	McDermott Dairy Co.	Corporation...	91 Manhattan St., New York City
98	Levy Dairy Co.	Corporation...	19th St. and Avenue B, New York City
99	W. & I. Mekeel	Partnership...	Jacksonville
100	Domser Brothers	Partnership...	Boonville
101	Samuel Fieldman	Individual...	618 East 9th St., New York City
102	Tietjen Brothers	Partnership...	506 East 118th St., New York City
103	Cornelius Van Herwarde	Individual...	Maybrook
104	David Whiting & Sons	Partnership...	Greenwich
105	Harvey J. June	Individual...	305 Main St., Hornell
106	Evan L. Jones	Individual...	Delevan
107	Clayton A. Buckingham	Individual...	New Woodstock
108	Parksville Dairy Co.	Partnership...	Parksville
109	Fort Plain Milk Co., Inc.	Corporation...	Fort Plain
110	W. J. & H. R. Fraser	Partnership...	Fraser
111	Tait Brothers	Partnership...	138 West 31st St., New York City
112	Charles N. Smith, trading as Fort Plain Dairy Kitchen	Individual...	Fort Plain
113	William Richman	Individual...	Unionville
114	Mutual Milk & Cream Co.	Corporation...	214 East 22d St., New York City
115	J. M. Horton Ice Cream Co.	Corporation...	205 East 24th St., New York City
116	Luke Blake	Individual...	959 6th Ave., New York City
117	Rockland Creamery Co.	Partnership...	Rockland
118	Adam Bickelhaupt	Individual...	Redwood
119	Queen City Dairy Co.	Corporation...	251 Seneca St., Buffalo
120	Seminole Condensed Milk Co.	Corporation...	Holland Patent
121	Charles Cuomo	Individual...	42 Spring St., New York City
122	T. O. Smith's Sons	Partnership...	872 6th Ave., New York City
123	Sullivan County Creamery Co.	Partnership...	Jeffersonville
124	National Dairy Co.	Corporation...	358 Oakland St., Brooklyn
125	Supplee Alderney Dairy	Partnership...	Mayville
126	James C. Rider & Co.	Corporation...	102 Norman Ave., Brooklyn
127	Hauk Dairy Co.	Corporation...	12 Clinton St., Yonkers
128	Wheat's Ice Cream Co.	Corporation...	Akron
129	Ithaca Condensed Milk & Cream Co., Inc.	Corporation...	West Clinton St., Ithaca
130	Modern Dairy Co., Inc.	Corporation...	868 Dean St., Brooklyn
131	Anton Koester	Individual...	438 West 58th St., New York City
132	Conrad Feige	Individual...	557 West 42d St., New York City
133	Wm. Michaelsen	Individual...	410 West 127th St., New York City
134	Ideal Dairy Co.	Corporation...	203 20th St., Brooklyn
135	Middle States Creamery Co.	Corporation...	Canastota
136	Clover Leaf Milk Co.	Corporation...	175 West Main St., Amsterdam
137	The Monroe Cheese Co.	Corporation...	Main St., Monroe
138	W. M. Evans Dairy Co., Inc.	Corporation...	32 Lexington Ave., Brooklyn
139	New York Dairy Products Co.	Corporation...	155 Freeman St., Brooklyn
140	Ira E. Gifford, trading as Gifford Dairy Co.	Individual...	Poplar Ridge
141	William J. Peach	Individual...	Pulaski
142	James H. Whaley Creamery Co.	Corporation...	212 N. Washington St., Rome
143	Cooke Milk & Cream Co.	Corporation...	294 Graham Ave., Brooklyn
144	The Rockdale Co.	Corporation...	Rockdale
145	Jersey Milk & Cream Co.	Corporation...	Groton
146	Standard Butter Co.	Corporation...	Owego
147	Russell J. Maneely	Individual...	Malone
148	Richard C. Greten	Individual...	Blodgett Mills
149	Jefferson County Creamery Co.	Corporation...	100 Hudson St., New York City
150	Frank Burton Coons	Individual...	Burnt Hills
151	Ambrosia Milk Corporation	Corporation...	120 Liberty St., New York City
152	Riverside Creamery Corporation	Corporation...	Warsaw

MILK DEALERS LICENSED UNDER SECTION 55 OF AGRICULTURAL LAW, FOR THE YEAR ENDING SEPTEMBER 1, 1915 — *Cont'd*

LICENSE NO.	NAME	ORGANIZATION	ADDRESS
153	Frederick W. Janssen.....	Individual....	Little York
154	Emanuel D. Offen, trading as Centerville Creamery Co.....	Individual....	Centerville Station
155	John H. Muller.....	Individual....	513 West 55th St., New York City
156	B. S. Boyd & Co.....	Partnership...	Cannonsville
157	Wm. M. Murray & Co.....	Partnership...	Sempronius (P. O. Moravia)
158	Albert C. Haigh.....	Individual....	East Springfield
159	The Port Jervis Dairy Co.....	Partnership...	Port Jervis
160	James William Husted.....	Individual....	Peekskill
161	O. A. Weatherly & Co.....	Partnership...	Milford
162	Unadilla Creamery Co.....	Partnership...	Unadilla
163	Horseheads Creamery Co.....	Corporation...	Horseheads
164	Borden's Condensed Milk Co.....	Corporation...	108 Hudson St., New York City
165	High Ground Dairy Co.....	Corporation...	447 Madison St., Brooklyn
166	Seiler Brothers.....	Partnership...	Baldwinsville
167	Frank Francis.....	Individual....	Malone
168	Sam Tevelowitz.....	Individual....	Ellenville
169	Arkport Creamery Co.....	Corporation...	Arkport
170	Breakstone Brothers, Inc.....	Corporation...	344 Greenwich St., New York City
171	International Milk Products Co.....	Corporation...	Cooperstown
172	Albert C. Ogden.....	Individual....	Middletown
173	Cloverland Dairy Co., Inc.....	Corporation...	250 Lincoln Ave., Syracuse
174	John Manz.....	Individual....	Mongaup Valley
175	Charles D. Anken.....	Individual....	Rome
176	Albert E. Doane.....	Individual....	Marathon, R. D. 6
177	Orange County Milk Association.....	Corporation...	136 West 31st St., New York City
178	Arlington P. Fulton.....	Individual....	Ferndale
179	Boonville Creamery & Cold Storage Co.....	Corporation...	Boonville
180	Wilna Farms Co.....	Corporation...	Carthage
181	Haleott Center Creamery Co.....	Corporation...	84 Delaware St., Walton
182	Charles Mertz.....	Individual....	60 Stanhope St., Brooklyn
183	Harlem Dairy Products Co., Inc.....	Corporation...	Clinton
184	Frank Cuomo.....	Individual....	Bloomington
185	Zellner Brothers, Inc.....	Corporation...	37 Montrose Ave., Brooklyn
186	M. Burgmann, Inc.....	Corporation...	156 West 31st St., New York City
187	Frank F. Hatch.....	Individual....	105 West 46th St., New York City
188	Gilboa Creamery Co.....	Corporation...	105 1st St., New York City
189	B. K. Brown & Son Co.....	Corporation...	Remsen
190	Fulboom Dairy Co.....	Corporation...	Skinner's Falls (P. O. Milanville, Pa.)
191	Norwich Dairy Co.....	Partnership...	63 Henry St., Norwich
192	Fenton F. Craft.....	Individual....	37 Liberty St., New York City
193	Georgiana G. Martin, trading as Martin's Tioga Dairy.....	Individual....	572 Greenwich St., New York City
194	Johnston & Albee.....	Partnership...	204 West 96th St., New York City
195	Mundale Creamery Co.....	Corporation...	Walton
196	Julia L. Goss.....	Individual....	7 North Delaware St., Glens Falls
197	The Brooklyn Milk Co., Inc.....	Corporation...	262 Bond St., Brooklyn
198	The Keystone Dairy Co.....	Corporation...	Freble
199	Bohner & Seubert.....	Partnership...	821 Genesee St., Buffalo
200	Howell Cond. Milk & Cream Co.....	Corporation...	1 Jefferson Market, New York City
201	Datus Clark.....	Individual....	Peru
202	Samuel Kappler.....	Individual....	Lee Center
203	Gold Seal Dairy Co.....	Corporation...	Canajoharie
204	Model Dairy Co., Inc.....	Corporation...	246 8th Ave., New York City
205	Charles Rose & Son.....	Partnership...	Cobleskill
206	Benjamin H. Marks, trading as Amity Dairy.....	Individual....	105 West 46th St., New York City
207	Locust Farms Co.....	Corporation...	458 10th Ave., New York City
208	Fred N. Bunker.....	Individual....	South Columbia
209	James E. McElroy.....	Individual....	320 East 28th St., New York City
210	Izaak Lieber.....	Individual....	5 East 107th St., New York City
211	Frank B. Allen, trading as Springfield Creamery.....	Individual....	South Berlin
212	Diamond Dairy Co.....	Corporation...	Carlton Ave. and Pacific St., Brooklyn
213	John Wesley Thorn.....	Individual....	Westtown

MILK DEALERS LICENSED UNDER SECTION 55 OF AGRICULTURAL
LAW, FOR THE YEAR ENDING SEPTEMBER 1, 1915 — *Cont'd*

LICENSE NO.	NAME	ORGANIZATION	ADDRESS
214	Beakes Dairy Co.	Corporation...	206 East 12th St., New York City
215	Henry A. Bullard.....	Individual....	Winthrop
216	Cincinnati Dairy Co.....	Corporation...	Cincinnati
217	Glens Falls Dairy Co.....	Corporation...	192 Ridge St., Glens Falls
218	Ballston Spa Creamery Co.....	Corporation...	270 Milton Ave., Ballston Spa
219	Osmond L. Kimball, trading as Argyle Creamery.....	Individual....	Argyle
220	William F. Karlen.....	Individual....	Boonville
221	Maple City Dairy Co., Inc.....	Corporation...	River Front, Ogdensburg
222	Bainbridge Milk Co.....	Corporation...	Bainbridge
223	Max Smith.....	Individual....	1 Gouverneur St., New York City
224	Jefferson Butter & Cheese Co.....	Partnership...	Jefferson
225	Laemle Dairy Co., Inc.....	Corporation...	202 Bleecker St., New York City
226	Fred E. Benway.....	Individual....	85 Elm St., Hudson Falls
227	Charles H. Van Hynning.....	Individual....	1 Lincoln St., Glens Falls
228	John F. White Co.....	Corporation...	Mount Morris
229	I. J. Chapman & Son.....	Partnership...	565½ South Clinton St., Syracuse
230	Jacob Smith.....	Individual....	590 Water St., New York City
231	The Dry Milk Co.....	Corporation...	11 Pine St., New York City
232	American Milk Co.....	Corporation...	Adams Center
233	H. & T. Michaelsen.....	Partnership...	408 West 127th St., New York City
234	Adams & Shearing Dairy Co.....	Corporation...	Marilla
235	Gage E. Tarbell, trading as Tarbell Farms.....	Individual....	Smithville Flats
236	Frederick Kranbuhl.....	Individual....	Constableville
237	Merell-Soule Co.....	Corporation...	Syracuse
238	Dora Fayen.....	Individual....	1026 Faile St., New York City
239	Estella Lawson Geier, trading as Green Lake Dairy.....	Individual....	453 West 38th st., New York City
240	Cohen Dairy Co., Inc.....	Corporation...	60 Lenox Ave., New York City
241	Max Blum.....	Individual....	142 Reade St., New York City
242	Herbert Wadsworth.....	Individual....	Avon
243	Hoefler Ice Cream Co.....	Corporation...	294 Connecticut St., Buffalo
244	Rich's Jersey Creamery Co.....	Corporation...	Cattaraugus
245	Joffey & Perlman.....	Partnership...	14 East 114th St., New York City
246	Walker Ice Cream Co.....	Corporation...	Kiantone (P. O. Jamestown)
247	Bosch's Dairy Co., Inc.....	Corporation...	8-12 Forest Ave., Brooklyn
248	G. Savarese & Son.....	Partnership...	East Chatham
249	Webster E. Griffith.....	Individual....	Madrid
250	Cole & Fish Star Creamery Co.....	Corporation...	158 Chester St., Buffalo
251	Normanskill Farm Dairy Co.....	Corporation...	126 Jay St., Albany
252	Hudson Valley Dairy Co.....	Corporation...	Newburgh
253	Tuting & Heins, Inc.....	Corporation...	New York City
254	George Jones.....	Individual....	Mayville
255	Nicosia Brothers.....	Corporation...	New York City
256	Broome County Dairy Co.....	Partnership...	Binghamton
257	Clover Farms, Inc.....	Corporation...	New York City
258	Unadilla Creamery Co.....	Partnership...	Unadilla
259	Bent Milk Food Corporation.....	Corporation...	Morristown
260	Canastota Creamery Co.....	Partnership...	Canastota
261	Thousand Island Farms, Inc.....	Corporation...	Morristown
262	Conrad Haller.....	Individual....	LaFargeville
263	Brighton Place Dairy Co.....	Corporation...	Rochester
264	Mount Vernon Dairy.....	Corporation...	Irvington, N. J.
265	Kinney Brothers.....	Corporation...	Binghamton
266	Peoples Ice Cream Co.....	Partnership...	North Macedon
267	Martin J. Kinary.....	Individual....	Utica
268	Fish Creek Milk & Cheese Co.....	Partnership...	Constableville
269	Hoosick Elgin System Creamery..	Corporation...	Hoosick Falls
270	Williamson Ice Cream Co., Inc.....	Corporation...	Williamson
271	Anken Brothers.....	Partnership...	Lee Center

The total number of licenses issued to milk dealers under section 55, Agricultural Law, for the year ending September 1, 1915, was 271; the amount received for such licenses was \$2,710

Under section 45 of chapter 408 of the Laws of 1913, amending the Agricultural Law, upon sanitary inspections made by the Bureau of Dairy Products and upon applications, this Bureau issues license certificates to managers of creameries and milk-gathering stations. These licenses are issued without the payment of any fee.

The following is a list of persons to whom license certificates have been issued during the current year:

NAME	ADDRESS
Achilli, Italo.....	Fulton
Adsit, William S.....	Cherubusco
Agan, Geo. H.....	Haynes
Albro, Charles F.....	McGraw
Allen, Carl C.....	Fernwood
Allen, Ernest H.....	White Creek
Allen, Fenton J.....	Old Chatham
Allen, Oram M.....	Preble
Alton, Herbert A.....	Theresa
Ames, Ellsworth N.....	Lamont
Anderson, Arthur M.....	Hamilton
Anderson, Frank R.....	Fort Ann
Andrews, Geo. H.....	Copake Falls
Andrus, John A.....	Hopewell Jct.
Anken, Ernest.....	Lee Center
Archer, Marshall A.....	Deposit
Amstead, Chas. E.....	Verbank
Armstrong, Hoyt M.....	Portville
Atwater, Floyd A.....	Elmira
Auter, Edgar.....	Middletown
Ayres, Wm. R.....	Madrid Springs
Aylesworth, Calvin.....	Upper Lisle
Aylesworth, Dell.....	Center Lisle
Bach, Christian F., Jr.....	Hancock
Back, Chas. J.....	Beaver Falls
Bachman, Peter F.....	Castorland
Baier, Ernest F.....	Silver Springs
Bailey, Ernest.....	Oswego
Bailey, Geo. N.....	Watts Flats
Baker, Chas. E.....	Troupsburg
Baker, J. H.....	Smithboro
Baker, John H.....	Binghamton
Baker, Wm. J. H.....	Pine Island
Baldwin, James E.....	Baldwinsville
Baldwin, Raymond L.....	So. Columbia
Baldwin, Ross.....	Callicoon Center
Barlow, Jabez H.....	Cohleskill
Barnhart, Jas. A.....	Walton
Barrett, Bert W.....	Binghamton
Bartlett, Chas F.....	Camden
Bartlett, Edwin E.....	Collins Center
Barton, Harold C.....	Lisbon
Bates, Wm. N.....	Millerton
Beardslee, Clyde E.....	Frewsburg
Beckwith, Otis L.....	Pine Plains
Bennett, Geo. S.....	Massena Springs
Bennett, Lewis L.....	Fort Covington
Bent, Roy H.....	Antwerp
Benweay, Fred E.....	Hudson Falls
Bernard, Fred.....	Relyeas Crossing
Bernard, Solie V.....	Modena
Bernstein, Hyman.....	Morristown
Berry, Raymond C.....	Sharon Springs
Bettecher, M. W.....	Middletown
Betz, F. P.....	Middleburgh
Bevette, Austin G.....	Bangor
Bigelow, Arthur J.....	So. New Berlin
Bigness, Chas. E.....	Natural Bridge
Bilderbeck, Rockwell C.....	Oneonta
Binder, Chas. L.....	Rochester
Bishop, Geo. W.....	Newport

NAME	ADDRESS
Blackburn, Robert	So. Glens Falls
Clair, Addison D.	Van Etten
Cleur, Daniel	Franklinville
Bligh, David S.	Manlius
Bliss, Chas. C.	Oakwood
Blum, Albert J.	Bainbridge
Blume, John D.	Malone
Blummer, Fred M.	Roxbury
Blust, Geo. A.	Holland Patent
Bonsted, S. D.	Mayville
Booth, Clarence E.	Rochester
Borst, Alfred	Newport
Bowen, Leon I.	East Steuben
Boyd, Berkley S.	Cannonsville
Boyd, E. H.	Hoosick
Brand, Abram J.	Tuttonville
Branlich, Frederick W.	Windham
Brasted, D. C.	Almond
Brechbuehl, Christ.	West Valley
Brewer, John B.	Stormville
Bridenbaker, Stanley	Sandusky
Brill, Chas. M.	Poughkeepsie
Briggs, Jas. L.	Cambridge
Briggs, Millard L.	Bloomville
Brigham, Frank A.	Collins
Britton, Geo. H.	Pawling
Broad, Henry S.	Stanfordville
Brodsky, David	Dunraven
Brown, Abram	New Berlin
Brown, Chas. A.	Petersburg
Brown, Chas. E.	Georgetown
Brown, Fred E.	East Dickinson
Brown, Hollis	New Woodstock
Brown, John	Gulf Summit
Brown, Jos. F.	Sullivan
Brown, Leroy E.	So. Berlin
Brown, Leroy A.	Center Lisle
Brown, Neil L.	Lisle
Brown, Robert	Portlandville
Brown, Walter F.	Remsen
Brundage, James A.	Pepacton
Buchanan, John C.	Sinclairville
Buckbee, Geo. M.	Clinton Corners
Buckley, Clarence E.	Caughdenoy
Bull, E. W.	Portageville
Burch, Clifford P.	Buskirk
Burch, Wesley E.	So. Cambridge
Burger, Otto J.	Dover Plains
Burgdoff, Claude A.	Forrest
Burleigh, Jay R.	Verona
Burlingame, Wm. F.	Little Valley
Burnett, Curtis	Hopewell Jct.
Burns, Jas. S.	Plum Brook
Burt, Monta	Warsaw
Butler, Chas. J.	Yorkshire
Butler, Daniel A.	Andes
Burner, Burton A.	Deerfield
Cady, Daniel H.	Wappingers Falls
Caldwell, Wm. G. D.	East Freetown
Calvin, Robert E.	Burnside
Cameron, W. H.	Locke
Campbell, Chas. W.	Roxbury
Campbell, Fred J.	Glenmore
Campbell, Horace M.	Richmondville
Card, Abram A.	Schoharie
Cargin, Chas.	Hankins
Carl, Milo G.	Conklin
Carnecross, John E.	Upperville
Carpenter, John	Belfast
Carr, Milo V.	Norwich
Cartheuser, Eugene A.	Milanville, Pa.
Carver, John L.	Greenway
Carver, Ralph A.	Cortland
Case, Eugene	West Winfield
Casler, Merwin	New Bremen
Chaplin, Arthur S.	Walcott
Chapman, Wm. W.	Alfred
Cheney, Claude V.	Leyden Sta.
Chesbor, Harold T.	Ischua

NAME	ADDRESS
Clark, E. L.	Cherubusco
Clark, Fred T.	Westtown
Clark, Frank J.	Ensenore
Clark, Jos. A.	Kelly Corners
Clarke, Wilbur R.	Randolph
Clauss, Geo.	Harford
Clemons, Leonard F.	Orleans
Clemons, Oliver B.	Demster
Cleveland, Chester	East Windsor
Cline, John W.	Lewisville
Coburn, Fred E.	Groton
Cochran, Freeland H.	Plymouth
Coleman, Lewis S.	Horseheads
Collins, Arthur	Clinton Mills
Collins, William W.	Chaumont
Colvin, Robert	Burnside
Compo, Delaney D.	Markhams
Counsell, Horace A.	King Ferry
Conroy, John C.	Copenhagen
Cook, Daniel	Webster Sta.
Cook, Frank	Greenwood
Cook, Walter M.	Cincinnatus
Cooley, Leo H.	So. Dayton
Cooper, Geo. W.	Red Hook
Corey, Herbert D.	Almond
Corey, Raymond C.	Granville
Coughlin, Geo.	Caneadea
Countryman, Herman	Sprakers
Cox, Wm.	Lamsen
Creighton, Isaac	Ogdensburg
Cronk, Addison J., Jr.	Prattsville
Cross, Albert H.	Gouverneur
Cross, Chas. O.	Johnstown
Crotty, Archie	Crystal Run
Curtis, Howard	Richfield Springs
Curtis, Scott L.	Rockdale
Cushman, Ira B.	Bainbridge
Coyle, Frank W.	E. Meredith
Daly, Frank J.	Truxton
Danehy, Dennis	Perryville
Darling, Vern	Messengersville
Dann, Geo. H.	Verona Sta.
Dart, James R.	Roxbury
Davis, Geo. H.	Clayville
Davis, J. Lindsay	Middleville
Davis, Wm. H.	Burke
Decker, David E.	Cohection
Decker, Stephen	Wurtsboro
Decker, Wm.	Glens Falls
DeLong, Almon W.	Ellenburg Depot
Demo, Melburn L.	Endicott
Dennie, Archie C.	Altmar
Dewey, Chas. S.	Erin
Dewey, Fred M.	Greenwich
De Wolfe, Frank M.	Philadelphia, N. Y.
Dick, Herbert H.	Whitehall
Dickerson, Chas.	Weedsport
Dickerson, Grant M.	Auburn
Dickinson, Noble H.	Gilboa
Dickinson, Thomas F.	Mooers
Dixon, Chas. H.	Mt. Vision
Doan, Leslie	Chemung
Doremus, Irving L.	Campbell Hall
Dorsey, Bert J.	Leon
Douglass, Wm. H.	Hobart
Doyle, John M.	Chase Mills
Drake, F. H.	Newfield
Dresser, I. R.	Poolville
Drevlo, Oscar F.	Defreestville
Dusinberry, Theodore	Smyrna
Dwight, Geo. A.	Cortland
Dye, Wilbur F.	Attica
Dykeman, John S.	S. Worcester
Earles, Omar	Franklinton
Ebert, Ernest W.	Middletown
Eckler, Victor D.	Canajoharie
Eldred, Burdett	Goshen
Eldred, Cleon D.	Sanford
Eldred, Henry	Catatunk

NAME	ADDRESS
Eldridge, Fred S.	Natural Bridge
Elwyn, Elliott	Whitney's Pt.
Ellis, Frank C.	Fayetteville
Eltz, Geo., Jr.	Cooks Falls
Epperson, Alvah R.	Syracuse
Etson, Fred C.	Vernon
Faatz, Eugene W.	Tioga Center
Fairbank, William E.	De Kalb Junction
Fancher, Earl T.	Whitney Point
Fargo, Warren	Batavia
Faucett, Earle C.	Morrisville
Fehr, Albert	Altone
Felder, Jos., Jr.	Redwood
Felderer, Louis	Darien
Fellows, William Z.	Altmar
Fenner, Fred M.	La Fargeville
Fenz, Gottlieb	West Valley
Fenz, Rudolph	Strykersville
Fisher, Walter V.	Burlington Flats
Fisk, Vern B.	Newport
Fitzpatrick, Edward	Fabius
Flint, Floyd	Roseboom
Folger, Geo. S.	Canisteo
Foote, Earl	Glenfield
Ford, Hial T.	Little York
Forward, Lawrence	Blossville
Fowler, Frank M.	New Hampton
Franklin, Geo. W.	Nichols
Fredenburg, John H.	Masonville
Freeman, Barney	Hale Eddy
Frey, Emil	Monroe
Friedel, Edward L.	Marilla
Fryer, Wm. D.	Earlville
Fuller, Lewis E.	Barton
Fundis, Carl J.	Jacksonville
Galusha, Claude D.	Inghams
Gates, Allison	Lebanon
Gaylord, Clarence J.	Eden
Gaynor, J. Eugene	E. Martinsburg
Gibbs, Roy T.	Henderson
Gibson, Clayton H.	Apalachin
Gibson, Geo.	Asbland
Gile, John C.	North Norwich
Glidden, Geo. E.	Rensselaer Farms
Golden, Grant	Hurleyville
Goodison, Frederick	Ogdensburg
Goodrich, Dean H.	Middleville
Gosier, Sylvester E.	Cape Vincent
Goss, Julia L.	Glens Falls
Graham, Frank E.	Howells
Graham, Frank	Stevensville
Gray, Amos	St. Johnsville
Gray, Brainard	Otego
Gray, John L.	Chatham
Gray, Jos. S.	Mannsville
Gregory, C. A.	Fort Plain
Green, Sanford	Accord
Greenleaf, C. D.	Brewster
Grippen, George W.	Dryden
Grippen, Milton L.	West Candor
Gross, Theo. V.	Florida
Guile, ———	
Gunderson, John	Canajoharie
Gurley, Clarence E.	Colton
Haight, A. E.	Salt Point
Hale, Jerome H.	Dryden
Hall, Carrol D.	Greenwich
Hall, Ray F.	Guilford
Hallock, Cecil E.	Merrickville
Halliday, Frank A.	Massena
Hamden, Geo. W.	Wolcott
Hamilton, Wm. H.	De Ruyter
Hammocker, Chas. W.	Parish
Hammond, Fred O.	Smithville Flats
Hanson, Charles	Fort Plain
Harkness, Wm. G.	Cape Vincent
Harringer, Augustus	Depauville
Harrington, Theon D.	W. Kortright
Harris, Fred	Roxbury

NAME	ADDRESS
Harte, Clayton P.	Redwood
Hawley, Edgar.	Marathon
Hayes, Frank.	Clockville
Haynes, Lafayette.	Center Village
Hayre, Bert E.	Tuscorora
Heath, Arthur.	Lisle
Hedden, Edson C.	Belmont
Heiler, Samuel R.	Cuba
Hicks, Geo. A.	Mapleview
Hicks, Albert B.	Newport
Higby, Robert F.	Warwick
Higgins, Elmer.	Little Falls
Higgins, George.	Canastota
Hilsinger, Elbert.	Sherburne
Hitchcock, Frank G.	Earlville
Hitchcock, Jos. C.	Bainbridge
Hitchings, Wendel G.	Kirkville
Hobart, Manly W.	Friendship
Hodge, Frank.	Solsville
Hoff, Claude C.	Clinton
Hogan, James H.	Richford
Hollister, John L.	Spencer
Hoose, Francis B.	South Kortright
Horton, Oscar.	Brisben
Hotchkiss, Geo. L.	Edmeston
Houghton, Merritt.	Camden
House, Peter S.	Pine Bush
Hovey, Will W.	Cooperstown
Howard, Byron H.	Whitehall
Howland, Norman S.	West Edmeston
Hoyt, Charles E.	Woodford
Hort, Henry R.	Poughkeepsie
Hubbard, Frank M.	Champlain
Hubbard, Theodore G.	Geneva
Hudson, John S.	Wisner
Huey, Floyd.	Mapleton
Hughes, Robert D.	Cazenovia
Hulbert, Alfred.	Preston Hollow
Hull, Wm. E.	Montgomery
Humphrey, Jos. R.	Madrid
Hunt, Frank K.	Blodgett Mills
Hunt, John W.	Westtown
Hunt, Ira W.	Circleville
Hunt, Pierson S.	Thompson Ridge
Hynds, Kasson O.	Hyndsville
Imboden, Jacob.	Glenwood
Ingersoll, Edson M.	Lacona
Jackman, Harry W.	Lisbon
Jacobson, Peter.	Jamestown
Jansen, John A.	Walkill
Japson, Mortimer M.	
Jarvis, Fred.	Coughdenoy
Jaycox, John M.	Richmondville
Jenkins, W. C.	New Woodstock
Johnson, Clarence H.	Binghamton
Johnson, Egbert H.	Solon
Johnson, Henry O.	Indian Falls
Johnson, Hugh D.	McGraw
Johnston, Harry E.	Franklin Depot
Jones, Eben O.	Barneveld
Jones, Fred.	West Branch
Jones, John B.	Bouckville
Jones, John J.	Red Creek
Jones, Wm. H.	Bridgewater
Jones, Levi W.	Binghamton
June, Harvey I.	Hornell
Kalin, Martin.	Derby
Kane, John.	Preble
Kaple, Geo. L.	Angelica
Keller, Chas.	Brier Hill
Kellogg, Archie S.	Wells Bridge
Kelly, Sidney A.	Margaretville
Kent, John E.	Greenwich
Kennedy, Thos. W.	North Spencer
Key, Lewis.	Fort Hunter
Keyes, Robert M.	Lisbon
Kills, Chas. F.	Canastota
Kimball, Paul.	Canastota
Kirby, Lewis J.	Sherman

NAME	ADDRESS
Klossner, John	Attica
Knack, Edw.	Montgomery
Knapp, Eddle C.	Cato
Knapp, Elmer	Pierrepont Manor
Knapp, Harold E.	West Moreland
Knight, Henry W.	Walton
Knott, Frank M.	Unadilla
Kochendoerfer, Karl P.	Tloga Center
Kohel, John P.	Alden
Korth, Edward	Freemont Center
Kunzi, Alfred	Rome
Kuykendall, Henry	E. Worcester
Kyser, Worth D.	Frankfort
Lamereaux, Chauncey	Oxford Depot
Lamont, Hugh L.	Valatie
Lare, Floyd	Rocklet
Lauber, Wm.	Rome
Lavery, Thos.	Chateaugay
Lee, John	Tunnel
Lees, Wm. J.	Walden
Leffingwell, Wm. W.	Rosiere
Letson, Geo. A.	Chittenango Sta.
Levine, Solomon	Shavertown
Liebi, C. Alfred	Stokes
Lindgren, Oscar E.	Adams
Lloyd, Arthur A.	Oneida
Lobeck, Wm. L.	Ellicottville
Lockwood, Geo. W.	Ninevah Jct.
Longwell, Geo.	Stevensville
Loose, Geo. H.	W. Winfield
Losen, Geo.	Lowville
Loucks, Ernest	No. Lawrence
Lounsbury, Ira B.	Lacona
Love, John D.	Baldwin Place
Loveland, Edward	Gallupville
Ludd, Clarence O.	Cossayuna
Lund, Samuel P.	Cayuta
Lynch, John	Newburgh
Lynd, Walter V.	Geneva
Lyon, Clifford D.	Belvidere
Mackey, Clinton K.	Middletown
Mabey, Monroe C.	Otego
Makley, Wilson D.	Delhi
Mannings, Henry	Cooperstown
Manns Geo. H.	Stephentown
Mapes, Walter J.	Deansboro
Mapestone, Geo.	Altoona
Martin, Frederick H.	Berkshire
Martin, Walter B.	Phoenix
Mattison, Henry J.	Springville
Mayes, Chester A.	Harpersfield
Maynard, Dexter P.	Erieville
MacArthur, Edwin	Winthrop
McCadam, Geo. M.	Hammond
McCaffrey, Wallace W.	Westville Centre
McClernon, Robert	Wells Bridge
McClure, Thos. H.	Monroe
McDonagh, Edw. B.	Bloomville
McDonald, Elmer B.	De Lancey
McDougall, Henry B.	Beerston
McGraw, Hugh E.	Homer
McKone, John	Mannsville
McLand, Elmer	Kirkwood
McWhorter, Henry	Montgomery
Means, J. Murray	Geneva
Merrill, Edwin B.	Greenwich
Merriman, Hudson B.	Spragueville
Merritt, Chas. L.	Newburgh
Michel, John	Springville
Migdol, Dick	Alpine
Millard, Judson C.	No. Brookfield
Miller, Christian P.	Wallkill
Miller, James R.	Whitesville
Miller, John F.	Sprakers
Mileskey, Fred C.	Fulton
Moak, Benj.	Cobleskill
Moak, Nellis	Coleman Sta.
Moltz, Frank A.	Ava
Monroe, Burrall F.	Freeville

NAME	ADDRESS
Montayne, Arthur.....	Craigsville
Montgomery, Geo. W.....	Deposit
Moore, Edwin L.....	Prattsville
Moore, Lindsley A.....	New Kingston
Moore, Orley J.....	Webster Sta.
Moore, Wm. C.....	Golden Bridge
Morris, Jos. M.....	Liberty
Morse, Floyd J.....	Truxton
Morse, Lynn E.....	Itaska
Mosher, Milton E.....	Sterlingville
Mott, Fay.....	Cortland
Mott, Milford M.....	Cassville
Mowers, C. Seymour.....	Canesteo
Mueller, Maurice.....	Attica
Mulford, Marvin W.....	Jewett
Mulligan, Augustin R.....	Rocklet
Murphy, Dan.....	Pawling
Myers, Howard C.....	Seward
Myers, Stewart.....	Newport
Nash, Frank E.....	Goshen
Nelson, Clare.....	Middle Granville
Nelson, Richmond M.....	Kinderhook
New, Clarence H.....	Cazenovia
Nichols, Warren.....	Portville
Niles, Floyd E.....	Gilbestsville
Norcross, Truman.....	Cowlesville
North, Eugene C.....	High View
Norton, Fred W.....	E. Aurora
Nuspliger, Walter T.....	Castorland
Nutt, Frank M.....	Rouses Point
O'Connor, Dennis N.....	Glenfield
Odermatt, Theophil.....	Strykersville
O'Hare, Lynn.....	Harford
O'Kelly, John.....	Roxbury
Oliver, A. L.....	Washingtonville
Olsen, August M. S.....	Clayton
Oltz, Solomon J.....	West Danby
Osborn, Frank.....	Patterson
Otto, Herman E.....	Legrangeville
Overfield, John.....	Carmel
Overfield, Wilbur.....	Green Haven
Padgett, Elias.....	Harford Mills
Paddock, Fred J.....	Mt. Upton
Paddock, Walter E.....	Westmoreland
Padgett, Riley J.....	Earlville
Paltridge, Harry.....	Modena
Peaslee, Jos.....	E. Springfield
Peck, Geo. C.....	Buffalo
Peck, Leslie Z.....	Cattaraugus
Pett, John L.....	Margaretville
Pendici, Frank.....	East Chatham
Penny, Geo. H.....	Goshen
Perry, Geo. C.....	Guilford Center
Perry, Guy E.....	Guilford Center
Peters, Mat.....	Holland
Pettit, Chas. E.....	Hinsdale
Pettit, Walter R.....	Chautauqua
Petzold, Paul.....	Newport
Phillely, Fred M.....	Windsor
Phillips, Claude H.....	Kenwood
Phillips, Herschell J.....	Little Falls
Pierce, Benj. F.....	Daysville
Plasch, Louis.....	Little Britain
Porter, Chas. L.....	Volney
Porter, Everett.....	Hicks
Porter, George B.....	Tully
Possinger, Alfred F.....	Spencer
Post, Chas. W.....	Bloomville
Potter, Efner E.....	Almond
Pratt, Edward E.....	Johnsonville
Quackenbush, Geo.....	Colliersville
Rabenstine, Jos.....	E. Berkshire
Radel, Austin E.....	Plum Brook
Randall, Ray E.....	Ogdensburg
Razey, Ezek.....	Greenwood
Record, Wm.....	Fort Edward
Redfield, Frank P.....	Adams
Reich, P. V. D.....	Candor
Reynolds, Lincoln E.....	Battenville

NAME	ADDRESS
Reynolds, Wm. T.	Bullville
Richardson, Ray W.	East Venice
Richardson, Wm. N.	Locke
Risley, Willit P.	Waterville
Roache, James, Jr.	St. Johnsville
Roberts, Frank J.	Prospect
Roberts, Herbert J.	North Lawrence
Rock, Bert.	Keeseville
Rogers, Gaylord C.	Lyons Falls
Romer, Geo. A.	Norwich
Ross, Frank W.	Naples
Roth, John.	Lee Center
Roof, John A.	Canastota
Roof, John A.	Canastota
Roos, Ira M.	New Milford
Root, Justin W.	Davenport Center
Rosecrans, Frank.	Lexington
Ross, Mortimore E.	Avon
Rothaupt, Geo.	Feura Bush
Roulston, Stanley C.	Waddington
Rounsvelle, Geo. C.	Groton City
Rowe, Blake.	Kirkwood
Rowland, Elmer W.	Bridgewater
Rowland, John.	Boonville
Ruegesegger, Jacob.	Rome
Ruegesegger, Rosa.	Spencer Settlement
Rupp, Albert.	Bennington
Rupp, Fred.	Sheldon
Rupp, Robert.	Darien Center
Rupp, Rudolph.	Poland Hill
Russell, S. Dana.	Maynard
Ryan, John M.	Vernon
Ryan, Stephen J.	Owego
Saeger, Earl W.	McDougall
Salisbury, Brayton.	Pulaski
Sanford, Scott W.	Margaretville
Sargent, Jay.	Copenhagen
Saunders, B. Fred.	Georgetown
Saule, George A.	Cuyler
Sawyer, Fred.	Eaton
Sayer, Leonard B.	Canastota
Scammell, Walter H.	Lafayette
Schaer, Fred.	Stokes
Schenk, Edward.	New Paltz
Schoonover, Wm. T.	Lestershire
Scobie, Alexander W.	Roscoe
Scott, Geo. E.	Delhi
Scott, Walter D.	Maryland
Searles, Horace.	Byron
Senter, Arthur H.	Canton
Sharp, Frank B.	Hasbrouck
Sharpe, Bert H.	Hermon
Shaw, Chas. M.	Seeley Creek
Shaw, Myron M.	W. Monroe
Shaylor, Enbriam.	Oriskany
Shepard, Will W.	Honeoye Falls
Shields, Edward E.	Akron
Shortledge, Ernest L.	Warsaw
Shumway, John.	Waits
Simmons, Wm. B.	Oran
Simpson, Elon J.	New Paltz
Slms, Jos.	West Leyden
Sixberry, C. Elmer.	Sheburne 4 Corners
Skiff, Edson.	Cherry Creek
Skinner, J. L.	Canton
Sloan, Chas. M.	Moravia
Smith, B. B.	Addison
Smith, Chas. D.	Sheds
Smith, Chas. W.	Craryville
Smith, Daniel J.	Middleville
Smith, Elias.	Triangle
Smith, Eli.	Fonda
Smith, Harry S.	Johnsons
Smith, Harry E.	Atlanta
Smith, James H.	Brownville
Smith, Jay S.	McClure
Smith, John S.	Arcade
Smith, Lewis W.	Burnhams
Smith, Peter.	White Sulphur Spr.

NAME	ADDRESS
Smith, Sydney C.	Genoa
Smith, Wm.	Cameron Mills
Snell, Herbert L.	Ontario
Snell, John E.	Baldwinsville
Snow, Nona C.	Hubbardsville
Snyder, Alonzo C.	Sharon Springs
Snyder, Fay.	Sharon Springs
Snyder, Leslie P.	Ames
Snyder, Wm. F.	Andover
Sollie, Hans O.	Bartlett
Southwell, Geo.	Richfield Spr.
Spaulding, Earl.	Howes Cave
Speed, Robert L.	Slaterville Sps.
Sporie, Geo.	Quaker Hill
Sprague, Wm. B.	Ira Station
Spraker, Jay.	E. Springfield
Squires, Earl.	Funnel
Stabb, Anthony G., Jr.	West Leyden
Stack, Thomas M.	Chenango Forks
Stafford, Delbert L.	Gouverneur
Stahl, John.	Amsterdam
Stanton, Lewis W.	Sugar Loaf
Stannard, Augustus.	Elmira
Stark, Wm. J.	Fair Haven
Stedman, Ashley U.	Weathersville Sps.
Steinhouser, Edw.	Philadelphia
Stevens, Jesse R.	Cortland
Stewart, Frank.	West Exeter
Stillwell, Merton A.	Schenevus
Stillwell, Ray C.	McLean
Stone, Charles.	Oxford
Stooks, John J.	Greenwood
Stoddard, Arthur.	Blossvale
Stoddard, Hiram.	New Haven
Stowe, James H.	Cato
Strong, Lewis R.	Downsville
Studor, Fred.	Port Leyden
Sturges, Wm. G.	Grand Gorge
Sullivan, Cornelius.	Massena
Sutton, Chas. G.	E. Fishkill
Sutton, Wesley J.	Otego
Swackhammer, Morris L.	Hamden
Sweeney, Daniel H.	Cherubusco
Talcott, Wm. N.	No. Lawrence
Tate, Edgar.	Florida
Ten Eyck, Seth A.	Davenport
Terpening, Ora J.	Red Creek
Thompson, Chas. S.	Vernon
Thorne, Wm.	Stamford
Thraves, James W.	Heuvelton
Tilford, Geo. W.	Harpersville
Tompkins, Claude S.	Davenport Center
Tompkins, Sheldon.	Fleischmans
Townsend, Pratt.	Norwich
Trachsel, Ulrich.	Lee Center
Travis, Geo. E.	Worcester
Tremper, Clarence E.	Savona
Tremper, Willis E.	Campbell Hall
Trenham, Frank B.	Black River
Trescott, Walter A.	Livonia
Trude, Olvah A.	Lyons Falls
Tubbs, Andrew.	Fort Miller
Tunnecliffe, Geo.	Portlandville
Turck, Frank.	Holland Patent
Turner, Fred D.	So. Kortright
Turner, Sylvester.	Apulla
Tuttle, Archie B.	Wells Bridge
Tuttle, Fred G.	Gardinier
Tuttle, Sidney L.	Big Flats
Upham, Chas. M.	Lebanon
Vail, Walter C.	Goshen
Van Deveer, Daniel.	Randall
Van Keuren, Chester.	Amenia
Van Loven, Edsall H.	Kerhonkson
Van Slyke, Geo. H.	Mohawk
Vermilyea, Wm. I.	Wingdale
Viall, Elmer D.	Plattsburgh
Villecco, Joe.	Cincinnati
Vosbury, Harry S.	Cassville

NAME	ADDRESS
Wade, Herbert A.	Cortland
Wakefield, Sidney W.	Falconer
Walker, Edw. L.	Otisville
Walker, Vernie B.	Cortland
Wall, Aaron	Stony Ford
Wallace, Carmin G.	Castorland
Wallace, Chester A.	Perryville
Ward, Earl A.	Chittenango
Ward, Edwin P.	Carthage
Warren, Frank S.	Kyserike
Warren, Newell C.	Natural Bridge
Washburn, Claude S.	Clinton Corners
Washburn, Ray D.	Tunnel
Waugh, Leon S.	Deer River
Way, Edward	Ancram Lead Mines
Way, Samuel L.	Schoharie
Webb, William J.	Carthage
Weber, Emil J.	Smiths Basin
Weber, Leslie J.	Franklinville
Weeks, Guy A.	Warsaw
Wehage, Gerhard	Monroe
Weidman, Newton E.	Unadilla
Welke, Jay R.	Greene
Wells, Fred	Triangle
Werner, John H.	Rices
Werren, Louis	Stokes
Whaley, Eugene	Red House
Wheeler, Benj. F.	Ischua
Wheeler, Ralph S.	Dolgeville
White, Ansel M.	Dryden
White, Robert J.	Boston, N. Y.
Whitford, Ira C.	Ancram Lead Mines
Whitford, Henry L.	Wassail
Whitney, Clinton D.	Owego
Widrick, Geo. C.	Lisbon
Wightman, Benj.	Cherry Valley
Wilbur, Hiram R.	Potter Hollow
Wileox, Frank A.	Pattersonville
Wileox, Nelson E.	Sanataria Springs
Williais, Alfred R.	De Kalb Jet.
Williais, Arthur A.	Afton
Williais, Mark L.	Fulton
Willson, Daniel G.	Taberg
Willson, Geo. B.	Camden
Wilmarth, Fay R.	Jay
Wing, Frederick J.	Unadilla Forks
Winsman, Walter	Tribes Hill
Wischusen, Fred G.	Ogdensburg
Wittmeyer, Catherine	Boston, N. Y.
Wolbdarsky, Meyer	Youngsville
Wollaston, Warren T.	Unionville
Wood, Emmet C.	Franklin
Wood, Lemuel C.	Modena
Worden, Frank E.	E. Winfield
Wright, Abner C.	Wellsburg
Wright, Albert B.	Cherry Creek
Wright, Charles E.	Wellsville
Wright, H. E.	Oneonta
Wright, Walter G.	Medusa
Writer, Frank J.	Newark Valley
Wuethrich, Ernest	Cowlesville
Wurst, Frank E.	Lime Lake
Young, Fred D.	Atwater
Young, John D.	Cassville
Young, Walter C.	Earlville
Youngs, Walter	Marathon
Yunker, Albert	Warsaw
Youngberg, Richard W.	Montgomery
Zapf, Chas. G.	Jamison Road

In addition to the bonding and licensing of commission merchants and milk dealers under the provisions of the Agricultural Law herein mentioned, complaints against commission merchants and milk dealers for violation of the law by engaging in business

as such without having first obtained the necessary license and filed the bond required by law, and also complaints on behalf of shippers of farm produce and producers of milk who fail to receive their payments and returns promptly and satisfactorily, are referred in the first instance to this Bureau.

Upon the receipt of such complaints, this Bureau proceeds to make investigations of the same and attempts to secure adjustments and collection of unpaid claims; and failing in this, the Bureau collects the evidence and prepares the cases to be referred to the General Counsel of the Department for submission to the Attorney-General for the purpose of bringing action against the bonding company, and for prosecution for violation of the Law.

The following is a list of complaints which have been received by this Bureau during the last fiscal year, showing date, name of person by whom made, also the nature and disposition of complaint.

COMPLAINT RECEIVED

DATE	COMPLAINANT.	RESPONDENT	NATURE	DISPOSITION
1914				
Oct. 2	Landville Fruit Growers' Association	Commission Merchant.....	No returns.....	Adjusted
Oct. 3	Amato Pippi	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 3	F. B. Payne	Commission Merchant.....	Unsatisfactory settlement.....	Unadjusted
Oct. 8	A. Chilli	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 8	Guiseppi Monfardini	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 8	J. F. Potts	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 8	W. H. Karlake	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued
Oct. 12	J. D. Nash	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Oct. 13	M. J. Du Bois	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 13	Spencer Bros.	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 17	Barnett-Conklin Co.	Commission Merchant.....	No returns.....	Adjusted
Oct. 17	Saunders H. Coons	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 17	P. Loll	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 19	B. Gaub	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Oct. 20	G. L. Chapman	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 22	John S. Gaub	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Oct. 23	J. M. Baker	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued
Oct. 23	L. E. Hibbard	Commission Merchant.....	No returns.....	Adjusted
Oct. 24	B. S. Crapser	Milk Buyer.....	Unsatisfactory settlement.....	Referred to Attorney General
Oct. 24	Moses Slover	Commission Merchant.....	Unsatisfactory settlement.....	Recovered on bond, distribution made
Oct. 24	H. Hulet	Commission Merchant.....	No returns.....	Unadjusted
Oct. 26	George B. Parker	Commission Merchant.....	No returns.....	Unadjusted
Oct. 27	Independent Poultry and Egg Co.	Commission Merchant.....	Unsatisfactory settlement.....	Unadjusted
Oct. 27	Ruth Nichols	Commission Merchant.....	No returns.....	Adjusted
Oct. 30	W. M. Hussey	Commission Merchant.....	No returns.....	Adjusted
Nov. 1	L. A. Weeks	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	H. A. Sommers	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	Vannini Bros.	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	V. Cugna	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	G. D'Altoso	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	M. Frederick	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	P. Biaggi	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	F. Vai	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	F. Bocuto	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	A. F'ochi	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	A. Rosatto	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	D. Rosinardo	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	H. Scabarozzi	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	P. Pontarelli	Commission Merchant.....	No returns.....	Recovered on bond, distribution made
Nov. 1	G. Feretti	Commission Merchant.....	No returns.....	Recovered on bond, distribution made

COMPLAINT RECEIVED — continued

DATE	COMPLAINANT.	RESPONDENT	NATURE	Recovered on bond, distribution made	DISPOSITION
Nov. 1	A. Peretti	Commission Merchant	No returns.	Recovered on bond, distribution made	
Nov. 3	Mrs. J. E. Carter	Commission Merchant	No returns.	Adjusted	
Nov. 3	C. P. Gears	Commission Merchant	No returns.	Adjusted	
Nov. 3	J. W. Thomas	Commission Merchant	No returns.	Adjusted	
Nov. 4	A. Solof	Commission Merchant	Unsatisfactory settlement.	Discontinued	
Nov. 4	A. Solof	Commission Merchant	Unsatisfactory settlement.	Discontinued	
Nov. 11	Simoni Lacombe	Commission Merchant	No returns.	Recovered on bond, distribution made	
Nov. 16	B. S. Crapser	Milk Buyer.	Delinquent.	Adjusted	
Nov. 17	R. F. Chamberlain	Commission Merchant	Unsatisfactory settlement.	Adjusted	
Nov. 24	H. M. Waring	Commission Merchant	No returns.	Adjusted	
Nov. 29	W. H. Brung	Commission Merchant	Unsatisfactory settlement.	Pending	
Nov. 30	John Rupert	Commission Merchant	No returns.	Adjusted	
Nov. 30	B. J. Yager	Commission Merchant	No returns.	Adjusted	
Nov. 30	Raflo & Pagnuigl	Commission Merchant	No returns.	Adjusted	
Dec. 1	Mrs. William Sacket	Commission Merchant	No returns.	Adjusted	
Dec. 3	Cuneo & Barsuglia	Commission Merchant	No returns.	Adjusted	
Dec. 4	James Graham	Commission Merchant	No returns.	Referred to Attorney General	
Dec. 4	Harry H. Canniff	Commission Merchant	No returns.	Recovered on bond, distribution pending	
Dec. 5	W. H. Jones	Commission Merchant	No returns.	Recovered on bond, distribution pending	
Dec. 8	Mrs. George Swartz	Commission Merchant	Unsatisfactory settlement.	Adjusted	
Dec. 8	Alvey Horne	Commission Merchant	No returns.	Pending	
Dec. 8	O. H. Jackson	Commission Merchant	Unsatisfactory settlement.	Unadjusted	
Dec. 10	W. N. Foote	Commission Merchant	Unsatisfactory settlement.	Pending	
Dec. 14	H. W. Grimes	Commission Merchant	No returns.	Adjusted	
Dec. 14	Preston & Jaquish	Commission Merchant	No returns.	Adjusted	
Dec. 15	J. W. Abrams	Commission Merchant	No returns.	Discontinued	
Dec. 16	David L. Balcom	Commission Merchant	Unsatisfactory settlement.	Adjusted	
Dec. 19	E. P. Shoecraft	Commission Merchant	No returns.	Recovered on bond, distribution made	
Dec. 22	C. M. Hobson	Commission Merchant	Unsatisfactory settlement.	Pending	
Dec. 23	J. M. Elkins	Commission Merchant	Unsatisfactory settlement.	Discontinued	
Dec. 23	J. M. Elkins	Commission Merchant	Unsatisfactory settlement.	Pending	
1915					
Jan. 2	Leon Brothers	Commission Merchant	No returns.	Unadjusted	
Jan. 2	C. Sanguinetti	Commission Merchant	No returns.	Pending	
Jan. 8	Mrs. A. Bonser	Commission Merchant	Unsatisfactory settlement.	Adjusted	
Jan. 8	Marlin Le Shure	Commission Merchant	Unsatisfactory settlement.	Discontinued	
Jan. 11	W. A. Walls	Commission Merchant	No returns.	Recovered on bond, distribution pending	
Jan. 14	T. J. Melvin	Commission Merchant	No returns.	Adjusted	
Jan. 15	C. J. Hulsart	Commission Merchant	Unsatisfactory settlement.	Adjusted	
Jan. 16	B. H. Fernyer	Commission Merchant	No returns.	Recovered on bond, distribution pending	
Jan. 19	Fred A. Fling	Commission Merchant	No returns.	Recovered on bond, distribution pending	
Jan. 19	R. B. Shoen	Commission Merchant	Delinquent.	Adjusted	
Jan. 20	H. R. Gordon	Milk Buyer.	Unsatisfactory settlement.	Unadjusted	
Jan. 20	W. B. Cadv	Commission Merchant	Unsatisfactory settlement.	Pending	

Jan. 20	J. F. Smith.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending	Pending
Jan. 20	F. L. Mitchell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 22	S. W. Frew & Son.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 22	G. M. Merritt.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending	Pending
Jan. 22	M. Kaufman.....	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued	Discontinued
Jan. 22	M. Kaufman.....	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued	Discontinued
Jan. 22	H. N. Wells.....	Commission Merchant.....	No returns.....	Adjusted	Adjusted
Jan. 25	Joseph G. Cropper.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 25	Mott Cropper.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 25	King Lewis.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 25	Harry Mitchell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 25	John Parker.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 25	H. B. Parish.....	Commission Merchant.....	No returns.....	Adjusted	Adjusted
Jan. 25	Charles Foster.....	Commission Merchant.....	No returns.....	Unstained	Unstained
Jan. 26	William H. Aylottie.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	P. W. Davis.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	Thomas W. Hastings.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	M. Timmins.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	Joshua A. Baker.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	Ida M. Bratten.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 26	C. E. Turner.....	Milk Buyer.....	No returns.....	Adjusted	Adjusted
Jan. 27	C. J. Dale.....	Commission Merchant.....	Unsatisfactory settlement.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 27	Duane Vickery.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 27	Webster Burlew.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 27	Marlin Malzinsky.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 27	A. F. Packard.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 27	Van Liew Ten Eyck.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 28	E. S. Seguire.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 28	Amos Bowne.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 30	W. S. Cooper.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Jan. 30	C. E. Bishop.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 1	Henry E. Gilbert.....	Milk Buyer.....	Delinquent.....	Adjusted	Adjusted
Feb. 1	C. G. Hall.....	Milk Buyer.....	Delinquent.....	Adjusted	Adjusted
Feb. 1	D. H. Short.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 1	John Ott.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 1	Clark Schell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 2	E. G. Bounds.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 2	H. M. Hopkins.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 2	A. C. Ladd.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 3	H. C. Frazier.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 3	R. D. Merritt.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 5	C. M. Willis.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending	Pending
Feb. 5	C. G. Jones.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 5	J. G. Jones.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending	Recovered on bond, distribution pending
Feb. 5	Mrs. Elbert Trice.....	Commission Merchant.....	No returns.....	Adjusted	Adjusted
Feb. 5	H. F. Byrd.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted	Adjusted

COMPLAINT RECEIVED — *continued*

DATE	COMPLAINANT	RESPONDENT	NATURE	DISPOSITION
Feb. 5	Ike Jackson	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Feb. 5	Martin & Allen.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Feb. 6	Anthony Ayers.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	Joseph H. Bartlett.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	W. Dornton.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	S. E. Elliott.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	C. H. Fairbank.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. C. Harrison.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. C. Leonard.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	E. V. Mulikan.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. P. Mulikan.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	W. W. Pardee.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	David Pyper.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	Mary L. Rathell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. F. Rollinson.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	S. J. Sewell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	W. H. Sewell.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	W. J. Shortall.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. P. Stafford.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. W. Sullivan.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	Perry Taylor.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	Leo Thume.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	Otto Thume.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	J. M. Tuil.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	A. T. Warner.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	T. H. Willis.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	G. W. Bowersox.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	A. Bridges.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 6	W. R. Gardner.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 8	E. B. Bowersox.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 8	Ida L. Ledmun.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 8	H. L. Ledmun.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 8	Vosburg & Wescott.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 9	Lily M. Adams.....	Commission Merchant.....	No returns.....	Adjusted
Feb. 9	Thomas Quimby.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 9	W. E. Hahn.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 9	A. I. Kelsey.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 9	J. K. Massey.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 9	Patrick Craddock.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 11	H. Brown.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 11	P. C. Stoops.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 12	C. L. Craig.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 12	E. E. Parker.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending

Feb. 13	R. H. Barnes.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 13	H. E. Hammond.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 13	Minnie M. Morgan.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 15	M. F. Seward.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 15	E. H. Menzel.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 18	R. J. Dawson.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 19	E. J. Farley.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 19	G. T. Fairbanks.....	Milk Buyer.....	Delinquent.....	Pending to Attorney General
Feb. 20	F. W. Bush.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 22	R. Hamilton.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 23	J. H. Lemax.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 23	Harvey L. Rice.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 23	C. W. Wood.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 24	Maggie B. Fairbank.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Feb. 25	E. Burton.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 3	W. H. Hall.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 4	M. H. Dillenbeck.....	Milk Buyer.....	Delinquent.....	Adjusted
Mar. 5	J. G. Slaughter.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 8	Nixon Bros.....	Commission Merchant.....	No returns.....	Discontinued
Mar. 8	Nixon Bros.....	Commission Merchant.....	No returns.....	Adjusted
Mar. 15	Capt. R. C. McLane.....	Commission Merchant.....	No returns.....	Pending
Mar. 15	Mrs. A. Nunemaker.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 18	S. W. Cox.....	Commission Merchant.....	No returns.....	Discontinued
Mar. 18	J. P. Van Ness.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Mar. 18	E. S. Dowse.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Mar. 18	Alvey Horne.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending
Mar. 20	H. Steele.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 23	E. W. Hopkins.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
Mar. 25	George A. Kaab.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Mar. 29	J. Morgan.....	Commission Merchant.....	No returns.....	Pending
Apr. 2	A. E. LaMay.....	Commission Merchant.....	No returns.....	Pending
Apr. 3	H. Tewes.....	Commission Merchant.....	No returns.....	Pending
Apr. 8	Isle of Pines Fruit Growers Exchange.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending
Apr. 10	W. T. Washburn.....	Milk Buyer.....	Delinquent.....	Adjusted
Apr. 12	Isaac Little.....	Commission Merchant.....	No returns.....	Pending
Apr. 15	S. W. Frew & Son.....	Commission Merchant.....	No returns.....	Referred to Attorney General
Apr. 16	Frank Mattison.....	Milk Buyer.....	No returns.....	Pending
Apr. 19	J. J. Jordan.....	Commission Merchant.....	No returns.....	Pending
Apr. 19	Feilchenfeld & Aaron.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending
Apr. 21	Karl Rehfuess.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Apr. 23	C. D. Huxtable.....	Milk Buyer.....	No returns.....	Referred to General Counsel
Apr. 24	Medsker Produce Company.....	Commission Merchant.....	Unsatisfactory settlement.....	Referred to General Counsel
Apr. 26	C. W. Bennett.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Apr. 26	Chas. Dicker.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
Apr. 26	Fred k Schulmeister.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending

COMPLAINT RECEIVED — *concluded*

DATE	COMPLAINANT.	RESPONDENT	NATURE	DISPOSITION
May 3	F. B. Ridgeway.....	Commission Merchant.....	No returns.....	Referred to General Counsel
May 6	Mrs. C. M. Hicks.....	Commission Merchant.....	No returns.....	Pending
May 6	C. W. Wright.....	Commission Merchant.....	No returns.....	Recovered on bond, distribution pending
May 14	L. H. Hewitt.....	Commission Merchant.....	No returns.....	Referred to General Counsel
May 14	L. W. Read.....	Commission Merchant.....	No returns.....	Pending
May 14	F. A. Reynolds.....	Commission Merchant.....	No returns.....	Adjusted
May 14	J. D. Rogers.....	Commission Merchant.....	No returns.....	Adjusted
May 24	Carrie Brierly.....	Commission Merchant.....	Unsatisfactory settlement.....	Unsatisfied
May 26	S. W. Hoyer.....	Commission Merchant.....	Unsatisfactory settlement.....	Pending
May 27	Fred W. Wilkey.....	Commission Merchant.....	No returns.....	Adjusted
May 27	F. W. McCulley.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
May 31	A. F. Cleveland.....	Milk Buyer.....	Unsatisfactory settlement.....	Adjusted
May 31	James Wickham.....	Commission Merchant.....	Unsatisfactory settlement.....	Adjusted
June 3	John Porteous.....	Milk Buyer.....	Unsatisfactory settlement.....	Adjusted
June 5	M. H. Dillenbeck.....	Milk Buyer.....	Delinquent.....	Adjusted
June 6	C. W. Miller.....	Commission Merchant.....	No returns.....	Adjusted
June 10	James Henry.....	Milk Buyer.....	Delinquent.....	Adjusted
June 11	C. N. Codner.....	Commission Merchant.....	No returns.....	Referred to Attorney General
June 14	W. R. Bett.....	Commission Merchant.....	No returns.....	Referred to General Counsel
June 16	Mrs. Anna Daley.....	Milk Buyer.....	Unsatisfactory settlement.....	Discontinued
June 17	C. F. Corey.....	Milk Buyer.....	Delinquent.....	Adjusted
June 23	C. B. Watson.....	Commission Merchant.....	No returns.....	Pending
June 26	Scott Hitt.....	Commission Merchant.....	No returns.....	Adjusted
June 28	Arthur Sydney.....	Milk Buyer.....	Delinquent.....	Adjusted
June 29	M. H. Sutton.....	Commission Merchant.....	Unsatisfactory settlement.....	Referred to General Counsel
June 29	Alvey Horine.....	Milk Buyer.....	Delinquent.....	Adjusted
July 1	J. B. Allen.....	Commission Merchant.....	Delinquent.....	Adjusted
July 1	E. G. Davies Co.....	Commission Merchant.....	No returns.....	Referred to Attorney General
July 1	E. G. Davies Co.....	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued
July 3	F. E. Davis.....	Commission Merchant.....	Fraudulent dealing.....	Discontinued
July 3	Morrisville Dairying Association.....	Commission Merchant.....	No returns.....	Adjusted
July 6	C. A. Palmer.....	Milk Buyer.....	Delinquent.....	Adjusted
July 6	C. A. Palmer.....	Commission Merchant.....	No returns.....	Adjusted
July 8	Mrs. F. A. Bailey.....	Commission Merchant.....	No returns.....	Adjusted
July 8	A. R. Graves.....	Commission Merchant.....	No returns.....	Adjusted
July 8	Mrs. C. H. Gilchrist.....	Commission Merchant.....	No returns.....	Adjusted
July 12	Minetto Milk Association.....	Commission Merchant.....	No returns.....	Adjusted
July 19	Meyer Goldman.....	Milk Buyer.....	Delinquent.....	Adjusted
July 20	Sylvanus Paterson.....	Commission Merchant.....	Unsatisfactory settlement.....	Unsatisfied
July 21	D. F. Arnold.....	Commission Merchant.....	No returns.....	Pending
July 21	A. R. C. Mallet.....	Commission Merchant.....	No returns.....	Adjusted
July 23	George Williams.....	Commission Merchant.....	No returns.....	Referred to General Counsel
July 24	Mrs. W. M. Hussey.....	Commission Merchant.....	No returns.....	Referred to General Counsel
July 27	G. W. Scott.....	Commission Merchant.....	No returns.....	Pending
				Adjusted

July 23	Haytakah Cheese Factory.....	Commission Merchant.....	No returns.....	Pending
July 30	Alvey Horine	Commission Merchant.....	Unsatisfactory settlement.....	Unsustained
Aug. 5	E. Van Dorn.....	Commission Merchant.....	No returns.....	Adjusted
Aug. 5	Mrs. W. I. Smith.....	Commission Merchant.....	No returns.....	Referred to General Counsel
Aug. 10	Corbin & Handy.....	Commission Merchant.....	Unsatisfactory settlement.....	Unsustained
Aug. 22	J. D. Lyons.....	Milk Buyer.....	Delinquent.....	Pending
Aug. 23	M. M. Sweet.....	Commission Merchant.....	Unsatisfactory settlement.....	Unsustained
Aug. 24	D. H. Dunham.....	Commission Merchant.....	No returns.....	Adjusted
Aug. 28	N. A. Boulton.....	Milk Buyer.....	Delinquent.....	Unsustained
Sep. 2	M. Wolf	Commission Merchant.....	Unsatisfactory settlement.....	Unsustained
Sep. 3	Anthony & Jones Company.....	Commission Merchant.....	Illegal business.....	Unsustained
Sep. 9	E. B. Roselle.....	Commission Merchant.....	Illegal business.....	Unsustained
Sep. 11	J. Ingersoll, Jr.....	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued
Sep. 11	Guy Shook	Commission Merchant.....	No returns.....	Adjusted
Sep. 15	S. C. Potter.....	Milk Buyer.....	Illegal business.....	Referred to Attorney General
Sep. 20	L. H. Stone.....	Commission Merchant.....	No returns.....	Adjusted
Sep. 24	Bank of Kline.....	Commission Merchant.....	Unsatisfactory settlement.....	Discontinued
Sep. 29	A. Crowder	Commission Merchant.....	No returns.....	Pending
Sep. 29	F. B. Haskell.....	Commission Merchant.....	No returns.....	Pending

Total number of Complaints received..... 278

COMPLAINTS RECEIVED

It will be understood that the work of this Bureau involves a large amount of correspondence in and about the examination and correction of applications for licenses and bonds, the approval or rejection of the same, the examination of letters received from references given by applicants, the examination of commercial agency reports, the financial statements, and other data submitted by applicants, for the purpose of determining whether licenses should be granted in particular cases.

The handling of complaints referred to this Bureau involves, in many cases, special investigations by the agents of the Department, the collection of evidence in each particular case, correspondence with complainants and witnesses, and the arranging for and conducting of preliminary hearings.

It is the purpose of this Bureau to take care of all complaints submitted to it as expeditiously as possible, and it is but fair to say that in the great majority of cases the utmost satisfaction has been expressed by all parties interested regarding the manner in which their claims have been handled by this Department.

The consensus of information received through contact and correspondence with persons whose interests have been most directly affected by the work of this Bureau, shows that the statute under which it was organized and the ends and purposes which it seeks to accomplish have the fullest appreciation and approval of the agricultural interests of the State.

REPORT OF THE BUREAU OF FARM LANDS AND STATISTICS

By CHARLES W. LARMON, *Chief*

The work of this Bureau during the fiscal year, judged by the results accomplished, has been highly successful and satisfactory. A constantly increasing desire for information concerning agricultural conditions and opportunities in this State is noted, and there was a large increase in the number of farms sold to people from other sections of the country. There were 3,869 people, including 86 families, secured and sent to the farmers of the State during the year. There were 475 farms reported sold during the year as a result of the advertising through the bulletins, "Farms for Sale or Rent in New York," and "Agricultural Advantages of the Empire State." The average price asked for the farms sold was \$5,833 each, making a total for the 475 farms of \$2,770,675. A large number of farms not described in the Department bulletins were sold indirectly as a result of this advertising, of an estimated value of \$1,500,000. Twenty-three thousand five hundred copies of the bulletin, "Farms for Sale or Rent in New York," five thousand copies of "Agricultural Advantages of New York," and fifteen thousand copies of other department publications were forwarded to all parts of the country upon request of those desiring special information concerning the agricultural opportunities of the State. At least one-third of these inquiries came from Scandinavians and Germans who came to the United States as immigrants and located in the West and Northwest, but who now desire to change their location to one where land is lower in price, where there are good schools, good social conditions, good highways, good shipping facilities, and good markets. Sales of farms for several years have been greatest in the western and southern portions of the State, but the past year shows greater activity in that line in all portions of the State. Those desiring to engage in fruit growing and general farming desire locations where

those lines are most developed and show best results; and naturally, those desiring to engage in dairying and the production of vegetables, seek the sections of the State best adapted to their purposes; and this Bureau has endeavored to direct the newcomers to such sections. Firmness in values of farm lands is noted in all portions of the State, but the greatest increase in values has taken place in the western section and along the Hudson river. Farm owners in this State realize that with proper cultivation their lands will produce crops equal to those raised in sections of the country where land prices are much higher, and they can see no reason for the great disparity in land prices now existing. The average value per acre of New York State crops of corn, hay, oats, and potatoes, show that this State stands far in advance of any of the great farming states of the West:

STATE	AVERAGE VALUE PER ACRE	
	CORN, OATS	HAY, POTATOES
New York	\$32.86	
Ohio	25.76	
Iowa	24.30	
Indiana	22.57	
Michigan	22.71	
Kansas	21.16	
Nebraska	20.16	
Illinois	19.85	
Minnesota	19.35	
Wisconsin	19.35	
Missouri	16.70	

These figures are taken from the recent reports of the United States Department of Agriculture, and indicate the great advantage that the New York State farmer possesses over those of practically all other portions of the country. A large number of farms that have been sold during the year at prices ranging from \$30 to \$60 per acre would have brought in the Central West from \$150 to \$250 per acre, the saving in interest on the investment making in itself a good annual profit. Correspondence has been carried on with prospective farm buyers residing in all parts of the United States, Canada, the Canal Zone, and many foreign countries, and, but for the stringency in the money market that has prevailed for the last two years or more, farm sales would have doubled in this State.

The State needs more and better farmers, and the only way to reach such people is through advertising in the public press.

We believe that it will be greatly to the advantage of the Department and the State to expend a considerable sum for this purpose during the coming year. Correspondence has been carried on with the Scandinavians and Germans who have during the past few years purchased farms in this State, and their letters indicate that the change has been a decided advantage to them and they express general satisfaction with all conditions.

During the early fall of 1914, a train was fitted up by the New York Central Lines and this Department for the purpose of advertising the agricultural and horticultural advantages of this State along the lines of that company. This train consisted of three cars, one of which exhibited the principal grains, fruits, forage, and vegetables produced in the State, also the literature issued by this Department for general distribution. Another car was loaded with apples, donated by the fruit growers of Western New York, to be distributed free along the route; the third car was used for the representatives of the Department and the Railroad company.

Great interest was manifested throughout the whole route by the farmers of the vicinity, who visited the train in large numbers. Each visitor carried away a sample of New York State apples, with the result that, within a few weeks from that time, practically every station along the route traversed was purchasing New York apples by the carload. Up to the middle of December, Terre Haute had received 263 carloads and Indianapolis nearly 500. The advertising done by this train materially assisted in finding a market for the great apple crop raised in this State that year. Several tons of literature was distributed along the route. Many of the young men who visited the train, especially those who were renting farms, expressed their intention of thoroughly investigating conditions in this State. They have already done so, and a large number of them have purchased farms here. There seemed to be a general lack of information concerning agricultural production and possibilities, especially of the great markets possessed by the farmers of this State.

There is considerable inquiry from capitalists concerning sections where contiguous farms can be purchased, in order to establish large stock farms. Undoubtedly within a few years the

cheaper hill lands of the State, much of which is lying idle at present, will be utilized for the purpose, and soon be restored to the high-producing capacity that they originally possessed. The fine old houses and large barns upon many of these farms indicate the old-time fertility and productiveness of these farms; but the call of the city attracted the young people in such large numbers that existing conditions became inevitable.

The United States census taken in 1909 showed a value in general crops produced in this State of \$209,168,000. Increase since that time, both in quantity produced and value as shown by market reports, indicate a valuation of the 1915 crops of \$266,146,000, a gain of \$56,978,000 in the six years. During the same period the value of all cattle, considered as common stock, had increased from \$83,000,000 in 1909 to \$124,600,000 in 1915, an increase of \$41,600,000. Other domestic animals also show a very decided increase in value during the period. Conservative estimates of the value of certain crops produced upon the farms of this State during the present year as compared with the United States census figures of 1909 are as follows:

	1909	1915
1. Cereals	\$43,099,198	\$58,530,940
2. Other grains and seeds.....	3,969,022	5,250,000
3. Hay and forage.....	77,360,645	93,912,800
4. Vegetables	36,309,544	45,000,000
5. Fruits and nuts.....	24,900,491	33,192,500
6. All other crops.....	23,528,546	30,500,000
	<u>\$209,168,236</u>	<u>\$266,396,240</u>

The total value of crops and live stock sold from farms, also animal and forest products in 1915, is as follows:

Crops as above.....	\$266,396,240
Dairy products	120,000,000
Meat products and live stock sold from farms.....	58,391,316
Forest products	15,000,000
Poultry and eggs.....	30,000,000
Wool	1,500,000
Honey and wax.....	500,000
	<u>\$491,787,556</u>

This statement does not include increased value in registered cattle, in which this State predominates.

FARM LABOR

The work of securing and furnishing laborers has been satisfactory both to the farmers and to the Department. As many manufacturing plants were lying idle, industrial conditions at the beginning of the year were somewhat discouraging; and, in order to secure work, thousands of their employees drifted into the country from whence they originally came, and sought farm work. The local supply in many sections of the State was sufficient, but in other sections a large number was needed, and as before stated, 3,869 people were secured and shipped. The quality of help secured was much better than it had been in many previous years. This satisfactory condition may be attributed to a considerable extent to the greater experience on the part of the employees of this Department, in making selections.

The total of those secured during the ten years in which this work has been carried on aggregate more than 50,000, and many of the people sent out have remained in the sections to which they were sent and continue work along agricultural lines. A number of them have been able to save a sufficient amount of their earnings to purchase farms, and those who have found satisfactory positions have invariably written to friends and relatives, who have often followed them, and in some sections sufficient help for the community has been provided in this way. Since the outbreak of the war in Europe, immigration to this country has almost ceased; thus, with the large numbers who have returned to their old homes to participate in the war, the scarcity of labor in many lines is already being acutely felt. Manufacturing plants of all kinds are again resuming their normal activities and wages are being advanced, and such conditions invariably result in a scarcity of farm labor.

A recent session of the Legislature enacted a law creating employment agencies in the Department of Labor and Compensation. Offices of this character have been opened in New York City, Albany, and other cities, duplicating the work of this Department in that line to a considerable extent. The Federal government has also created a Division of Distribution, for immigrants and laborers generally. The duplication of this service creates an additional expense to the State which is unnecessary,

and, as the new undertaking covers all classes of labor, while the work of this Department contemplated only agricultural labor, it would seem advisable that the furnishing of farm labor by this Department be discontinued. We would recommend that Mr. J. Van Folker, who has been connected with this work ten years, and had immediate charge of the branch office in New York City, be employed by the Department of Labor and Compensation, and placed in immediate charge of the selection and shipping of agricultural laborers in New York City. Such action would meet the approval of thousands of farmers who are acquainted with Mr. Van Folker's successful work in this line, and we believe that his services are of such value to the State that he should be retained, if possible. The number of farm laborers furnished each month during the fiscal year is as follows:

1914	
October	269
November	161
December	118
1915	
January	129
February	148
March	232
April	470
May	412
June	445
July	466
August	510
September	509
Total	3,869

The nationalities of these laborers and the number of each are shown in the following table:

Irish	784
Germans	635
Swedes	597
Americans	412
Danes	226
Norwegians	204
Hollanders	187
Finnish	147
Polish	137
Austrians	121
Swiss	99
French	64
Russians	57
English	42
Scotch	38

Belgians	26
Canadians	26
Hungarians	20
Italians	14
Welsh	13
Spaniards	9
Roumanians	5
Luxemburgers	3
Greek	2
Cuban	1
<hr/>	
Total	3,869

REPORT OF BUREAU OF FARMERS' INSTITUTES

By EDWARD VAN ALSTYNE, *Director*

The work of this Bureau during the last four months of the fiscal year, ending September 30, 1914, was materially curtailed for lack of sufficient funds. This necessitated the abandonment of considerable of the "follow-up" work, much to the disappointment of those who had expected to receive it. It also materially and seriously interfered with some lines of experiments which had been in operation for two years, and should continue for a year or two more to reach satisfactory conclusions. Some of the most important of these were saved by Mr. D. P. Witter, who voluntarily carried them on without compensation. The cow-testing work was likewise affected. Serious handicap was avoided by assistance from the funds of the Cooperative Bureau. It was with much regret that the Director for the same reason was obliged to deny requests of farm bureau managers for cooperative work, and of granges, farmers' clubs, and other local organizations for lectures and demonstration work, such as they had hitherto received. Only by the assistance of the farm bureau managers was it possible to hold the county conferences to arrange for institutes and to perfect local arrangements. These conditions are emphasized that the contrast between the figures given this year and last may be accounted for.

With much satisfaction the work has been again taken up since the Governor approved the legislative appropriation in the supply bill for the maintenance of the work in its various lines, without which all such must have come to a standstill.

Aside from the above limitations, the work has been eminently successful from the standpoint of both the workers and those receiving it, as manifested in the reports, personal letters and word-of-mouth expressions of appreciation. A few more institutes were held than during the year preceding, with an average attendance slightly increased; this in spite of the fact that an increased number of the institutes have been held in small hamlets.

Attention is particularly called to the detailed report of the women's work. Never has it been so well systematized, nor has the force been so efficient and so well adapted to meet the needs of rural life, and never has this work been received with like favor. No phase of the various lines of the work carried on by this bureau has given greater returns, or promises more for the future. After more than a decade of honest endeavor along this line, the women's home work is now firmly established, and occupies a place in no way second to that pertaining to the farm. The system of reports of rural conditions, by the women workers, has given a detailed knowledge of matters pertaining to rural life in the various parts of the State, as well as the names of local workers, which will admit of more efficient service along this line than ever before. As soon as the way is clear a woman assistant will be installed in charge of the women's work, thus prosecuting it with more intelligence and vigor. Some special work of this sort has already been done. Mrs. Harrington having visited five sections where institutes had been held, continuing and extending the work.

The Agricultural College, Experiment Station, secondary schools, Conservation Commission, Syracuse State College of Forestry, and the State Education Department, have given freely of their best in the furtherance of the work. State Entomologist Felt, in cooperation with this Bureau, has undertaken a series of experiments in combating the codling moth in Monroe, Orleans, and Niagara counties, details of which will be presented a year hence.

The close relations between the institutes and farm bureaus have not only been maintained but strengthened. In January last, Hon. Calvin J. Huson placed the farm bureau work, as it relates to the State Department of Agriculture, in charge of this Bureau, which has helped to "strengthen the cords and lengthen the bands."

As shown under the special divisions of this report, the cow-testing work, farm bulletins, State Fair exhibit, individual correspondence, have all been maintained, and their scope and efficiency enlarged.

The Bureau was represented at the National Dairy Show at Chicago by Mr. D. P. Witter. The National Association of Farmers' Institute Workers at Washington, D. C., was attended by Director van Alstyne, by two of the women workers, Mrs. Ida S.

Harrington and Mrs. Rose Morgan, and by Professor Tuck of Cornell. The latter three acquitted themselves with great credit to themselves and their State, the Director being chairman of the Executive Committee. The Bureau has also had representatives at the New York State Fruit Growers' Association meeting, and the New York State Dairy and Breeders' meeting, and has assisted with the Farmers' Week programs at Morrisville, Alfred, and Canton.

One of the meetings which deserves special attention is the Normal Institute, which was held at Geneva, and occupied three days, November 16, 17, and 18, 1914, one day including, besides the general session, a special conference for women workers. Thirty-four speakers addressed the institute, covering various phases of and connected with agriculture, and several profitable discussions were held. The Normal report which is printed in detail in Bulletin 74. Part I, contains much definite, up-to-date agricultural information, and furnishes the foundation of instruction given by Farmers' Institute workers and farm bureau managers. It is based on the research work of experiment stations and is in harmony with the teachings of our colleges and agricultural schools. The reports of instruction given from year to year in these Normal institutes marks the progress of agricultural thought, and, being thus preserved, should be a valuable contribution to our agricultural literature.

Following the usual custom of devoting some space to agricultural information in addition to that given at the Normal Institute, there is given in full, in Bulletin 74, Part II, the entire program of the Farmers' Day Meeting at Albion, N. Y., as presenting in the lectures and discussions a wealth of information on the fundamentals of agriculture—the soil and its treatment, live stock, poultry, farm crops, horticulture and topics related thereto, as well as matters pertaining to markets, rural life, and the home. This also typifies the form and character of the matter presented at the institutes.

In all this work, the endeavor has been made as always to avoid the spectacular and revolutionary, and to adhere to the principles of evolution. This means gradually eliminating the useless and obsolete, and as gradually building in the useful and progressive, thus serving the State by an endeavor to maintain and elevate to

the highest the standards of citizenship as well as of agriculture, appreciating that without the former the latter can never be obtained. The accomplishment of this can be brought about only by an appreciation and adherence to the principle laid down by Disraeli — "The secret of success is constancy to purpose."

REGULAR INSTITUTE WORK

With an appreciation of the fact that the holding of institutes is the chief function of the Farmers' Institute Bureau, every effort was made to keep this part of the work up to the standard of previous years, even though other lines of work had to be curtailed owing to lack of funds. In most of the counties the demand for meetings was much greater than the days allotted. In an endeavor to meet this call, twenty-one more meetings, aggregating thirty-six sessions, were held than during the previous year. That these meetings were appreciated is evidenced by the fact that the attendance shows an increase of 3,529 over the previous year. The average per session was also slightly higher.

Thirty places were visited where no meetings of the kind had been held before. Strange as it may seem, after a quarter of a century of institutes, at these meetings were a goodly number of those who had never attended a farmers' institute, a large portion of whom were brought for the first time in touch with what may be termed advanced agricultural thought and practice, or scientific agriculture.

An increased emphasis was put on the subject of farm management, a proper understanding of which is necessary to real agricultural success no matter what the line of farming.

WOMEN'S WORK

Except in a very few places, a woman worker made one of the corps. Two hundred and eighty-eight special women's sessions were held. So popular have such sessions become that one will be held the coming season in connection with each institute. Two hundred and ninety-one lectures on topics relating to the home were given by the women workers at the regular sessions.

Each woman worker sent in a report from each place visited, on a blank prepared for the purpose, showing the topics discussed,

attendance, and matters having particular reference to the meeting. This report also shows local conditions of the homes and environments, as indicated by the following blank:

STATE OF NEW YORK — DEPARTMENT OF AGRICULTURE

FARMERS' INSTITUTES — SEASON 1914-1915

REPORT OF WOMEN'S WORK IN FARMERS' INSTITUTES

Date..... County.....
Place..... Lady in Charge.....

ATTENDANCE

Special Women's Sessions: First..... Second.....
Attendance of women at regular sessions of Institute:
First..... Second..... Third.....

SUBJECTS DISCUSSED BY LADY SPEAKER

.....
.....
.....
.....

GENERAL REMARKS

.....
.....
.....
.....
.....
.....
.....

GENERAL CONDITIONS

Appearance
.....
.....
.....
.....

Church . . . . .	.....
Organizations . . . . .	.....

EDUCATIONAL CONDITIONS

Schools . . . . .	.....
Nature Study . . . . .	.....
Music . . . . .	.....
Health . . . . .	.....
Library . . . . .	.....

HOME CONDITIONS

Social and Moral . . . . .	.....
Equipment . . . . .	.....
Sanitation . . . . .	.....
Recreation . . . . .	.....
Local Leader . . . . .	.....
Address . . . . .	.....

This information will materially assist in rendering more efficient service to the places in the future.

By request of the local people, Mrs. Harrington spent nine days in re-visiting places where she had been at institutes, extending the work in much more detail than was possible in a single session. Only lack of funds prevented much more work of like character.

The following list of questions prepared by a committee of women workers were sent in advance to the institute, and were used in the special women's sessions.

HOME TOPICS

Sanitation:

1. What is the first necessity in rural sanitation?
2. What is the safest way of disposing of household waste?
3. Can an earth closet be made safe?
4. What can be substituted for it?
5. Why are flies dangerous as well as annoying?
6. Is night air dangerous?
7. Are draughts dangerous?
8. How does ventilation affect health?

Health:

9. What types of disease are strictly preventable?
10. Are so-called children's diseases preventable?
11. Is it dangerous to take the breath of a person having tuberculosis or diphtheria?
12. Are colds contagious?
13. Is an unpleasant odor—as sewer gas or coal gas—a menace to health?
14. May headaches be caused by eye-strain?
15. Is there a safe headache remedy?
16. What are some of the rules for good health?

Personal Hygiene:

17. What is the best material for winter underwear?
18. What is the difference in effect between a hot and a cold bath?
19. Why is a clean mouth conducive to health?
20. Should a housekeeper take "time off" every day?

Care of Children:

21. What is the best substitute for mother's milk?
22. Is it wise to feed babies on artificial foods?
23. How long should the child have a daily bath?
24. Do irregular habits of eating and sleeping cause nervousness in children?
25. Should young babies be amused?
26. Is it safe to give babies "tastes" from the family table?
27. Should children be allowed to drink coffee or tea?
28. What constitutes a good school lunch?
29. Does candy injure the child's teeth?
30. Is water a necessary part of the child's diet?
31. Is it safe to give children patent medicines?

Food Preparation:

32. What are the general rules that govern the cooking of (a) meats, (b) eggs, (c) starchy foods, (d) vegetables?
33. What are the points in judging a loaf of bread?
34. Is it desirable to use commercial canning powders?
35. What foods are good substitutes for meat?

Equipment:

36. How do you make and use a fireless cooker?
37. What is the test of a good broom?
38. Is there a practical dish-washing machine for the private home?
39. Is paper-bag cookery practical?
40. Are paper towels, paper dish-cloths, etc., a good investment?
41. What are some of the best finishes for kitchen walls and floors?
42. Are vacuum sweepers better than the ordinary carpet sweeper?
43. Can "dustless dusters" be made at home?

INSTITUTE WORK, JUNE 15, 1914, TO JUNE 14, 1915. INCLUSIVE

REGULAR INSTITUTES

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SEN- SIONS	AT- TEND- ANCE	AVER- AGE PER SESSION
ALBANY:		1915	18	1,094	61
Coeymans Hollow. . .	Fred R. McCarty.	Jan. 7	3	158	53
Delmar.	S. V. B. Haswell.	Jan. 6	3	232	77
Guilderland Center. . .	Wm. B. Mynderse.	Jan. 5	3	181	60
Medusa.	C. J. Waldron.	Dec. 1	3	228	76
Rensselaerville.	H. H. Bates.	Dec. 2	3	124	41
Voorheesville.	R. H. Rockwell, Altamont, R. D. 3.	Jan. 4	3	171	57
			23	2,446	106
ALLEGANY:					
Almond.	I. D. Karr.	Feb. 23	3	269	90
Angelica.	Geo. E. Shaw.	Feb. 19	3	262	87
Bolivar.	E. J. Phillips.	Feb. 16	3	174	58
Canaseraga.	Frank W. Coombs.	Feb. 20	3	253	84
Caneadea.	Chas. V. Mix, Fillmore, R. D. 2.	Feb. 15	3	386	129
Friendship.	D. P. Barnes.	Feb. 17	3	316	105
Scio.	Geo. M. Reynolds, Scio, R. D. 1.	Feb. 18	3	366	122
Whitesville.	J. C. Crittenden.	Feb. 25	2	420	210
BROOME:			16	915	57
Deposit.	Geo. W. Flower.	Jan. 4	3	78	26
Harpursville.	C. D. Wasson, Nineveh. . .	Dec. 23	2	103	52
Lisle.	Curtis Day.	Feb. 4	3	248	83
North Colesville.	S. A. Holcomb, Tunnell, R. D.	Jan. 6	2	146	73
Vestal.	Lewis Haight, Vestal, R. D. 1.	Jan. 9	3	139	46
Windsor.	A. B. Griffin, Susquehanna, Pa., R. D. 6.	Jan. 5	3	201	67
CATTARAUGUS:			26	2,812	108
Ashford Hollow.	Claude L. Hughey, West Valley, R. D.	Feb. 5	3	247	82
Cattaraugus.	E. C. Pritchard, Cattaraugus, R. D. 2.	Feb. 3	3	361	120
Conewango.	Chas. C. Mason.	Jan. 28	3	246	82
Cottage.	Daisy Smith, South Dayton	Feb. 1-2	5	594	119
Delevan.	Elmer E. Bull.	Feb. 11	3	340	113
Elkdale.	W. E. Niles, Salamanca, R. D. 1.	Feb. 4	3	395	132
Hinsdale.	Mrs. G. M. Brown.	Feb. 13	3	285	95
Ischua.	E. N. Williams.	Feb. 12	3	344	115
CAYUGA:			27	2,045	76
Conquest.	E. S. Wilcox, Port Byron, R. D. 39.	Feb. 20	3	300	100
East Venice.	Chas. E. Stanton, Moravia, R. D. 18.	Mar. 3	3	157	50
Fair Haven.	M. C. Turner.	Feb. 1	3	222	90
Five Corners.	H. C. Powers, Atwater. . .	Mar. 2	3	232	75
CAYUGA:			27	2,045	76
Conquest.	E. S. Wilcox, Port Byron, R. D. 39.	Feb. 20	3	300	100
East Venice.	Chas. E. Stanton, Moravia, R. D. 18.	Mar. 3	3	150	50
Fair Haven.	M. C. Turner.	Feb. 1	3	271	90
Five Corners.	H. C. Powers, Atwater. . .	Mar. 2	3	226	75
Locke.	I. J. Main.	Mar. 16	3	232	77
Moravia.	Arthur H. Dayton, Mora- via, R. D. 59.	Mar. 17	3	302	101
Port Byron.	W. H. Root, Port Byron, R. D. 36.	Feb. 24	3	115	38
Scipioville.	E. T. Casler, Merrifield . .	Mar. 18	3	237	79
Sennett.	W. S. Tanner, Weedsport, R. D. 42.	Feb. 26	3	212	71

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SES- SIONS	AT- TEND- ANCE	AVER- AGE PER SESSION
CHAUTAUQUA:			41	4,334	106
Arkwright.....	D. M. Cole, Fredonia.....	Jan. 18	3	200	67
Cassadaga.....	Henry Bramer.....	Jan. 19	3	380	127
Charlotte Center.....	Luther L. Cross, Casadaga.....	Jan. 20-21	5	356	71
Cherry Creek.....	A. H. Blaisdell.....	Jan. 29-30	5	457	91
Forestville.....	Mrs. A. M. Keach.....	Jan. 13-14	5	700	140
Gerry.....	F. L. Ostrander.....	Jan. 22	3	210	70
CHAUTAUQUA—Con.:					
Jamestown.....	A. A. Van Cleek, West Sixth Street, Jamestown.....	Jan. 23	3	166	55
Mayville.....	Addie B. Dinsbier.....	Jan. 26	3	431	144
Niobe.....	O. E. Cross.....	Jan. 25	3	315	105
Ripley.....	Ora T. Little.....	Jan. 15-16	5	722	144
Stedman.....	G. G. Swart.....	Jan. 27	3	397	132
CHEMUNG:			15	1,067	71
Chemung.....	G. M. Straitor.....	Mar. 10	3	181	60
Erin.....	E. E. Welton.....	Mar. 8	3	316	105
Hicks.....	Alton Loomis, Lockwood.....	Mar. 9	3	258	86
Horseheads.....	Clifford R. Shappee.....	Mar. 6	3	163	54
Veteran Grange.....	Geo. E. Rundle, Horse- heads, R. D. 2.....	Mar. 5	3	149	50
CHENANGO:			19	1,336	70
Beaver Meadow.....	Warren A. Webb.....	Jan. 12	2	139	70
Greene.....	J. H. Lenderson.....	Jan. 11	3	306	102
McDonough.....	L. G. Conrad.....	Feb. 2	3	279	93
		1914			
New Berlin.....	A. W. Morse.....	Dec. 19	3	333	111
Norwich.....	R. A. Borland, 3 Cook Block, Norwich.....	Dec. 14-15	5	162	32
West Bainbridge.....	H. H. Lyon, Bainbridge.....	Dec. 22	3	117	39
CLINTON:			18	1,232	68
Altona.....	L. D. Hanley.....	Dec. 11	3	155	52
Champlain.....	C. R. Ashline.....	Dec. 12	3	123	141
Ellenburg Center.....	Chas. D. Watson.....	Dec. 10	3	351	17
Ellenburg Depot.....	E. A. Adams.....	Dec. 9	3	261	87
Morrisonville.....	W. H. Banker, Plattsburg, R. D. 4.....	Dec. 15	3	126	42
Saranac.....	Mrs. J. T. Hayes, Cady- ville, R. D.....	Dec. 14	3	216	72
COLUMBIA:		1915	21	1,394	66
Claverack.....	Homer J. Miller.....	Feb. 13	3	199	66
Copake.....	Frank Sherman.....	Feb. 17	3	285	95
East Chatham.....	Ray R. Lant.....	Feb. 18	3	249	83
Livingston.....	Robert G. Patrie.....	Feb. 15	3	173	58
Mellenville.....	E. L. Harder, Philmont.....	Feb. 16	3	119	40
New Lebanon.....	R. M. Sumner.....	Feb. 19	3	225	75
Spencertown.....	F. C. Goodrich, East Chat- ham.....	Feb. 20	3	144	48
CORTLAND:			27	2,355	87
Cincinnatus.....	Arthur Cook.....	Feb. 1	3	380	127
Cortland.....	Ellis N. Reed, Cortland, R. D. 3.....	Jan. 30	3	244	81
Freetown Corners.....	Emory Cobb, Marathon.....	Mar. 5	3	181	60
Homer.....	Egbert L. Hull.....	Mar. 4	3	240	80
Marathon.....	Manson L. Smith.....	Feb. 5	3	500	167
North Harford.....	Alton G. Parker, Harford.....	Mar. 6	3	182	61
Preble.....	W. W. Root.....	Jan. 29	3	205	68
Texas Valley.....	Frank G. Carter.....	Feb. 6	3	223	74
Willet.....	Harry B. Coates.....	Feb. 3	3	200	67
DELAWARE:		1914	24	1,495	62
Downsville.....	Ernest M. Dann.....	Dec. 8	3	156	52
East Meredith.....	E. E. Stebbins.....	Dec. 12	3	263	88
Franklin.....	A. W. Rowell.....	Dec. 11	3	388	129
Halcottsville.....	Amos R. Sanford.....	Dec. 18	3	141	47
Hancock.....	Chas. A. Taylor.....	Dec. 7	3	99	33
Sidney Center.....	A. M. Rutenber.....	Dec. 10	3	166	55
Stamford.....	Jos. M. Murphy.....	Dec. 14	3	57	19
Walton.....	J. Q. Barlow, Beerston.....	Dec. 9	3	225	75

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SESSIONS	ATTENDANCE	AVERAGE PER SESSION
DUTCHESS:		1915	28	1,876	67
Clinton Corners.....	M. E. Knapp, Millbrook..	Feb. 8-9	5	370	74
Hyde Park.....	Benj. H. Haviland, Hyde Park, R. D.....	Feb. 10	3	148	49
DUTCHESS—CON.:					
Moore's Mills.....	J. W. Skidmore, Pleasant Valley.....	Feb. 4	3	210	70
Myers Corners.....	O. R. Widmer, Wappingers Falls.....	Feb. 6	3	194	65
Pawling.....	Harry Wanzer.....	Feb. 1	3	86	29
Pleasant Plains.....	F. M. Barker, Staatsburg..	Feb. 11	3	258	86
Union Vale.....	Claude Abel, Verbank.....	Feb. 3	2	117	59
Upper Red Hook.....	Curtis Fraleigh, Red Hook	Feb. 12	3	261	87
Wicopsee.....	J. S. Warren, Hopewell Junction.....	Feb. 5	3	232	77
ERIE:			27	2,969	110
Alden.....	E. W. Gillmore.....	Feb. 11	3	328	109
Bowmansville.....	Leo M. Parker, Forks....	Jan. 2	2	242	81
Brant.....	Martin J. Krull, Irving, R. D.	Jan. 1	3	300	100
Chaffee.....	W. A. Briggs.....	Feb. 10	3	189	63
Clarence Center.....	G. D. Carmer.....	Jan. 8	3	577	192
Collins Center.....	J. W. Taft.....	Jan. 11	3	342	114
Griffins Mills.....	R. C. Grover, West Falls..	Feb. 8	3	317	106
Hunters Creek.....	E. E. Sleeper, Holland....	Feb. 9	3	209	70
Springville.....	W. H. Pingrey.....	Feb. 6	3	465	155
ESSEX:		1914	17	1,137	67
Crown Point.....	W. S. Green.....	Dec. 19	3	160	53
Jay.....	Mrs. Anna S. Kent.....	Dec. 16	3	293	98
Moriah.....	G. W. Witherbee, Moriah Center.....	Dec. 21	3	132	44
Olmstedville.....	F. M. LaBar, Minerva....	Oct. 29	2	162	81
Westport.....	Irvin F. Braisted.....	Dec. 18	3	105	35
Willsboro.....	E. H. Severance.....	Dec. 17	3	285	95
FRANKLIN:		1915	19	1,407	74
Bombay.....	Geo. Rockwood.....	Jan. 5	3	168	56
Brushton.....	H. M. Aldrich, North Bangor, R. D.....	Jan. 6-7	5	354	71
Chateaugay.....	G. N. Stuart.....	Dec. 8	3	229	76
Ft. Covington.....	Mrs. M. P. Merrick.....	Jan. 4	3	261	87
Malone.....	L. L. Foote, Malone, R. D.4	Jan. 8-9	5	395	79
GENESEE:			27	2,366	88
Alexander.....	Earl Kidder.....	Feb. 13	3	300	100
Bethany Center.....	Harry Woolf, Linden.....	Feb. 12	3	326	109
Corfu.....	D. C. Higgins.....	Feb. 8	3	239	80
Darien.....	Nelson Harper, Darien Center.....	Feb. 9	3	232	77
Elba.....	Jos. S. Wilford.....	Jan. 6	3	234	78
Fort Hill.....	D. J. Renegar, Le Roy, R. D. 37.....	Feb. 25	3	348	116
Oakfield.....	B. W. Taylor, Batavia....	Jan. 7	3	218	73
Pavilion Center.....	Geo. A. Branch, Pavilion, R. D.....	Feb. 24	3	277	93
South Byron.....	W. M. Brockway.....	Jan. 5	3	192	64
GREENE:		1914	14	1,072	77
Freehold.....	R. T. Story.....	Nov. 30	3	153	51
Halcott Center.....	Myron Morse.....	Dec. 17	3	272	91
Leeds.....	D. J. Hamm.....	Jan. 9	3	270	90
Prattsville.....	W. B. Chatfield.....	Dec. 16	2	63	32
West Coxsackie.....	F. W. Cole, Coxsackie....	Jan. 8	3	314	105
HERKIMER:			20	1,094	55
Dolgeville.....	Arthur J. Dunkel.....	Mar. 8	3	78	26

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENCE	DATE	SESSIONS	ATTENDANCE	AVERAGE PER SESSION
HERKIMER—CON:					
Frankfort.....	Rufus H. Smith.....	Mar. 6	3	174	58
Jordanville.....	E. L. Walrath, Richfield Springs, R. D. 2.....	Mar. 4	3	186	62
Poland.....	Fred Cruikshank.....	Mar. 9	3	216	72
Russia.....	Wm. H. Hughes, Barneveld, R. D.....	Mar. 10	3	161	54
Van Hornesville.....	H. A. Mixer, Jordanville, R. D. 1.....	Mar. 3	2	67	34
West Winfield.....	Clyde T. Slade.....	Mar. 5	3	212	71
JEFFERSON:					
Adams Center.....	Norris L. Maltby, Adams Center, R. D. 1.....	Dec. 4	3	338	113
Calcium.....	B. L. Johnson, Evans Mills	Dec. 9	3	238	79
Carthage.....	Eugene Lewis, Carthage, R. D. 1.....	Dec. 19	3	116	39
Dexter.....	Fred E. George, Limerick..	Dec. 12	3	287	96
Henderson.....	Henry Bennett, Henderson, R. D. 3.....	Dec. 7	3	119	40
Hounsfield.....	Chas. J. Cady, Adams Center.....	Dec. 8	3	248	83
La Fargeville.....	A. W. Beckwith.....	Dec. 11	3	263	88
Natural Bridge.....	Earl H. Allen, Natural Bridge, R. D.....	Dec. 17	3	147	49
Plessis.....	A. W. Rowell.....	Dec. 15	1	18	18
Philadelphia.....	Rev. Elmer E. Dresser....	Nov. 30	3	315	105
St. Lawrence.....	B. P. Comins, Clayton, R. D. 3.....	Dec. 10	3	271	90
Theresa.....	Jesse A. La Fave.....	Dec. 14	3	148	49
LEWIS:					
Barnes Corners.....	L. S. Brown, Adams, R. D. 2	Dec. 5	3	225	75
Beaver Falls.....	E. E. Widmyer, Castorland	Dec. 21-22	4	184	46
Denmark.....	Elon W. Cook.....	Dec. 18	1	48	48
Greig.....	W. J. Dominick, Lyons Falls, R. D.....	Nov. 23	3	162	54
Talcotville.....	Oscar C. Thayer, Constableville.....	Nov. 24	3	137	46
West Leyden.....	Fred P. Grubel.....	Nov. 21	1	25	25
LIVINGSTON:					
Caledonia.....	Merton Phelps.....	Feb. 26-27	5	242	48
Conesus.....	Chas. McGinty.....	Mar. 1	3	203	68
Greigsville.....	K. H. Johnson.....	Feb. 22	3	169	56
Linwood.....	Neil C. McColl.....	Feb. 23	3	334	111
Springwater.....	Scott W. Swarts.....	Mar. 2	3	234	78
MADISON:					
Brookfield.....	C. W. Camenga, West Edmeston.....	Dec. 22-23	5	266	53
1915					
Canastota.....	Mrs. E. C. Goodell.....	Mar. 15-16	5	239	48
De Ruyter.....	J. Bert Hills.....	Mar. 17-18	5	460	92
Earlville.....	N. M. Congdon.....	Jan. 13	3	245	82
Erieville.....	Mrs. T. T. Tayntor.....	Jan. 20	3	362	121
Fenner.....	J. L. O'Hara, Cazenovia, R. D. 1.....	Mar. 16	3	260	87
Hamilton.....	J. G. Patterson.....	Jan. 14	3	133	44
1914					
Hubbardsville.....	F. I. Rhoades.....	Dec. 21	3	106	35
1915					
Madison.....	W. T. Taylor, Solsville....	Jan. 18	3	141	47
1914					
Nelson.....	K. W. Jones.....	Nov. 19	3	311	104
1915					
Stockbridge.....	C. E. Love, Munnsville....	Jan. 15-16	5	377	75
MONROE:					
Brockport.....	E. W. Brigham.....	Feb. 26-27	5	306	61
Churchville.....	A. S. Hill.....	Jan. 4	3	259	86
Fairport.....	Geo. M. Case.....	Mar. 13	3	341	114
Gates Center.....	John C. Curry, Jr., Gates, R. D.....	Mar. 10	3	244	81

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SESSIONS	ATTENDANCE	AVERAGE PER SESSION
MONROE—Con:					
Greece.....	Judson Kenyon, Barnard..	Mar. 8	3	276	92
Pittsford.....	J. M. Todd.....	Mar. 12	3	261	87
Spencerport.....	James L. Adams, Adams Basin.....	Mar. 9	3	297	99
Webster.....	Geo. W. Dunn.....	Mar. 5-6	5	1,259	252
West Henrietta.....	F. L. Martin.....	Mar. 11	3	222	74
MONTGOMERY:					
Canajoharie (Seeber's Lane Grange).....	C. L. St. John, Canajoharie	Feb. 27	3	197	66
Freysbush.....	J. F. Hiller, Fort Plain....	Mar. 1	3	236	79
Glen.....	C. T. Van Horne.....	Feb. 25	3	117	39
Minaville.....	Howard A. Hewett.....	Feb. 24	3	230	77
St. Johnsville.....	Lou D. MacWethy.....	Mar. 2	3	96	32
NASSAU:					
Mineola.....	L. R. Simons.....	Jan. 20-21	4	243	61
NIAGARA:					
Barker.....	J. J. Connolly.....	Mar. 1	3	433	144
Johnsons Creek.....	W. W. Prudom, Middleport, R. D. 33.....	Feb. 19	3	526	17
Middleport.....	Frank C. Densberger.....	Feb. 20	3	254	85
Newfane.....	Elma McKee.....	Feb. 18	3	274	91
Pekin.....	Chas. E. Mabon, Sanborn..	Feb. 16	3	572	191
Pendleton Center.....	L. J. P. Richards, Lockport, R. D. 4.....	Feb. 15	3	368	123
Ransomville.....	W. D. Wisner.....	Feb. 17	3	466	155
Rapids.....	C. H. Burdick, Lockport, R. D. 6.....	Feb. 22	3	605	202
ONEIDA:					
Boonville.....	Silas B. Sherman.....	1914 Nov. 20	18 3	1,068	59
Camden.....	W. G. Seubert, McConnellsville.....	Nov. 30	3	85	28
Knoxboro.....	Chas. D. Fairchild, Oriskany Falls, R. D.	1915 Jan. 19	3	280	93
Marey.....	H. A. Humphrey.....	Mar. 11	3	287	96
Rome.....	Wm. A. Searle, Chamber of Commerce, Rome.....	Mar. 13	3	151	50
Sauquoit.....	S. W. Smith, R. D. 2, Sauquoit.....	Mar. 12	3	133	44
ONONDAGA:					
Baldwinsville.....	Burt Giddings.....	1915 Jan. 22-23	31 5	2,832	91
Borodino.....	Ellis Patterson.....	Jan. 26	3	562	112
Camillus.....	V. D. Kasson, Camillus, R. D. 2.....	Jan. 25	3	282	94
Jordan.....	H. J. Rickard, Jordan, R. D. 1.....	Jan. 25	3	160	53
La Fayette.....	Wm. H. Park, La Fayette, R. D. 3.....	Feb. 25	3	181	60
Lysander.....	W. N. Reddout.....	Jan. 28	3	201	67
Manlius.....	C. F. Ferris.....	Jan. 25	3	304	121
North Manlius.....	M. J. Costello, Kirkville, R. D. 1.....	Jan. 22-23	5	374	75
South Onondaga.....	A. B. Fenner, Syracuse, R. D. 5.....	Jan. 21	3	307	102
ONTARIO:					
Bristol Springs.....	Elmer N. Coye, Naples ...	Jan. 27	3	401	134
Farmington.....	Jos. I. Green, Macedon, R. D. 1.....	Mar. 5	3	2,171	90
Manchester.....	R. R. McLouth, Shortsville	Mar. 17	3	261	87
Naples.....	M. M. Wheeler.....	Feb. 5	3	295	98
Phelps.....	F. A. Salisbury.....	Feb. 5	3	213	71
Reed Corners.....	James Roat, Canandaigua..	Mar. 4	3	169	56
Victor.....	A. G. Aldridge.....	Feb. 4	3	228	76
West Bloomfield.....	Chas. W. Duffy.....	Feb. 6	3	348	116
		Feb. 16	3	465	155
		Feb. 15	3	192	64

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SES- SIONS	AT- TEND- ANCE	AVER- AGE PER SESSION
ORANGE:			20	1,275	64
Balmville.....	Gurnsey Sheeley, Newburg, R. D. 1.....	Jan. 18	3	166	55
Bullville.....	I. V. Ellis.....	Jan. 23	3	178	59
Middletown.....	Willard Clark.....	Jan. 19	3	150	50
Otisville.....	L. H. Mapes, Howells.....	Jan. 21	3	121	40
Pine Bush.....	B. F. Dickinson, Ulsterville.....	Jan. 22	3	203	68
Port Jervis.....	S. T. Braman, Chamber of Commerce, Port Jervis.....	Jan. 16	2	125	63
Unionville.....	Mrs. Mary B. Stoll.....	Jan. 20	3	332	111
ORLEANS:			18	1,473	82
Clarendon.....	Herbert Allis, Holley, R. D. 2.....	Feb. 25	3	283	94
East Shelby.....	B. C. Roberts, Medina, R. D. 6.....	Feb. 24	3	198	66
Kendall.....	L. N. Wellman.....	Mar. 3	3	283	94
Lyndonville.....	C. H. I. Potter.....	Mar. 2	3	251	84
Murray.....	L. S. Walter, Holley.....	Mar. 4	3	180	60
West Shelby.....	Victor H. Harding, Middle- port, R. D. 36.....	Feb. 23	3	278	93
OSWEGO:			35	4,001	114
Amboy Center.....	Fred Jamieson, Williams- town, R. D. 1.....	Dec. 1	3	202	67
Bernhards Bay.....	H. E. Myers.....	Jan. 26	3	328	109
Central Square.....	C. B. Allen, Central Square, R. D. 1.....	Jan. 27	3	450	150
Hannibal.....	P. A. Welling.....	Jan. 29-30	5	782	156
Lacona.....	A. R. Stevens.....	Dec. 3	3	188	63
Mexico.....	D. D. Fennell, Jr., Mexico, R. D. 5.....	Jan. 19	3	440	147
North Scriba.....	O. H. Cornwell, Oswego, R. D. 1.....	Jan. 20	3	222	74
Parish.....	M. L. Moran.....	Jan. 21	3	491	164
Pennellville.....	F. W. Morgan, Phoenix, R. D. 2.....	Jan. 28	3	300	100
Pulaski.....	Benj. H. Frary, Pulaski, R. D. 4.....	Jan. 18	3	397	132
Williamstown.....	E. N. Harris.....	Dec. 2	3	201	67
OTSEGO:			27	2,081	77
Cherry Valley.....	H. Cossart.....	Dec. 9	3	282	94
Edmeston.....	Chester Pope.....	Dec. 18	3	190	63
Fly Creek.....	S. H. Elderkin.....	Dec. 12	3	225	75
Morris.....	A. H. Tillson.....	Dec. 17	3	277	92
Mt. Vision.....	A. H. Straight, Mt. Vision, R. D. 2.....	Dec. 16	3	168	56
Otego.....	W. J. Birdsall.....	Dec. 21	3	180	60
Pierstown.....	Geo. T. Burnell, Coopers- town, R. D. 1.....	Dec. 10	3	205	68
Westville.....	Geo. Chamberlain, Schene- vus, R. D. 2.....	Dec. 11	3	156	52
Worcester.....	Noah Vredenburg, Worces- ter, R. D. 3.....	Dec. 19	3	398	133
PUTNAM:			9	636	71
Adams Corners.....	Geo. F. Barmore.....	Jan. 28	3	330	110
Mahopac.....	F. J. Ganong, Crafts.....	Jan. 29	3	119	40
Patterson.....	E. F. Hayt, Brewster.....	Feb. 2	3	187	62
RENSSELAER:			21	1,649	79
Berlin.....	Arthur Cowee.....	Dec. 14	3	135	45
Eagle Mills.....	J. H. Potter.....	Dec. 17	3	215	72
Hoosick Falls.....	J. C. Cottrell.....	Dec. 15	3	191	64
Johnsonville.....	Wm. A. Gage.....	Dec. 16	3	296	99
Melrose.....	Chas. D. Hanaman.....	Feb. 22	3	373	124

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SESSIONS	ATTENDANCE	AVERAGE PER SESSION
RENSSELAER—Con.:					
Raymertown.....	E. L. Button, Melrose.....	Dec. 18	3	286	95
West Sand Lake.....	I. J. Cipperly.....	Dec. 22	3	153	51
ROCKLAND:					
Tallmans	Thos. T. Husson, Pomona.	1915 Jan. 25-26	5 5	336 336	67 67
ST. LAWRENCE:					
Brier Hill.....	B. B. Lane, Hammond....	1914 Dec. 16	37 2	4,082 225	110 113
Edwards.....	W. O. Kerr.....	Dec. 2	3	228	76
Fine.....	L. G. Harris.....	Dec. 1	3	399	133
Lawrenceville.....					
J. P. Hourihan, No. Lawrence, R. D. 1.....	Jan. 11	3	301	100	
Lisbon.....	J. Leslie Craig.....	Jan. 13	2	419	210
Massena.....					
W. V. Clemons.....	Dec. 5	3	270	90	
Nicholville.....					
J. H. Smith.....	Jan. 12	3	332	111	
Norfolk.....					
C. A. Whittaker, Norfolk, R. D. 1.....	Jan. 15	3	210	70	
Potsdam.....					
B. T. Scott, 31 Main St., Potsdam.....	Jan. 16	3	219	73	
Rensselaer Falls.....					
H. B. Hammond.....	Dec. 4	3	365	122	
Russell.....					
L. B. Hatch, Hermon, R. D. 2.....	Dec. 3	3	258	86	
Waddington.....					
Edward L. Fay, Waddington, R. D. 1.....	1915 Jan. 14	3	402	134	
Winthrop.....					
Geo. G. Gillett.....	Dec. 7	3	454	151	
SARATOGA:					
Clifton Park Ctr.....	J. F. Peck, Rexford.....	Dec. 21	18 3	1,243 133	69 44
Galway.....					
F. L. Smith, Ballston Spa, R. D. 1.....	1915 Feb. 23	3	411	137	
Gansevoort.....					
A. Heywood Cary, Gansevoort, R. D. 1.....	Dec. 2	3	194	65	
Malta.....					
William Olmsted, Mechanicville, R. D. 3.....	Dec. 19	3	160	53	
Wayville.....					
Wm. R. Putnam.....	Dec. 1	3	189	63	
Wilton.....					
J. H. Westfall, Saratoga Springs, R. D. 2.....	Oct. 31	3	156	52	
SCHENECTADY:					
Duanesburg.....	Bert Koons, Delanson, R. D. 2.....	1914 Dec. 28	9 3	406 161	45 54
Glenville.....	Mina Van Epps, Hoffmans.	Dec. 30	3	143	48
Pattersonville.....	I. F. Patterson.....	Dec. 29	3	102	34
SCHOHARIE:					
Breakabeen.....	W. H. Travis, Middleburg, R. D. 1.....	Dec. 4	17 3	711 151	42 50
Broome Center.....	E. P. Cook, Gilboa, R. D. 1.....	Dec. 3	2	160	80
Carlisle.....					
Myron H. Brown, Sloanville.....	Dec. 7	3	81	27	
Fultonham.....	Moses Lawyer.....	Dec. 5	3	67	22
Hyndsville.....	B. C. Holmes.....	Dec. 8	3	148	49
Manorkill.....	J. W. Van Steenburg.....	Dec. 15	3	104	35
SCHUYLER:					
Burdette.....	W. K. Mulligan.....	1915 Mar. 2	17 3	1,470 281	86 94
Catherine.....	Mrs. M. H. Hewitt, Alpine	Mar. 13	3	221	74
Reading Center.....	Geo. W. McNemer.....	Mar. 11	3	317	106
Townsend.....					
Geo. E. Raplee, Watkins, R. D. 3.....	Feb. 10	2	296	148	
Valois.....					
L. W. German.....	Mar. 11	3	145	48	
Wayne.....					
D. E. Hoover, Keuka, R. D. 1.....	1914 Nov. 19	3	210	70	

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SES- SIONS	AT- TEND- ANCE	AVER- AGE PER SESSION
SENECA:		1915	12	853	71
Covert.....	F. W. Lunger, Interlaken..	Mar. 9	3	224	75
Ovid Grange, Scotts Corners.....	G. B. Akins, Ovid Center..	Mar. 10	3	200	67
Romulus.....	C. W. Lisk.....	Mar. 8	3	156	52
Waterloo.....	H. H. Bonnell, Waterloo, R. D. 3.....	Mar. 6	3	273	91
STEBUEN:			39	3,304	85
Addison.....	L. J. Haynes.....	Mar. 3	3	159	53
Atlanta.....	C. G. Gray, No. Cohocton..	Mar. 3	3	296	99
Bath.....	H. S. Emerson.....	Feb. 27	3	162	54
Caton.....	S. B. Hill, Corning, R. D. 2..	Mar. 4	3	384	128
Greenwood.....	T. N. Blair.....	Feb. 24	3	377	126
Howard.....	Burt Bennett, Hornell, R. D. 4.....	Feb. 26	3	360	120
		1914			
Ingleside.....	C. E. Noble, Prattsburg, R. D. 3.....	Nov. 24	3	267	89
North Urbana.....	E. F. Gleason, Hammonds- port, R. D. 1.....	Nov. 20	3	213	71
Prattsburg.....	W. H. Babcock, Pratts- burg, R. D. 5.....	Nov. 23	3	318	106
		1915			
Rathbone.....	E. O. Hannahr, Cameron Mills.....	Mar. 2	3	164	55
		1914			
Savona.....	Isaac Johnson.....	Nov. 21	3	71	24
		1915			
Thurston.....	C. N. Risley, Campbells, R. D.	Mar. 1	3	258	86
Stephens Mills.....	Smith Harding, Hornell, R. D. 2.....	Feb. 23	3	275	92
SUFFOLK:			20	1,426	71
Bridgehampton.....	Henry T. Haney.....	Jan. 12-13	5	304	61
East Northport.....	F. B. Smith, Ft. Salonga..	Jan. 19	3	281	94
Orient.....	L. M. Young.....	Jan. 14	3	158	53
Port Jefferson.....	H. L. Terry, Terryville.....	Jan. 18	3	101	34
Sound Avenue.....	Jno. R. Reeve, 94 Sound Ave., Riverhead.....	Jan. 16	3	283	94
Southold.....	G. H. Smith, Peconic.....	Jan. 15	3	299	100
SULLIVAN:		1914	18	2,057	114
Bloomingsburg.....	H. S. Riede, Bloomingburg, Box 114.....	Dec. 2	3	233	78
Grahamsville.....	Henry R. Groo.....	Dec. 4	3	534	178
Hurleyville.....	F. A. Durland.....	Dec. 3	3	204	68
Lake Huntington.....	H. J. Tyler, Cochection Ctr.	Nov. 30	3	310	103
Liberty.....	A. J. D. Wedemeyer.....	Dec. 5	3	231	77
Youngsville.....	Wm. Rittershausen.....	Dec. 1	3	545	182
TIOGA:		1915	17	1,675	99
Apalachin.....	C. F. Giles.....	Mar. 12-13	5	538	108
Barton Center.....	W. A. Wheeler, Waverly, R. D. 2.....	Mar. 15	3	297	99
Flemingville.....	Fred Miller, Owego, R. D. 3	Jan. 8	3	274	91
Nichols.....	S. M. Lounsbury, Owego..	Mar. 11	3	190	63
Spencer.....	Geo. S. Robinson, Spencer, Box 28.....	Mar. 16	3	376	125
TOMPKINS:			21	928	44
Danby.....	T. G. Miller, Ithaca, R. D. 4	Mar. 17	3	106	35
East Lansing.....	D. C. DeCamp, Groton, R. D. 12.....	Feb. 27	3	196	65
Enfield Center.....	Fred D. Rumsey, Newfield, R. D. 28.....	Mar. 18	3	155	52
Freeville.....	M. L. Stanton.....	Mar. 18	3	117	39
Lansing.....	Chas. Moseley, Ludlowville	Mar. 1	3	160	53
Slaterville Springs...	Dr. Wm. C. Gallagher.....	Mar. 15	3	85	28
Speedsville.....	F. E. Townsend, Berkshire.	Jan. 7	3	109	36

REGULAR INSTITUTES — *Continued*

COUNTY AND PLACE	LOCAL CORRESPONDENT	DATE	SESSIONS	ATTENDANCE	AVERAGE PER SESSION
ULSTER:			15	1,089	73
Gardiner.....	Joseph Deyo.....	Jan. 14	3	220	73
Lake Katrine.....	C. E. Davis, Saugerties, R. D. 4.....	Jan. 12	3	130	43
Plattekill.....	E. F. Soule, Jr., Gardiner, R. D. 2.....	Jan. 15	3	254	85
Stone Ridge.....	C. C. Hardenburg.....	Jan. 13	3	164	55
Woodstock.....	C. N. Riseley.....	Jan. 11	3	321	107
WARREN:		1914	10	604	60
Chestertown.....	J. B. Brown.....	Oct. 27	2	705	53
Glens Falls.....	W. J. Haviland.....	Dec. 12	3	140	47
Queensbury.....	G. A. Hubbell, Glens Falls, R. D. 1.....	Oct. 28	2	144	72
Wevertown.....	F. C. Hooper, No. River ..	Oct. 30	3	215	72
WASHINGTON:			12	2,114	66
Argyle.....	R. H. Stewart, Ft. Edward	Dec. 7	3	227	76
Cambridge.....	John C. Cottrell, Eagle Bridge.....	Dec. 10	3	278	93
Easton.....	J. F. Pratt, Greenwich, R. D. 1.....	Dec. 11	3	248	83
Fort Ann.....	E. J. Needham, Hudson Falls, R. D. 7.....	Dec. 3	3	128	43
Fort Miller.....	Fred Hilton, Thomson.....	Nov. 30	3	228	76
Hartford.....	J. H. Beadle.....	Dec. 5	3	168	56
North Granville.....	Geo. S. Chapin, Smiths Basin, R. D. 2.....	Dec. 4	3	190	63
Putnam.....	Henry L. Roberts, Putnam Station.....	Dec. 22	2	73	37
Salem.....	W. S. Barker.....	Dec. 9	3	201	67
West Hebron.....	Wm. E. Getty, Granville, R. D. 2.....	Dec. 8	3	318	106
Whitehall.....	C. A. Johnson, Whitehall, Box 72.....	Dec. 23	3	55	18
WAYNE:		1915	23	1,636	71
Clyde.....	Chas. G. Roy.....	Feb. 18	3	248	83
Huron.....	Mrs. Gertrude C. Hatcher, Wolcott, R. D. 3.....	Feb. 3	3	180	60
Lincoln.....	J. C. Hulbert, Ontario ..	Mar. 15	3	321	107
Marion.....	C. H. Lookup, Box 84 Marion.....	Mar. 8	3	185	62
Red Creek.....	Geo. W. Brinkerhoff.....	Feb. 2	3	192	64
Savannah.....	Gipson Mead.....	Mar. 9-10	5	301	60
South Butler.....	W. E. Hall.....	Feb. 19	3	209	70
WESTCHESTER:			5	702	104
Cortland Grange, Peekskill.....	Miss Emma Tice, Peekskill	Jan. 27	3	152	51
Lincolndale.....	Rev. Bro. Barnabas.....	Jan. 30	2	550	275
WYOMING:		1915	21	2,062	98
Arcade.....	Geo. E. Hogue.....	Feb. 16	3	445	148
Bliss.....	E. J. Foote.....	Feb. 18	3	296	99
Castile.....	S. L. Strivings.....	Feb. 19	3	300	100
Cowlesville.....	Robt. J. Patch, Cowlesville, R. D. 1.....	Feb. 10	3	344	115
Curriers.....	Chas. F. Day, Java.....	Feb. 17	3	263	88
Varysburg.....	Lester L. Glor.....	Feb. 15	3	209	70
Warsaw.....	W. W. Smallwood.....	Feb. 20	3	205	68
YATES:			20	1,663	83
Benton.....	Russell Chapman, Penn Yan, R. D. 9.....	Feb. 8	3	199	66
Branchport.....	L. B. Fullager.....	Feb. 9	3	274	91
Lakemont.....	H. J. Roof, Dundee, R.F. 19	Feb. 11	3	238	79
Middlesex.....	F. E. Dunton.....	Feb. 22	3	398	133
Penn Yan.....	Chas. M. Watkins, Penn Yan, R. D. 9.....	Feb. 12-13	5	304	61
Rushville.....	C. E. James, Stanley, R.D. 5	Feb. 23	3	250	83
Total.....			1,167	95,446	82

STATE-WIDE COOPERATIVE MEETINGS

New York State Agricultural Society.

New York State Association of Beekeepers' Societies.

New York State Breeders' Association.

New York State Dairymen's Association.

New York State Fruit Growers' Association.

New York State Vegetable Growers' Association.

State School of Agriculture, Canton, Farmers' Week.

State School of Agriculture, Alfred, Farmers' Week.

State School of Agriculture, Morrisville, Farmers' Week.

Western New York Horticultural Society.

NUMBER OF DAYS' INSTITUTE WORK IN EACH COUNTY

COUNTY	DAYS	COUNTY	DAYS
<i>Regular Institutes</i>		<i>Regular Institutes</i>	
Albany.....	6	Oswego.....	12
Allegany.....	8	Otsego.....	9
Broome.....	6	Putnam.....	3
Cattaraugus.....	9	Rensselaer.....	7
Cayuga.....	9	Rockland.....	2
Chautauqua.....	14	St. Lawrence.....	13
Chemung.....	5	Saratoga.....	6
Chenango.....	7	Schenectady.....	3
Clinton.....	6	Schoharie.....	6
Columbia.....	7	Schuyler.....	6
Cortland.....	9	Seneca.....	4
Delaware.....	8	Steuben.....	13
Dutchess.....	10	Suffolk.....	7
Erie.....	9	Sullivan.....	6
Essex.....	6	Tioga.....	6
Franklin.....	7	Tompkins.....	7
Genesee.....	9	Ulster.....	5
Greene.....	5	Warren.....	4
Herkimer.....	7	Washington.....	11
Jefferson.....	12	Wayne.....	8
Lewis.....	5	Westchester.....	2
Livingston.....	6	Wyoming.....	7
Madison.....	14	Yates.....	7
Monroe.....	11	Total.....	402
Montgomery.....	5		
Nassau.....	2	<i>Round-up Institutes</i>	
Niagara.....	8	Livingston.....	3
Oneida.....	6	Orleans.....	3
Onondaga.....	11	Oswego.....	3
Ontario.....	8	Saratoga.....	3
Orange.....	7	Wayne.....	3
Orleans.....	6	Total.....	15

RECAPITULATION FOR REGULAR INSTITUTES, FARMERS' DAYS, AND MISCELLANEOUS MEETINGS. JUNE 15, 1914. TO JUNE 14, 1915, INCLUSIVE

	NUMBER OF MEETINGS	SESSIONS	TOTAL ATTEND- ANCE	AVERAGE PER SESSION
Regular Institutes.....	380	1,167	95,446	82
Farmers' days.....	5	40	6,062	152
Miscellaneous meetings.....	70	98	9,798	100
	455	1,305	111,306	85

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND
REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS AD-
DRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1915, TO
JUNE 14, 1915, INCLUSIVE.

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of ses- sions	Total attend- ance	No. of ses- sions	Total attend- ance	No. of ses- sions	Total attend- ance
ALBANY:		4	105	6	530		
Coeymans Hollow. .	Jan. 7, 1915	1	26	1	63	....	.....
Delmar.....	Jan. 6, 1915	1	35	1	110	....	.....
Guilderland Center. .	Jan. 5, 1915	1	21	1	76	....	.....
Medusa.....	Dec. 1, 1914	....	....	1	136	....	.....
Rensselaerville.	Dec. 2, 1914	....	....	1	75	....	.....
Voorheesville.....	Jan. 4, 1915	1	23	1	70	....	.....
Guilderland Center.	Jan. 25, 1915	....	....	....	....	1	28
ALLEGANY:		8	394	8	948		
Almond.....	Feb. 23, 1915	1	57	1	83	....	.....
Angelica.....	Feb. 19, 1915	1	49	1	70	....	.....
Bolivar.....	Feb. 16, 1915	1	20	1	50	....	.....
Canaseraga.....	Feb. 20, 1915	1	43	1	98	....	.....
Caneadea.....	Feb. 15, 1915	1	45	1	158	....	.....
Friendship.....	Feb. 18, 1915	1	59	1	81	....	.....
Scio.....	Feb. 18, 1915	1	67	1	168	....	.....
Whitesville.....	Feb. 25, 1915	1	54	1	240	....	.....
Alfred.....	Mar. 9-10, 1915	....	....	....	....	2	310
BROOME:		4	75	5	272		
Deposit.....	Jan. 4, 1915	1	4	1	8	....	.....
Harpursville.....	Dec. 23, 1914	1	27	....	....	....	.....
Lisle.....	Feb. 4, 1915	....	....	1	69	....	.....
North Colesville.....	Jan. 6, 1915	....	....	1	86	....	.....
Vestal.....	Jan. 9, 1915	1	20	1	41	....	.....
Windsor.....	Jan. 5, 1915	1	24	1	68	....	.....
CATTARAUGUS:		7	349	7	830		
Ashford Hollow.	Feb. 5, 1915	1	30	....	....	....	.....
Cattaraugus.....	Feb. 3, 1915	1	52	1	104	....	.....
Conewango.....	Jan. 28, 1915	....	....	1	90	....	.....
Cottage.....	Feb. 1-2, 1915	1	50	1	130	....	.....
Delevan.....	Feb. 11, 1915	1	59	1	130	....	.....
Elkdale.....	Feb. 4, 1915	1	45	1	125	....	.....
Hinsdale.....	Feb. 13, 1915	1	56	1	115	....	.....
Ischua.....	Feb. 12, 1915	1	57	1	136	....	.....
CAYUGA:		9	387	9	797		
Conquest.....	Feb. 20, 1915	1	70	1	113	....	.....
East Venice.....	Mar. 3, 1915	1	21	1	65	....	.....
Fair Haven.....	Feb. 1, 1915	1	46	1	107	....	.....
Five Corners.....	Mar. 2, 1915	1	47	1	89	....	.....
Locke.....	Mar. 16, 1915	1	46	1	120	....	.....
Moravia.....	Mar. 17, 1915	1	46	1	90	....	.....
Port Byron.....	Feb. 24, 1915	1	21	1	28	....	.....
Scipioville.....	Mar. 18, 1915	1	42	1	113	....	.....
Sennett.....	Feb. 26, 1915	1	48	1	72	....	.....
CHAUTAUQUA:		11	541	8	974		
Arkwright.....	Jan. 18, 1915	1	16	1	74	....	.....
Cassadaga.....	Jan. 19, 1915	1	40	1	193	....	.....
Charlotte Center. .	Jan. 20-21, 1915	1	50	1	76	....	.....
Cherry Creek.....	Jan. 29-30, 1915	1	72	1	52	....	.....
Forestville.....	Jan. 13-14, 1915	1	40	1	255	....	.....
Gerry.....	Jan. 22, 1915	1	52	1	65	....	.....
Jamestown.....	Jan. 23, 1915	1	24	1	32	....	.....
Mayville.....	Jan. 26, 1915	1	65	....	....	....	.....
Niobe.....	Jan. 25, 1915	1	60	....	....	....	.....
Ripley.....	Jan. 15-16, 1915	1	70	1	225	....	.....
Stedman.....	Jan. 27, 1915	1	52	....	....	....	.....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE — *Continued.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
CHEMUNG:		5	202	5	336		
Chemung.....	Mar. 10, 1915	1	37	1	45	....	....
Erin.....	Mar. 8, 1915	1	71	1	110	....	....
Hicks.....	Mar. 9, 1915	1	46	1	95	....	....
Horseheads.....	Mar. 6, 1915	1	25	1	32	....	....
Veteran Grange....	Mar. 5, 1915	1	23	1	54	....	....
CHENANGO:		6	221	6	411		
Beaver Meadow....	Jan. 12, 1915	1	21	1	78	....	....
Greene.....	Jan. 11, 1915	1	78	1	78	....	....
McDonough.....	Feb. 2, 1915	1	68	1	103	....	....
New Berlin.....	Dec. 19, 1914	1	36	1	97	....	....
Norwich.....	Dec. 14-15, 1914	1	10	1	33	....	....
West Bainbridge...	Dec. 22, 1914	1	8	1	22	....	....
CLINTON:		6	161	2	186		
Altona.....	Dec. 11, 1914	1	35	....	....	....	....
Champlain.....	Dec. 12, 1914	1	17	....	....	....	....
Ellenburg Center...	Dec. 10, 1914	1	42	....	....	....	....
Ellenburg Depot...	Dec. 9, 1914	1	20	....	....	....	....
Morrisonville.....	Dec. 15, 1914	1	12	1	46	....	....
Saranac.....	Dec. 14, 1914	1	35	1	140	....	....
COLUMBIA:		4	162	8	595		
Claverack.....	Feb. 13, 1915	....	....	1	82	....	....
Copake.....	Feb. 17, 1915	1	60	1	101	....	....
East Chatham.....	Feb. 18, 1915	1	42	1	91	....	....
Livingston.....	Feb. 15, 1915	1	25	1	65	....	....
Mellenville.....	Feb. 16, 1915	....	....	1	58	....	....
New Lebanon.....	Feb. 19, 1915	1	35	1	85	....	....
Spencertown.....	Feb. 20, 1915	....	....	2	113	....	....
CORTLAND:		8	391	8	667		
Cincinnatus.....	Feb. 1, 1915	1	100	1	120	....	....
Cortland.....	Jan. 30, 1915	1	34	1	26	....	....
Freetown Corners...	Mar. 5, 1915	1	29	1	89	....	....
Homer.....	Mar. 4, 1915	1	41	1	87	....	....
Marathon.....	Feb. 5, 1915	1	72	1	125	....	....
North Harford.....	Mar. 6, 1915	1	31	1	63	....	....
Preble.....	Jan. 29, 1915	....	....	1	75	....	....
Texas Valley.....	Feb. 5-6, 1915	1	53	....	....	....	....
Willett.....	Feb. 3, 1915	1	31	1	82	....	....
Scott.....	Mar. 15, 1915	....	....	....	....	1	33
DELAWARE:		7	231	7	598		
Downsville.....	Dec. 8, 1914	1	23	1	75	....	....
East Meredith.....	Dec. 12, 1914	1	49	1	122	....	....
Franklin.....	Dec. 11, 1914	1	63	1	238	....	....
Halcottsville.....	Dec. 18, 1914	1	14	1	55	....	....
Hancock.....	Dec. 7, 1914	1	12	....	....	....	....
Sidney Center.....	Dec. 10, 1914	1	32	1	42	....	....
Stamford.....	Dec. 14, 1914	....	....	1	15	....	....
Walton.....	Dec. 9, 1914	1	38	1	51	....	....
DUTCHESS:		4	148	11	855		
Clinton Corners....	Feb. 8-9, 1915	....	....	2	164	....	....
Hyde Park.....	Feb. 10, 1915	1	15	1	65	....	....
Moore's Mills.....	Feb. 4, 1915	....	....	1	77	....	....
Myers Corners.....	Feb. 6, 1915	1	37	1	68	....	....
Pawling.....	Feb. 1, 1915	....	....	1	17	....	....
Pleasant Plains....	Feb. 11, 1915	....	....	2	199	....	....
Union Vale.....	Feb. 3, 1915	....	....	1	75	....	....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE—*Continued.*

COUNTY AND PLACE OF MEETING	DATE		SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
			No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
DUTCHESS—Con.:								
Upper Red Hook...	Feb.	12, 1915	1	53	1	110	....	.....
Wiccopee.....	Feb.	5, 1915	1	43	1	80	....	.....
ERIE:			6	367	8	950	....	.....
Alden.....	Feb.	11, 1915	1	75	1	100	....	.....
Bowmansville.....	Jan.	9, 1915	....	....	1	140	....	.....
Brant.....	Jan.	12, 1915	....	....	1	130	....	.....
Chaffee.....	Feb.	10, 1915	1	42	1	75	....	.....
Clarence.....	Mar.	12, 1915	....	....	....	....	2	63
Clarence Center.....	Jan.	8, 1915	1	80	....	....	....	.....
Collins Center.....	Jan.	11, 1915	....	....	1	152	....	.....
Collins Center.....	Mar.	13, 1915	....	....	....	....	2	90
Griffins Mills.....	Feb.	8, 1915	1	50	1	121	....	.....
Hunters Creek.....	Feb.	9, 1915	1	40	1	67	....	.....
Springville.....	Feb.	6, 1915	1	80	1	165	....	.....
ESSEX:			3	86	6	583	....	.....
Crown Point.....	Dec.	19, 1914	1	14	....	....	....	.....
Jay.....	Dec.	16, 1914	1	40	1	175	....	.....
Moriah.....	Dec.	21, 1914	....	....	1	49	....	.....
Olmstedville.....	Oct.	29, 1914	....	....	2	162	....	.....
Westport.....	Dec.	18, 1914	....	....	1	47	....	.....
Willsboro.....	Dec.	17, 1914	1	32	1	150	....	.....
FRANKLIN:			5	120	6	513	....	.....
Bombay.....	Jan.	5, 1915	1	26	1	65	....	.....
Brushton.....	Jan.	6-7, 1915	1	27	1	85	....	.....
Chateaugay.....	Dec.	8, 1914	1	12	1	77	....	.....
Fort Covington.....	Jan.	4, 1915	1	27	1	120	....	.....
Malone.....	Jan.	8-9, 1915	1	28	2	166	....	.....
GENESEE:			5	241	9	962	....	.....
Alexander.....	Feb.	13, 1915	1	70	1	130	....	.....
Bethany Center.....	Feb.	12, 1915	....	....	1	161	....	.....
Corfu.....	Feb.	8, 1915	....	....	1	127	....	.....
Darien.....	Feb.	9, 1915	....	....	1	110	....	.....
Elba.....	Jan.	6, 1915	1	33	1	80	....	.....
Fort Hill.....	Feb.	25, 1915	1	53	1	143	....	.....
Oakfield.....	Jan.	7, 1915	1	15	1	68	....	.....
Pavilion Center.....	Feb.	24, 1915	1	70	1	54	....	.....
South Byron.....	Jan.	5, 1915	....	....	1	89	....	.....
GREENE:			3	122	5	476	....	.....
Freehold.....	Nov.	30, 1914	....	....	1	93	....	.....
Halcott Center.....	Dec.	17, 1914	1	26	1	108	....	.....
Leeds.....	Jan.	9, 1915	1	48	1	120	....	.....
Prattsville.....	Dec.	16, 1914	....	....	1	21	....	.....
West Coxsackie.....	Jan.	8, 1915	1	48	1	134	....	.....
West Coxsackie.....	Jan.	22, 1915	....	....	....	....	2	100
HERKIMER:			3	76	8	509	....	.....
Dolgeville.....	Mar.	8, 1915	....	....	1	30	....	.....
Frankfort.....	Mar.	6, 1915	....	....	1	34	....	.....
Jordanville.....	Mar.	4, 1915	1	36	1	74	....	.....
Poland.....	Mar.	9, 1915	....	....	1	85	....	.....
Russia.....	Mar.	10, 1915	1	24	1	51	....	.....
Van Hornesville.....	Mar.	3, 1915	1	16	1	41	....	.....
West Winfield.....	Mar.	5, 1915	....	....	2	194	....	.....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE — *Continued.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
JEFFERSON:		9	278	9	621		
Adams Center.....	Dec. 3-4, 1914	1	30	1	160	.....	.....
Calcium.....	Dec. 9, 1914	1	10	1	60	.....	.....
Carthage.....	Dec. 19, 1914	1	42	1	50	.....	.....
Dexter.....	Dec. 12, 1914	1	32	1	70	.....	.....
Henderson.....	Dec. 7, 1914	1	49	1	49	.....	.....
Hounsfield.....	Dec. 8, 1914	1	57	1	57	.....	.....
La Fargeville.....	Dec. 11, 1914	1	48	.....	.....	.....	.....
Natural Bridge.....	Dec. 17, 1914	1	22	.....	.....	.....	.....
Philadelphia.....	Nov. 30, 1914	1	40	.....	.....	.....	.....
Plessis.....	Dec. 15, 1914	1	16	1	16	.....	.....
Point Peninsular.....	Feb. 12, 1915	.....	.....	.....	.....	1	3
St. Lawrence.....	Dec. 10, 1914	1	36	1	104	.....	.....
Theresa.....	Dec. 14, 1914	1	18	1	55	.....	.....
LEWIS:		3	92	4	230		
Barnes Corners.....	Dec. 5, 1914	1	52	1	77	.....	.....
Greig.....	Nov. 23, 1914	1	31	1	57	.....	.....
Talcottville.....	Nov. 24, 1914	1	71	1	71	.....	.....
West Leyden.....	Nov. 21, 1914	1	9	1	25	.....	.....
LIVINGSTON:		5	187	5	418		
Caledonia.....	Feb. 26-27, 1915	1	16	1	27	.....	.....
Conesus.....	Mar. 1, 1915	1	25	1	114	.....	.....
Greigsville.....	Feb. 22, 1915	1	28	1	73	.....	.....
Linwood.....	Feb. 23, 1915	1	56	1	138	.....	.....
Springwater.....	Mar. 2, 1915	1	62	1	66	.....	.....
MADISON:		13	558	12	975		
Brookfield.....	Dec. 22-23, 1914	1	26	1	51	.....	.....
Canastota.....	Mar. 15-16, 1915	2	70	1	32	.....	.....
De Ruyter.....	Mar. 17-18, 1915	2	112	1	92	.....	.....
Earlville.....	Jan. 13, 1915	1	65	1	50	.....	.....
Erieville.....	Jan. 20, 1915	1	61	1	166	.....	.....
Fenner.....	Mar. 16, 1915	1	61	1	99	.....	.....
Hamilton.....	Jan. 14, 1915	1	30	1	20	.....	.....
Hubbardsville.....	Dec. 21, 1914	1	18	1	26	.....	.....
Madison.....	Jan. 18, 1915	1	7	1	68	.....	.....
Morrisville.....	Jan. 28-29, 1915	.....	.....	.....	.....	4	345
Nelson.....	Nov. 19, 1914	1	67	1	147	.....	.....
Stockbridge.....	Jan. 15-16, 1915	1	41	2	224	.....	.....
MONROE:		8	376	9	1,032		
Brockport.....	Feb. 26-27, 1915	1	18	1	24	.....	.....
Churchville.....	Jan. 4, 1915	1	30	1	78	.....	.....
Fairport.....	Mar. 13, 1915	1	38	1	111	.....	.....
Gates Center.....	Mar. 10, 1915	1	48	1	114	.....	.....
Greece.....	Mar. 8, 1915	1	46	1	100	.....	.....
Pittsford.....	Mar. 12, 1915	1	49	1	68	.....	.....
Spencerport.....	Mar. 9, 1915	1	49	1	122	.....	.....
Westbter.....	Mar. 5-6, 1915	1	98	1	308	.....	.....
West Henrietta.....	Mar. 11, 1915	.....	.....	1	107	.....	.....
MONTGOMERY:		2	50	7	444		
Canajoharie (See-ber's Lane Grange)	Feb. 27, 1915	.....	.....	1	64	.....	.....
Freysbush.....	Mar. 1, 1915	.....	.....	2	180	.....	.....
Glen.....	Feb. 25, 1915	1	19	1	55	.....	.....
Minville.....	Feb. 24, 1915	1	31	1	81	.....	.....
St. Johnsville.....	Mar. 2, 1915	.....	.....	2	64	.....	.....
NASSAU:		1	17	1	84		
Mineola.....	Jan. 20-21, 1915	1	17	1	84	.....	.....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE — *Continued.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of ses- sions	Total attend- ance	No. of ses- sions	Total attend- ance	No. of ses- sions	Total attend- ance
NIAGARA:		6	427	19	1,614	....	....
Barker.....	Mar. 1, 1915	1	70	1	140	....	....
Johnson's Creek.....	Feb. 19, 1915	....	....	2	462	....	....
Middleport.....	Feb. 20, 1915	1	34	1	66	....	....
Newfane.....	Feb. 18, 1915	1	58	1	55	....	....
Pekin.....	Feb. 16, 1915	....	....	2	448	....	....
Pendleton Center...	Feb. 15, 1915	1	64	1	150	....	....
Ransomville.....	Feb. 17, 1915	1	68	1	125	....	....
Rapids.....	Feb. 22, 1915	1	133	1	168	....	....
ONEIDA:		6	171	6	387	....	....
Boonville.....	Nov. 20, 1914	1	3	1	28	....	....
Camden.....	Nov. 30, 1914	1	56	1	110	....	....
Knoxboro.....	Jan. 19, 1915	1	51	1	146	....	....
Marcy.....	Mar. 11, 1915	1	25	1	50	....	....
Rome.....	Mar. 13, 1915	1	14	1	18	....	....
Sauquoit.....	Mar. 12, 1915	1	22	1	35	....	....
ONONDAGA:		8	346	10	1,024	....	....
Baldwinsville.....	Jan. 22-23, 1915	1	65	1	98	....	....
Borodino.....	Jan. 26, 1915	1	33	1	110	....	....
Camillus.....	Jan. 25, 1915	1	17	1	48	....	....
Jordan.....	Feb. 25, 1915	1	29	1	65	....	....
La Fayette.....	Jan. 28, 1915	1	44	1	56	....	....
Lysander.....	Jan. 25, 1915	....	....	1	152	....	....
Manlius.....	Jan. 22-23, 1915	1	15	2	200	....	....
North Manlius.....	Jan. 21, 1915	1	57	1	150	....	....
South Onondaga...	Jan. 27, 1915	1	86	1	145	....	....
ONTARIO:		8	341	8	798	....	....
Bristol Springs.....	Mar. 5, 1915	1	37	1	124	....	....
Farmington.....	Feb. 17, 1915	1	49	1	120	....	....
Manchester.....	Feb. 5, 1915	1	47	1	46	....	....
Naples.....	Mar. 4, 1915	1	42	1	38	....	....
Phelps.....	Feb. 4, 1915	1	28	1	60	....	....
Reed's Corners.....	Feb. 6, 1915	1	67	1	107	....	....
Victor.....	Feb. 16, 1915	1	44	1	225	....	....
West Bloomfield...	Feb. 15, 1915	1	36	1	78	....	....
ORANGE:		2	45	8	651	....	....
Balmville.....	Jan. 18, 1915	1	28	1	51	....	....
Bullville.....	Jan. 23, 1915	....	....	1	58	....	....
Middletown.....	Jan. 19, 1915	1	17	1	52	....	....
Otisville.....	Jan. 21, 1915	....	....	1	75	....	....
Pine Bush.....	Jan. 22, 1915	....	....	1	88	....	....
Port Jervis.....	Jan. 16, 1915	....	....	1	75	....	....
Unionville.....	Jan. 20, 1915	....	....	2	252	....	....
ORLEANS:		5	183	6	468	....	....
Clarendon.....	Feb. 25, 1915	1	23	1	118	....	....
East Shelby.....	Feb. 24, 1915	1	30	1	75	....	....
Kendall.....	Mar. 3, 1915	1	46	1	68	....	....
Lyndonville.....	Mar. 2, 1915	....	....	1	51	....	....
Murray.....	Mar. 4, 1915	1	41	1	66	....	....
West Shelby.....	Feb. 23, 1915	1	43	1	90	....	....
OSWEGO:		11	564	11	1,275	....	....
Amboy Center.....	Dec. 1, 1914	1	27	1	62	....	....
Bernhards Bay.....	Jan. 26, 1915	1	55	1	110	....	....
Central Square.....	Jan. 27, 1915	1	60	1	151	....	....
Hannibal.....	Jan. 29-30, 1915	1	82	1	300	....	....
Lacona.....	Dec. 3, 1914	1	27	1	78	....	....
Mexico.....	Jan. 19, 1915	1	52	1	126	....	....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE—*Continued.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
OSWEGO—Con.:							
North Scriba.....	Jan. 20, 1915	1	44	1	52	....	....
Parish.....	Jan. 21, 1915	1	81	1	138	....	....
Pennellville.....	Jan. 28, 1915	1	60	1	54	....	....
Pulaski.....	Jan. 18, 1915	1	51	1	94	....	....
Williamstown.....	Dec. 2, 1914	1	25	1	110	....	....
OTSEGO:		1	57	11	940	....	....
Cherry Valley.....	Dec. 8-9, 1914	....	....	1	85	....	....
Edmeston.....	Dec. 18, 1914	....	....	1	84	....	....
Fly Creek.....	Dec. 12, 1914	....	....	2	200	....	....
Morris.....	Dec. 17, 1914	....	....	1	135	....	....
Mt. Vision.....	Dec. 16, 1914	....	....	2	139	....	....
Otego.....	Dec. 21, 1914	....	....	1	72	....	....
Pierstown.....	Dec. 10, 1914	....	....	2	155	....	....
Westville.....	Dec. 11, 1914	....	....	1	70	....	....
Worcester.....	Dec. 19, 1914	1	57	....	....	....	....
PUTNAM:		2	61	3	255	....	....
Adams Corners.....	Jan. 28, 1915	1	32	1	140	....	....
Mahopac.....	Jan. 29, 1915	....	....	1	40	....	....
Patterson.....	Feb. 2, 1915	1	29	1	75	....	....
RENSSELAER:		6	186	7	617	....	....
Berlin.....	Dec. 14, 1914	1	14	1	60	....	....
Eagle Mills.....	Dec. 17, 1914	1	15	1	81	....	....
Hoosick Falls.....	Dec. 15, 1914	1	18	1	47	....	....
Johnstown.....	Dec. 16, 1914	1	36	1	127	....	....
Melrose.....	Feb. 22, 1915	1	63	1	129	....	....
Raymertown.....	Dec. 18, 1914	1	40	1	105	....	....
West Sand Lake.....	Dec. 22, 1914	....	....	1	68	....	....
ROCKLAND:		....	....	3	232	....	....
Tallmans.....	Jan. 25-26, 1915	....	....	3	232	....	....
ST. LAWRENCE:		7	380	7	1,045	....	....
Brier Hill.....	Dec. 16, 1914	....	....	1	130	....	....
Fine.....	Dec. 1, 1914	1	70	....	....	....	....
Lawrenceville.....	Jan. 11, 1915	1	60	1	137	....	....
Lisbon.....	Jan. 13, 1915	1	67	1	255	....	....
Nicholville.....	Jan. 12, 1915	1	52	1	163	....	....
Norfolk.....	Jan. 15, 1915	1	31	1	63	....	....
Potsdam.....	Jan. 16, 1915	1	75	1	70	....	....
Waddington.....	Jan. 14, 1915	1	25	1	227	....	....
SARATOGA:		5	184	7	575	....	....
Clifton Park Center.....	Dec. 21, 1914	1	12	1	55	....	....
Galway.....	Feb. 23, 1915	1	92	1	167	....	....
Gansevoort.....	Dec. 2, 1914	1	30	1	100	....	....
Malta.....	Dec. 19, 1914	1	20	1	38	....	....
Wayville.....	Dec. 1, 1914	1	30	1	87	....	....
Wilton.....	Oct. 31, 1914	....	....	2	128	....	....
SCHENECTADY:		2	39	4	282	....	....
Duanesburg.....	Dec. 28, 1914	....	....	2	150	....	....
Glenville.....	Dec. 30, 1914	1	34	1	81	....	....
Pattersonville.....	Dec. 29, 1914	1	5	1	51	....	....
SCHOHARIE:		....	....	11	612	....	....
Breakabeen.....	Dec. 4, 1914	....	....	2	147	....	....
Broome Center.....	Dec. 3, 1914	....	....	2	160	....	....
Carlisle.....	Dec. 7, 1914	....	....	2	68	....	....
Fultonham.....	Dec. 5, 1914	....	....	2	63	....	....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE—*Continued.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
SCHOHARIE—Con.:							
Hyndsville.....	Dec. 8, 1914	....	....	2	132	....	....
Manorkill.....	Dec. 15, 1914	....	....	1	42	....	....
SCHUYLER:		5	242	7	719	....	....
Burdett.....	Mar. 12, 1915	1	46	1	150	....	....
Catherine.....	Mar. 13, 1915	1	42	1	83	....	....
Reading Center....	Mar. 11, 1915	1	50	1	155	....	....
Townsend.....	Feb. 10, 1915	1	81	1	111	....	....
Valois.....	Mar. 11, 1915	1	23	1	60	....	....
Wayne.....	Nov. 19, 1914	....	....	2	160	....	....
SENECA:		4	168	4	304	....	....
Covert.....	Mar. 9, 1915	1	33	1	101	....	....
Ovid Grange (Scott's Corners).....	Mar. 10, 1915	1	38	1	68	....	....
Romulus.....	Mar. 8, 1915	1	28	1	50	....	....
Waterloo.....	Mar. 6, 1915	1	69	1	85	....	....
STEBUEN:		11	590	13	1,020	....	....
Addison.....	Mar. 3, 1915	1	25	1	42	....	....
Atlanta.....	Mar. 3, 1915	1	39	1	95	....	....
Caton.....	Mar. 4, 1915	1	58	1	101	....	....
Greenwood.....	Feb. 24, 1915	1	61	1	154	....	....
Howard.....	Feb. 26, 1915	1	51	1	96	....	....
Ingleside.....	Nov. 24, 1914	1	75	1	70	....	....
North Urbana.....	Nov. 20, 1914	1	40	1	65	....	....
Prattsburg.....	Nov. 23, 1914	1	115	1	80	....	....
Rathbone.....	Mar. 2, 1915	1	35	1	50	....	....
Savona.....	Nov. 21, 1914	....	....	2	56	....	....
Stephens Mills....	Feb. 22, 1915	1	54	1	106	....	....
Thurston.....	Mar. 1, 1915	1	37	1	105	....	....
SUFFOLK:		4	147	5	402	....	....
Bridgehampton....	Jan. 12-13, 1915	1	26	1	42	....	....
East Northport....	Jan. 19, 1915	....	....	1	116	....	....
Orient.....	Jan. 14, 1915	1	25	1	78	....	....
Port Jefferson.....	Jan. 18, 1915	....	....	1	35	....	....
Sound Avenue.....	Jan. 16, 1915	1	60	1	131	....	....
Southold.....	Jan. 15, 1915	1	36	....	....	....	....
SULLIVAN:		6	372	6	913	....	....
Bloomingsburg.....	Dec. 2, 1914	1	42	1	131	....	....
Grahamsville.....	Dec. 4, 1914	1	104	1	262	....	....
Hurleyville.....	Dec. 3, 1914	1	22	1	116	....	....
Lake Huntington....	Nov. 30, 1914	1	41	1	122	....	....
Liberty.....	Dec. 5, 1914	1	59	1	66	....	....
Youngsville.....	Dec. 1, 1914	1	104	1	216	....	....
TIOGA:		5	283	5	469	....	....
Apalachin.....	Mar. 12-13, 1915	1	48	1	134	....	....
Barton Center.....	Mar. 15, 1915	1	38	1	78	....	....
Flemingville.....	Jan. 8, 1915	1	38	1	93	....	....
Nichols.....	Mar. 11, 1915	1	56	1	44	....	....
Spencer.....	Mar. 16, 1915	1	103	1	120	....	....
TOMPKINS:		6	152	7	313	....	....
Danby.....	Mar. 17, 1915	1	27	1	30	....	....
East Lansing.....	Feb. 27, 1915	1	37	1	57	....	....
Enfield Center.....	Mar. 18, 1915	1	18	1	53	....	....
Freeville.....	Mar. 18, 1915	1	24	1	38	....	....
Lansing.....	Mar. 1, 1915	1	32	1	48	....	....

TABLE SHOWING RECORD OF SPECIAL WOMEN'S SESSIONS, AND REGULAR INSTITUTE SESSIONS AND SPECIAL MEETINGS ADDRESSED BY WOMEN INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE — *Concluded.*

COUNTY AND PLACE OF MEETING	DATE	SPECIAL WOMEN'S SESSIONS		REGULAR INSTITUTE SESSIONS, MIXED AUDIENCES		SPECIAL MEETINGS	
		No. of sessions	Total attendance	No. of sessions	Total attendance	No. of sessions	Total attendance
TOMPKINS—Con.:							
Slaterville Springs..	Mar. 15, 1915	.....	.....	1	36	.....	.....
Speedsville.....	Jan. 7, 1915	1	14	1	51	.....	.....
ULSTER:		2	100	7	525	.....	.....
Gardiner.....	Jan. 14, 1915	.....	.....	2	185	.....	.....
Lake Katrine.....	Jan. 12, 1915	.....	.....	2	93	.....	.....
Plattekill.....	Jan. 15, 1915	1	57	1	105	.....	.....
Stone Ridge.....	Jan. 13, 1915	.....	.....	2	142	.....	.....
Woodstock.....	Jan. 11, 1915	1	43	.....	.....	.....	.....
WARREN:				7	502	.....	.....
Chestertown.....	Oct. 27, 1914	.....	.....	2	105	.....	.....
Glens Falls.....	Dec. 12, 1914	.....	.....	1	70	.....	.....
Queensbury.....	Oct. 28, 1914	.....	.....	2	144	.....	.....
Wevertown.....	Oct. 30, 1914	.....	.....	2	183	.....	.....
WASHINGTON:		10	359	11	961	.....	.....
Argyle.....	Dec. 7, 1914	1	45	1	82	.....	.....
Cambridge.....	Dec. 10, 1914	1	44	1	75	.....	.....
Easton.....	Dec. 11, 1914	1	47	1	112	.....	.....
Fort Ann.....	Dec. 3, 1914	1	32	1	65	.....	.....
Fort Miller.....	Nov. 30, 1914	1	30	1	150	.....	.....
Hartford.....	Dec. 5, 1914	1	28	1	90	.....	.....
North Granville.....	Dec. 4, 1914	1	30	1	100	.....	.....
Putnam.....	Dec. 22, 1914	1	14	1	14	.....	.....
Salem.....	Dec. 9, 1914	1	33	1	85	.....	.....
West Hebron.....	Dec. 8, 1914	1	56	1	178	.....	.....
Whitehall.....	Dec. 23, 1914	.....	.....	1	10	.....	.....
WAYNE:		5	160	9	813	.....	.....
Clyde.....	Feb. 18, 1915	1	50	1	95	.....	.....
Huron.....	Feb. 3, 1915	1	27	1	51	.....	.....
Lincoln.....	Mar. 15, 1915	.....	.....	2	285	.....	.....
Marion.....	Mar. 8, 1915	.....	.....	1	78	.....	.....
Red Creek.....	Feb. 2, 1915	1	22	1	53	.....	.....
Savannah.....	Mar. 9-10, 1915	1	36	2	146	.....	.....
South Butler.....	Feb. 19, 1915	1	25	1	105	.....	.....
WESTCHESTER:		1	32	2	352	.....	.....
Lincolndale.....	Jan. 30, 1915	.....	.....	1	300	.....	.....
Peekskill (Cortlandt Grange).....	Jan. 27, 1915	1	32	1	52	.....	.....
WYOMING:		5	255	7	851	.....	.....
Arcade.....	Feb. 16, 1915	1	50	1	220	.....	.....
Bliss.....	Feb. 18, 1915	1	50	1	124	.....	.....
Castile.....	Feb. 19, 1915	1	70	1	106	.....	.....
Cowlesville.....	Feb. 10, 1915	1	68	1	155	.....	.....
Curriers.....	Feb. 17, 1915	.....	.....	1	108	.....	.....
Varysburg.....	Feb. 15, 1915	.....	.....	1	90	.....	.....
Warsaw.....	Feb. 20, 1915	1	17	1	48	.....	.....
YATES:		6	262	6	497	.....	.....
Benton.....	Feb. 8, 1915	1	38	1	63	.....	.....
Branchport.....	Feb. 9, 1915	1	30	1	82	.....	.....
Lakemont.....	Feb. 11, 1915	1	37	1	65	.....	.....
Middlesex.....	Feb. 22, 1915	1	75	1	175	.....	.....
Penn Yan.....	Feb. 12-13, 1915	1	17	1	22	.....	.....
Rushville.....	Feb. 23, 1915	1	65	1	90	.....	.....
		288	12,043	387	35,212	15	1,004

RECAPITULATION OF WOMEN'S WORK

	NUMBER	ATTENDANCE
Special women's sessions.....	288	12,043
Regular sessions, mixed audiences.....	387	35,212
Special meetings, sessions.....	15	1,004
Totals	690	48,259

LIST OF FARMERS' INSTITUTE WORKERS, JUNE 15, 1914, TO JUNE 14, 1915, INCLUSIVE

DIRECTOR OF FARMERS' INSTITUTES

Edward van Alstyne

In Charge of Meetings

J. G. Curtis, Rochester.
 William Hotaling, Kinderhook.
 Roy P. McPherson, LeRoy.
 A. J. Nicoll, Delhi.
 Robert P. Trask, North Wilbraham, Mass.
 Jared Van Wagenen, Jr., Lawrysville.
 C. R. White, Ionia.
 D. P. Witter, Berkshire.

REGULAR LECTURERS WITH DATES OF SERVICE

Bennett, E. R., Ithaca.....	Dec. 4, 16, 19; Jan. 4-9, 21, 29; Feb. 10-11, 15-20, 26-27; Mar. 6-10 17-18.
Bonsteel, F. E., Ashville.....	Nov. 19-24, 30; Dec. 1-5; Jan. 4-11; Feb. 15-27; Mar. 1-18.
Brodhead, Dr. C. W., Montrose, Pa...	Mar. 1-18.
Curtis, J. G., Rochester.....	Nov. 30; Dec. 1-22; Jan. 4-29; Feb. 2-27; Mar. 1-18.
Dexter, Dr. Wm. Hart, Washington, D. C.....	Nov. 30; Dec. 1-23; Jan. 5-30; Feb. 1-27; Mar. 1-18.
Hamilton, Dr. M., Delhi.....	Oct. 27-31; Nov. 30; Dec. 1-22; Jan. 4-30; Feb. 1-27; Mar. 1-18.
Harrington, Mrs. Ida S., Albany.....	Nov. 19-24, 30; Dec. 1-12; Jan. 4-30; Feb. 1-27; Mar. 1-18, 24.
Heaton, Dr. Lucia E., Canton.....	Nov. 30; Dec. 1-12; Jan. 13-20; Feb. 1-26.
Hotaling, William, Kinderhook.....	Sept 25; Oct. 8, 27-31; Nov. 7, 0; Dec. 1-22, 28-30; Jan. 4-30; Feb. 1-25; Mar. 1-18.
Jones, Mrs. D. A., Worcester.....	Nov. 30; Dec. 1-23; Jan. 4-29; Feb. 1-26; Mar. 1-18.
Jones, Miss Jennie C., Paris.....	Dec. 14-23; Jan. 18-28; Mar. 9-11.
McPherson, Roy P., LeRoy.....	Nov. 19-24; Dec. 7-22; Jan. 4-6, 9-30; Feb. 1-27; Mar. 1-18.
Monroe, Mrs. Mary T., Dryden.....	Oct. 27-31; Nov. 19-24, 30; Dec. 1-22, 28-30; Jan. 12-30; Feb. 1-27; Mar. 1-18, 24-25.

REGULAR LECTURERS WITH DATES OF SERVICE—*Concluded*

Montgomery, Miss Etta E., Silver Creek	Dec. 5, 14-22; Feb. 1-5; Mar. 1-18.
Nicoll, A. J., Delhi.....	Nov. 19-24, 30; Dec. 1-23, 29-31; Jan. 4-30; Feb. 1-26; Mar. 1-18, 24.
Phelps, Mrs. Orra P., Canton.....	Dec. 8-22; Jan. 4-13; Feb. 12-27; Mar. 1-15.
Santee, Dr. E. M., Cortland.....	Nov. 30; Dec. 1-23; Jan. 4-30; Feb. 1-27; Mar. 1-18.
Trask, Robert P., North Wilbraham, Mass.	Nov. 30; Dec. 1-23; Jan. 4-29.
Van Wagenan Jared, Jr., Lawyersville	Nov. 19, 30; Dec. 1-23, 28-30; Jan. 8, 12-21, 29; Feb. 1-6, 25; Mar. 5-11, 16-17, 23.
White, C. R., Ionia.....	Nov. 20-24, 30; Dec. 1-23; Jan. 14-18, 22-30; Feb. 1-9, 12-27; Mar. 1-18.
Witter, D. P., Berkshire.....	Nov. 30; Dec. 1-22; Jan. 4-30; Feb. 1-27; Mar. 1-18.

LECTURERS FROM STATE DEPARTMENT OF AGRICULTURE.

Dr. J. F. DeVine, Consulting Veterinarian, Goshen, N. Y.
 C. C. Mitchell, Bureau of Cooperation, Albany, N. Y.
 L. F. Strickland, Nursery Inspector, Lockport, N. Y.

LECTURERS FROM STATE COLLEGE OF AGRICULTURE

M. F. Barrus, Extension Professor of Plant Pathology, Ithaca, N. Y.
 Geo. W. Cavanaugh, Professor of Chemistry, Ithaca, N. Y.
 L. J. Cross, Professor of Chemistry, Ithaca, N. Y.
 R. W. Curtis, Professor of Landscape Art, Ithaca, N. Y.
 E. O. Fippin, Extension Professor of Soil Technology, Ithaca, N. Y.
 Miss Helen Knowlton, Instructor in Home Economics, Ithaca, N. Y.
 R. S. Moseley, Assistant, Poultry Department, Ithaca, N. Y.
 V. B. Stewart, Assistant Professor of Plant Pathology, Ithaca, N. Y.
 A. E. Wilkinson, Extension Instructor, Ithaca, N. Y.
 H. H. Wing, Professor of Animal Husbandry, Ithaca, N. Y.

LECTURERS FROM NEW YORK AGRICULTURAL EXPERIMENT STATION

R. D. Anthony, Associate Horticulturist, Geneva, N. Y.
 F. E. Gladwin, Associate Horticulturist, Fredonia, N. Y.
 F. Z. Hartzell, Associate Entomologist, Fredonia, N. Y.
 U. P. Hedrick, Horticulturist, Geneva, N. Y.
 P. J. Parrott, Entomologist, Geneva, N. Y.
 Geo. A. Smith, Dairy Expert, Geneva, N. Y.
 F. C. Stewart, Botanist, Geneva, N. Y.
 O. M. Taylor, Foreman in Horticulture, Geneva, N. Y.

LECTURERS FROM STATE COLLEGE OF FORESTRY

S. W. Allen, Syracuse, N. Y.
 Hugh P. Baker, Dean, Syracuse, N. Y.
 J. W. Stephen, Assistant Professor of Silviculture, Syracuse, N. Y.

LECTURERS FROM STATE SCHOOLS OF AGRICULTURE

J. F. Eastman, Morrisville, N. Y.
 A. B. Graham, Farmingdale, N. Y.
 F. G. Helyar, Morrisville, N. Y.
 Van E. Leavitt, Morrisville, N. Y.
 John Michels, Farmingdale, N. Y.
 W. B. Nissley, Farmingdale, N. Y.

LECTURERS FROM STATE EDUCATION DEPARTMENT

Dr. Arthur D. Dean, Chief of Vocational Schools, Albany, N. Y.
 Dr. E. P. Felt, State Entomologist, Albany, N. Y.
 Dr. Thos. E. Finegan, Assistant Commissioner of Education, Albany, N. Y.

LECTURERS FROM STATE CONSERVATION COMMISSION

Geo. L. Barrus, Director of Forest Investigations, Albany, N. Y.

LECTURERS FROM NEW JERSEY AGRICULTURAL EXPERIMENT STATION

Alva Agee, Chief of Agricultural Extension Work, New Brunswick, N. J.
 H. R. Lewis, Poultry Husbandman, New Brunswick, N. J.
 F. C. Minckler, Professor of Animal Husbandry, New Brunswick, N. J.

SPECIAL LECTURERS

E. S. Akin, Glens Falls, N. Y.
 M. C. Burritt, Ithaca, N. Y.
 Nathan Cohen, New York City.
 H. W. Collingwood, New York City.
 H. E. Cox, Geneseo, N. Y.
 F. E. Dawley, Fayetteville, N. Y.
 Hon. John J. Dillon, New York City.
 John A. Ennis, Pattersonville, N. Y.
 H. A. Harpending, Dundee, N. Y.
 Geo. W. Harris, Baldwinsville, N. Y.
 Dean J. L. Hills, Burlington, Vt.
 John Jeannin, Jr., West Sand Lake, N. Y.
 A. B. Katkamier, Macedon, N. Y.
 Marion Lewis, Cameron Mills, N. Y.
 T. E. Martin, West Rush, N. Y.
 Miss Katherine Mills, Buffalo, N. Y.
 Mrs. Rose Morgan, New York City.
 Dr. J. C. Mulvey, Mooers, N. Y.
 J. W. Pincus, New York City.
 I. F. Rice, Cortland, N. Y.
 J. W. Sanborn, Pittsfield, N. H.
 H. G. Sibbald, Claud, Ontario, Canada
 F. A. Sirrene, Riverhead, N. Y.
 Ezra A. Tuttle, New York City.
 Dean R. L. Watts, State College, Pa.
 L. A. Webster, Whiting, Vt.
 Joseph E. Wing, Mechanicsburg, Ohio.
 Dr. E. L. Volgenau, Buffalo, N. Y.

FARMERS' DAYS

As the table below shows, with the exception of Albion and Schuylerville, the Farmers' Day meetings did not receive the numerical support which the character of the program and the necessary expense involved in the holdings of such meetings would seem to warrant. Unless the Director shall have positive assurance of attendance and interest commensurate with the effort, no attempt will be made to conduct meetings of this character in the future.

COUNTY AND PLACE	CORRESPONDENT	DATE	SESSION	AVERAGE	
				PER ATTEND ANCE	SES- SION
Livingston:		1915			
Dansville.....	J. M. Foster..	Mar. 9-10-11	8	1,268	159
Orleans:					
Albion.....	John Bidelman	Mar. 15-16-17	8	2,291	236
Oswego:		1914			
Oswego.....	F. H. Tullar.	Dec. 7-8-9	8	428	54
Saratoga:		1915			
Schuylerville.....	A. C. Lottridge	Mar. 23-24-25	8	1,474	184
Wayne:					
Lyons.....	D. V. Teller..	Mar. 16-17-18	8	601	75
Totals			40	6,062	152

As always, Albion, in Orleans county, was the banner large meeting of the year. A detailed report of addresses and discussions at the Albion meeting is given in Bulletin 74, Part II.

SPECIAL LECTURES

Owing to lack of funds, thirty less special lectures were given than in 1912-13. It was with much regret that request after request for these special lectures had to be refused. Two places where a series of special lectures were held are worthy of special mention, namely, at Rome and at Perryville. The lectures at Rome were given under the direction of Mr. W. G. Searles, Secretary of the Chamber of Commerce. A series of nine lectures were held, one each week, Cornell University supplying a portion of the lectures.

Perryville, Madison county, had a series of four lectures, under the auspices of Rev. Feder C. Ether, pastor of one of the local churches. In this case the lecturer spoke both in the afternoon

and evening. Speakers, subjects, etc., are shown in above-mentioned table under Madison county.

Two lectures on general farming were delivered by Mr. Jared Van Wagenen, Jr., at the East Side Y. M. C. A., New York City.

LECTURES FOR JEWISH FARMERS

For the two previous years, as noted in the reports, special meetings have been held among the Jewish farmers, of whom there are an increasing number in our State. Such are in particular need of help. For nearly two thousand years they have had little to do with land, and the inherent love of the soil so prominent in the minds of most other races is largely lacking among the Hebrews. They must be both inspired and instructed.

Cooperating with Mr. J. W. Pincus, Secretary of the Federation of Jewish Farmers of America, who selected the places and made arrangements for the meetings, Mr. F. E. Bonsteel held eight meetings in Sullivan and Ulster counties, where there is a large Jewish settlement. Mr. Bonsteel was assisted by Mr. Nathan Cohen, who in many cases acted as an interpreter. Mr. John A. Ennis held a similar meeting at Manlius, Onondaga county. Mr. William Hotaling and Mr. Cohen also visited a Jewish settlement near Sand Lake, Rensselaer county, where the former gave practical demonstrations in horticulture. Of necessity, the instruction given to these people must be inspiring and simple, and withal must cover a wide field. From the reports received, this work was especially appreciated and unquestionably productive of much good.

MISCELLANEOUS MEETINGS TO WHICH DEPARTMENT SPEAKERS WERE SENT

COUNTY AND PLACE	DATE	SESSIONS	ATTENDANCE	SPEAKER	SUBJECT
ALBANY:					
Albany	Dec. 7, 1914	1	28	Wm. Hoteling	Poultry.
Guilderland Center	Jan. 25, 1915	1	28	Mrs. I. S. Harrington	Home topics.
Rensselaerville	May 28, 1915	1	65	Edward van Alstyne	The farmer and the church.
South Bethlehem	May 7, 1915	1	36	Edward van Alstyne	Arbor Day.
ALLEGANY:					
Beech Hill Pavilion.	May 28, 1915	1	300	F. E. Bonsteel	Club work, school law.
BROOME:					
Binghamton	Feb. 25-27, 1915	3	280	C. R. White	Fertility, potatoes, fruits and vegetables.
CHAUTAUQUA:					
Brocton	Dec. 19, 1914	1	50	E. R. Bennett	Fruit.
CHENANGO:					
Afton	May 7, 1915	1	325	Jared Van Wagenen, Jr.	Arbor Day.
CLINTON:					
Plattsburg	June 17, 1914	1	600	Mrs. Rose Morgan	Music.
COLUMBIA:					
New Lebanon	May 26, 1915	1	22	Jared Van Wagenen, Jr.	Dairying and feeding.

CORTLAND:	Hunts Corners.....	Mar.	16, 1915	1	18	Mrs. I. S. Harrington.....	Home topics.
	Scott.....	Mar.	15, 1915	1	33	Mrs. I. S. Harrington.....	Home topics.
DUTCHESS:	Lake Hammersley.....	May	28, 1915	1	50	Valancy E. Fuller.....	Feeding.
ERIE:	Clarence Center.....	Mar.	12, 1915	2	63	Mrs. I. S. Harrington.....	Home topics.
	Collins Center.....	Mar.	13, 1915	2	90	Mrs. I. S. Harrington.....	Home topics.
GREENE:	Coxsackie.....	Nov.	7, 1914	1	46	Wm. Hotaling.....	Fruit, apple packing law.
	East Jewett.....	Feb.	1-2, 1915	2	70	John A. Ennis.....	Dairying.
	Freehold.....	Sept.	25, 1914	1	86	Wm. Hotaling.....	Apple packing law.
	Hensonville.....	Feb.	4, 1915	1	28	John A. Ennis.....	Dairying.
	West Cocksackie.....	Jan.	22-23, 1915	2	100	Mrs. I. S. Harrington.....	Home topics.
	West Cocksackie.....	May	24-26, 1915	6	371	Mrs. I. S. Harrington.....	Home topics.
	Windham.....	Feb.	5, 1915	1	32	John A. Ennis.....	Dairying.
JEFFERSON:	Point Peninsular.....	Feb.	12, 1915	1	35	Mrs. O. P. Phelps.....	Home topics.
	Watertown.....	April	14, 1915	1	10	A. J. Nicoll.....	Cow testing.
KINGS:	Brooklyn.....	May	7, 1915	2	2,500	W. B. Nissley.....	Arbor Day.
MADISON:	Perryville.....	Jan.	29, 1915	2	68	E. R. Bennett.....	Farm crops.
	Perryville.....	Feb.	2, 1915	2	58	Jared Van Wagenen, Jr.....	Dairying.
	Perryville.....	Feb.	24, 1915	2	19	I. F. Rice.....	Poultry.
	Perryville.....	Mar.	18, 1915	2	57	Dr. Wm. H. Dexter.....	Farm management, country church.

MISCELLANEOUS MEETINGS TO WHICH DEPARTMENT SPEAKERS WERE SENT — (Continued)

COUNTY AND PLACE	DATE	SESSIONS	ATTENDANCE	SPEAKER	SUBJECT
NEW YORK:					
New York (East Side Branch Y. M. C. A.)	Mar. 6, 1915	1	80	Jared Van Wagenen, Jr.	General farming.
New York (East Side Branch Y. M. C. A.)	Apr. 22, 1915	1	65	Jared Van Wagenen, Jr.	General farming.
NIAGARA:					
Middleport	Dec. 5, 1914	1	125	Miss E. E. Montgomery	Home topics.
ONEIDA:					
Rome	Jan. 9, 1915	1	160	Robt. P. Trask	Poultry.
Rome	Jan. 16, 1915	1	150	H. B. Harpending	Swine.
Rome	Jan. 23, 1915	1	50	H. H. Wing	Milk production.
Rome	Jan. 30, 1915	1	45	Jared Van Wagenen, Jr.	Soils.
Rome	Feb. 6, 1915	1	14	R. W. Curtis	Shade trees.
Rome	Feb. 13, 1915	1	56	Wm. Hotaling	Orchards.
Rome	Feb. 20, 1915	1	60	A. E. Wilkinson	Market gardening.
Utica	Dec. 4, 1914	1	28	E. R. Bennett	Fruit.
Utica	Jan. 25, 1915	1	100	A. J. Nicoll	Cow testing.
ONONDAGA:					
Manlius	Feb. 8, 1915	1	27	John A. Ennis	General agriculture.
Syracuse	Jan. 11, 1915	1	67	F. E. Bonsteel	Potatoes.
Syracuse	Jan. 16, 1915	2	140	L. A. Webster	Sheep.
Syracuse	Feb. 1, 1915	2	49	Jared Van Wagenen, Jr.	Dairying.

ORANGE:									
Port Jarvis.....	Oct.	8, 1911	1	72	Wm. Hotaling.....	Poultry.			
OSWEGO:									
Fulton.....	Dec.	15-16, 1914	3	380	Marion Lewis.....	Poultry, horses.			
					E. R. Bennett.....	Fruit, vegetables.			
					T. E. Martin.....	Drainage.			
Williamstown.....	Oct.	30, 1914	3	725	A. B. Katkanier.....	Potatoes, nature study, co-operation.			
OTSEGO:									
Elk Creek.....	Dec.	30, 1914	1	15	A. J. Nicoll.....	Dairying.			
Hartwick.....	Jan.	14-15, 1915	2	70	L. A. Webster.....	Sheep.			
Hartwick.....	Mar.	2, 1915	1	37	F. E. Dayley.....	Sheep.			
Schenectus.....	Dec.	31, 1914	1	22	A. J. Nicoll.....	Dairying.			
Westford.....	Dec.	29, 1914	1	40	A. J. Nicoll.....	Dairying.			
Wrester.....	Aug.	21, 1914	1	200	John Jeannin, Jr.....	Better flowers, fruits and vegetables and how to grow them.			
RENSSELAER:									
East Greenbush.....	Feb.	3, 1915	1	83	Jared Van Wageningen, Jr.....	Corn.			
Troy.....	April	19, 1915	1	400	John Jeannin, Jr.....	Gardening.			
ROCKLAND:									
Stony Point.....	May	7, 1915	2	183	Wm. Hotaling.....	Arbor Day; combating insects (fol- lowed by demonstration); control insects on shade trees.			
SARATOGA:									
Charlton.....	Feb.	4, 1915	1	84	Jared Van Wageningen, Jr.....	General agriculture.			
SULLIVAN:									
Narrowsburg.....	Jan.	23, 1915	2	104	Robt. P. Trask.....	Poultry.			
Centerville Station.....	Jan.	7, 1915	2	116	F. E. Bonstedt.....	Crop rotation.			
					Nathan Cohen.....	Line.			
Fallsburg.....	Jan.	6, 1915	1	23	F. E. Bonstedt.....	Crop rotation.			
					Nathan Cohen.....	Line, early crops.			

MISCELLANEOUS MEETINGS TO WHICH DEPARTMENT SPEAKERS WERE SENT — (Concluded)

COUNTY AND PLACE	DATE	SESSIONS	ATTENDANCE	SPEAKER	SUBJECT
SULLIVAN—Con.: Ferdale.....	Jan. 5, 1915	1	13	F. E. Bonsteel.....	Crop rotation.
Monticello.....	Jan. 4, 1915	1	9	Nathan Cohen.....	Insects and diseases.
Parksville.....	Jan. 4, 1915	1	27	F. E. Bonsteel.....	Crop rotation.
				Nathan Cohen.....	Lime.
				F. E. Bonsteel.....	Crop rotation.
				Nathan Cohen.....	Seed testing.
ULSTER: Ellenville.....	Jan. 8, 1915	1	32	F. E. Bonsteel.....	Crop rotation, dairying.
Greenfield.....	Jan. 9, 1916	1	54	Nathan Cohen.....	Insects and diseases of fruit trees.
Wallkill.....	Feb. 6, 1915	1	83	F. E. Bonsteel.....	Crop rotation, dairying.
				Nathan Cohen.....	Lime.
				Jared Van Wagenen, Jr.....	Dairying.
WASHINGTON: Granville.....	Oct. 28, 1914	1	75	Jared Van Wagenen, Jr.....	Corn.
WYOMING: Attica.....	Feb. 25, 1915	1	63	Jared Van Wagenen, Jr.....	Breeding.
YATES: Bellona.....	Jan. 22, 1915	3	204	I. F. Rice.....	Poultry.
Totals.....		98	9,798		

COOPERATIVE WORK WITH COLUMBIA UNIVERSITY, NEW YORK CITY

No work of the Bureau had such enthusiastic support as that carried on with Professor O. S. Morgan, head of the Agricultural Department of Columbia University. Beginning January 15, 1915, and continuing to April 23, 1915, every Friday, there was present at Professor Morgan's office either a representative of the Agricultural Department of Columbia University or of the Department of Agriculture at Albany, for the purpose of meeting those from the city or elsewhere who were interested in agriculture. The scope of the inquiries is indicated by the following from the report of Professor Morgan:

Information concerning State schools of agriculture, and winter courses, short courses, college courses, graduate and correspondence courses of State colleges of agriculture.

How to prepare for extension and county agent positions. How to prepare for farm superintendency, and milk inspector. How to get practice in actual farming of various sorts, especially truck, fruit, poultry, hog and dairy.

School gardening problems.

How much income to be expected from various amounts invested in farming of various types.

List of reliable agricultural books, bulletins, and periodicals.

Positions wanted on typically good farms—Many willing to work for board; others wanting managership.

Places for sale, rent or partnership.

Crop rotation and fertilizer plans for definite farms in various sections of the east.

Dairy farming on Atlantic Coast as compared with dairying in California.

Liming, phosphate carriers, substitutes for potash, radium "fertilizers," fertilizers for legumes and for a mixtures of grasses and legumes.

The culture of alfalfa, soy bean, vetches, etc., in eastern farming.

Catch crops, cover crops, green manuring.

Orchard problems, including advice on culture of quince, pecan, walnut and fig.

Special information on fruit packages, and where to get training in fruit and vegetable packing.

Farm building, silo, dairy barns, farm machinery, especially gas engines and tractor.

Analyses of rock, shale, soil, muck, fertilizers, feeds, seeds and spring water.

How to control a balky horse. How to treat diseases of chickens, hogs and cattle. How to raise veal on skim milk. How to make butter.

Where to apply for family provision baskets of garden, poultry and dairy products.

Wood-lot problems.

Where to go to become a forester; a landscape architect.

How work up a farmers' credit loan scheme. How devise a scheme to eliminate unnecessary middlemen.

How establish a community of farmers on cooperative equal share basis.

How put into practice in farming the chain-store plan.

Request for information on a series of morally clean moving picture shows.

The question that most frequently occurred was that relating to necessary finances, experience for and the likely income from farming. The impression that one has ground into him, whether he wishes it or not, is that the city man's mind is still possessed of the false idea that a very considerable and peculiar novitiate is not necessary for him who would earn his bread and obtain interest on his investment by farming. Until the city man's mind is disabused of this conception there will be a proper and fertile field for the Institute in New York City.

All the publications of the Department of Agriculture were available for distribution at Professor Morgan's office.

At four o'clock on each afternoon a lecture was given as shown on the program following. The attendance indicates the appreciation to a degree only. To understand it to the full one must have been present and observed the intense interest and eager questioning. Nor was this the full extent of this work. It has resulted in a correspondence with the college, the Director of Institutes, and the several speakers, too far reaching to attempt to estimate.

For this work \$500 has been expended for rent and janitor services, and \$190.43 for lecture fees and expenses. At first glance this may appear too great as compared with the amount expended in the up-State counties, but when one considers that Greater New York pays a large percentage of the funds for this, as well as other State expenditures, the proportion does not seem unduly great. And there is no other line of work more productive of results, negative as well as positive.

PROGRAM AND ATTENDANCE AT LECTURES

INSTITUTE FOR CITY DWELLING FARMERS

This course is offered without charge to all people in and about New York City who are interested in any phase of practical scientific farming. The university through its department of agriculture cooperates with the New York State Department of Agriculture in giving the lectures and in offering free consultation on farm problems. A representative will be in attendance in Room 511, Schermerhorn Hall, every Friday, beginning January 15, 1915.

Place of Lecture—305 Schermerhorn Hall, Columbia University, New York City.

Time—4:10-5:00 P. M., Friday.

FRIDAY

ATTENDANCE

Jan.	15—	"The Outlook of the City Man to Farming," O. S. Morgan, Professor of Agriculture, Columbia University.....	110
Jan.	22—	"Essential Factors in Poultry Management," Robert P. Trask, Poultry Specialist, New York State Farmers' Institute	130
Jan.	29—	"Soil Composition and Crop Requirements," O. S. Morgan.	105
Feb.	5—	"Drainage, Importance and Methods," Jared Van Wagenen, Jr., Lecturer, New York State Farmers' Institute.....	95
Feb.	12—	"Manures and Fertilizers," O. S. Morgan.....	110
Feb.	19—	"Humus and Lime," Prof. Alva Agee, N. J. Agricultural Experiment Station.....	110
Feb.	26—	"Corn: Seed, Culture and the Silo," O. S. Morgan.....	105
March	5—	"Timothy Hay.—A Profitable Crop on Some Eastern New York Farms," Jared Van Wagenen, Jr.....	100
March	12—	"Clover, Alfalfa and other Legumes," O. S. Morgan.....	110
March	19—	"Essentials of Vegetable Gardening," Director R. L. Watts, Pennsylvania State College of Agriculture and Agricultural Experiment Station.....	120
March	26—	"Potato Growing in the East," Prof. Alva Agee.....	105

WEDNESDAY

March	31—	"Tree Fruits," Dr. U. P. Hedrick, Horticulturist, New York Agricultural Experiment Station, Geneva, N. Y.....	80
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FRIDAY

April	9—	"Small Fruits," O. M. Taylor, Foreman in Horticulture, New York Agricultural Experiment Station, Geneva, N. Y.	92
April	16—	"Swine on New York Farms," F. C. Minkler, Animal Husbandman, State College of Agriculture, New Brunswick, N. J.	70
April	23—	"Dairy Farming in New York State," Jared Van Wagenen, Jr.	70
Total			1,512

"FOLLOW-UP" WORK

This work, also, was greatly handicapped owing to lack of funds. Two hundred and three farms were visited, 161 less than in 1913-14. Had the means been available to meet the requests for work of this kind, more rather than less of it would have resulted — this in spite of the fact that such work is done only in counties having no farm bureaus. Aside from the value to individuals

and neighborhoods, this work has been the forerunner and inspirer of the organization of farm bureaus, the county of Tioga being a notable example. In this, his home county, Mr. D. P. Witter has done much work of this sort, with the result that a farm bureau organization has already been formed with over four hundred members—much more than the necessary ten per cent of the farmers required before a bureau can receive State and Federal aid. In 1916 they will secure their own farm bureau manager. In the meantime Mr. Witter will do all possible for the farm bureau directly under the Bureau of Farmers' Institutes.

Experiments with fertilizers were made on the farm of The Empire State Pickling Company, Phelps, N. Y., 1914, under the direction of D. P. Witter in extension work.

For many years men well informed in the results from the use of commercial fertilizers, have realized that when acid phosphate was used on the land in liberal quantities the use of potash was not always profitable; yet most farmers have continued to buy a larger quantity of potash than of the other elements of plant food, usually buying a 2-8-10 mixed fertilizer. Agents have recommended this mixture, as the profit on this grade of goods is much more than on the chemicals or on a better grade of mixed fertilizers.

Results from the experiments mentioned above would seem to indicate quite clearly, so far as one experiment will prove anything, that where lime and acid phosphate are used on land other than muck land, in the glacial sections of this country, the use of potash is not always profitable. A detailed report of these experiments may be found in Bulletin 74, Part I.

COUNTY SURVEY WORK

An entirely new line of work was undertaken in the fall of 1914 in the counties of Saratoga, Washington, and Warren, contributory to Glens Falls. At the request of the Chamber of Commerce of that city, Mr. John A. Ennis, of the Bureau of Farmers' Institutes, with Mr. H. E. Babcock, Assistant Director of Farm Bureaus, spent most of a week in the above-mentioned territory, ascertaining the character of the agriculture with particular attention to what portion of the products of the farms were marketed in Glens Falls, a wealthy city of 16,000.

With the exception of poultry, the bulk of the products consumed in the city, which could be grown in the surrounding country, came from a distance. Even a large portion of the milk came from Vermont. One dealer paid over \$400 for western-boxed apples. The bulk of the potatoes, mutton and pork were also brought from a distance, yet the surrounding country did once and can still produce all these things, and at their best. Most of it is excellent farming land. A difference was found in the production of dairies of from \$45 to \$125 per cow. Here was evidently a lack of coordinate effort and local leadership.

A report of the survey was later made at a meeting of citizens at Glens Falls. Probably a farm bureau will eventually result. These facts will make valuable material for institute workers in this section during the coming winter.

COW TESTING ASSOCIATIONS

With gratification and some pride attention is called to the tabulation of the cow-testing association work. Despite the loss of eleven associations, the handicap from lack of funds during the summer which prevented any pioneer work, and the spread of the foot-and-mouth disease during the winter, there are now doing business thirty-seven associations, with approximately 930 members and 19,963 cows. Were the three associations organized since the close of the calendar year, June 14, added, New York would have one-fourth of all the associations in the entire United States—this without a dollar of appropriation other than that from the institute funds.

The maintenance and advance of the work has been made possible by the cooperation of the farm bureau managers. Only three associations have been organized in counties in which there are no farm bureaus. The illustrations given in the following pages from the report of Mr. A. J. Nicoll, bear testimony to the value of this work.

Mr. John A. Ennis spent the month of January at the State School of Agriculture at Alfred instructing a class of young men from the dairy division in cow testing work. From this class have come some of our most efficient testers. Mr. F. G. Helyar, Director of the State School of Agriculture at Morrisville, has also specialized in training young men for similar service.

LIST OF COW TESTING ASSOCIATIONS IN OPERATION JUNE 14, 1915

COUNTY AND ASSOCIATION	DATE BEGAN WORK	PRESIDENT	TESTER
BROOME: Susquehanna Valley.....	Nov. 11, 1914	A. B. Griffin, Susquehanna, Pa., R. 6.	John A. Sanford, Windsor.
CATTARAUGUS: Conewango Valley..... Ischua Valley.....	April 1, 1915 April 1, 1912	Glenn W. Hall, Dayton..... E. B. Farwell, Ischua.....	E. J. Sardeson, Fredonia. Paul L. Green, Ischua.
CHAUTAUQUA: Carroll.....	April 1, 1911	H. W. Ayres, Jamestown.....	Ernest Engdahl, care H. W. Ayres.
CHEMUNG: Northern Chemung.....	April 16, 1914	Oscar Kahler, Elmira.....	J. A. Birkland, care Harry Strivings, Corning, R. 1.
CHENANGO: New Berlin..... West Chenango.....	May 1, 1915 Mar. 7, 1915	G. B. Low, New Berlin..... C. E. Greene, Greene.....	Wm. E. Day, New Berlin. James Ball, Greene.
CORTLAND: Cortland County Central Dairy Improvement Association..... Cortland County Dairy Improvement Association..... Cortland County South Dairy Improvement Association.....	June 17, 1914 June 1, 1914 June 11, 1914	Homer H. Jones, Homer..... Bert Leamy, Truxton..... Richard Phalen, Marathon.....	Harry Bentley, Cortlandville. A. B. Brown, Homer. Stewart F. Greene, Marathon.
DELAWARE: Andes-Bovina (Delhi and Bovina combined).....	May 1, 1910	A. J. Nicoll, Delhi.....	James Calhoun, Andes.

Bloomville.....	Mar.	22, 1915	D. I. Cameron, Bloomville.....	J. H. Tilley, Bloomville.
Cannonville and Deposit.....	April	1, 1911	Henry Alexander, Kelsey.....	Chauncey Hoag, Deposit.
Roxbury.....	Nov.	1, 1912	Bruce Meade, Roxbury.....	J. R. Connolly, Roxbury.
Walton.....	Dec.	10, 1914	J. Q. Barlow, Beerston.....	Earl Love, Walton.
ERIE:				
Chaffee-Sardinia.....	June	1, 1915	Jesse Ward, Chaffee.....	Roland F. Bucknam, East Aurora.
JEFFERSON:				
Jefferson County No. 1.....	April	17, 1912	Fred B. Clark, Carthage, R. D. 3....	Chas. Tift, Lacona.
Smithville-Chaumont.....	May	14, 1913	G. S. Robbins, Adams, R. 4.....	Bert Shannon, Smithville.
LEWIS:				
Lowville.....	April	20, 1914	Eugene Arthur, Lowville.....	Leon Ohnstead, Lowville.
ONEIDA:				
Holland Patent (formerly Westernville).....	April	15, 1913	F. H. Thompson, Holland Patent....	Millard Thayer, Holland Patent.
Oriskany Valley (formerly Knoxboro).....	May	3, 1913	John W. Weaver, Clinton, R. D.....	Oscar Agne, Verona.
Vernon-Verona.....	Mar.	1, 1914	Chas. Stellwagon, Verona.....	Ray Taylor, care C. Stellwagon.
Waterville (formerly Sangerfield)....	Dec.	15, 1912	Sinclair Coventry, New Hartford.....	C. R. Hart, care S. Coventry.
ONONDAGA:				
Farm Bureau Assn., No. 3 (Marcellus, Otisco, Tully and Fabius)....	July,	1914	*	Floyd Tucker, Navarino.
Farm Bureau Assn., No. 4 (Lysander and Van Buren).....	June,	1914	*	O. S. Kelly, Lysander.
OTSEGO:				
Cooperstown.....	Nov.	1, 1914	Claude Whipple, Cooperstown.....	John H. Blake, Cooperstown.
Otsego, No. 1.....	Dec.	1, 1912	Andrew Z. Carlton, Morris.....	Walter Cornell, West Laurens.
Springfield and Cherry Valley.....	Nov.	9, 1914	Floyd Hooker, Cherry Valley.....	Robt. J. Harbison, Cherry Valley.
ST. LAWRENCE:				
Stockholm.....	April	11, 1914	V. H. Ballou, Windthrop.....	Earl E. Moulton, North Stockholm.

* No officers elected.

COUNTY AND ASSOCIATION	DATE BEGAN WORK	PRESIDENT	TESTER
TOMPKINS:			
Ithaca.....	May 1, 1908	Dept. of Dairy Industry, Cornell University.....	L. E. Filkins, North Lansing.
ULSTER:			
Rondout Valley.....	May 1, 1915	*	Howard Fleming, Walden.
Wallkill.....	Dec. 1, 1914	Frank Du Bois, Wallkill.....	Hugh E. Du Bois, Wallkill.
WASHINGTON:			
Hartford-Hebron.....	April 24, 1913	E. B. Norton, Hartford.....	Chas. N. Eddy, Hartford.
YOMING:			
Wattica.....	Nov. 1, 1914	C. H. Waite, Attica.....	R. A. Daggett, Attica.
Java.....	July 1, 1914	A. E. Nichols, Java.....	Theo. Clausen, Java.
Perry-Pike-Gainesville.....	June 1, 1913	John L. Fuller, Castile.....	Harold Peet, Pike.
Warsaw.....	July 14, 1914	H. W. Avery, Warsaw.....	J. B. Giles, Warsaw.

* Officers not yet chosen.

STATE FAIR

The exhibit at the State Fair inaugurated last year was repeated. As indicated in the illustration, the quarters were much more ample than the previous year, the Institute Bureau proper having a booth in the center of the wing of the Liberal Arts Building. The cow-testing association exhibit in charge of Messrs. Nicoll and Ennis was located in the corner opposite, in line with the farm bureau exhibit to which it is so closely allied. Located, as it was, away from other agricultural and institutional exhibits, there were not the throngs about the booth that there were a year ago. Nevertheless, the fact that the Institute Bureau has headquarters at the Fair has become established, and to its booth gravitated those seeking specific information or literature on agricultural subjects, which the Bureau dispenses. Others have found the booth a most acceptable place where they may express themselves as to the work in their localities.

The booth was in charge of W. F. McDonough, Assistant to the Director. Messrs. McPherson, Van Wagenen and Witter were each in attendance two days, the Director being present part of the time. All of these found their time fully occupied.

FARM BUREAUS

So intimate has been the relation between the farm bureaus and the Bureau of Farmers' Institutes that it was given a section in the Director's report a year ago, although there was no official relation between them. As noted in the introduction, the Director of Farmers' Institutes is now the official head of the farm bureaus as they relate to the Department of Agriculture and has been made a member of the committee composed of Dean B. T. Galloway and Professors G. F. Warren, J. L. Stone and A. R. Mann, State College of Agriculture, Ithaca, and Director of Farm Bureaus, M. C. Burritt, Ithaca, to pass on the credentials of aspirants for the position of farm bureau managers. This has brought the Director of Farmers' Institutes and the Director of Farm Bureaus in even more intimate relations than heretofore existed — to the advantage of the institutes, and, it is hoped, to the bureaus.

All the bureau men have their expenses paid to, and are expected to attend the Normal Institute, where they partake in the discussion and receive the same instruction given to the institute workers. With one exception they assisted at the institutes in their respective counties, being a most vital factor in making the work applicable to the locality.

The county conferences are held in the bureau offices. During the past year, owing to the inability of the Director of Farmers' Institutes to attend most of the conferences, ten were held by the bureau managers, who located the institutes and suggested the programs for their respective counties.

Whenever possible, assistance has been given the bureaus by the Director of Farmers' Institutes. All of the above indicates team work and adds to the effectiveness of both farm bureaus and farmers' institutes.

COMPLETE LIST OF ORGANIZED FARM BUREAUS IN NEW YORK STATE UP TO
JUNE, 14, 1915.

County	Manager	Headquarters
Allegany	F. C. Smith.....	Wellsville.
Broome	S. R. Minns.....	Chamber of Commerce, Binghamton.
Cattaraugus	H. K. Crofoot.....	Olean.
Cayuga	J. R. Teall.....	Auburn.
Chautauqua	H. B. Rogers.....	Chautauqua.
Chemung	M. E. Chubbuck....	Chamber of Commerce, Elmira.
Chenango	E. P. Smith.....	Norwich.
Clinton	C. B. Tillson.....	Plattsburg.
Cortland	E. H. Forristall....	Cortland.
Delaware	T. M. Avery.....	Walton.
Dutchess	F. H. Lacy.....	25 Market street, Poughkeepsie.
Erie	W. L. Markham....	Chamber of Commerce, Buffalo.
Franklin	O. F. Ross.....	Malone.
Herkimer	C. A. Taylor.....	Herkimer.
Jefferson	F. E. Robertson....	Watertown.
Monroe	L. A. Toan.....	Chamber of Commerce, Rochester.
Montgomery	A. S. Merchant....	Canajoharie.
Nassau	L. R. Simons.....	Mineola.
Niagara	E. H. Anderson....	Board of Trade, Lockport.
Oneida	G. W. Bush.....	Chamber of Commerce, Utica.
Onondaga	S. A. Martin.....	112 Court house, Syracuse.
Orange	T. E. Milliman....	Goshen.
Oswego	E. V. Underwood...	Oswego.
Otsego	F. S. Barlow.....	Board of Trade, Cooperstown.
St. Lawrence.....	C. S. Phelps.....	Canton.
Saratoga	A. M. Hollister....	Saratoga Springs.
Sullivan	Jas. A. Richardson..	Liberty.
Tompkins	V. B. Blatchley....	Ithaca.
Ulster	W. H. Hook.....	Care Herbert Carl, Kingston.
Wyoming	H. M. Bowen.....	Perry.

(A complete report of the work of the Bureau of Farmers' Institutes, with the Proceedings of the Farmers' Days Meeting at Albion was published as Bulletin 74, Parts I and II. These appear in volume 3 of this report.)

PUBLICATIONS

While realizing the importance of the spoken word and of personal contact of man with man to be of greatest efficiency, this must be accompanied or supplemented by the printed page. The former, though inspiring, may be misunderstood; the presentation may be faulty — at best it is transitory — and the number it can reach are comparatively few. The latter, although lacking the vivifying effect of the individual personality and the human voice, are the carefully prepared thoughts of specialists set down in black and white. They are definite, enduring, and may be preserved for study. They are for the many, and travel far afield. Hence, under the supervision of Edward van Alstyne, Director of Farmers' Institutes, who himself has written many valuable articles, this phase of the work is being magnified, both from the standpoint of instruction, and with a desire to add to the helpful agricultural literature of the State.

With this end in view, there was issued in October, 1914, Bulletin 64, "The Swine Industry of New York State," a volume of 200 pages, containing thirty articles by twenty-three different writers, with fifty-six illustrations. In November, 1914, Bulletin 65 was issued, "The Poultry Industry of New York State," with twenty-four articles by sixteen writers, and 156 illustrations. Bulletin 70, "The Vegetable Industry of New York State," was issued in April, 1915. It contains 368 pages with forty-one articles by thirty-one contributors.

At the request of the Education Department, Circular 113 was prepared for distribution among the schools of the State. It consists of two parts: one by Edward van Alstyne, Director of Farmers' Institutes, on "Essentials to Successful Plant Life;" the other by Dr. G. G. Atwood, Chief, Bureau of Horticulture, on "Trees and Plants for Ornament and Utility."

The following is a complete list of publications printed during the year:

Bulletins

64. The Swine Industry in New York State.
65. The Poultry Industry in New York State.
66. Agricultural Organizations in European Countries.
67. Farms for Sale or Rent in New York.
68. Proceedings of Joint meeting of Dairymen's and Breeders' Associations.
69. List of Butter and Cheese Factories, Milk Stations, and Condensing Plants in New York State.
70. The Vegetable Industry in New York State.
71. Proceedings of the Seventy-fifth Annual Meeting of the New York State Agricultural Society.
72. The Agricultural Law.
73. Agricultural Advantages of the Empire State.
74. Report of Farmers' Institutes.
75. What Shall the Farmer Read?

Circulars

105. List of Places, Dates, Conductors and Local Correspondents for Farmers' Institutes to be Held in New York State, Season 1914-1915.
106. Increasing the Profits of the Dairy Herd.
107. Provisions of the Agricultural Law Relative to the Sale of Fruit-Bearing Trees.
108. Farm Lands of New York.
109. Summary of Proceedings of the Sixteenth Annual Normal Institute for New York State Workers.
110. Official Notice of Quarantine of Potatoes Because of Powdery Scab and Rules and Regulations Issued Relative Thereto.
111. Powdery Scab of the Potato.
112. Tent Caterpillars and Control Measures.
113. Arbor Day Leaflet, issued in cooperation with the State Education Department.
114. List of Commission Merchants Bonded and Licensed.
115. List of Agricultural Fairs to be held in the State of New York, 1915.
116. Suggestions to Applicants for License for the Sale of Farm Produce on Commission.

117. List of Brands of Concentrated Commercial Feeding Stuffs Licensed for Sale in New York State from January 1 to June 15, 1915.

118. New York Standard Apple Grading Law and Information of Interest to Fruit Growers, Dealers, and Purchasers.

119. List of Nurserymen in the State of New York Who Received Certificates of Inspection for the Year Ending September, 1, 1915.

120. The Inspection, Certification and Transportation of Nursery Stock in the United States, New York State, Other States and Canada.

121. Provisions of the Agricultural Law Relating to Diseases of Domestic Animals.

122. Provisions of the Agricultural Law Relating to Destructive Insect Pests, Fungous and Contagious Diseases of Trees and Plants, Inspection and Certification of Nurseries, and Inspection of all Nursery Stock Received in the State.

123. Provisions of the Agricultural Law Relating to Agricultural Fairs and Associations.

124. Provisions of the Agricultural Law Relating to the Sale and Analysis of Concentrated Commercial Feeding Stuffs.

125. Provisions of the Agricultural Law Relating to the Sale and Analysis of Commercial Fertilizers.

126. Provisions of the Agricultural Law Relating to Vinegar.

127. Provisions of the Agricultural Law Relating to Inspection and Sale of Seeds.

128. Provisions of Article III of the Agricultural Law, Relating to Dairy Products.

129. List of Places, Dates, Conductors and Local Correspondents for Farmers' Institutes to be Held in New York State, Season 1915-1916.

130. Summary of Proceedings of the Seventeenth Annual Normal Institute for New York State Workers.

131. Cow Testing Association Work in New York State.

132. List of Commission Merchants Bonded and Licensed.

133. List of Brands of Concentrated Commercial Feeding Stuffs Licensed for Sale in New York State from January 1 to February 15, 1916.

REPORT OF BUREAU OF STATE INSTITUTION FARMS

By HARRY B. WINTERS, *Deputy Commissioner*

The State of New York now owns forty-two farms, containing 24,218 acres. The twenty farms connected with the charitable institutions contain 9,975 acres; the fourteen farms connected with the State hospitals contain 10,256 acres; the eight farms connected with the prisons contain 3,986 acres. These forty-two institutions have a population of 58,179, as shown in the following table:

POPULATION OF STATE INSTITUTIONS, 1913-1914

CHARITABLE	
Albion	287
Batavia	168
Bath	1,573
Bedford	599
Elmira	1,468
Green Haven . . . . .	.....
Hudson	429
Industry	898
Iroquois	213
Napanech	443
Newark	889
Oxford	233
Randall's Island	663
Ray Brook	421
Rome	1,594
Sonyea	1,666
Syracuse	691
Thiells	149
West Haverstraw	101
Yorktown	12
	<hr/>
	12,495
HOSPITALS	
Binghamton	2,830
Brooklyn	969
Buffalo	2,419
Central Islip	5,722
Gowanda	1,365
Kings Park	4,830
Middletown	2,397
Ogdensburg	2,383
Poughkeepsie	3,761
Rochester	1,741
Utica	1,787
Ward's Island	5,504
Willard	2,827
Yorktown	89
	<hr/>
	38,624

PRISONS

Auburn	1,531	
Comstock	651	
Dannemora (prison)	1,413	
Dannemora (hospital)	650	
Matteawan	1,044	
Ossining	1,742	
Valatie	29	
Wingdale		
		7,060
Total Institutions		58,179

The total farm investment is \$2,699,173. The total profit for the year ending September 30, 1914, was \$319,887.48. Interest on the investment at five per cent amounted to \$134,958.58. The profits with five per cent interest deducted amounted to \$184,928.90. The rate of profit made by all the farms as a total was 11.8 per cent. The greatest rate of profit made by any farm was 34.8 per cent; and the greatest rate of loss made by any farm, 6.6 per cent, this loss being caused by hog cholera and fire. In other words, the greatest farmer in the State of New York is the State of New York.

PROFIT AND LOSS ON STATE INSTITUTION FARMS

1. Industry	\$34,339
2. Willard	27,850
3. Ogdensburg	26,014
4. Binghamton	23,196
5. Matteawan	23,100
6. Rome	21,900
7. Poughkeepsie	20,845
8. Utica	14,113
9. Sonyea	13,404
10. Central Islip	12,813
11. Ward's Island	11,910
12. Gowanda	10,232
13. Comstock	10,228
14. Rochester	8,405
15. Middletown	6,281
16. Buffalo	6,099
17. Dannemora (prison)	5,412
18. Iroquois	4,959
19. Kings Park	4,634
20. Thiells	3,992
21. Bedford	3,741
22. Brooklyn	3,543
23. Valatie	3,443
24. Oxford	2,905
25. Dannemora (hospital)	2,876
26. Elmira	2,825
27. Newark	1,869
28. Hudson	1,773

29. Mohansic	1,613	
30. Yorktown Heights	1,516	
31. Napanoch	1,305	
32. Syracuse	1,098	
33. Albion	1,065	
34. Batavia	997	
35. West Haverstraw	942	
36. Ray Brook	494	
37. Randall's Island	277	
		<hr/>
38. Bath (loss from fire and hog cholera)		\$322,010
		2,123
		<hr/>
Total profit		\$319,887
Auburn, report not complete.		
Sing Sing, not reported.		
Wingdale, report not complete.		
Greenhaven, included in Poughkeepsie.		

An interesting comparison of the year ending September 30, 1914, and the year ending September 30, 1910, might be made.

	1910	1914	Increase
Total investment	\$2,152,453	\$2,699,173	\$546,720
Total profit	202,826	319,887	117,061
Interest at 5%	107,622	134,958	27,336
Profits, 5% deducted	93,332	184,928	91,596
Rate of profit made by all farms	9.4%	11.8%	2.4%

It might also be profitable to notice that the farm standing number one last year was number two September 30, 1910; the farm standing number two was then number four; the farm standing number three was then number eight; and the farm standing number nine then was number one.

A better system of farm accounting has been one of our greatest needs. Our work now is divided into six branches: 1, garden; 2, dairy; 3, swine; 4, potatoes and field crops; 5, poultry; 6, fruit. These are named in the order of profit usually found on the different farms. We are getting from each institution a debit and a credit statement on each of these lines of work. This has been of great assistance to us in locating the losses and helping to do better farm work.

We need a better statement of the field crops so that we will be sure that we are not taking credit for silage produced and fed to cows and another credit for the milk produced. The only things the farm should be credited with are the products which the institution needs, and which would have to be purchased if there were no farm—whether those products be milk for the patients, hay for

driving horses, or manure for the lawns. We also need a clearer statement of the farm products bought. These purchased products are our future markets and deserve careful study.

With the correction of a few details in these farm reports, we believe they will become the foundation for our recommendations in the future. At least once each year we should go to the farms, review the statements very carefully with those in charge, and together lay out the work for the coming year. This should be done thoroughly, whether it takes a few hours or a week.

I believe we have made real progress in this work, but, after all, we are only scratching the surface and could do better. We have been trying to send from time to time experts on the garden, dairy, swine, and other different branches of the work. Some of these experts should be giving their entire time to the work, as we have many important problems to solve. It would often be very profitable if we could send a man to certain farms to study their problems for a week or so. This would be valuable, not only to the institutions, but to the State at large.

Several years ago in one of his interesting talks, Dr. Liberty Hyde Bailey said, "Water your garden with the garden rake." A listener addressed a letter to the Doctor, asking what he meant by it, and this was his full reply: "Think it over." The gentleman did think it over, and it is now a well-known fact that cultivation lessens the capillary attraction of the soil and conserves moisture.

Mr. George H. Walker, President of the splendid Walker-Gordon Farms, in a recent address in Atlantic City, said: "At one time in our business history we purchased for several years practically all of our hay in Canada, paying \$3.50 per ton for duty and \$3.50 per ton for transportation, while the dealer's price delivered at our railway station was \$15 a ton. Only about one-half of the cost went to the producer and this indicated to me the possibility that we could raise the hay on our own farms at as low a cost as it could be raised anywhere and save at least the cost of transportation. We are now raising about two thousand tons of alfalfa hay in New Jersey each year, enough to feed all of our cows, both in New Jersey and in Massachusetts, and the saving on freight rates alone is sufficient to pay a fair dividend on the capital stock of our company. We are now seeding our land to alfalfa on our Massa-

chusetts farm and attempting to save the transportation cost from New Jersey to Massachusetts, and I am sure we shall succeed in doing so."

Dean Bailey and Mr. Walker are two of the most successful men in American agriculture. We shall do well to take their advice—farm well and produce our own products.

Now, what are the opportunities ahead of us in this work? We have in these institutions 58,179 people. They are using about 30,198 quarts of milk, or 755 cans, daily. The freight on this milk would amount to about \$241.60 daily or \$88,184 each year. Adding the dealers' profits to this, we can readily see that a tremendous saving could be made at nearly all of our institutions by producing our own milk. There is no reason in the world why we cannot produce it as cheaply as the average farmer; we can not only do so as cheaply, but we can produce it a great deal better. I am sorry to say that the milk purchased by the State is largely bought of the lowest bidder and the quality would probably score not far from 65. The quality of the milk produced on the State institution farms as a whole would score very high—probably in the neighborhood of 95. I believe there is real economy in the use of good milk.

We are using over 200,000 bushels of potatoes each year in these institutions. The freight would amount to about \$20,000 and the dealers' profits as much more, which could be saved by home production. We are buying a million dollars' worth of meat a year and one thousand dollars' worth of butter every day. Most of these products could be produced on our own farms with profit.

We have frequently been asked why the per capita cost was lower at some institutions with comparatively small amounts of land than at other hospitals having great farms. The question seems to the writer to be both fair and important, although he is unable to answer it, and would be glad to become one of a committee to try to find out why this is true.

In making comparisons at institutions, care should be taken not to select hospitals with new farms. New farms, as a rule, are poorly equipped. It often takes years to build them up and profits may largely go back into this building-up process.

Sometimes the State's system of handling these farms is not

the best. For instance, at Utica sufficient grass seed was not furnished to seed the ground down properly. Farms cannot be made profitable in that way. Utica should be equipped as a great dairy farm, and the Marcy site will become a great profit to the State.

We predict that the low cost, all things considered, will in the future go to the large hospital with a large, well equipped farm. These farms may not necessarily join the hospital grounds, but will be within reasonable transportation distance.

For several years a committee with representatives from the Hospital Commission, Fiscal Supervisor of State Charities, State Superintendent of Prisons, State Comptroller, and Commissioner of Agriculture, together with the stewards of the charitable institutions, have met at the Agricultural Department and agreed on prices of farm products to be used by the different institutions. These prices, a list of which follows, are made as near what the institution would have to pay as it is possible to do. A form of farm census report, which also follows, is agreed upon at the same time.

SCHEDULE OF PRICES FOR HOME PRODUCTS ON STATE INSTITUTION FARMS

October 1, 1914, to September 30, 1915

VEGETABLES	MEASURE	PRICE
Asparagus	pound	\$.12
Basil, sweet	pounds . . . . .	.10
Beans, string	pounds . . . . .	.025
Beans, dry	bushel (60 lbs.)	3.00
Beans, lima (dry)	pound . . . . .	.07
Beans, lima (green)	pound . . . . .	.06
Beets	bushel . . . . .	.50
Beet greens	pound . . . . .	.02
Brussels sprouts	pound . . . . .	.08
Cabbage	100 pounds . . . . .	.60
Carrots	bushel (50 lbs.) . . . . .	.40
Cauliflower	pound . . . . .	.04
Celery, heads	pound . . . . .	.05
Celery, tops	pound . . . . .	.025
Chard, Swiss	pound . . . . .	.02
Citron, green	pound . . . . .	.05
Corn, sweet, with husks	100 pounds	1.00
Corn, pop	bushel	1.00
Corn, dried sweet	pound . . . . .	.07
Cress, water	quart . . . . .	.02
Cucumbers, table use	pound . . . . .	.02
Cucumbers, small, for pickles	pound . . . . .	.03
Egg plant	pound . . . . .	.05

VEGETABLES	MEASURE	PRICE
Endive	pound . . . . .	.08
Horse radish	pound . . . . .	.04
Kale, Scotch	pound . . . . .	.025
Kohl rabi	pound . . . . .	.01
Leek	pound . . . . .	.02
Lettuce	pound . . . . .	.07
Okra	pound . . . . .	.015
Onions	bushel (57 lbs.)	1.00
Onions, green	pound . . . . .	.02
Parsley	pound . . . . .	.05
Parsnips	pound . . . . .	.015
Peas, green with pods	pound . . . . .	.025
Peas, dry	bushel (60 lbs.)	3.00
Peanuts	bushel	1.50
Peppers, red	pound . . . . .	.05
Peppers, green	pound . . . . .	.04
Potatoes	bushel (60 lbs.) local market price	
Potatoes, sweet	bushel (60 lbs.) local market price	
Pumpkins	ton	5.00
Radish, tops on	pound . . . . .	.025
Rhubarb	pound . . . . .	.02
Spinach	pound . . . . .	.035
Squash, summer	100 pounds	1.00
Squash, winter	100 pounds	1.00
Tomatoes, green or ripe	pound . . . . .	.01
Turnips	pound . . . . .	.01
Vegetable oysters	pound . . . . .	.03

FRUIT

Strawberries	quart . . . . .	.08
Raspberries, black or purple	quart . . . . .	.10
Raspberries, red	quart . . . . .	.12
Apples, eating	bushel . . . . .	.75
Apples, cider	bushel . . . . .	.25
Apples, crab	bushel . . . . .	.75
Plums	bushel	1.00
Melons, musk	pound . . . . .	.04
Melons, water	pound . . . . .	.02
Gooseberries	quart . . . . .	.10
Huckleberries	quart . . . . .	.10
Blackberries	quart . . . . .	.10
Pears	bushel	1.00
Peaches	bushel	2.00
Cherries	quart . . . . .	.08
Currants	quart . . . . .	.08
Grapes	pound . . . . .	.02
Quinces	bushel	1.00

MEATS

Beef, carcass	pound . . . . .	.10
Mutton, dressed	pound . . . . .	.10
Pork, dressed	pound . . . . .	.12
Chickens, dressed	pound . . . . .	.19
Fowls, dressed	pound . . . . .	.16
Veal, dressed	pound . . . . .	.15
Lamb, dressed	pound . . . . .	.12
Turkey, dressed	pound . . . . .	.23
Ducks, dressed	pound . . . . .	.19
Lard	pound . . . . .	.11
Tallow, beef, rough	pound . . . . .	.05

EGGS	MEASURE	PRICE
Hen	dozen . . . . .	.30
Duck	dozen . . . . .	.30

Charitable Institutions

(100 pounds milk equals 47 quarts)

MILK	MEASURE	PRICE
Albion	quart	\$. 045
Batavia	quart . . . . .	.05
Bath	quart . . . . .	.0425
Bedford.	quart . . . . .	.0575
Elmira	quart . . . . .	.0425
Green Haven	quart . . . . .	.0425
Hudson	quart . . . . .	.055
Industry	quart . . . . .	.0425
Iroquois	quart . . . . .	.0425
Napanoch	quart . . . . .	.0425
Newark	quart . . . . .	.045
Oxford	quart . . . . .	.05
Randall's Island	quart . . . . .	.055
Ray Brook	quart . . . . .	.06
Rome	quart . . . . .	.0425
Sonyea	quart . . . . .	.0425
Syracuse	quart . . . . .	.0425
Thiells	quart . . . . .	.05
West Haverstraw	quart . . . . .	.065
Yorktown Heights	quart . . . . .	.045

Hospitals

Binghamton	quart . . . . .	.0425
Brooklyn	quart . . . . .	.058
Buffalo	quart . . . . .	.0425
Central Islip	quart . . . . .	.062
Gowanda	quart . . . . .	.0425
Kings Park	quart . . . . .	.062
Middletown	quart . . . . .	.045
Ogdensburg	quart . . . . .	.0425
Poughkeepsie	quart . . . . .	.049
Rochester	quart . . . . .	.049
Utica	quart . . . . .	.0425
Ward's Island	quart . . . . .	.055
Willard	quart . . . . .	.0425
Yorktown	quart . . . . .	.045

Prisons

Auburn	quart . . . . .	.045
Comstock	quart . . . . .	.045
Dannemora	quart . . . . .	.0425
Matteawan	quart . . . . .	.045
Ossining	quart . . . . .	.07
Valatie	quart . . . . .	.0425
Windale	quart . . . . .	.0425

GRAIN, STRAW, HAY	MEASURE	PRICE
Barley	bushel	\$. 75
Corn, ear	bushel (70 lbs.) . . . . .	.85
Corn, shelled	bushel (56 lbs.) . . . . .	.85

GRAIN, STRAW, HAY	MEASURE	PRICE
Hay, clear timothy.....	ton	19.00
Hay, mixed.	ton	15.00
Rye	bushel (56 lbs.).....	.75
Wheat	bushel (60 lbs.).....	1.00
Alfalfa hay	ton	18.00
Buckwheat	bushel (48 lbs.).....	.60
Millet hay	ton	12.00
Oats	bushel (32 lbs.).....	.47
Straw, wheat	ton	10.00
Straw, rye	ton	14.00
Straw, oat.	ton	10.00
FODDER		
Corn fodder, dry.....	ton	2.50
Corn fodder, green	ton	3.50
Carrots	bushel (50 lbs.).....	.25
Mangel Wurzel	bushel (55 lbs.).....	.25
Rye, green	ton	3.00
Pumpkins	ton	5.00
Millet, green	ton	5.00
Corn silage	ton	3.50
Alfalfa, green	ton	8.50
Clover, green	ton	7.00
Oats and peas, green	ton	7.00
Oats and peas, cured.....	ton	14.00
Turnips	bushel (55 lbs.).....	.25
Sorghum, green	ton	3.50

FARM CENSUS REPORT

.....

(Name of Institution)

at

.....

For the year ending September 30, 1915

Answer all questions fully and make all extensions and footings called for
Use specified quotations for determining values of farm and garden products.

DR.		GARDEN PRODUCTS		CR.
	Value	Quantity	Price	Value
Seed purchased.....	\$	lbs. asparagus.....	\$.12	\$
Seed H. P.....		lbs. basil, sweet.....	.10	
Fertilizers purchased..		lbs. beans, string.....	.025	
Lime purchased.....		bu. beans (dry) (60 lbs.)..	3.00	
Manure purchased.....		lbs. beans, lima, dry.....	.07	
Manure H. P.....		lbs. beans, lima, green....	.06	
Labor		bu. beets.....	.50	
Spraying material.....		lbs. beet greens.....	.02	
Farm implements.....		lbs. brusseis sprouts.....	.08	
		ewt. cabbage.....	.60	
		bu. carrots (50 lbs.).....	.40	
		lbs. cauliflower . . . . .	.04	
		lbs. celery, heads.....	.05	
		lbs. celery, tops.....	.025	
		lbs. chard, Swiss.....	.02	
		lbs. citron, green.....	.05	
		ewt. corn, sweet.....	1.00	
		bu. corn, pop.....	1.00	
		lbs. corn, dried sweet.....	.07	
		qts. cress, water.....	.02	
		lbs. cucumbers, table.....	.02	
		lbs. cucumbers for pickles...	.03	
		lbs. egg plant.....	.05	
		lbs. endive.....	.08	
		lbs. horseradish.....	.04	
		lbs. kale, Scotch.....	.025	
		lbs. kohlrabi.....	.01	
		lbs. leek . . . . .	.02	
		lbs. lettuce.....	.07	
		lbs. melons, musk.....	.04	
		lbs. melons, water.....	.02	
		lbs. okra.....	.015	
		bu. onions (57 lbs.).....	1.00	
		lbs. onions, green.....	.02	
		lbs. parsley.....	.05	
		lbs. parsnips.....	.015	
		lbs. peas, green.....	.025	
		bu. peas, dry (60 lbs.).....	3.00	
		bu. peanuts.....	1.50	
		lbs. peppers, red.....	.05	
		lbs. peppers, green.....	.04	
		tons pumpkin.....	5.00	
		lbs. radish, tops on.....	.025	
		lbs. rhubarb.....	.02	
		lbs. spinach.....	.035	
		ewt. squash, summer.....	1.00	
		ewt. squash, winter.....	1.00	
		lbs. tomato, gr. or ripe....	.01	
		lbs. turnips.....	.01	
		lbs. vegetable oysters.....	.03	
Total	\$	Total	\$	

DR.			
INVENTORY BEGINNING FISCAL YEAR			
Number		Value	
Bulls, pure-bred.....	\$		
(breed.....)			
Bulls, grade.....			
Cows, mature.....			
Cows, 2 to 4 years....			
Heifers, 1 to 2 years...			
Calves, under 1 year...			
Total	\$		

	Cost	
Stock purchased.....	\$	
Feed purchased.....		
Bedding purchased....		
Field crops, H. P.....		
Veterinary services....		
Disinfectants		
Labor		
Farming implements...		
Miscellaneous		
Total	\$	
Inventory	\$	
Loss	\$	

Average number of cows milked during year.....

DR.			
INVENTORY BEGINNING FISCAL YEAR			
Number		Value	
Brood sows.....	\$		
(breed.....)			
Boars			
(breed.....)			
Spring pigs.....			
Fall pigs.....			
Sows and stags.....			
Total	\$		

	Cost	
Stock purchased.....	\$	
Feed purchased.....		
Bedding purchased....		
Field crops, H. P....		
Veterinary service....		
Labor		
Miscellaneous		
Total	\$	
Inventory	\$	
Loss	\$	

DAIRY		CR.
INVENTORY ENDING FISCAL YEAR		
Number	Value	
Bulls, pure-bred.....	\$	
(breed.....)		
Bulls, grade.....		
Cows, mature.....		
Cows, 2 to 4 years.....		
Heifers, 1 to 2 years....		
Calves, under 1 year....		
Total	\$	

PRODUCTION			
	Price	Value	
Stock sold.....	\$	\$	
qts. milk.....			
lbs. cheese.....			
qts. skim milk.....			
lbs. beef.....	.10		
lbs. veal.....	.15		
lbs. tallow.....	.05		
Hides			
Manure			
Total	\$		
Inventory			
Profit	\$		

SWINE		CR.
INVENTORY ENDING FISCAL YEAR		
Number	Value	
Brood sows.....	\$	
(breed.....)		
Boars		
(breed.....)		
Spring pigs.....		
Fall pigs.....		
Sows and stags.....		
Total	\$	

PRODUCTION			
	Price	Value	
Stock sold.....	\$	\$	
lbs. pork produced.....	.12		
Bones, etc., sold.....			
Manure			
Total	\$		
Inventory	\$		
Profit	\$		

POTATOES

(Acreage.....)

DR.		CR.	
	Value	Quantity	Price Value
Seed purchased.....	\$		
Seed H. P.....			
Fertilizers purchased..		bu. potatoes.....	\$ \$
Lime purchased.....			
Manure purchased....			
Manure. H. P.....			
Labor			
Spraying material.....			
Farm implements.....			
Total	\$	Total	\$
Loss	\$	Profit	\$

DR.		FIELD CROPS		CR.	
	Value	Quantity	Price	Value	
Seed purchased.....	\$	bu. barley.....	\$.75	\$	
Seed H. P.....		bu. corn, ear (70 lbs.).....	.85		
Fertilizers purchased..		bu. corn, shelled (56 lbs.)...	.85		
Lime purchased.....		tons hay, clear timothy.....	19.00		
Manure purchased.....		tons hay, mixed.....	15.00		
Manure, H. P.....		bu. rye (56 lbs.).....	.75		
Labor		bu. wheat (60 lbs.).....	1.00		
Binding twine.....		tons alfalfa hay.....	18.00		
Threshing grain.....		bu. buckwheat (48 lbs.).....	.60		
Cutting ensilage.....		tons millet hay.....	12.00		
Gasoline or coal.....		bu. oats (32 lbs.).....	.47		
Cost land rented.....		tons straw, wheat.....	10.00		
Farm implements.....		tons straw, rye.....	14.00		
		tons straw, oat.....	10.00		
		tons corn fodder, dry.....	2.50		
		tons corn fodder, green....	3.50		
		bu. carrots (50 lbs.).....	.25		
		bu. mangel wurzels (55 lbs.)	.25		
		tons rye, green.....	3.00		
		tons pumpkins.....	5.00		
		tons millet, green.....	5.00		
		tons corn silage.....	3.50		
		tons alfalfa, green.....	8.50		
		tons clover, green.....	7.00		
		tons oats and peas, green...	7.00		
		tons oats and peas, cured...	14.00		
		bu. turnips (55 lbs.).....	.25		
		tons sorghum, green.....	3.50		
		Total	\$		
		Profit	\$		
		ton ice, value.....	\$		
		Lumber			
		Cords wood.....			
		Sand and gravel.....			
Total	\$	Total profit	\$		
Loss	\$				

STATEMENT SHOWING VALUE OF FIELD CROPS CONSUMED DURING YEAR

Inventory beginning year, value.....	\$
Production of field crops, value.....	
Total to be accounted for.....	\$
Inventory, end of year, value.....	
Value of field crops used.....	\$
Apportioned to: Field crops (seed)	\$
Institution	
(Approximate Dairy	
amounts, if Swine	
necessary) Poultry	
Sheep	
Horses	
	\$

DR.		FRUIT PRODUCTS		CR.
	Value	Quantity	Price	Value
Stock purchased.....	\$	bu. apples (48 lbs.) eating..	\$.75	\$
Fertilizers purchased..		bu. apples (48 lbs.) cider...	.25	
Manure purchased.....		bu. apples, crab.....	.75	
Manure, H. P.....		qts. cherries.....	.08	
Spraying material...		qts. currants.....	.08	
Labor		lbs. grapes.....	.02	
Farm implements.....		bu. plums.....	1.00	
Miscellaneous		bu. peaches.....	2.00	
		bu. pears.....	1.00	
		bu. quinces.....	1.00	
		qts. blackberries.....	.10	
		qts. gooseberries.....	.10	
		qts. huckleberries.....	.10	
		qts. strawberries.....	.08	
		qts. raspberries, black or		
		purple . . . . .	.10	
		qts. raspberries, red.....	.12	
Total	\$	Total	\$	
Loss	\$	Profit	\$	

DR.		POULTRY		CR.
INVENTORY BEGINNING FISCAL		INVENTORY ENDING FISCAL YEAR		
YEAR	Value	Number	Value	
Number		Hens and roosters.....	\$	
Hens and roosters.....	\$	(breed.....		
(breed.....		(.....)		
(.....)		(.....)		
Chickens		Chickens		
Ducks		Ducks		
Geese		Geese		
Turkeys		Turkeys.		
Total	\$	Total	\$	

PRODUCTION

Cost	Quantity	Price	Value
Stock purchased.....\$	Stock sold.....\$		\$
Eggs used for hatching.....	doz. eggs.....	.30	
Feed purchased.....	lbs. fowl, dressed.....	.16	
Bedding purchased....	lbs. chicken, dressed.....	.19	
Field crops H. P.....	lbs. broilers, dressed.....	.23	
Labor	lbs. turkeys, dressed.....	.23	
	lbs. ducks, dressed.....	.19	
	Manure		

Total	\$	Total	\$
Inventory	\$	Inventory	\$
Loss	\$	Profit	\$

Dr.

SHEEP

Cr.

INVENTORY BEGINNING FISCAL
YEAR

INVENTORY ENDING FISCAL YEAR

Number	Value	Number	Value
Ewes	\$	Ewes	\$
Rams		Rams	
Lambs		Lambs	
Total	\$	Total	\$

PRODUCTION

Cost	Quantity	Price	Value
Stock purchased.....\$	Stock sold.....\$		\$
Feed purchased.....	lbs. mutton produced.....	.10	
Bedding purchased....	lbs. lamb produced.....	.12	
Field crops H. P.....	lbs. wool.....		
Veterinary services....	Pelts		
Labor	Manure		
Miscellaneous			

Total	\$	Total	\$
Inventory	\$	Inventory	\$
Loss	\$	Profit	\$

Dr.

HORSES AND OXEN

Cr.

INVENTORY BEGINNING FISCAL
YEAR

INVENTORY ENDING FISCAL YEAR

Number	Value	Number	Value
Farm horses.....\$		Farm horses.....\$	
Oxen		Oxen	
Colts		Colts	
Stallions		Stallions	
(breed.....)		(breed.....)	
Total	\$	Total	\$

PRODUCTION

Cost		Price	Value
Stock purchased.....\$	Stock sold.....\$		\$
Feed purchased.....	Value labor performed for		
Bedding purchased....	institution by farm horses.		
Field crops, H. P.....	Manure		
Horseshoeing			
Veterinary services....			
Labor			
Farming implements...			
Miscellaneous			
Total	Total	\$	\$
Inventory	Inventory	\$	\$
Loss	Profit	\$	\$

LABOR

Garden products	\$
Dairy	
Swine	
Potatoes	
Field crops	
Fruit products	
Poultry	
Sheep	
Horses and oxen	
Improvements (land)	
Total	\$

Where employees live in the institution, maintenance is to be charged at rate of \$8 a month. Where they receive commutation the charge should be at the rate of maintenance received.

INSTITUTION FARM LAND

Acres in garden.....	\$	\$
Acres in orchard.....		
Acres in meadow.....		
Acres in pasture.....		
Acres in field crops not included above.....		
(Describe last item)		

Total acres available for cultivation.....	\$	\$
Acres occupied by lawns and buildings.....		
In permanent woodland.....		
In permanent pasture too rough to clear.....		
In other land not available for cultivation.....		

Total acres not available for cultivation.....\$

Total acres in entire institution.....\$

LAND RENTED

Acres in pasture (tillable).....	\$	\$
Acres in pasture (rough).....		
Acres in woodland		
Acres in field crops (describe).....		

Total acres rented

FARM LAND

(Land not occupied by institution buildings)

Dr.		Cr.
INVENTORY BEGINNING FISCAL YEAR	INVENTORY ENDING FISCAL YEAR	
	(Increased values.)	
Land purchased.....\$	Drainage.....\$	
Drain tile purchased...	Fences built.....	
Fencing material purchased.....	Land improvements.....	
Reforestation.....		
Labor.....	Inventory at end of fiscal year...\$	
Total.....\$	Increased value of farm.....\$	
Rental received for leased land.....\$		
Rental paid for leased land.....		
Cost apportioned to:		

Dr.	FARM AND GARDEN BUILDINGS	Cr.
INVENTORY BEGINNING FISCAL YEAR		
Cost of repairs:	(Enumerate and state value of all farm and garden buildings.)	
Painting.....\$		
Masonry.....		
Carpentry.....		
Miscellaneous.....		
(Enumerate and state cost of new buildings.)		
Total.....\$	Inventory ending fiscal year....\$	

FARM IMPLEMENTS

(Machinery, tools, wagons, harness, etc.)

Dr.		Cr.
INVENTORY BEGINNING FISCAL YEAR		
Cost of repairs:	(Enumerate all implements belonging to farm and garden.)	
Harness.....\$		
Machinery, tools, etc.		
Carriages.....		Cost Present Value
Wagons.....		
(Enumerate and state cost of new implements.)		
Total.....\$		
Loss.....\$	Total.....\$	

Loss in implements distributed as follows:

Field crops	%	\$
Garden		
Horses		
Dairy		
Potatoes		
Fruit		
(Number additional sheets farm implements "14a," "14b," etc.)		

FARM INVESTMENT

INVENTORY BEGINNING FISCAL YEAR	INVENTORY ENDING FISCAL YEAR
Farm land.....\$	Farm land.....\$
Farm and garden buildings.....\$	Farm and garden buildings.....\$
Farm implements.....\$	Farm implements.....\$
Horses.....\$	Horses.....\$
Cattle.....\$	Cattle.....\$
Swine.....\$	Swine.....\$
Sheep.....\$	Sheep.....\$
Poultry.....\$	Poultry.....\$
Total value of live stock.....\$	Total value of live stock.....\$
Total investment.....\$	Total investment.....\$
Interest on investment beginning fiscal year at 5%.....\$	

SUMMARY

	Loss	Profit
Garden products	\$	\$
Dairy		
Swine		
Potatoes		
Field crops		
Fruit products		
Poultry		
Sheep		
Horses and oxen		
Increased value of farm.....		
Farm and garden buildings.....		
Total	\$	\$
Profit—Loss	\$	\$
Total farm investment		\$
Yearly profit—loss		
Rate of profit—loss		
Interest on investment at 5%.....		
Net profit—loss		

SUPPLEMENT

		PRO- DUCED Value	PUR- CHASED Cost
		\$	\$
<i>Acrcage:</i>	Institution farm		
	Land rented.		
	Total		
<i>Average Daily Population:</i>	Inmates		
	Employees		
	Total		
<i>Garden Products:</i>	Produced		
	Purchased		
	Needed yearly, value	\$	
<i>Milk:</i>	Produced, qts. —		
	Purchased, qts. —		
	Total qts		
	Consumed daily per capita, qts.		
<i>Butter:</i>	Produced, lbs. —		
	Purchased, lbs. —		
<i>Pork:</i> Fresh	{ Produced, lbs. —		
	{ Purchased, lbs. —		
Salt	{ Produced, lbs. —		
	{ Purchased, lbs. —		
Ham	{ Produced, lbs. —		
	{ Purchased, lbs. —		
Bacon	{ Produced, lbs. —		
	{ Purchased, lbs. —		
	Cost feed not kitchen waste. . . . \$		
	Produced by kitchen waste. . . .		
	Produced by kitchen waste per capita		
<i>Potatoes:</i>	Produced, bu. —		
	Purchased, bu. —		
	Consumed yearly, bu. —		
	Needed yearly per capita, bu. — . .		
<i>Field Crops:</i>	Produced		
	Purchased		
	Feeds purchased for live stock.		
<i>Fruit Products:</i>	Produced		
	Purchased		
<i>Poultry:</i>	Produced, dressed, lbs. —		
	Purchased, dressed, lbs. —		
	Eggs produced, doz. —		
	Eggs purchased, doz. —		
<i>Meats:</i> Beef	{ Produced, lbs. —		
	{ Purchased, lbs. —		
Veal	{ Produced, lbs. —		
	{ Purchased, lbs. —		
Mutton	{ Produced, lbs. —		
	{ Purchased, lbs. —		
	Total	\$	\$

The committee has made every effort to make these reports plain and simple. Farm accounting is very important and must be thorough enough to give an accurate idea of the farm operations and results.

Meetings of State institution farmers have been held at the College of Agriculture, Ithaca, during Farmers' Week, and at Manhattan State Hospital, Ward's Island, and the New York Agricultural Experiment Station, Geneva, during the growing season. The program at Cornell covered nine days, and single day meetings were held at Ward's Island and Geneva. These meetings aroused interest in the work and undoubtedly have done much towards making possible the results obtained. For instance, many of our gardens do not grow vegetables long enough during the season. A meeting of institution farmers within one hundred miles of New York City was held at Ward's Island, September 11, and at that time practically all of the garden land was growing some crop of vegetables. This was a revelation to some of our people and showed them what could be done.

The profits and losses on the different branches of farms and gardens at the institutions during 1914 are reported by them as follows:

GARDENS

Charitable Institutions

INSTITUTION	COST	VALUE	PROFIT	LOSS
Albion	\$520.59	\$661.85	\$141.26	.....
Batavia	243.46	664.55	421.09	.....
Bath	2,445.58	3,533.54	1,087.96	.....
Bedford	2,127.87	1,981.86	.....	\$146.01
Elmira	878.18	1,944.34	1,066.16	.....
*Green Haven	46.62	202.02	155.40	.....
Hudson	847.89	1,719.20	871.31	.....
Industry	3,291.01	4,551.15	1,260.14	.....
Iroquois	551.57	1,246.07	694.50	.....
Napanoch	533.30	1,035.23	501.93	.....
Newark	570.20	1,068.58	498.38	.....
Oxford	555.84	445.36	.....	110.48
Randall's Island	497.95	531.66	33.71	.....
Ray Brook	99.45	91.71	.....	7.74
Rome	2,837.09	8,015.81	5,178.72	.....
Sonyea	2,152.26	5,384.57	3,232.31	.....
Syracuse	1,104.58	1,625.15	520.57	.....
Thiells	1,753.88	1,887.33	133.45	.....
West Haverstraw	197.58	273.86	76.28	.....
Yorktown Heights	92.49	132.75	40.26	.....
Total	\$21,300.77	\$36,794.57	\$15,758.03	\$264.23

* Included in Poughkeepsie

Hospitals

INSTITUTION	COST	VALUE	PROFIT	LOSS
Binghamton	\$4,239.55	\$7,266.92	\$3,027.37	.....
Brooklyn	1,584.50	1,961.62	377.12	.....
Buffalo	1,332.87	2,058.96	726.09	.....
Central Islip	1,736.06	6,705.14	4,969.08	.....
Gowanda	2,490.27	5,452.96	2,962.69	.....
Kings Park	6,905.52	7,400.50	494.98	.....
Middletown	6,417.08	7,090.02	672.94	.....
Ogdensburg	2,273.20	7,010.04	4,736.84	.....
Poughkeepsie	7,905.90	18,195.95	10,290.05	.....
Rochester	3,327.93	7,263.00	3,935.07	.....
Utica	7,077.76	11,312.75	4,234.99	.....
Ward's Island	6,849.81	18,475.41	11,625.60	.....
Willard	5,279.97	9,248.70	3,968.73	.....
Yorktown	1,436.01	1,167.34	.....	\$268.67
Total	\$58,856.43	\$110,609.31	\$52,021.55	\$268.67

Prisons

Auburn (not complete)				
Comstock	\$660.64	\$2,279.18	\$1,618.54	.....
Dannemora (prison)	479.82	639.56	159.74	.....
Dannemora (hospital)	298.97	809.65	510.68	.....
Matteawan	1,312.60	5,790.71	4,478.11	.....
Ossining (not reported)				
Valatie	120.13	365.60	245.47	.....
Wingdale (not complete)				
Total	\$2,872.16	\$9,884.70	\$7,012.54	.....

Summary

Charitable institutions	\$21,300.77	\$36,794.57	\$15,758.03	\$264.23
Hospitals	58,856.43	110,609.31	52,021.55	268.67
Prisons	2,872.16	9,884.70	7,012.54	.....
Totals	\$83,029.36	\$157,288.58	\$74,792.12	\$532.90

DAIRY

Charitable Institutions

Albion	\$1,818.66	\$2,083.95	\$265.29	.....
Batavia . . . . .	.....	.....	.....	.....
Bath	7,868.98	8,474.96	605.98	.....
Bedford	6,006.23	7,190.17	1,183.94	.....
Elmira	6,758.95	7,107.14	348.19	.....
Green Haven . . . . .	.....	.....	.....	.....
Hudson . . . . .	.....	.....	.....	.....
Industry	25,842.07	36,936.92	11,094.85	.....
Iroquois	3,793.66	5,134.41	1,340.75	.....
Napanoch . . . . .	.....	.....	.....	.....
Newark . . . . .	.....	.....	.....	.....
Oxford	2,695.60	4,271.25	1,575.65	.....
Randall's Island . . . . .	.....	.....	.....	.....
Ray Brook . . . . .	.....	.....	.....	.....
Rome	26,805.34	37,888.93	11,083.59	.....

Charitable Institutions — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Sonyea	16,247.63	21,327.92	5,080.29	.....
Syracuse	9,652.11	9,830.84	178.73	.....
Thiells	6,287.90	8,121.22	1,833.32	.....
West Haverstraw . . . . .	.....	.....	.....	.....
Yorktown Heights	3,794.14	3,435.74	.....	\$358.40
Total	\$117,571.27	\$151,803.45	\$34,590.58	\$358.40

Hospitals

Binghamton	\$30,161.44	\$35,826.92	\$5,665.48	.....
Brooklyn	320.65	544.29	223.64	.....
Buffalo . . . . .	.....	.....	.....	.....
Central Islip	5,744.51	7,665.50	1,920.99	.....
Gowanda	18,617.75	23,885.20	5,267.45	.....
Kings Park	6,995.72	7,182.76	187.04	.....
Middletown . . . . .	.....	.....	.....	.....
Ogdensburg	31,974.30	39,788.12	7,813.82	.....
Poughkeepsie	12,776.45	14,855.80	2,079.35	.....
Rochester	897.76	1,056.04	158.28	.....
Utica	25,478.30	32,000.26	6,521.96	.....
Ward's Island	4,223.64	4,161.03	.....	\$62.61
Willard	32,345.22	42,740.10	10,394.88	.....
Yorktown	3,321.70	4,365.52	1,043.82	.....
Total	\$172,857.44	\$214,071.54	\$41,276.71	\$62.61

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$10,142.76	\$10,893.03	\$750.27	.....
Dannemora (prison)	4,512.57	6,143.09	1,630.52	.....
Dannemora (hospital)	1,220.13	2,044.39	824.26	.....
Matteawan	11,680.54	11,976.52	295.98	.....
Ossining . . . . .	.....	.....	.....	.....
Valatie	1,269.64	1,402.31	132.67	.....
Wingdale (not complete)	.....	.....	.....	.....
Total	\$28,825.64	\$32,459.34	\$3,633.70	.....

Summary

Charitable institutions	\$117,571.27	\$151,803.45	\$34,590.58	\$358.40
Hospitals	172,857.44	214,071.54	41,276.71	62.61
Prisons	28,825.64	32,459.34	3,633.70	.....
Totals	\$319,254.35	\$398,334.33	\$79,500.99	\$421.01

SWINE

Charitable Institutions

Albion	\$454.65	\$803.31	\$348.66	.....
Batavia . . . . .	.....	.....	.....	.....
Bath	6,643.84	3,685.88	.....	\$2,957.96
Bedford	352.21	784.06	431.85	.....
Elmira	4,699.48	7,110.68	2,411.20	.....
*Green Haven	180.05	324.00	143.95	.....

* Included in Poughkeepsie

Charitable Institutions — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Hudson	1,483.97	1,497.79	13.82	.....
Industry	3,350.00	3,999.32	649.32	.....
Iroquois	1,022.35	1,946.95	924.60	.....
Napanoch	939.74	1,481.88	542.14	.....
Newark	1,288.06	1,773.58	485.52	.....
Oxford	1,816.90	2,382.20	565.30	.....
Randall's Island . . . . .	.....	.....	.....	.....
Ray Brook . . . . .	.....	.....	.....	.....
Rome	13,587.68	14,047.73	460.05	.....
Sonyea	3,775.02	5,021.88	1,246.86	.....
Syracuse	1,692.74	1,389.68	.....	303.06
Thiells	570.66	1,072.42	501.76	.....
West Haverstraw	28.00	.....	.....	28.00
Yorktown Heights	686.75	876.72	189.97	.....
Total	\$42,392.05	\$47,874.08	\$8,771.05	\$3,289.02

Hospitals

Binghamton	\$7,835.19	\$13,039.86	\$5,204.67	.....
Brooklyn	182.54	950.46	767.92	.....
Buffalo	2,135.20	6,465.84	4,330.64	.....
Central Islip	3,741.98	7,913.76	4,171.78	.....
Gowanda	4,195.98	5,078.33	882.35	.....
Kings Park	3,908.47	6,834.56	2,926.09	.....
Middletown	2,299.59	4,018.42	1,718.83	.....
Ogdensburg	7,028.77	10,607.55	3,578.78	.....
Poughkeepsie	180.05	324.00	143.95	.....
Rochester	713.54	1,070.91	357.37	.....
Utica	3,488.00	5,150.75	1,662.75	.....
Ward's Island . . . . .	.....	.....	.....	.....
Willard	7,255.22	11,251.00	3,995.78	.....
Yorktown	2,170.56	1,938.73	.....	\$231.83
Total	\$45,135.09	\$74,644.17	\$29,740.91	\$231.83

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$2,135.28	\$3,441.92	\$1,306.64	.....
Dannemora (prison)	1,736.72	3,820.98	2,084.26	.....
Dannemora (hospital)	864.42	1,736.52	872.10	.....
Matteawan	2,706.34	4,107.56	1,401.22	.....
Ossining (no report)	.....	.....	.....	.....
Valatie	1,435.88	1,660.88	225.00	.....
Wingdale (not complete)	.....	.....	.....	.....
Total	\$8,878.64	\$14,767.86	\$5,889.22	.....

Summary

Charitable institutions	\$42,392.05	\$47,874.08	\$8,771.05	\$3,289.02
Hospitals	45,135.09	74,644.17	29,740.91	231.83
Prisons	8,878.64	14,767.86	5,889.22	.....
Total	\$96,405.78	\$137,286.11	\$44,401.18	\$3,520.85

POTATOES

Charitable Institutions

INSTITUTION	COST	VALUE	PROFIT	LOSS
Albion	\$329.94	\$456.50	\$126.56	.....
Batavia	199.72	396.80	197.08	.....
Bath	626.78	1,403.85	777.07	.....
Bedford	1,009.82	1,360.00	350.18	.....
Elmira	1,793.10	1,739.62	.....	\$53.48
*Green Haven	1,043.54	4,784.00	3,740.46	.....
Hudson . . . . .	.....	.....	.....	.....
Industry	1,525.56	4,530.00	3,004.44	.....
Iroquois	439.98	774.00	334.02	.....
Napanoch	1,017.16	1,782.00	764.84	.....
Newark	53.00	115.58	62.58	.....
Oxford	675.22	735.00	59.78	.....
Randall's Island . . . . .	.....	.....	.....	.....
Ray Brook	25.00	67.20	42.20	.....
Rome	1,140.14	2,315.00	1,174.86	.....
Sonyea	1,832.50	2,500.00	667.50	.....
Syracuse	1,597.83	1,992.93	395.10	.....
Thiells	424.49	264.00	.....	160.49
West Haverstraw	315.00	541.70	226.70	.....
Yorktown Heights	469.81	425.00	.....	44.81
Total	\$13,475.05	\$21,399.18	\$8,182.91	\$258.78

Hospitals

Binghamton	\$3,640.62	\$5,400.00	\$1,759.38	.....
Brooklyn	1,076.91	3,567.25	2,490.34	.....
Buffalo . . . . .	.....	.....	.....	.....
Central Islip	1,779.03	2,678.98	899.95	.....
Gowanda	2,742.49	3,193.50	451.01	.....
Kings Park	399.38	395.55	.....	\$3.83
Middletown	990.20	1,124.00	133.80	.....
Ogdensburg	4,965.27	8,367.70	3,402.43	.....
Poughkeepsie	1,043.54	4,784.00	3,740.46	.....
Rochester	648.63	2,219.25	1,570.62	.....
Utica	1,817.04	4,088.50	2,271.46	.....
Ward's Island . . . . .	.....	.....	.....	.....
Willard	2,000.49	2,379.81	379.32	.....
Yorktown	1,145.73	1,407.50	261.77	.....
Total	\$22,249.33	\$39,606.04	\$17,360.54	\$3.83

Prisons

Auburn . . . . .	.....	.....	.....	.....
Constock	\$391.00	\$428.39	\$37.39	.....
Dannemora (prison)	40.75	405.23	364.48	.....
Dannemora (hospital)	38.97	93.84	54.87	.....
Matteawan	1,354.13	3,295.50	1,941.37	.....
Ossining . . . . .	.....	.....	.....	.....
Valatie	379.34	439.76	60.42	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$2,204.19	\$4,662.72	\$2,458.53	.....

* Included in Poughkeepsie

Summary

INSTITUTION	COST	VALUE	PROFIT	LOSS
Charitable institutions	\$13,475.05	\$21,399.18	\$8,182.91	\$258.78
Hospitals	22,249.33	39,606.04	17,360.54	3.83
Prisons	2,204.19	4,662.72	2,458.53	.....
Totals	\$37,928.57	\$65,667.94	\$28,001.98	\$262.61

FIELD CROPS

Charitable Institutions

Albion	\$977.38	\$1,066.75	\$89.37	.....
Batavia	124.39	371.38	246.99	.....
Bath	3,911.04	4,243.21	332.17	.....
Bedford	1,637.72	2,513.50	875.78	.....
Elmira	2,327.75	2,665.00	337.25	.....
*Green Haven	1,194.87	3,601.50	2,406.63	.....
Hudson	35.00	250.00	215.00	.....
Industry	5,765.14	21,006.88	15,241.74	.....
Iroquois	1,655.03	3,036.70	1,381.67	.....
Napanoch	28.50	28.00	.....	\$5.00
Newark	147.34	315.40	168.06	.....
Oxford	787.01	1,251.95	464.94	.....
Randall's Island	300.00	750.00	450.00	.....
Ray Brook	32.40	459.00	426.60	.....
Rome	10,046.89	13,937.62	3,890.73	.....
Sonyea	10,017.54	16,119.35	6,101.81	.....
Syracuse	2,495.38	5,235.60	2,740.22	.....
Thiells	3,086.08	4,528.50	1,442.42	.....
West Haverstraw	298.73	442.50	143.77	.....
Yorktown Heights	3,102.11	2,699.31	.....	402.80
Totals	\$46,775.42	\$80,920.65	\$34,548.52	\$403.30

Hospitals

Binghamton	\$9,859.41	\$18,633.00	\$8,773.59	.....
Brooklyn	891.50	1,187.29	295.79	.....
Buffalo	868.76	1,085.00	216.24	.....
Central Islip	1,867.12	1,836.53	.....	\$30.59
Gowanda	6,793.59	8,514.48	1,720.89	.....
Kings Park	2,305.65	1,676.52	.....	629.13
Middletown	3,138.28	4,791.85	1,653.57	.....
Ogdensburg	8,535.60	15,692.35	7,156.75	.....
Poughkeepsie	3,324.80	9,430.74	6,105.94	.....
Rochester	1,126.05	3,204.46	2,078.41	.....
Utica	13,235.53	20,750.60	7,515.07	.....
Ward's Island . . . . .	.....	53.37	53.37	.....
Willard	10,736.35	22,364.21	11,627.86	.....
Yorktown	4,600.29	5,471.63	871.34	.....
Total	\$67,282.93	\$114,692.03	\$48,068.82	\$659.72

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$1,984.66	\$4,643.50	\$2,658.84	.....
Dannemora (prison)	282.79	1,356.50	1,073.71	.....
Dannemora (hospital)	221.37	376.75	155.38	.....
Matteawan	4,532.56	10,558.29	6,025.73	.....

* Included in Poughkeepsie

Prisons — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Ossining . . . . .	.....	.....	.....	.....
Valatie	1,312.15	2,291.95	979.80	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$8,333.53	\$19,226.99	\$10,893.46	.....

Summary

Charitable institutions	\$46,775.43	\$80,920.65	\$34,548.52	\$403.30
Hospitals	67,282.93	114,692.03	48,068.82	659.72
Prisons	8,333.53	19,226.99	10,893.46	.....
Total	\$122,391.89	\$214,839.67	\$93,510.80	\$1,063.02

FRUIT

Charitable Institutions

Albion	\$435.30	\$698.45	\$263.15	.....
Batavia	125.65	372.63	246.98	.....
Bath	152.04	194.80	42.76	.....
Bedford	176.49	1,561.54	1,385.05	.....
Elmira	8.75	16.80	8.05	.....
*Green Haven . . . . .	.....	28.60	28.60	.....
Hudson	61.85	284.88	223.03	.....
Industry	1,104.35	2,129.57	1,025.22	.....
Iroquois	100.00	735.90	635.90	.....
Napanoch	10.00	53.75	43.75	.....
Newark	125.00	415.77	290.77	.....
Oxford	22.75	4.50	.....	\$18.25
Randall's Island . . . . .	.....	.....	.....	.....
Ray Brook . . . . .	.....	.....	.....	.....
Rome	284.00	543.38	259.38	.....
Sonyea	89.75	1,048.14	958.39	.....
Syracuse	128.99	682.36	553.37	.....
Thiells	498.14	1,030.31	532.17	.....
West Haverstraw	61.00	170.17	109.17	.....
Yorktown Heights	312.46	867.91	555.45	.....
Total	\$3,696.52	\$10,810.86	\$7,132.59	\$18.25

Hospitals

Binghamton	\$514.43	\$2,511.41	\$1,996.98	.....
Brooklyn	11.21	51.84	40.63	.....
Buffalo	14.97	42.43	27.46	.....
Central Islip	643.28	638.42	.....	\$4.86
Gowanda	51.11	304.72	253.61	.....
Kings Park	396.83	1,064.16	667.33	.....
Middletown	1,073.81	2,760.69	1,686.88	.....
Ogdensburg	22.85	774.39	751.54	.....
Poughkeepsie	761.89	2,707.39	1,945.50	.....
Rochester	687.35	2,152.47	1,465.12	.....
Utica	819.16	1,714.20	895.04	.....
Ward's Island	185.11	971.86	786.75	.....
Willard	5,752.87	8,315.26	2,562.39	.....
Yorktown	659.86	761.63	101.77	.....
Total	\$11,594.73	\$24,770.87	\$13,181.00	\$4.86

* Included in Poughkeepsie

Prisons

INSTITUTION	COST	VALUE	PROFIT	LOSS
Auburn				
Comstock				
Dannemora (prison)				
Dannemora (hospital)		\$3.92	\$3.92	
Matteawan	\$154.00	1,988.47	1,834.47	
Ossining				
Valatie	58.50	174.95	116.45	
Wingdale				
Total	\$212.50	\$2,167.34	\$1,954.84	

Summary

Charitable institutions	\$3,696.52	\$10,810.86	\$7,132.59	\$18.25
Hospitals	11,594.73	24,770.87	13,181.00	4.86
Prisons	212.50	2,167.34	1,954.84	
Total	\$15,503.75	\$37,749.07	\$22,268.43	\$23.11

POULTRY

Charitable Institutions

Albion	\$220.16	\$196.34		\$23.82
Batavia	240.22	118.95		121.27
Bath	10.75	2.16		8.59
Bedford				
Elmira	55.12	102.40	\$47.28	
Green Haven				
Hudson	714.70	933.95	219.25	
Industry	6,162.70	7,068.81	906.11	
Iroquois	1,175.90	1,596.91	421.01	
Napanoch	118.13	157.85	39.72	
Newark				
Oxford	336.07	681.93	345.86	
Randall's Island				
Ray Brook				
Rome	3,111.84	3,549.74	437.90	
Sonyea				
Syracuse	1,117.47	1,093.92		23.55
Thiells	66.55	68.33	1.78	
West Haverstraw	189.00	345.35	156.35	
Yorktown Heights	215.33	216.15	.82	
Total	\$13,733.94	\$16,132.79	\$2,576.08	\$177.23

Hospitals

Binghamton	\$2,175.08	\$2,198.88	\$23.80	
Brooklyn				
Buffalo	265.06	883.17	618.11	
Central Islip	1,459.80	2,240.04	780.24	
Gowanda	797.53	341.53		\$456.00
Kings Park				
Middletown	391.61	345.16		46.45
Ogdensburg	2,658.93	3,027.15	368.22	
Poughkeepsie	917.15	680.03		237.12
Rochester	1,032.60	1,291.04	258.44	

Hospitals — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Utica	951.66	982.44	30.78	.....
Ward's Island	866.81	996.96	130.15	.....
Willard	781.70	1,176.06	394.36	.....
Yorktown	406.86	584.30	177.44	.....
Total	\$12,705.29	\$14,746.76	\$2,781.54	\$740.07

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$1,174.21	\$1,435.49	\$261.28	.....
Dannemora (prison)	161.40	312.28	150.88	.....
Dannemora (hospital)	564.15	945.71	381.56	.....
Matteawan	1,448.82	1,381.09	.....	\$67.73
Ossining . . . . .	.....	.....	.....	.....
Valatie	186.75	212.37	25.62	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$3,535.33	\$4,286.94	\$819.34	\$67.73

Summary

Charitable institutions	\$13,733.94	\$16,132.79	\$2,576.08	\$177.23
Hospitals	12,705.29	14,746.76	2,781.54	740.07
Prisons	3,535.33	4,286.94	819.34	67.73
Total	\$29,974.56	\$35,166.49	\$6,176.96	\$985.03

SHEEP

Charitable Institutions

Albion . . . . .	.....	.....	.....	.....
Batavia . . . . .	.....	.....	.....	.....
Bath . . . . .	.....	.....	.....	.....
Bedford . . . . .	.....	.....	.....	.....
Elmira . . . . .	.....	.....	.....	.....
Green Haven . . . . .	.....	.....	.....	.....
Hudson . . . . .	.....	.....	.....	.....
Industry	\$839.85	\$923.87	\$84.02	.....
Iroquois . . . . .	.....	.....	.....	.....
Napanoch . . . . .	.....	.....	.....	.....
Newark . . . . .	.....	.....	.....	.....
Oxford . . . . .	.....	.....	.....	.....
Randall's Island . . . . .	.....	.....	.....	.....
Ray Brook . . . . .	.....	.....	.....	.....
Rome . . . . .	.....	.....	.....	.....
Sonyea . . . . .	.....	.....	.....	.....
Syracuse . . . . .	.....	.....	.....	.....
Thiells . . . . .	.....	.....	.....	.....
West Haverstraw . . . . .	.....	.....	.....	.....
Yorktown Heights . . . . .	.....	.....	.....	.....
Total	\$839.85	\$923.87	\$84.02	.....

Hospitals

Binghamton	\$414.00	\$409.53	.....	\$4.47
Brooklyn . . . . .	.....	.....	.....	.....
Buffalo . . . . .	.....	.....	.....	.....

Hospitals — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Central Islip
Gowanda	153.70	64.06	.....	89.64
Kings Park
Middletown
Ogdensburg
Poughkeepsie
Rochester
Utica
Ward's Island
Willard
Yorktown
Total	\$567.70	\$473.59	.....	\$94.11

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$471.18	\$532.59	\$61.41	.....
Dannemora (prison) . . . . .	.....	.....	.....	.....
Dannemora (hospital) . . . . .	.....	.....	.....	.....
Matteawan . . . . .	.....	.....	.....	.....
Ossining . . . . .	.....	.....	.....	.....
Valatie . . . . .	.....	.....	.....	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$471.18	\$532.59	\$61.41	.....

Summary

Charitable institutions	\$839.85	\$923.87	\$84.02	.....
Hospitals	567.70	473.59	.....	\$94.11
Prisons	471.18	532.59	61.41	.....
Total	\$1,878.73	\$1,930.05	\$145.43	\$94.11

HORSES AND OXEN

Charitable Institutions

INSTITUTION	COST	VALUE	PROFIT	LOSS
Albion	\$1,954.86	\$1,984.00	\$29.14	.....
Batavia	1,009.98	975.00	.....	\$34.98
Bath	3,579.88	3,600.00	20.12	.....
Bedford	2,734.77	2,089.00	.....	645.77
Elmira	4,627.95	3,288.50	.....	1,339.45
*Green Haven	1,229.38	875.00	.....	354.38
Hudson	1,244.46	1,489.00	244.54	.....
Industry	22,654.16	25,283.50	2,629.34	.....
Iroquois	3,592.59	2,883.00	.....	709.59
Napanoch	1,185.51	624.00	.....	561.51
Newark	1,314.58	1,678.00	363.42	.....
Oxford	1,476.56	1,458.88	.....	17.68
Randall's Island	1,036.85	880.00	.....	156.85
Ray Brook	814.82	850.00	35.18	.....
Rome	13,966.86	12,178.50	.....	1,788.36
Sonyea	11,920.59	8,619.88	.....	3,300.71
Syracuse	6,374.52	3,456.50	.....	2,918.02

* Included in Poughkeepsie

Charitable Institutions — Continued

INSTITUTION	COST	VALUE	PROFIT	LOSS
Thiells	7,107.13	6,850.00	.....	257.13
West Haverstraw	571.10	479.00	.....	92.10
Yorktown Heights	2,790.90	3,527.17	736.27	.....
Total	\$89,958.07	\$82,193.93	\$4,058.01	\$11,822.15

Hospitals

Binghamton	\$13,660.54	\$10,726.50	.....	\$2,934.04
Brooklyn	1,865.97	1,300.00	.....	565.97
Buffalo	589.19	769.50	\$180.31	.....
Central Islip	3,572.94	2,360.00	.....	1,212.94
Gowanda	4,550.19	4,844.57	294.38	.....
Kings Park	5,668.71	6,515.40	846.69	.....
Middletown	4,038.60	4,419.94	381.34	.....
Ogdensburg	6,359.57	4,469.75	.....	1,889.82
Poughkeepsie	10,159.78	6,937.50	.....	3,222.28
Rochester	5,131.24	4,378.75	.....	752.49
Utica	22,419.44	14,075.00	.....	8,344.44
Ward's Island	1,598.40	975.00	.....	623.40
Willard	10,990.63	6,538.75	.....	4,451.88
Yorktown	5,200.91	3,911.68	.....	1,289.23
Total	\$95,806.11	\$72,222.34	\$1,702.72	\$25,286.49

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$7,377.49	\$8,296.00	\$918.51	.....
Dannemora (prison)	1,052.02	1,000.00	.....	\$52.02
Dannemora (hospital)	2,230.04	2,270.59	40.55	.....
Matteawan	7,936.41	14,789.50	6,853.09	.....
Ossining . . . . .	.....	.....	.....	.....
Valatie	2,559.89	3,925.00	1,367.11	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$21,153.85	\$30,281.09	\$9,179.26	\$52.02

Summary

Charitable institutions	\$89,958.07	\$82,193.93	\$4,058.01	\$11,822.15
Hospitals	95,806.11	72,222.34	1,702.72	25,286.49
Prisons	21,153.85	30,281.09	9,179.26	52.02
Total	\$206,918.03	\$184,697.36	\$14,939.99	\$37,160.66

LABOR

Charitable Institutions

INSTITUTION	VALUE
Albion	\$2,568.00
Batavia	667.20
Bath	7,091.40
Bedford	2,932.00
Elmira	2,986.00
*Green Haven	987.12

* Included in Poughkeepsie

Charitable Institutions — Continued

INSTITUTION	VALUE
Hudson	935.00
Industry	1,692.00
Iroquois	1,800.00
Napanoch	900.00
Newark	1,922.00
Oxford	1,360.80
Randall's Island	600.00
Ray Brook	60.00
Rome	12,828.00
Sonyea	11,230.10
Syracuse	3,224.80
Thiells	4,033.10
West Haverstraw	765.00
Yorktown Heights	4,439.77
Total	\$62,035.17

Hospitals

Binghamton	\$10,149.50
Brooklyn	2,184.29
Buffalo	1,497.01
Central Islip	6,564.00
Gowanda	8,103.54
Kings Park	7,577.88
Middletown	9,583.57
Ogdensburg	10,740.07
Poughkeepsie	8,341.93
Rochester	5,324.26
Utica	13,861.07
Ward's Island	4,766.42
Willard	12,197.75
Yorktown	3,948.11
Total	\$104,839.40

Prisons

Auburn	\$1,800.00
Comstock	1,020.00
Dannemora (prison)	1,140.71
Dannemora (hospital)	6,349.00
Matteawan	486.00
Ossining	
Valatie	
Wingdale	
Total	\$10,795.71

Summary

Charitable institutions	\$62,035.17
Hospitals	104,839.40
Prisons	10,795.71
Total	\$177,670.28

FARM LAND, ACREAGE

Charitable Institutions

INSTITUTION	AVAILABLE FOR CULTIVATION	NOT AVAILABLE	RENTED	*LAWNS AND BUILDINGS	TOTAL
Albion	64	28.57		28.57	92.57
Batavia	19	41.7		41	60.7
Bath	200	175.5		75.5	375.5
Bedford	85	110.5	57	18.25	195.5
Elmira	203	133	151	20	336
†Green Haven	754	71		10	825
Hudson	36	81.43		31	117.43
Industry	1,096.66	336		105	1,432.66
Iroquois	75	25	47.3	25	100
Napanoch	40	254		37	294
Newark	61.5	41.94		38	103.44
Oxford	40.25	63.5		4 5	103.75
Randall's Island	8	29.5		16	37.5
Ray Brook	9	507		2	516
Rome	497.83	97	240	50	594.83
Sonyea	720	1,178.54		41	1,898.54
Syracuse	212	62		42	274
Thiells	678	1,400.85		22	2,078.85
West Haverstraw	27	21.5		16.5	48.5
Yorktown Heights	327.5	163		10	490.5
Total	5,153.74	4,821.53	495.3	633.32	9,975.27

Hospitals

Binghamton	655	708		236	1,363
Brooklyn	150	70		20	220
Buffalo	65	118		118	183
Central Islip	255	739		199	994
Gowanda	335	170	230	47.68	505
Kings Park	141.625	692.981		218.715	834.61
Middletown	372	168		40	540
Ogdensburg	700	315	294	214	1,015
Poughkeepsie	480	386.68	825	71.68	866.68
Rochester	181.75	87.641		59.142	269.39
Utica	1,156	246		130	1,402
Ward's Island	69	176		176	245
Wiliard	822	395	130	130	1,217
Yorktown	329.75	272.25		16	602
Total	5,712.13	4,544.55	1,479	1,676.22	10,256.68

Prisons

Auburn					20
Comstock	312	686.22		12	998.22
Dannemora (prison)	72	1,272		10	1,344
Dannemora (hospital)	27	107		22	134
Matteawan	382	100.49		35	482.49
Ossining					70
Valatie	220	99		5	319
Wingdale					678.5
Total	1,013	2,264.71		84	3,986.21

* Included in "Not available"

† Rented by Poughkeepsie

Summary

INSTITUTION	AVAILABLE FOR CULTIVATION	NOT AVAILABLE	RENTED	*LAWNS AND BUILDINGS	TOTAL
Charitable institutions . .	5,153.74	4,821.53	495.3	633.32	9,975.27
Hospitals	5,712.13	4,544.55	1,479	1,676.22	10,256.68
Prisons	1.013	2,264.71		84	3,986.21
Total	11,878.87	11,630.79	1,974.3	2,393.54	24,218.16

FARM LAND

(Land not occupied by institution buildings)

Charitable Institutions

INSTITUTION	BEGINNING YEAR	ENDING YEAR	GAIN	LOSS
Albion	\$7,000.00	\$7,000.00		
Batavia	1,238.40	1,280.00	\$41.60	
Bath	12,234.75	12,289.00	54.25	
Bedford	41,234.22	41,540.55	306.33	
Elmira	10,156.24	10,156.24		
†Green Haven	22,620.00	22,620.00		
Hudson	9,947.00	9,947.00		
Industry	1,360,011.76	1,368,817.91	806.15	
Iroquois	4,632.53	4,632.53		
Napanoch	8,400.00	8,400.00		
Newark	10,000.00	10,000.00		
Oxford	7,588.25	7,628.25	40.00	
Randall's Island	800.00	800.00		
Ray Brook	2,450.00	2,450.00		
Rome	41,356.69	43,210.00	1,853.31	
Sonyea	113,557.70	112,975.00		\$582.70
Syracuse	22,407.50	22,407.50		
Thiells	209,106.29	209,106.29		
West Haverstraw	3,040.00	3,400.00	360.00	
Yorktown Heights	34,150.97	34,468.96	317.99	
Total	\$675,312.30	\$678,509.23	\$3,779.63	\$582.70

Hospitals

Binghamton	\$22,569.85	\$22,710.00	\$140.15	
Brooklyn	36,250.00	36,250.00		
Buffalo	6,500.00	6,500.00		
Central Islip	34,285.61	35,610.61	1,325.00	
Gowanda	36,785.35	36,785.35		
Kings Park	20,561.50	20,561.50		
Middletown	48,330.47	48,568.80	238.33	
Ogdensburg	80,994.96	80,994.96		
Poughkeepsie	95,855.15	95,855.15		
Rochester	59,025.00	59,025.00		
Utica	150,530.99	150,530.99		
Ward's Island	88,941.00	88,941.00		
Willard	99,653.12	100,020.00	366.88	
Yorktown	26,472.32	27,865.98	1,393.66	
Total	\$806,755.32	\$810,219.34	\$3,464.02	

* Included in "Not available"

† Included in Poughkeepsie

Prisons

INSTITUTION	BEGINNING YEAR	ENDING YEAR	GAIN	LOSS
Auburn				
Comstock	\$52,294.21	\$54,908.92	\$2,614.71	
Dannemora (prison)	34,032.00	34,032.00		
Dannemora (hospital)	2,199.00	2,245.00	46.00	
Matteawan	42,246.25	42,553.12	306.87	
Ossining				
Valatie	13,526.58	13,816.58	290.00	
Wingdale				
Total	\$144,298.04	\$147,555.62	\$3,257.58	

Summary

Charitable institutions	\$675,312.30	\$678,509.23	\$3,779.63	\$582.70
Hospitals	806,755.32	810,219.34	3,464.02	
Prisons	144,298.04	147,555.62	3,257.58	
Total	\$1,626,365.66	\$1,636,284.19	\$10,501.23	\$582.70

FARM AND GARDEN BUILDINGS

Charitable Institutions

INSTITUTION	INVENTORY BEGINNING YEAR	INVENTORY ENDING YEAR	INCREASED VALUE	DEPRE- CIATION
Albion	\$10,600.00	\$10,425.00		\$175.00
Batavia	7,100.00	7,100.00		
Bath	10,786.78	8,710.00		†2,076.78
Bedford	16,600.00	16,600.00		
Elmira	33,308.00	33,308.00		
*Green Haven	10,375.00	10,375.00		
Hudson	4,369.00	4,355.00		14.00
Industry	50,135.50	47,773.22		2,362.28
Iroquois	15,243.70	15,180.00		63.70
Napanoch	395.00	370.00		25.00
Newark	5,680.00	5,680.00		
Oxford	6,327.00	6,327.00		
Randall's Island	2,400.00	2,350.00		50.00
Ray Brook	700.00	700.00		
Rome	32,150.00	31,500.00		650.00
Sonyea	20,500.00	20,500.00		
Syracuse	20,025.36	19,980.00		45.36
Thiells	19,386.99	19,351.99		35.00
West Haverstraw	510.00	500.00		10.00
Yorktown Heights	9,774.47	10,255.78	481.31	
Total	\$265,991.80	\$260,965.99	\$481.31	\$5,507.12

Hospitals

Binghamton	\$32,956.95	\$32,500.00		\$456.95
Brooklyn	4,686.83	4,600.00		86.83
Buffalo	8,527.96	8,527.96		
Central Islip	8,935.26	8,929.39		5.87
Gowanda	10,999.97	9,945.00		1,054.97
Kings Park	31,854.76	32,000.00	145.24	

* Included in Poughkeepsie

† Loss caused largely by fire

INSTITUTION	INVENTORY	INVENTORY	INCREASED	DEPRECIATION
	BEGINNING	ENDING		
	YEAR	YEAR	VALUE	
Middletown	30,982.76	30,825.00	.....	157.76
Ogdensburg	53,450.00	53,450.00	‡96.00	.....
Poughkeepsie	34,932.87	34,932.87	.....	.....
Rochester	22,365.69	21,700.00	.....	665.69
Utica	29,525.00	28,850.00	.....	675.00
Ward's Island	29,450.00	29,450.00	.....	.....
Willard	80,092.60	78,704.00	.....	1,388.60
Yorktown	9,731.96	9,284.66	.....	477.30
Total	\$388,492.61	\$383,698.88	\$241.24	\$4,938.97

Prisons

Auburn . . . . .	.....	.....	.....	.....
Comstock	\$21,811.16	\$21,811.16	.....	.....
Dannemora (prison)	4,400.00	4,400.00	.....	.....
Dannemora (hospital)	4,763.00	4,750.00	.....	\$13.00
Matteawan	31,594.09	31,625.00	\$30.91	.....
Ossining . . . . .	.....	.....	.....	.....
Valatie	9,225.00	9,225.00	.....	.....
Wingdale . . . . .	.....	.....	.....	.....
Total	\$71,793.25	\$71,811.16	\$30.91	\$13.00

Summary

Charitable institutions	\$265,991.80	\$260,965.99	\$481.31	\$5,507.12
Hospitals	388,492.61	383,698.88	241.24	4,938.97
Prisons	71,793.25	71,811.16	30.91	13.00
Total	\$726,277.66	\$716,476.03	\$753.46	\$10,459.09
Net depreciation. . . . .	.....	.....	.....	\$9,705.63

FARM IMPLEMENTS

Charitable Institutions

INSTITUTION	INVENTORY	INVENTORY	DEPRECIATION
	BEGINNING	ENDING	
	YEAR	YEAR	
Albion	\$1,465.33	\$1,404.08	\$61.25
Batavia	420.81	384.75	36.06
Bath	2,648.57	2,384.82	263.75
Bedford	2,356.99	1,661.17	695.82
Elmira	8,270.36	8,154.76	115.60
*Green Haven	707.87	694.22	13.65
Hudson	2,325.83	2,213.80	112.03
Industry	19,684.19	17,314.81	2,369.38
Iroquois	1,261.90	1,180.15	81.75
Napanoch	452.40	402.60	49.80
Newark	1,397.80	1,379.11	18.69
Oxford	1,854.45	1,582.70	271.75
Randall's Island	707.79	604.74	103.05
Ray Brook	32.40	25.00	7.40
Rome	7,488.76	7,303.89	184.87
Sonyea	3,927.22	3,774.57	152.65
Syracuse	3,818.51	2,707.28	1,111.23

‡ Rental received

* Included in Poughkeepsie

Charitable Institutions — Continued

INSTITUTION	INVENTORY BE- GINNING YEAR	INVENTORY ENDING YEAR	DEPRECI- ATION
Thiells	5,235.35	4,858.71	376.64
West Haverstraw	109.07	98.51	10.56
Yorktown Heights	2,474.17	2,474.17	.....
Total	65,931.90	\$59,909.62	\$6,022.28

Hospitals

Binghamton	\$5,483.40	\$4,794.40	\$689.00
Brooklyn	1,234.27	1,100.60	133.67
Buffalo	585.19	539.12	46.07
Central Islip	1,708.65	1,519.56	189.09
Gowanda	2,867.79	2,364.78	503.01
Kings Park	4,235.80	3,081.92	1,153.88
Middletown	3,042.63	2,622.54	420.09
Ogdensburg	8,508.30	7,974.12	534.18
Poughkeepsie	3,839.78	3,817.62	22.16
Rochester	2,709.33	2,486.77	222.56
Utica	11,788.73	10,216.83	1,571.90
Ward's Island	1,403.02	1,297.24	105.78
Willard	6,488.57	5,500.38	988.19
Yorktown	3,101.95	2,058.10	1,043.85
Total	\$56,997.41	\$49,373.98	\$7,623.43

Prisons

Auburn . . . . .	.....	.....	.....
Comstock	\$7,806.33	\$6,306.33	\$1,500.00
Dannemora (prison)	640.55	640.55	.....
Dannemora (hospital)	364.58	288.95	75.63
Matteawan	4,587.01	4,251.99	335.02
Ossining . . . . .	.....	.....	.....
Valatie	1,524.90	1,299.00	225.90
Wingdale . . . . .	.....	.....	.....
Total	\$14,923.37	\$12,786.82	\$2,136.55

Summary

Charitable institutions	\$65,931.90	\$59,909.62	\$6,022.28
Hospitals	56,997.41	49,373.98	7,623.43
Prisons	14,923.37	12,786.82	2,136.55
Total	\$137,852.68	\$122,070.42	\$15,782.26

FARM INVESTMENT

Charitable Institutions

INSTITUTION	INVENTORY BE- GINNING YEAR	INVENTORY ENDING YEAR	INTEREST ON INVESTMENT
Albion	\$20,841.88	\$21,113.08	\$1,042.09
Batavia	8,939.86	9,228.50	446.99
Bath	32,150.19	29,944.82	1,607.50
Bedford	61,896.06	63,103.12	3,094.80
Elmira	32,290.88	59,957.05	1,614.54

Charitable Institutions — Continued

INSTITUTION	INVENTORY BE- GINNING YEAR	INVENTORY ENDING YEAR	INTEREST ON INVESTMENT
*Green Haven	34,758.87	34,838.22	1,737.94
Hudson	18,157.44	18,081.05	907.87
Industry	228,675.10	229,562.44	11,433.75
Iroquois	24,584.42	26,119.15	1,229.22
Napanoch	10,241.51	10,199.20	512.07
Newark	17,817.80	18,321.61	890.89
Oxford	17,472.20	17,188.60	873.61
Randall's Island	4,392.94	4,184.74	219.65
Ray Brook	3,475.00	3,475.00	173.75
Rome	94,647.88	105,672.40	4,732.39
Sonyea	153,857.76	155,127.47	7,692.88
Syracuse	51,738.63	50,876.03	2,586.93
Thiells	237,202.26	240,865.99	11,860.11
West Haverstraw	3,488.24	4,486.01	174.41
Yorktown Heights	46,445.39	50,030.55	2,322.27
Total	\$1,068,315.44	\$1,117,536.81	\$53,415.72

Hospitals

Binghamton	\$86,389.60	\$89,601.30	\$4,319.48
Brooklyn	43,049.12	43,049.60	2,152.46
Buffalo	17,482.46	17,833.12	874.12
Central Islip	49,492.47	53,728.81	2,474.62
Gowanda	58,277.70	59,338.53	2,913.88
Kings Park	64,292.55	64,885.42	3,214.62
Middletown	84,628.84	84,628.84	4,231.44
Ogdensburg	160,474.56	166,609.33	8,023.73
Poughkeepsie	144,398.61	146,956.94	7,219.93
Rochester	86,373.54	86,904.77	4,318.67
Utica	216,236.19	217,955.82	10,811.81
Ward's Island	121,294.03	121,841.49	6,064.70
Willard	202,529.57	207,655.98	10,126.48
Yorktown	40,919.22	43,280.38	2,045.96
Total	\$1,375,838.46	\$1,404,270.33	\$68,791.90

Prisons

Auburn . . . . .	.....	.....	.....
Comstock	\$88,223.23	\$90,839.42	\$4,411.16
Dannemora (prison)	42,234.15	42,760.50	2,111.70
Dannemora (hospital)	9,517.91	9,649.75	475.90
Matteawan	88,819.03	87,829.86	4,440.95
O-sining . . . . .	.....	.....	.....
Valatie	26,225.05	27,623.33	1,311.25
Wingdale . . . . .	.....	.....	.....
Total	\$255,019.37	\$258,702.86	\$12,750.96

Summary

Charitable institutions	\$1,068,315.44	\$1,117,536.81	\$53,415.72
Hospitals	1,375,838.46	1,404,270.33	68,791.90
Prisons	255,019.37	258,702.86	12,750.96
Total	\$2,699,173.27	\$2,780,510.00	\$134,958.58

* Included in Poughkeepsie

SUMMARY

Charitable Institutions

INSTITUTION	FARM INVEST- MENT	PROFIT	RATE OF PROFIT	INTEREST ON INVESTMENT AT 5%	NET PROFIT
Albion	\$20,841.88	\$1,064.61	.051	\$1,042.09	\$22.52
Batavia	8,939.86	997.49	.111	446.99	550.50
Bath	32,150.19	*2,123.02	.066	1,607.50	*3,730.52
Bedford	61,896.06	3,741.35	.06	3,094.80	646.55
Elmira	32,290.88	2,825.20	.0874	1,614.54	1,210.66
*Green Haven	34,758.87	6,120.66	.176	1,737.94	4,382.72
Hudson	18,157.44	1,772.95	.097	907.87	865.08
Industry	228,675.10	34,339.05	.15	11,433.75	22,905.30
Iroquois	24,584.42	4,959.16	.201	1,229.22	3,729.94
Napanoch	10,241.51	1,305.37	.1274	512.07	793.30
Newark	17,817.80	1,868.73	.104	890.89	977.84
Oxford	17,472.20	2,905.12	.166	873.61	2,031.51
Randall's Island	4,392.94	276.86	.063	219.65	57.21
Ray Brook	3,475.00	496.24	.142	173.75	322.49
Rome	94,647.88	21,900.18	.2317	4,732.39	17,167.79
Sonyea	153,857.76	13,403.75	.087	7,692.88	5,710.87
Syracuse	51,738.63	1,098.00	.021	2,586.93	*1,488.93
Thiells	237,202.26	3,992.28	.017	11,860.11	*7,867.83
West Haverstraw	3,488.24	942.17	.27	174.41	767.76
Yorktown Heights	46,445.39	1,516.06	.032	2,322.27	*806.21
Total	\$1,068,315.44	\$97,281.55	.091	\$53,415.72	\$43,865.83

Hospitals

Binghamton	\$86,389.60	\$23,195.96	.268	\$4,319.48	\$18,876.48
Brooklyn	43,049.12	3,542.64	.082	2,152.46	1,390.18
Buffalo	17,482.46	6,098.85	.348	874.12	5,224.73
Central Islip	49,492.47	12,812.78	.2588	2,474.62	10,338.16
Gowanda	58,277.70	10,231.77	.175	2,913.88	7,317.89
Kings Park	64,292.55	4,634.41	.072	3,214.62	1,419.79
Middletown	84,628.84	6,281.48	.0742	4,231.44	2,050.04
Ogdensburg	160,474.56	26,014.56	.162	8,023.73	17,990.83
Poughkeepsie	144,398.61	20,845.35	.144	7,219.93	13,625.42
Rochester	86,373.54	8,405.13	.0973	4,318.67	4,086.46
Utica	216,236.19	14,112.61	.065	10,811.81	3,300.80
Ward's Island	121,294.03	11,909.86	.098	6,064.70	5,845.16
Willard	202,529.57	27,849.72	.132	10,126.48	17,723.24
Yorktown	40,919.22	1,612.77	.039	2,045.96	*433.19
Total	\$1,375,838.46	\$177,547.89	.129	\$68,791.90	\$108,755.99

Prisons

Auburn . . . . .	.....	.....	.....	.....	.....
Comstock	\$88,223.23	\$10,227.59	.115	\$4,411.16	\$5,816.43
Dannemora (prison)	42,234.15	5,411.57	.128	2,111.70	3,299.87
Dannemora (hosp.)	9,517.91	2,876.32	.302	475.90	2,400.42
Matteawan	88,819.03	23,100.02	.261	4,440.95	18,659.07
Ossining . . . . .	.....	.....	.....	.....	.....
Valatie	26,225.05	3,442.54	.131	1,311.25	2,131.29
Wingdale . . . . .	.....	.....	.....	.....	.....
Total	\$255,019.37	\$45,058.04	.176	\$12,750.96	\$32,307.08

* Included in Poughkeepsie

Summary

INSTITUTION	FARM INVEST- MENT	PROFIT	RATE OF PROFIT	INTEREST ON INVESTMENT AT 5%	NET PROFIT
Charitable inst	\$1,068,315.44	\$97,281.55	.091	\$53,415.72	\$43,865.83
Hospitals	1,375,838.46	177,547.89	.129	68,791.90	10,875.99
Prisons	255,019.37	45,058.04	.176	12,750.96	32,307.08
Total	\$2,699,173.27	\$319,887.48	.118	\$134,958.58	\$184,928.90

The profit and loss are divided as follows:

	LOSS	PROFIT
Field crops		\$92,447.78
Dairy		79,079.98
Garden products		74,259.22
Swine		40,880.33
Potatoes		27,739.37
Fruit products		22,245.32
Poultry		5,191.93
Sheep		51.32
Horses, mules and oxen	\$22,220.67	
Increased value of farm		9,918.53
Farm and garden buildings	9,705.63	
Total	\$31,926.30	\$351,813.78
Net profit		\$319,887.48

This department has been glad to answer any requests for advice concerning the purchase of farm supplies, machinery, etc., as well as the feeding and housing of stock. A monthly statement of prices of cattle feeds has been issued, showing the most economical feeds according to cost of digestible nutrients and how to select feeds for balanced rations. Plans of buildings have been designed and suggested, according to the needs indicated.

Among the estimates that have been submitted for revision are the quarterly estimates of the requirements for the State farms. These have been regularly and carefully reviewed, to the end that advice might be given on the purchase of various supplies, as follows:

1. Purchase of necessary cattle feeds to provide the most suitable rations economically;
2. Selection of approved types of machinery and tools best adapted to the use for which they are intended, and at a reasonable cost;

3. Quantity and nature of fertilizers and spraying materials to be used ;

4. Quantities and varieties of seed to be sown.

In addition to the above may be mentioned numerous stable, dairy, garden, and poultry supplies.

While occasionally the estimates are so revised as to require the expenditure of a greater amount of money in order to take advantage of reduced rates on quantities or to purchase a more desirable machine or implement, on the other hand, the purchases suggested during the past year have effected a saving to the State amounting to over nine thousand dollars.

COUNTY ALMSHOUSE FARMS

A law was enacted in 1913 authorizing the Department of Agriculture to investigate and make recommendations for the improvement of the county almshouse farms. During the past two years there have been no direct appropriations for this work, and on account of the great shortage in funds only a limited number of inspections were made. Special requests for inspections of these farms were taken care of by our regular force. Especially good work has been done in connection with the almshouse farm at East View, Westchester County.

Inspections were made and recommendations submitted to the Boards of Supervisors of the following counties :

Allegany	Erie	Niagara	Wayne
Cattaraugus	Genesee	Orleans	Westchester
Chautauqua	Livingston	Ontario	Wyoming
Clinton	Monroe	Seneca	Yates

These recommendations included suggested improvements as follows :

DAIRY

The use of a pure-bred sire ; keeping of daily milk records ; weeding out unprofitable cows ; replenishing the dairy by raising the choicest calves ; feeding of a practical grain and roughage ration ;

buying grain on the basis of the cost of digestible nutrients at the market price; remodeling the barns to improve their sanitary condition; supplying other county institutions with dairy products that they now purchase.

SWINE

Growing of pure-bred stock; the value of forage crops in pork production; the colony system of swine management; producing the fresh and salt pork, ham, and bacon for use in the Home and to supply other institutions in the county.

POULTRY

Keeping a sufficient number to supply the Home with eggs and dressed poultry. Plans for poultry houses and crops to be grown in the yards were submitted.

ORCHARDS

Recommendations for their general management, such as spraying for the control of insect pests and fungous diseases; cultivation and the growing of cover crops to maintain and increase the fertility of the soil; setting out new orchards.

SMALL FRUITS

Advice in regard to growing a sufficient quantity to be used fresh and to supply that needed for canning and storage for use during the winter months.

MISCELLANEOUS

Rotation of general crops, including corn, oats, and hay for stock, and potatoes and beans for use in the Home and to supply other institutions; the practical use of barnyard manure, commercial fertilizers, and lime; the keeping of practical farm accounts to ascertain which units of the farm are making a profit.

The total acreage of all the county farms is 10,051, as follows:

Albany	60	Oneida	100
Allegheny	383	Onondaga	235
Bronx	0	Ontario	212
Broome	175	Orange	263
Cattaraugus	193	Orleans	155
Cayuga	96	Oswego	135
Chautauqua	438	Otsego	295
Chemung	305	Putnam	200
Chenango	175	Queens	0
Clinton	87	Rensselaer	135
Columbia	190	Richmond	0
Cortland	118	Rockland	40
Delaware	180	St. Lawrence	355
Dutchess	103	Saratoga	127
Erie	154	Schenectady	0
Essex	165	Schoharie	60
Franklin	110	Schuyler	0
Fulton	100	Seneca	126
Genesee	285	Steuben	185
Greene	298	Suffolk	600
Hamilton	0	Sullivan	101
Herkimer	65	Tioga	130
Jefferson	145	Tompkins	100
Kings	0	Ulster	167
Lewis	59	Warren	200
Livingston	151	Washington	275
Madison	165	Wayne	162
Monroe	97	Westchester	510
Montgomery	181	Wyoming	350
Nassau	0	Yates	185
New York	0		
Niagara	170	Total	10,551

Some of these farms are doing good work and should be encouraged; others may be improved so that they may become real demonstrations of practical farm management.

We found in a few instances cooperation between the county institutions, the jail supplying labor for the county farm and receiving in return agricultural products. This work should be encouraged and developed to a greater extent.

This Department feels that there are opportunities for nearly every county to have a splendid farm where employment may be given to our county charges and where their work may in a measure help toward their support.

REPORT OF NEW YORK STATE SCHOOL OF AGRICULTURE AT ALFRED UNIVERSITY

Boothe Colwell Davis, Ph. D., President

November, 30, 1915.

Hon. CHARLES S. WILSON, *State Commissioner of Agriculture, Albany, N. Y.*

Dear Sir:

Permit me to hand you herewith a copy of the annual report of the Director of the New York State School of Agriculture at Alfred University, for the year ending September 30. This report is transmitted to you as the annual report of the Board of Managers for the last fiscal year.

Very respectfully yours,

BOOTHE C. DAVIS,
President.

BOARD OF MANAGERS

Boothe C. Davis, Ph. D., *President*, Alfred
Vernon A. Baggs, *Secretary*, Alfred
Curtis F. Randolph, *Treasurer*, Alfred
B. Sheffield Bassett, Alfred
Ira A. Place, New York City
Hon. Daniel Lewis, New York City
John J. Merrill, Alfred
D. Sherman Burdick, Alfred
Frank L. Greene, Alfred
Frank Sullivan Smith, New York City
Hon. William J. Tully, Corning

EX-OFFICIO MEMBERS

Hon. Charles S. Wilson, *State Commissioner of Agriculture*
Dr. Beverly T. Galloway, *Director State College of Agriculture*
Hon. Frank N. Godfrey, *Past Master of State Grange, Olean*

EXECUTIVE COMMITTEE

Boothe C. Davis, <i>President</i>	John J. Merrill
Curtis F. Randolph, <i>Treasurer</i>	D. Sherman Burdick
Vernon A. Baggs, <i>Sec'y. and Auditor</i>	Frank L. Greene
	D. Sheffield Bassett

TO THE PRESIDENT OF ALFRED UNIVERSITY:

SIR.—I have the honor to submit herewith the seventh annual report of the New York State School of Agriculture at Alfred University for the year ending September 30, 1915.

It is a pleasure to be able to report continued progress throughout the year, the most prominent developments being the strengthening of the extension work, the addition of a special poultry department, and a closer cooperation with the various agricultural interests and organizations of the State.

BOARD OF MANAGERS

A list of the Board of Managers and the executive committee is found on the preceding page. Only one change has occurred since last year, and this is due to a change in the personnel of the State Department of Agriculture, the Commissioner of Agriculture being an ex-officio member of the Board of Control of this School. The present incumbent is the Hon. Charles S. Wilson, who has taken an active interest in matters pertaining to agricultural education.

FACULTY

The faculty consists of twenty-one professors and instructors, sixteen of whom give their full time to the school. Five are employed jointly with other departments of the University. The farm superintendent has charge of the instruction work in farm practice. The following changes have occurred during the year:

Professor George Addison Bole, who is employed jointly with other departments of the University as Professor of Chemistry, has been given a leave of absence for one year on account of illness. His place has been filled by the appointment of Mr. Charles Milligan. Mr. Milligan is a graduate of Carson Newman College with a degree of A. B., and last year completed at Chicago University the work for the degree of Bachelor of Science, taking special work in chemistry.

Mr. Luther Banta of Amsterdam, New York, a graduate of the Poultry Department of the New York State College of Agriculture at Cornell University with the degree of Bachelor of Science, has been appointed chief of the newly organized Poultry Department with rank of instructor. Mr. Banta has had considerable practical poultry experience and has practically completed the work for the degree of Master of Science.

Miss Madelia Hart Tuttle, who was last year employed jointly with other departments of the University, now gives full time to this school.

The following is a list of faculty and officers of administration:

- * BOOTH COLWELL DAVIS, A. M., Ph. D., D. D., *President*
Rural Sociology and Ethics
- WILLIAM JOSEPH WRIGHT, M. S., *Director*
Horticulture
- CHARLES ORRIN DUBOIS, B. S., *Assistant Director*
Soils, Crops and Farm Management
- ANGELINE WOOD
Domestic Science and Domestic Art
- FREDERICK SHERMAN PLACE, A. M.
Forestry and Entomology
- BYRON ERNEST PONTIUS, B. S.
Animal Husbandry and Dairy Industry
- * LINTON BROWN CRANDALL, B. S.
Farm Mechanics
- * CHARLES MILLIGAN, A. B., B. S.
Chemistry
- SUSAN MAY LANGWORTHY, Ph. B., *Librarian and Registrar*
Instructor in English
- JULIA DABOLL WOOD
Instructor in Domestic Art
- LLOYD RAYMOND WATSON, A. M.
Instructor in Chemistry
- GRACE LUCILE CHEESMAN
Instructor in Domestic Science and Domestic Art
- * RAY WINTHROP WINGATE
Instructor in Music
- * IVAN LESTER FISKE, B. S.
Instructor in Physical Training and Hygiene
- LANFORD C. WHITFORD, B. S.
Instructor in Farm Mechanics
- LUTHER BANTA, B. S.
Instructor in Poultry
- MADELIA HART TUTTLE
Instructor in History; Director of Student Literary Activities
- E. EVERETT POOLE, *Superintendent of Farm*
Instructor in Farm Practice
- WILLIAM H. THOMAS
Instructor in Farm Mechanics
- ALEXANDER HIGBIE REMSEN
Instructor in Greenhouse Management and Plant Laboratory Practice
- ADELBERT SHEFFIELD
Instructor in Dairying
- * CORTEZ R. CLAWSON, A. M.
University Librarian
- * CURTIS F. RANDOLPH
Treasurer
- VERNON A. BAGGS
Auditor
- * RUTH L. PHILLIPS, Ph. B.
Secretary to the President
- NOLLIE V. BARKHOUSE
Secretary to the Director

* Also connected with other departments of the University and receiving a part of their salary therefrom.

STUDENT ENROLLMENT

A summary of the student enrollment is shown in the following table. This indicates a slightly greater enrollment than was given in the sixth annual catalogue as it includes the names of several students who entered in the spring term after the catalogue was published.

SUMMARY OF STUDENTS

	AGRICULTURE	HOME ECONOMICS	TOTAL
Seniors	44	7	51
Juniors	21	5	26
Freshmen	39	7	46
Specials	11	17	28
Short Course.....	17	..	17
College students taking one or more courses	1	4	5
Academy students taking one or more courses .....	..	8	8
Total			181

The enrollment for the coming year will be, from present indications, exceptionally large. More than one hundred new students have already applied for entrance. This is an increase of more than seventy per cent over the entering class of last year.

COMMENCEMENT

The annual commencement and graduation exercises were held on Thursday, March 26, 1915. As a majority of the students complete their work at the close of the second term the graduation exercises are held then rather than at the close of the third term, in June. Students completing their work at the close of the third term are awarded diplomas at that time. The commencement address was delivered by Dr. Charles H. Stoddart of the Pennsylvania State College.

A list of graduates of the class of 1915 follows. Those marked "(h)" are graduates from the Home Economics course; all others from the agricultural course.

Acker, Francis	Hornell
Ivan, Adams	Corning
Allen, John	Alfred Station
Anderson, Harry	Brooklyn

Armstrong, Benjamin	Savona
Austin, Herbert	Eagle Bridge
Baker, Hazel (<i>h</i>)	Alfred Station
Barry, Thomas	New York City
Blackmore, Harry*	Grand Island
Blowers, Nora (<i>h</i>)	Alfred
Booth, George	Buffalo
Brainard, George	Binghamton
Brandes, Luman	Wellsville
Broad, Robert	Buffalo
Clark, Neal	Crittenden
Conderman, Fred	Hornell
Davis, Milo	Alfred Station
Evans, Clair	Angelica
Green, Paul	Hornell
Griffin, George	East Aurora
Hoefer, William	Geneva
Horn, Carl	Wellsville
Howard, Harold	Buffalo
Hufstader, Thomas	Buffalo
Intemann, Frederick	New York City
Lawrence, Robert	Bath
Lewis, Fern (<i>h</i>)	Alfred Station
Merriman, Halsey	Scio
Peet, Harold	Whitesville
Plumer, Luther	Otisville
Pohl, Lulu (<i>h</i>)	Redfield
Preische, Walter	Yorktown Heights
Sanford, Mark	Little Genesee
Sheridan, Arthur*	Richmond Hill
Sherman, Bernice (<i>h</i>)	Springville
Sherman, John	Saylesville, R. I.
Stickle, Howard	Centerville
Stout, Harold	Wellsville
Thiel, Frederick	Brooklyn
Toland, Gerald	Genesee

* Academic diploma only: regular diploma will be granted when requisite farm experience has been acquired.

VanHouten, Morris	Orangeburg
Williams, Cleo	Rushford
Windus, Herbert	Belmont
Winship, Harry	Salamanca
Wolfe, Archie	Forestville

BUILDINGS AND GROUNDS

As no special appropriation for buildings was made by the last Legislature, only minor changes and improvements have been made. Among these may be mentioned the painting of the house occupied by the farm superintendent and the building of a fruit and vegetable storage cellar. An addition to the poultry plant is now under construction.

EXTENSION WORK

In my report for last year I outlined a proposed scheme of co-operation with the State College of Agriculture for carrying on extension work. This has been accomplished with excellent results, and it is proposed to continue the arrangement for the coming year. The principal activities of the Extension Department have been along the line of Junior Project Work, and for the most part have been in connection with the rural schools in district No. 5 of Steuben county. This extension work has occupied the time of the Assistant Director on Fridays and Saturdays during the school year, in addition to full time during the months of July and August, and September. The following is a summary of the Junior Project Work:

1. Pruning demonstrations	15
2. Fruit-spraying demonstrations	15
3. Potato-spraying demonstrations	9
4. Personal visits to boys' potato plats and orchards	66
5. Address on Project Work, etc.	11

In addition to the above, the Annual Farmers' Week was held on March 9, 10, 11, and 12. This was probably more largely attended than any previously held. A Farmers' Picnic, in co-

operation with the Allegany County Farm Bureau and the Allegany County Pomona Grange, was held at the School on August 17.

More or less extension work in the form of lectures and demonstrations before granges and farmers' organizations outside the school has been done by practically every member of the faculty, more than sixty addresses having been given before over seven thousand people.

SHORT WINTER TERM

The short winter term has become a regular feature of the school work. Three separate short-term courses are now offered, one in General Agriculture, one in Dairying and one in Poultry and Fruit Growing. The extent of this course has increased until it is necessary to secure an additional instructor for the winter months.

NEEDS OF THE SCHOOL

For the past two years three distinct needs of the school have been pointed out:

1. A three-story laboratory and demonstration building.
2. A house practice cottage for the Home Economics Department.
3. An addition to the greenhouse to provide necessary room for laboratory work.

The need for the last two is as great, and in fact greater than in past years, but the present crowded condition of the laboratories makes it imperative that more laboratory facilities be provided. For this reason I especially urge this year that steps be taken to secure the necessary funds to purchase a site and to erect a suitable laboratory building to provide room for laboratory classes in chemistry, physics, farm machinery, and woodworking; also suitable lecture rooms and an auditorium of sufficient capacity to seat the entire student body and in which lectures and demonstrations of interest to the farming people of the community may be held. Such a building and site could probably be provided for approximately \$45,000.

In conclusion I can but express my appreciation for the hearty co-operation of the board of managers, faculty, and students, and

for the excellent *esprit de corps* which has prevailed throughout the year.

The report of the Treasurer is appended.

Respectfully submitted,

W. J. WRIGHT,

Director

TREASURER'S REPORT
(For the Year Ending September 30, 1915)

MAINTENANCE FUND

Debit

Balances October 1, 1914:

Unexpended, Chapter 729, Laws 1913.....	\$455.33	
Unexpended, Chapter 833, Laws 1913.....	66.66	
Farm, dairy, and greenhouse receipts.....	264.27	\$786.26
State Appropriation, Chapter 529, Laws 1914.....	40,000.00	
State Appropriation, Chapter 530, Laws 1914.....	3,375.00	
State Appropriation, Chapter 726, Laws 1915.....	2,300.00	45,675.00
Farm, dairy, and greenhouse receipts.....		5,561.82
		<hr/>
		\$52,023.08
		<hr/>

Credit

Remitted to State Treasurer, receipts.....		\$5,594.50
State Appropriation, Chapter 833, Laws 1913:		
Special appropriation for deficiency in maintenance		
for the year ending September 30, 1913. Unex-		
pended balance lapsed.....		66.66
Real estate	\$288.24	
Real estate maintenance.....	301.80	
Office equipment	299.07	
Office maintenance	766.78	
School equipment	725.59	
School maintenance	5,161.78	
Farm equipment	175.87	
Farm maintenance	8,568.85	
Publications	345.06	
Salaries and wages.....	21,696.05	
Traveling expenses	1,149.47	
Miscellaneous	115.55	39,594.11
Balances October 1, 1915:		
Unexpended, Chapter 529, Laws 1914.....	4,675.82	
Unexpended, Chapter 726, Laws 1915.....	1,860.40	
Farm, dairy, and greenhouse receipts.....	231.59	6,767.81
		<hr/>
		\$52,023.08

CONSTRUCTION, ETC., FUND

Debit

Balance unexpended October 1, 1914, Chapter 791,		
Laws 1913		187.41

Credit

Office equipment	\$110.00	
Farm equipment	77.41	\$187.41

CURTIS F. RANDOLPH, *Treasurer*.

REPORT OF NEW YORK STATE SCHOOL OF AGRICULTURE AT MORRISVILLE

October 18, 1915.

HON. GEORGE BEAL, *President, Board of Trustees, of The New York State School of Agriculture at Morrisville, N. Y.:*

DEAR SIR: I respectfully submit my report of the work of the New York State School of Agriculture at Morrisville, N. Y., for the year ending September 30, 1915.

That the report may be easily compared with those of previous years, the same general plan of presentation is followed.

REAL ESTATE

GIFT OF FOREST LAND

Mr. Charles O. Newton, a prominent citizen of Homer, N. Y., who is much interested in the work of the School, offered last year to turn over to the Board of Trustees of the School a tract of forest land comprising Town Lot No. 30, one hundred and seventy-five acres, in the town of Georgetown and about ten miles from Morrisville, that the School might be enabled to teach the principles of management of the farm woodlot.

Following the acceptance of Mr. Newton's gift by the Board of Trustees last fall and acting upon authority granted at that time, a bill was prepared and introduced in the Legislature of 1915, which would give the informal acceptance of your body the legislative authority it needed to become binding.

The bill was signed by the Governor. The Attorney General then took up the matter of searching the title that he might give his approval as to its sufficiency. Some delay was incurred in finding an individual who once owned the land and whose affidavit as to his celibacy was needed. The deed was recorded in the office of the Clerk of the county of Madison, September 3, 1915, in Liber 246, page 79.

With the title secured, it is now possible to make plans for properly using the gift. These should include a woodlot survey and a working plan, so that each year definite work may be accomplished with the students in improving the growth on the tract. From assurances already given, the State colleges of forestry will help us in the work. With your approval as to the general plan, work will proceed this fall.

REAL ESTATE IMPROVEMENT

GROUND

But little has been done to improve the appearance of the grounds. The farm work and routine institutional needs have more than kept the farm force busy. On the other hand, the Governor vetoed the items of appropriation for roads and grading with which it was planned to grade around the Demonstration Building and complete the roads.

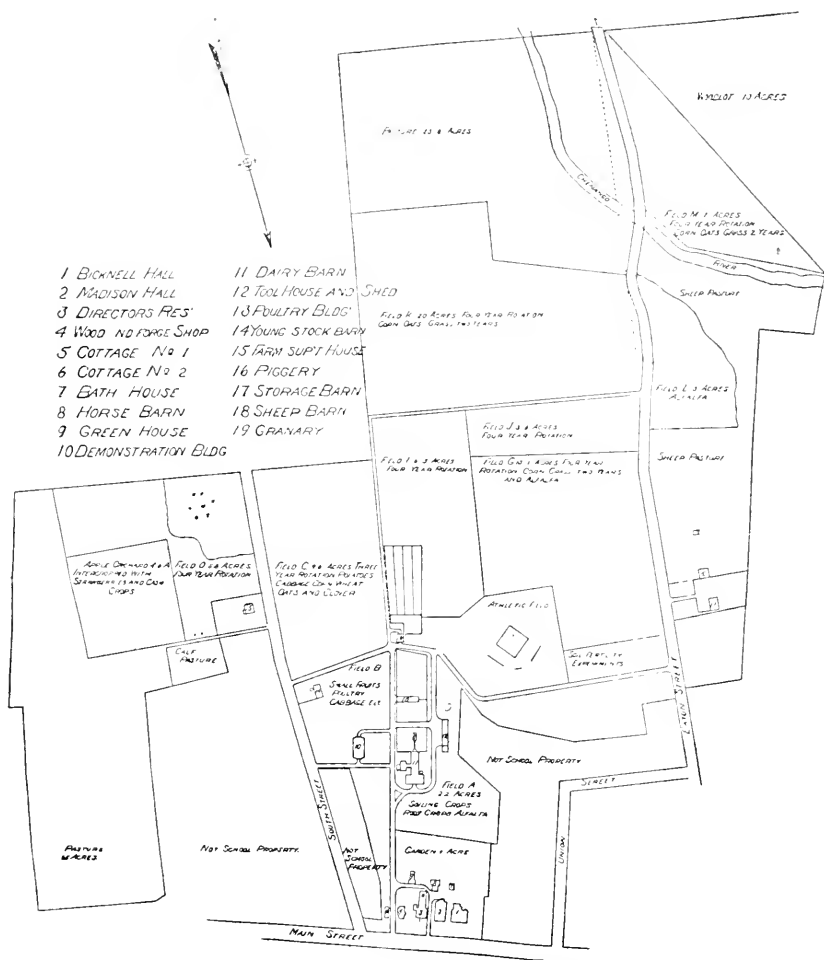
WATER SUPPLY

The reservoir, together with the necessary piping and catch basins, have been installed, and the institution has been using water from the system since the middle of July. A steel and concrete cover for the reservoir is now in process of construction and will be completed in a few days. This will accomplish several important things; namely, it will prevent entrance of dust and debris; prevent growth of algæ; and keep the water at a low temperature.

With the new system in use the institution will be obliged to purchase city water only for the following purposes: for use in heating boilers, where the spring water would, because of its hardness, cause too much scale; and for the fire risers in Madison Hall and the shops, for which the school pays \$40 per year. This means a saving of about \$400 annually.

BUILDINGS

The Demonstration Building has been completed and the contractors paid upon the proper certification of the State Architect. During the past year the building has been a most welcome addition and has been in use most of the time in the various capacities for which it was planned.



Plan of Farm and Campus of the New York School of Agriculture at Morrisville, N. Y.



The dairy barn has been completed by the students of the class of 1916 in their shop work classes. The work is most highly creditable and the class is justified in the pride that prompted them to purchase and install a bronze plate with their class numerals cast thereon. This same class also started the renovation of the old shed at the Holt barn, in order that it may be used for brood mares and colts. The class of 1917 is completing the work.

The matter of repairs to the roofs and the re-decoration of certain rooms in the various school buildings damaged because of poor roofs was brought to your attention last year. The Legislature granted, but the Governor vetoed, an appropriation to accomplish this work.

THE FARM

Only progress can be reported in the development of the farm. The season has been propitious from the standpoint of moisture and good seeding, but back of this the influence of rotation of crops and the application of manures, fertilizers, and lime are standing out as the factors that are making the improvement from year to year. The first three years of work were hampered by a lack of stable manure. With the herds now more nearly in proportion to the size of the farm, this difficulty is met and improvement in crop production more easily maintained. One of the greatest satisfactions in the farm crop work is eleven acres of alfalfa of excellent stand. During the next year this will be increased to twenty acres.

Mention was made in last year's report of the reclamation of five acres of pasture land on the Harwood farm. This is now well seeded and should produce a large crop of hay next year. This year it is planned to take up about the same amount of land in what is known as the Hockridge pasture and which adjoins Field K as shown in the diagram accompanying this report. This will be an economical move in that it will enable the teams and machinery to operate a larger tract with less turning and loss of time.

The same demonstrational work has been carried on this year as previously reported with corresponding results.

The year has seen great improvement in the live-stock departments. The following table shows the increase of the herd:

	Pure-bred Holsteins	Gradens Holstei	Jerseys Pure-bred	Ayrshires Pure-bred	Guernseys Pure-bred
October 1, 1914..	11	10	6	2	1
October 1, 1915..	22	9	9	1	1

This table does not include one grade Shorthorn cow nor five cows in the tuberculous herd.

Besides the increase from the herd, three excellent animals have been purchased.

1. Sultana's Meridale Gambige, a two-year-old Jersey heifer, not only a very fine individual but very well bred. She has given birth to a male calf sired by an Island-bred male. This calf is to be the future herd sire of the Jerseys at the school.

2. Fairview Agnes Johanna, a four-year-old Holstein from the famous Dollar herd in calf to Roy Apple Korndyke, 8th. Agnes has given birth to a heifer calf, which, with the record her mother is making, would sell for all the dam cost.

3. King Korndyke Sadie Vale Concordia, a son of one of the finest bulls of the Holstein breed, purchased from Mr. Quentin McAdams of Deansboro, who made a considerable financial sacrifice that the School might purchase the bull. This young bull, which is to be the Holstein herd sire at the school, is from a cow with a thirty-one-pound record, and through both his sire and dam is line bred to one of the greatest cows of the breed. With this animal in the herd, and barring accidents, the school will be enabled to exchange with other breeders nearby who own excellent sires, and thus, for a long time, be enabled to improve the breeding of the herd without purchasing a new sire.

After three years of negotiations, the Superintendent of Advanced Registry of the Holstein-Friesian Association of America has granted the institution the right to use the students in making advanced registry tests. This feature of the work will be taken up later. Reference to it is made now to state that under this privilege several excellent A. R. O. records have been made. Midland Segis heads the list with 30.005 pounds of butter in seven days from 555.6 pounds of milk.

With the breeding represented in the herd and with the possibility of making the A. R. O. tests a fact, the School will soon

have a herd that will attract attention, as well as furnishing excellent teaching material.

The herd of tuberculous cows has served its purpose and is being disposed of as rapidly as the cows freshen and make records to support their female offspring.

The School has had the misfortune to lose, through acute indigestion — due in one case to teething, hot weather, and corn, and in the other no ascertainable cause — the pure-bred Percherons purchased two years ago. The death of the second mare this August was the more aggravating in that an order had been placed for a mate for her in the afternoon before her sickness. In both cases everything that a veterinarian could do was done by Dr. Hewitt.

The sheep, swine, and poultry are on a very satisfactory basis and are furnishing surplus stock which is sold in nearby and city markets.

HORTICULTURE

A great deal of attention has been given during the year to the orchards and small fruits, most of the work being accomplished by the students as part of their class work.

The apple orchard is making excellent growth. This year, particularly, has seen excellent development as a result of careful cultivation. Fungous diseases are being well controlled, and numerous injuries received by the trees during their first year in the orchard are now beginning to heal. Some fruit was set this year and many of the trees are beginning to develop spurs.

Early Richmond and Montmorency cherries are doing well and should bear a crop this next year. Yellow Spanish, Napoleon, and Black Tartarian are not proving entirely hardy, though quite a number of trees of each variety seem to be making good growth.

With the exception of the Gregg black raspberries, which have been destroyed by the cane blight, the small fruits are all doing well and furnish a large amount of teaching material.

The garden has not been a paying proposition. It is not large enough, and the School is not near enough to large markets to make it a commercial proposition. It seems wise, therefore, to consider the vegetable garden purely a laboratory proposition, chargeable to school maintenance rather than to the farm.

THE STAFF

There have been no resignations in the teaching staff this year. Anson Weeden resigned June 1, as farm laborer, to go to New Jersey as a herdsman. His place was taken by Jarvis L. Robinson, a graduate of the class of 1915. Alvin Mierich, an assistant in the poultry department, resigned July 31. His place was taken by Leon Nuhn, a graduate of the class of 1915.

John W. Abrams was appointed night watchman in March at a salary of \$600 per annum, he being the only eligible in the civil service list who would accept.

The only promotion during the year is that of R. E. Cross, farm superintendent, from \$840 per annum to \$1,080 per annum, beginning December 1, 1914.

There have been no additions to the staff during the year.

THE SCHOOL

The year has been the best in the history of the School. The equipment has been used to the limit of its capacity by an enrollment that made it impossible to accommodate students from the training class and grammar grades in the local high school. There has been an *esprit de corps* and cooperation between the students and faculty that has made the year especially worth while. A schedule of the enrollment follows:

Two-year courses in agriculture.....	102
Two-year courses in home economics.....	15
Year trades courses.....	10
Short winter course in agriculture.....	28
Short winter course in home economics.....	4
Specials in agriculture.....	9
Specials in home economics.....	7
Total	175

The enrollment for the year 1915-1916, as a whole, promises to equal that of last year. July 1 there were more applications on hand than there are usually at the middle of August. There were, however, more withdrawals after this time than is usual, the

reasons ascribed most often being the hard seasons. A factor that has had considerable to do with it is that, owing to the cutting of appropriations for general expense by the Legislature of 1914, it was impossible to spend only a third of what we usually spend for advertising. This is discussed further under the heading of publicity.

Thirty-two students, twenty-nine men and three women, were graduated at the fourth commencement, held June 6-8. The students have taken their places in life along the same lines as have those of preceding years, and what was said concerning their work in the report of last year may be said this year also.

COURSES OF STUDY

In the fourth annual report considerable attention was given to the description of the elective group system and to an argument for its value to the students in this institution. Experience with two classes and the testimony of the students emphasize the fact that the inauguration of this system has been a wise move.

Last year, because of the elective group system, it was possible to emphasize the practical work to a greater degree than ever before. The juniors were carefully canvassed as to their past experience, and, during the first half of the year, those who had no previous experience worked in the cow barns and with the horses, as well as in the field. During the second half-year, practical work, directly supplemental to the class work, occupied much of the juniors' attention.

With the seniors, work on the farm has had as important a place as the work in classrooms, and there is growing, with the development of the herds and flocks, an increasing desire on the part of the students to participate in this work. Advanced Registry feeding and testing; general dairy management; fitting for show ring; observation and care of sick animals; testing and grading seeds; planting and harvesting farm crops; treating seeds for disease; leveling and laying drain tile; setting out fruit trees; pruning; spraying; general orchard cultivation and management; care of small fruits; making spray mixtures; incubation, brooding, and management of poultry; killing, dressing, and packing of poultry; sorting and packing of eggs; forge work; pipe fitting; concrete

work; harness making and repairing; rope splicing; manufacture of butter, cheese, and ice cream; and handling of market milk are some of the various lines of practical work engaged in by the seniors in their elective courses.

One of the interesting and satisfying things about the work has been the fact of the great development that has taken place in most of the young men. The average preparation of the men students is about two and one-half years of high school. Most of them have left high school because there seemed to be nothing practical in it for them, or because of more or less economic necessity. The work at this institution, while appealing to them enough to bring them here, has seemed to them, when first here to require a great deal of time, and the tendency on the part of many is to look at the time and effort as a great sacrifice. Some men drop out and a few never rise very far above the ambition they possessed at matriculation, but the majority of the students show their realization and appreciation of the value of the work by desiring to have the course extended a year or two. Among these men are many who should go and want to go to college. In other words, the School is bringing men to a realization of the opportunity education offers and is pointing to some the duty of college work.

As previously stated, the average preparation is about two years in high school. With the present status of the course of study, it is not possible for persons desiring to go to college to use their work in the institution for entrance credits. The two years, from the standpoint of college work, are wasted, and the institution has been a blind end rather than a stepping stone to students. With this situation in mind, and with the provision in the law establishing the School to the effect that the course shall coordinate as far as possible with those of the State College of Agriculture at Cornell University, authority was given to the Director by your Board to confer with the authorities at Cornell and to arrange the courses of study so that in the accomplishment of their primary purpose of training men and women for life in the country, they may also count for entrance credits to college.

A conference was held with the authorities at Cornell and it was decided that for those who had two years of high school work, the work of this institution would give enough additional credits to secure entrance to the College of Agriculture, providing chemis-

try be made a five-hour-a-week subject; that the work in history be extended to a year; and that the course in English be made to conform to college requirements, or that some arrangements be made with the local high school to give these students their work in English.

STUDENT GOVERNMENT

The organization of the Student Senate for student government was mentioned in last year's report. The Senate has proved its worth, and, because of the close cooperation that has been maintained between it and the school administration, harmony and good discipline have prevailed.

HEALTH AND SANITATION

An epidemic of scarlet fever last December, involving four cases among the students and an epidemic of infectious boils were complications of the year's work. The source of infection in either epidemic is not definitely known, although it has been felt that the scarlet fever originated from some second-hand furniture and co-operation with the local and State health authorities was maintained.

Last year your attention was called to the sanitary aspects of the buildings. Since then a report of a sanitary inspection of the institution required by Section 14 of the Public Health Law has been addressed to your Board. The report emphasizes the need of more adequate laboratory and class room and of proper ventilating facilities in the present buildings, and the request of the Commissioner of Health makes action necessary.

EXTENSION WORK

Extension work has been limited this past year, owing to the large amount of class-room work imposed upon the teachers and the inability to use the extension fund because of the wording of the law. At the same time, farm institute work in DeRuyter and Canastota in cooperation with the State Department of Agriculture and the usual contact with local associations of nearly every description have given the institution a chance to be of service.

The farm survey work has had to be discontinued for a time, owing to pressure of class work. It is hoped that it will be possible with funds now available to continue this work this year.

Farmers' Week and Morrisville Fair continue to be events of educational value, and attract large numbers of people.

As your Board has recognized in granting authority and in approving appropriations, the school has a field in Central New York for extension service. Contact with the problem for the past few years makes the following points stand out:

1. That whatever the institution does should not duplicate work done by other agencies.
2. That to avoid such duplication, the institution should co-operate with those agencies which are directing State policies of extension service.
3. That there should be some one on the staff of the school directly in touch with the extension needs of this county and adjacent territory.

With these points in mind, the Director secured the approval of your Board to his recommendation that negotiations be entered into with the State College of Agriculture at Cornell looking toward cooperative extension service with that institution.

Conferences on the matter led to the conclusion that the farm bureau agent, through which this institution can, in cooperation with the State College of Agriculture and the State Department of Agriculture, carry out a schedule of successful extension work. To do this, the School can offer to a farm bureau agent office privileges and the help of the teachers regarding special problems, also funds to pay at least a nominal sum towards his salary. Such an arrangement would, possibly, avail the institution of funds from the Smith-Lever funds appropriated by the Federal Government for extension service.

Considerable work has been done by the Director towards the organization of a farm bureau, and with the details of last year's work out of the way, the completion of this organization is the next problem.

PUBLICITY

In most respects the publicity work has been similar to that of previous years. More personal and circular letters than usual

have been sent out. Advertising, as stated previously, has been limited, owing to shortage of funds, to about one-third of what is usually carried. A canvass of the students from time to time shows that the advertisements in the *American Agriculturist* and *Rural New Yorker* are the source of more students than any other agency.

Four thousand copies of the school catalogue have been printed and sent out to people inquiring for them. The School is sending to the various high schools, libraries, and reading rooms in central and eastern New York copies of *The Arcadian*, the school paper. This paper is attracting attention and will prove good advertising.

NEEDS OF THE SCHOOL

In the fourth annual report several items were included in the budget because they were needed to meet certain demands that are becoming more and more insistent. Most of these items, in line with the general policy toward all institutions, were not granted. I recommend, therefore, that the following items be included in the budget:

A class room and laboratory building

A poultry laboratory building

Painting, redecorating, and repairing roofs of Bicknell and Madison Halls, residence, shop, and farm buildings, and for providing proper fire exits in school buildings

Completion of the grading of roads and campus improvements. All these items have been requested from previous legislatures.

Last year an item for a dormitory was included in the budget, but at an indefinite amount. After considerable discussion in various directions, it would seem best to omit this request because it seems to be a policy that the villages in which state-supported educational institutions are located should house and care for the students. Hence, while dormitories and boarding houses where the cost of living may be minimized represent a great necessity in the welfare and progress of the institution, it would appear that this question is one which must be settled by private capital and initiative.

RECOMMENDATIONS

I recommend for your consideration and approval the following matters:

1. The adoption of the budget for presentation to the State Comptroller and Legislature by November 1, 1915, as required by the Finance Law. This includes one increase in salary, that of Miss I. C. Ogden from \$720 to \$840 per annum.

2. The appointment of Mr. Chauncey E. Hart of the class of 1914 to the position of assistant in dairying, which position was approved by your Board at the last annual meeting, at a salary not to exceed seventy-five dollars per month.

3. The appointment of the Madison County farm bureau agent to the extension staff of the School, at a yearly salary not to exceed two hundred and fifty dollars, office room, stenographic help, and the assistance of the school's teachers to be at his service, provided that a farm bureau association be formed in Madison County, and that such association is willing to enter into a cooperative agreement with this institution with reference to the use of the privileges just mentioned and to the service of the farm bureau agent in the extension work of the school in this and adjoining counties, in cooperation with the farm bureau agents of those counties.

4. The authorization of the Director to enter into reciprocal relations with the Board of Trustees of the local high school, whereby that school shall teach such subjects as may be necessary for students from this School to pursue in order to attain sufficient credits for college entrance, this School to give to the students of the high school such work as may be needed to complete credits in the vocational subjects as are a part of the curriculum of this institution.

5. That the Director purchase, with the approval of the Executive Committee, such equipment as may be necessary for the forestry work.

6. A cooperative agreement with a State college of forestry to secure expert help and advice in planning and executing the forestry work on the Newton tract.

CONCLUSION

The year has been a profitable one and gives confidence that the work is worth while. Close cooperation by the staff, not only in school affairs, but in economy of administration, has made the work pleasant. I wish to express at this time my appreciation of the work of the faculty and to the members of the Board of Trustees for their moral and material support.

Respectfully submitted,

FRANK G. HELYAR,

Director.

FINANCIAL REPORT

The year has been a financial success when compared with previous years and when it is remembered that the Legislature of 1914 cut down the maintenance appropriation over twenty-five per cent. Because of this cut it was necessary to reapportion the maintenance fund. The reapportioned funds are shown with the expenditures in the following table:

MAINTENANCE FUND

	BUDGET	SPENT	BALANCE	OVER-DRAWN
Real estate.....	\$100.00	\$80.65	\$19.35	.....
Real estate maintenance....	400.00	306.09	93.91	.....
Office equipment	100.00	29.58	70.42	.....
Office maintenance	1,000.00	807.89	192.11	.....
School equipment.....	700.00	393.52	306.48	.....
School maintenance.....	3,500.00	3,787.88	.....	287.88
Farm equipment.....	250.00	82.63	167.37	.....
Farm maintenance.....	2,950.00	3,650.09	.....	700.09
Publications	1,000.00	716.37	283.63	.....
Travel	1,000.00	986.85	13.15	.....
Official salaries.....	20,950.00	19,724.42	1,225.58	.....
Services	6,180.00	5,469.88	710.12	.....
Temporary services.....	500.00	499.96	.04	.....
	<hr/> \$38,630.00	<hr/> \$36,535.81		

COMPARISONS

Appropriation for Maintenance, Chapter 529, Laws 1914	\$38,630.00	
Disbursements, Oct. 1, 1914, to Sept. 30, 1915	36,535.81	
	<hr/>	
Cash balance		\$2,094.19
Deficiency on School and Farm Maintenance		478.33
		<hr/>
Balance of appropriation to lapse and revert to general funds of the State		\$1,616.86
Total disbursements October 1, 1913, to Sept. 30, 1914	\$37,490.56	
Total disbursements October 1, 1914, to Sept. 30, 1915	36,535.81	
	<hr/>	
Balance		954.75
Deficiency in School and Farm Maintenance		478.33
		<hr/>
Decrease in expenditure of present fiscal year (1914-1915) over last fiscal year (1913-1914)		\$476.42

FINANCIAL REPORT ON FARM

Labor		\$2,089.80
Feed, fertilizer, etc.		3,650.09
		<hr/>
		\$5,739.89
Credit institutional labor	565.18	
Farm produce sold	3,646.51	
Gain in inventory	650.00	
Deficit	878.20	
		<hr/>
		\$5,739.89

BUDGET

(For Presentation to Legislature of 1916.)

MAINTENANCE

Official Salaries

1. Director	\$2,700.00
2. Teacher of English	1,500.00
3. Teacher of Dairying	1,500.00
4. Teacher of Agronomy	1,500.00
5. Teacher of Horticulture	1,500.00
6. Teacher of Poultry Husbandry	1,500.00
7. Teacher of Domestic Science	1,200.00
8. Teacher of Science	900.00
9. Teacher of Domestic Art	1,000.00
10. Teacher of Shop Work	1,100.00
11. Extension service	1,200.00
12. Veterinarian	1,000.00
13. Secretary	1,200.00
14. Assistant in Laboratory	540.00
15. Teacher of Chemistry	1,100.00
16. Stenographer	840.00
17. Teacher of Vocal Music	340.00
18. Teacher of Piano	340.00
19. Assistant Teacher in Dairying	900.00
20. Farm Superintendent	1,080.00

Services

21. Janitor	660.00
22. Watchman	600.00
23. Gardener	780.00
24. Teamsters, not to exceed five.....	1,800.00
25. Laborers, not to exceed six.....	1,800.00
26. Temporary services	900.00

Traveling Expenses

27. Traveling expenses of trustees, director, and members of staff	1,000.00
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General Expenses

28. School office and farm equipment and maintenance, real estate and real estate maintenance and publications.....	12,000.00
Real estate.....	\$200.00
Real estate maintenance.....	450.00
Office equipment	100.00
Office Maintenance.....	1,150.00
School equipment.....	800.00
School maintenance.....	3,800.00
Farm equipment.....	100.00
Farm maintenance.....	3,900.00
Publications	1,500.00

Special Appropriations

Classroom and laboratory building, including site.....	100,000.00
Poultry laboratory building.....	10,000.00
Repairs, painting, grading, walks, etc.....	6,000.00

Supply Bill

Deficiency on school and farm maintenance.....	478.33
Total	<u>\$158,958.33</u>

FIRST ANNUAL REPORT OF THE STATE SCHOOL OF AGRICULTURE AND DOMESTIC SCIENCE AT DELHI

C. E. Ladd, Director

December 30, 1915

Hon. CHAS S. WILSON,

Commissioner of Agriculture,

Albany, N. Y.

Dear Sir: I have the honor to transmit herewith the report of the Director and the Board of Control of the State School of Agriculture and Domestic Science at Delhi for the year 1915.

Yours respectfully,

W. H. MAYNARD,

President, Board of Control.

FINANCIAL REPORT

MAINTENANCE FUND, CHAPTER 726, LAWS OF 1915

Amount of appropriation.....	\$10,000.00
Expenditures:	
Office equipment	\$327.50
Office maintenance	74.12
School equipment	194.51
Farm equipment	1,543.58
(Live stock and machinery.)	
Farm maintenance	967.17
(Feed, seed, labor, etc.)	
Publications, advertising, etc.....	93.93
Salaries and wages.....	745.05
Traveling expenses	176.82
Total	<hr/> \$4,148.38
Remainder in appropriation for fiscal year.....	\$5,851.62

PURCHASE OF LAND, CONSTRUCTION, ETC., CHAPTER 728, LAWS OF
1915

Amount of appropriation.....		\$50,000.00
Expenditures, or contracted for through State Architect's Office:		
Construction contract on new building.....	\$22,475.00	
Steam fitting contract.....	7,967.00	
Plumbing contract	3,275.00	
Electrical work contract.....	740.00	
Purchase of farm previous year.....	8,000.00	
Expenditure for traveling expenses of Board of Control	53.43	
	<hr/>	
Total expenditures		\$42,510.43
Remainder of appropriation for fiscal year.....		\$7,489.57

To the Honorable Board of Control of the State School of Agriculture and Domestic Science at Delhi:

In compliance with the provisions of Chapter 675 of the Laws of 1913, which is the organic Law founding the State School of Agriculture and Domestic Science at Delhi, I respectfully submit the following report of the general operations of the School for the fiscal year 1914-15:

As the teaching work of the institution had not been started at this time, the report for the year is not in any way typical of a year's expenses.

As shown by the financial report, the several contracts for the construction of dairy building were signed early in the year 1915. The building was in process of construction throughout the remainder of the fiscal year.

Temporary farm laborers were appointed and the farm was tilled.

In July, the present Director, C. E. Ladd, was appointed. On September 1, Mr. I. F. Hall was appointed as Dairyman and Mr. H. B. Alger as Chemist. Plans were made for opening the school and commencing the teaching work early in October. From July to October, the entire energies of the Director and staff were devoted to organization of the school course and of the farm work.

Respectfully submitted,

C. E. LADD,
Director.

REPORT OF THE SCHOHARIE STATE SCHOOL OF AGRICULTURE AT COBLESKILL

EXPENDITURES, OCTOBER 1, 1914, TO OCTOBER 1, 1915

Construction of building.....	\$33,843.13
Electric wiring	1,150.05
Farm implements	218.17
Horses, wagons, etc.....	156.26
Maintenance	1,098.99
Plumbing	2,465.00
Salaries and expenses of directors, etc.....	473.01
Seeds	303.98

BALANCE ON HAND IN THE FOLLOWING APPROPRIATIONS, JANUARY 12, 1916

Additional land	\$500.00
Construction of building.....	16,156.86
Electric wiring	849.95
Farm implements	570.45
Furniture	2,500.00
Heating system	1,788.95
Horses, wagons, etc.....	677.94
Maintenance	1,390.28
Plumbing	17.50
Salaries and expenses of directors, etc.....	4,007.84
Seeds	163.54

RECEIPTS

1915		
April	16	\$26.00
April	17	80.49
July	16	71.45
October	5	69.26
October	5	74.58

FINANCIAL REPORT OF THE COUNTY, TOWN AND
OTHER AGRICULTURAL FAIR SOCIETIES IN THE
STATE OF NEW YORK FOR THE YEAR 1914

FINANCIAL REPORT OF THE COUNTY, TOWN AND OTHER AGRICULTURAL FAIR SOCIETIES IN THE STATE OF NEW YORK FOR THE YEAR 1914

	ALBANY	ALLEGANY			BROOME		CATTARAUGUS		CAYUGA
	Albany County Agricultural Society and Exposition	Allegany County Agricultural Society	Cuba Fair and Racing Association	Wellsville Fair Association	Broome County Agricultural Society	Binghamton Industrial Exposition	Cattaraugus County Agricultural Society	Olean Agricultural and Industrial Association	Cayuga County Agricultural Corporation
RECEIPTS									
Balance on hand fiscal year 1913.....	\$49 25								
Gate receipts.....	2,793 30	\$1,378 30	\$1,474 15	\$2,457 70	\$16 46	\$300 59	\$201 82	\$255 67	\$59 76
Grand stand.....	276 00	183 75	536 65	668 50	2,187 75	12,918 11	5,620 48	3,870 90	1,405 25
Rent of grounds.....	26 00	10 00			592 50	1,682 50	452 20	706 50	370 25
Rent of privileges.....	1,159 85	356 50	650 00	568 56	50 00		112 00	55 50	
Entries for premiums.....	830 85	577 70	2,220 50	489 90	788 50	3,349 55	1,168 40	919 20	
Annual members.....	60 00	18 00			783 34	1,349 16	517 75	500 32	1,452 00
Life members.....	106 94	20 00					8 00		881 80
Entries for races (horse).....	700 00	165 00	285 00		587 00	960 00	360 00	1,263 00	140 00
Entries for races (bicycle or others).....		146 00							
Donations.....	10 00		50 00						92 00
Bonds issued, notes given, or other obligation.....		1,520 49	4,378 00	2,978 25	2,000 00	2,295 34	6,700 00	3,250 00	4,800 00
State.....	3,083 94	1,383 67	3,440 08	505 90	3,166 23	4,000 00	2,756 95	2,409 60	3,997 09
Miscellaneous.....					176 80	235 50	286 52	742 02	
Total.....	\$9,096 13	\$5,759 41	\$13,134 38	\$7,698 81	\$10,348 58	\$27,090 75	\$18,184 12	\$13,972 71	\$13,198 15
DISBURSEMENTS									
Balance due at close of fiscal year.....		\$18 00	\$0 92	\$142 45					
Payment of bonds, notes or other obligations.....		1,395 49	4,976 58		\$1,670 75	\$6,546 47	\$6,872 75	\$1,500 00	\$5,339 63
Purchase of land.....									
Permanent improvements.....		44 16	86 75	187 52	173 56		204 50		
Dividends.....									
Labor.....	\$633 40	67 15	151 50	506 89	151 33	1,416 12	567 52	377 34	459 15
Material.....	388 25	46 02	229 28			333 38	253 45	408 84	436 39

Printing and advertising	141 47	358 87	444 55	972 30	443 09	1,778 25	1,198 29	1,036 61	251 30
Attractions and music	923 08	395 00	983 18	1,247 39	1,089 70	3,115 00	1,831 95	1,623 20	220 00
Miscellaneous	871 23	212 89	523 83	2,096 06	454 26	1,340 48		1,970 39	10 00
Salaries:									
President	150 00	100 00	200 00			1,800 00	100 00	550 00	25 00
Secretary	75 00	35 00	5 00			1,200 00	75 00		73 00
Treasurer		25 00	47 92			200 00	176 00	213 00	64 48
Office assistants	50 00	88 00	64 60			216 25	135 00	168 95	53 65
Police	88 35	79 65	106 60			135 50	147 00	119 90	33 00
Judges	100 00	37 00	99 00			236 00	162 00	113 00	60 50
Superintendent	18 00	18 00	128 50			248 00	120 00	560 90	
Helpers, etc.	1,909 45	647 50	650 00			682 25	82 50	3,103 87	770 00
Race purses (horse)	3,335 20	2,021 00	4,428 95			1,942 00	2,125 99		5,284 75
Premiums						100 00			
						143 25			
						5,757 80	4,078 40	2,097 25	
Total	\$8,734 43	\$5,588 73,	\$13,129 16	\$8,184 86	\$10,133 39	\$27,090 75	\$17,995 35	\$13,843 25	\$13,086 05
Debit balance									
Credit balance	\$361 70	\$170 68	\$5 22	\$486 05	\$215 19		\$188 77	\$129 46	\$112 10
PREMIUM PAID									
Horses	\$176 00	\$272 00	\$386 00	\$541 00	\$500 00	\$592 00	\$276 00	\$205 00	\$993 00
Cattle	485 50	492 00	830 00	575 00	902 00	1,243 00	936 00	388 00	1,416 75
Sheep	510 00	331 00	585 00	149 00	508 00	576 50	322 00	203 00	89 00
Swine			298 00				357 25		75 00
Poultry	921 85	581 50	979 10	543 75	1,320 50	1,801 50	47 00	251 50	1,867 00
Implement and machines	217 00		2 50			20 00			15 00
Dairy products	14 25		73 25	4 00	14 75	17 75		19 00	8 00
Fruits	115 05	69 50	69 70	40 50	41 25	241 65	165 70	58 00	39 15
Flowers	56 75	28 00	43 25	30 40	24 00	107 20	53 10	87 50	93 50
Farm produce (grain)			19 25	47 50	1 50	15 00	68 00	43 50	3 25
Farm produce (vegetables)	192 75	48 00	40 75	81 25	100 25	151 30	600 05	59 25	34 25
Domestic (painting)	23 25	413 00	413 00	17 50	97 50	137 90	250 00	156 15	30 05
Domestic (needlework)	455 50	97 50	344 25	114 00	235 55	262 50	500 00	222 55	118 65
Domestic (culinary)	128 25	45 25	113 75	49 25	92 50	71 85	115 30	62 15	100 75
Other domestic		6 30	44 25	4 25		108 95			1 65
School work	61 55	26 50	186 90	121 05	9 50	45 20	220 00	31 65	65 90
Miscellaneous	75			220 00		363 50	159 00	310 00	321 45
Total	\$3,335 20	\$2,021 00	\$4,428 95	\$2,541 45	\$3,902 30	\$5,757 80	\$4,069 40	\$2,097 25	\$5,242 35

FINANCIAL REPORT — Continued

	CHAUTAQUA	CHEMUNG	CHENANGO		CLINTON	COLUMBIA	CORTLAND
	Chautauqua County Agricultural Corporation	Chemung County Agricultural Society	Chenango County Agricultural Society	Afton Driving Park and Agricultural Society	Riverside Agricultural Society	Columbia County Agricultural Society	Cortland County Agricultural Society
RECEIPTS							
Balance on hand fiscal year 1913.....	\$1,178.38	\$20.70	\$89.41	\$1,577.39	\$1.92	\$209.17	\$7.60
Gate receipts.....	3,470.20	2,468.75	3,615.46	1,070.75	7,236.65	2,996.05	3,482.90
Grand stand.....	141.25	248.50	1,465.50	223.01	243.45	818.45	613.00
Rent of grounds.....	56.00		53.00	40.00		20.16	275.00
Rent of privileges.....	772.46	1,219.70	3,213.61	645.08	350.50	1,043.50	1,510.50
Entries for premiums.....	419.68	651.12	1,650.00	585.28	725.90	1,057.97	1,591.21
Annual members.....		130.00				426.00	
Life members.....				2.00		60.00	
Entries for races (horse).....	234.00	299.00	805.00	415.00		851.50	130.00
Entries for races (bicycle or others).....				4.65			
Donations.....		296.02		306.35			
Bonds issued, notes given, or other obligations.....		1,800.00	4,007.00	1,550.00	2,100.00	4,750.00	3,200.00
State.....	1,364.55	3,640.92	4,000.00	2,701.15	2,452.78	4,000.00	3,623.95
Miscellaneous.....	102.00		450.69		390.00	194.30	690.16
Total.....	\$7,739.42	\$10,774.72	\$19,349.67	\$8,049.94	\$7,335.30	\$16,427.10	\$15,124.32
DISBURSEMENTS							
Balance due at close of fiscal year.....				\$1,382.79			
Payment of bonds, notes or other obligations.....			\$4,969.00	666.13		\$5,500.00	\$1,600.00
Purchase of land.....				48.40	\$1,773.60		
Permanent improvements.....			260.00	234.26		629.67	587.44
Dividends.....				85.00			
Labor.....	\$245.62	1,164.51	998.37	339.30	45.00	148.44	265.80
Material.....	234.71	301.78	600.00	146.01	23.99	457.34	737.79
Printing and advertising.....	465.25	627.22	738.75	242.62	419.99	647.18	1,114.73
Attractions and music.....	909.56	541.35	793.00	603.00	707.05	243.85	1,224.82
Miscellaneous.....	931.30	889.09	913.04	108.15	480.62	858.53	971.99

FINANCIAL REPORT — *Continued*

	DELAWARE			DUTCHESS	ERIE	ESSEX	FRANKLIN	GENESSEE
	Delaware County Agricultural Society	Catskill Mountain Agricultural Society	Delaware Valley Agricultural Society	Dutchess County Agricultural Society	Erie County Agricultural Society	Essex County Agricultural Society	Franklin County Agricultural Society	Genesee County Agricultural Society
RECEIPTS								
Balance on hand fiscal year 1913	\$5 00	\$51 32		\$56 28	\$972 90	\$174 91		\$89 84
Gate receipts	1,467 80	1,561 75	\$3,505 60	8,229 10	7,303 75	1,093 61	\$9,179 87	11,917 15
Grand stand	159 15	82 60	178 20	788 75	570 75	266 45	2,748 55	2,510 60
Rent of grounds	35 00	5 00	84 95		33 00		250 00	126 00
Rent of privileges	327 05	176 00	755 55	2,705 97	2,528 98	591 75	2,922 18	2,362 00
Entries for premiums	382 51	323 05	305 99	1,095 75	746 22		363 28	939 79
Annual members		168 00	339 52		560 25			707 00
Life members								100 00
Entries for races (horse)	167 50	81 00	105 00	251 50	401 00	172 00	3,736 00	2,011 00
Entries for races (bicycle or others)					40 00			
Donations				170 72	2,000 00	40 00		
Bonds issued, notes given, or other obligations								
State	1,750 00	1,450 00	6,000 00	2,830 00	3,900 00		17,040 41	4,700 00
Miscellaneous	1,304 01	1,094 44	2,940 36	3,765 45	4,000 00	762 37	2,902 27	4,000 00
	1,057 89	484 30		401 40	69 80	122 88	1,117 33	1,225 12
Total	\$6,595 91	\$5,780 46	\$14,305 17	\$20,997 92	\$23,146 65	\$3,828 97	\$40,259 89	\$30,688 50
DISBURSEMENTS								
Balance due at close of fiscal year			\$8,300 00	\$2,243 05	\$5,108 85		\$1,129 22	
Payment of bonds, notes or other obligations	\$1,441 50	\$1,208 00	6,318 69				7,082 00	\$10,686 60
Purchase of land	30 00							
Permanent improvements	503 42	92 15			723 56		13,734 30	1,141 47
Dividends								
Labor	158 35	471 30	1,161 20	683 65		\$84 12		446 05
Material	176 77		300 00			66 00		243 13
Printing and advertising	421 34	343 82	378 50	2,315 99	888 75		1,018 03	1,379 07
Attractions and music	582 00	651 80	950 00	1,906 80	1,341 98	216 49	1,625 00	1,726 00
Miscellaneous	196 51	53 30		3,341 71	4,606 77	548 05	4,063 21	2,921 21

Salaries:											
President.....	50 00	75 00	50 00	600 00	150 00	75 00	100 00	500 00			
Secretary.....	50 00	40 00	30 00	200 00	100 00	100 00	324 00	150 00			
Treasurer.....	31 00	30 25	43 25	282 91	215 00	38 50	206 00	109 00			
Office Assistants.....	28 00	84 00	62 25	78 00	287 25	48 00	189 00	388 50			
Police.....	49 25	71 00	186 10	146 50	178 40	74 00	165 00	243 30			
Judges.....	63 00	75 00	125 00	310 00	530 00	76 50	142 45	261 30			
Superintendent.....	19 75	74 50	71 50	914 25	875 54	76 50	66 50	370 00			
Helpers, etc.....	974 30	695 00	439 00	2,550 00	1,968 00	907 49	7,100 00	4,200 00			
Race purses (horse).....				424 59		197 30					
Race purses (bicycle or others).....						930 90					
Premiums.....	1,794 00	1,641 86	4,139 68	4,965 00	5,441 83		2,838 75	5,762 00			
Total.....	\$6,326 23	\$5,783 75	\$22,405 17	\$21,269 85	\$22,424 93	\$3,640 74	\$40,176 46	\$30,527 66			
Debit balance.....											
Credit balance.....											
	\$69 65	\$3 29	\$8,100 00	\$271 93	\$721 72	\$188 23	\$83 43	\$160 84			
PREMIUMS PAID											
Horses.....	\$170 00	\$163 50	\$420 50	\$1,505 00	\$257 00	\$165 00	\$408 00	\$744 00			
Cattle.....	254 00	458 00	530 00	1,306 00	928 00	185 00	932 00	1,456 00			
Sheep.....	178 00	125 00	349 00	644 00	459 00	74 00	280 00	759 00			
Swine.....						47 00	78 00	349 00			
Poultry.....	494 50	458 50	656 43	447 00	1,126 50	45 75	263 50	722 45			
Implement and machines.....	20 00	25 75	23 45			9 75	24 25				
Dairy products.....			40 50	5 00	29 00	21 00	60 00	18 00			
Fruits.....	61 25	83 50	177 87	259 00	331 75	16 40	51 00	293 75			
Flowers.....	89 05	23 90	648 75	16 00	38 46	31 00	39 25	164 00			
Farm produce (grain).....	5 00	8 25	19 38	9 00	67 50	30 75	44 50	115 25			
Farm produce (vegetables).....	63 70	174 05	302 70	130 00	249 25	49 25	219 85	219 85			
Domestic (painting).....	113 62	2 50	400 55	28 50	212 48	153 35	223 50	353 35			
Domestic (needlework).....	160 63	65 10	403 15	157 00	407 65	45 65	351 75	377 00			
Domestic (culinary).....	30 25	24 70	132 25	33 50	86 38	3 00	97 55	97 55			
Other domestic.....					14 66			25 25			
School work.....		23 75			503 60			167 50			
Miscellaneous.....	4 00	2 75	35 15	335 00	730 60	73 50					
Total.....	\$1,644 00	\$1,639 25	\$4,139 68	\$4,965 00	\$5,441 83	\$950 90	\$2,838 75	\$5,762 00			

FINANCIAL REPORT — *Continued*

	GREENE	HERKIMER	JEFFERSON		LEWIS	LIVINGSTON	MADISON	
	Greene County Agricultural Society	Herkimer County Agricultural Society	Jefferson County Agricultural Society	Cape Vincent Society	Lewis County Agricultural Society	Hemlock Lake-Union Agricultural Society	Brookfield-Madison County Agricultural Society	Four County Fair Association
RECEIPTS								
Balance on hand fiscal year 1913.....	\$155 48	\$112 02	\$276 35	\$55 55	\$2,642 46	.....	\$30 21	\$412 73
Gate receipts.....	1,890 40	3,725 50	4,480 35	709 15	2,623 00	\$3,896 80	917 00	1,515 05
Grand stand.....	296 25	287 75	1,006 00	112 95	319 75	532 50	196 50	264 50
Rent of grounds.....	.....	.....	349 00	.....	.....	71 00	5 50	60 00
Rent of privileges.....	460 00	906 00	1,382 00	92 00	1,039 50	715 00	235 00	716 00
Entries for premiums.....	931 38	.....	700 30	774 23	.....	412 85	107 00	913 40
Annual members.....	.....	.....	.....	.....	2,861 00	.....	.....	.....
Life members.....	.....	.....	.....	.....	.....	.....	.....	.....
Entries for races (horse).....	480 00	152 50	1,863 00	65 00	45 00	303 00	93 75	280 00
Entries for races (bicycle or others).....	.....	5 28	.....	773 42	.....	.....	.....	.....
Donations.....	.....	.....	.....	.....	.....	.....	.....	.....
Bonds issued, notes given, or other obligations.....	.....	.....	.....	.....	.....	.....	.....	.....
State.....	3,600 00	1,700 00	4,450 00	5,344 00	.....	4,500 00	5,932 00	3,650 00
Miscellaneous.....	2,382 99	2,170 14	4,000 00	3,383 20	1,873 96	2,685 77	878 19	3,072 22
			658 22	140 50	757 82	.....	285 43	180 00
Total.....	\$10,196 50	\$9,063 19	\$19,165 22	\$11,450 00	\$12,162 49	\$13,116 92	\$8,680 58	\$11,063 90
DISBURSEMENTS								
Balance due at close of fiscal year.....	.....	.....	.....	.....	.....	\$128 63	.....	.....
Payment of bonds, notes or other obligations.....	\$3,348 00	\$2,077 65	\$4,959 49	\$1,831 62	\$3,347 25	\$5,200 00	\$5,576 96	\$3,948 09
Purchase of land.....	.....	.....	.....	.....	63 60	150 00	.....	.....
Permanent improvements.....	350 00	.....	.....	.....	.....	.....	.....	.....
Dividends.....	.....	.....	.....	.....	89 87	.....	.....	.....
Labor.....	205 00	693 82	400 25	.....	.....	461 50	236 75	252 56
Material.....	94 11	149 13	222 23	.....	.....	225 12	111 06	82 90
Printing and advertising.....	395 00	456 35	951 11	215 40	334 58	359 89	228 36	317 25
Attractions and music.....	270 00	295 00	860 00	122 00	2,032 96	854 75	430 00	506 25
Miscellaneous.....	.....	524 55	1,399 75	677 12	888 93	835 26	36 15	537 21

Salaries:									
President.....	150 00	75 00	371 72	75 00	100 00	50 00	65 00	75 00	
Secretary.....	50 00	50 00	157 47	75 00	100 00	80 00	30 00	30 00	
Treasurers.....	72 00	128 50	179 50	43 40	208 75	195 17	19 25	108 70	
Office assistants.....	38 00	208 00	256 00	82 10	142 20	175 50	11 48	53 50	
Police.....	105 00	47 00	171 33	90 93	89 51	199 15	37 00	67 50	
Judges.....	58 00	90 00	304 00	72 00	48 00	92 00	67 00	63 00	
Superintendent.....	245 00	148 00	174 00	300 00	595 21	1,092 75	458 25	884 60	
Helpers, etc.....	1,300 00	700 00	4,000 00	4,734 65	2,097 25	3,185 20	1,231 95	4,032 75	
Race purses (horse).....	3,404 50	3,004 25	4,734 65	4,744 00	10,138 11	13,284 92	8,371 46	\$10,989 31	
Race purses (bicycle or others).....									
Premiums.....									
Total.....	\$10,104 61	\$8,647 25	\$19,141 50	\$11,328 57	\$10,138 11	\$13,284 92	\$8,371 46	\$10,989 31	
Debit balance.....									
Credit balance.....	\$91 89	\$415 94	\$23 72	\$121 43	\$2,024 38	\$168 00	\$109 12	\$74 59	
PREMIUMS PAID									
Horses.....	\$239 00	\$390 00	\$458 00	\$174 00	\$300 00	\$481 00	\$306 00	\$301 50	
Cattle.....	573 00	597 00	888 00	1,031 00	386 00	451 00	230 00	923 00	
Sheep.....	149 00	260 00	366 50	945 00	29 00	730 00	84 00	502 50	
Swine.....	537 00	214 00	399 50	735 50	230 50	725 00	5 00	93 00	
Poultry.....	517 00	121 00	892 00	839 00	37 00	104 70	104 70	1,678 50	
Implement and machines.....		43 00							
Dairy products.....	6 00	65 00	55 00	39 50	35 00	5 25	6 00	4 00	
Fruits.....	101 25	77 75	144 00	121 25	24 50	114 25	12 25	22 25	
Flowers.....	132 75	22 50	291 25	13 50	93 25	51 50	32 40	78 90	
Farm produce (grain).....	32 75	10 75	14 00	19 00	20 00	52 25	5 40	5 00	
Farm produce (vegetables).....	41 25	70 00	141 00	137 00	41 50	107 75	52 80	78 50	
Domestic (painting).....	116 00	66 00	263 00	147 00	139 25	14 75	99 55	58 25	
Domestic (needlework).....	730 00	213 50	505 25	382 50	474 00	187 50	159 95	179 35	
Domestic (culinary).....	109 75	87 25	157 00	60 75	83 25	81 15	36 95	78 70	
Other domestic.....		24 75	55 50	32 00	20 50	40 75	15 25	15 25	
School work.....	10 00	166 75	47 65		27 00		61 40	5 00	
Miscellaneous.....									
Total.....	\$3,399 00	\$2,429 25	\$4,734 65	\$4,744 00	\$2,097 25	\$3,185 20	\$1,231 95	\$4,032 75	

FINANCIAL REPORT — *Continued*

	MONROE		MONTGOMERY	NEW YORK	NIAGARA	ONEIDA	
	Monroe County Agricultural Society	Rochester Industrial Exposition	Montgomery County Agricultural Society	American Institute of the City of New York	Niagara County Agricultural Society	Oneida County Agricultural Society	Vernon Agricultural Society
							Ponyville Fair Association
RECEIPTS							
Balance on hand fiscal year 1913	\$43 49	\$451 26	\$454 22	\$2,122 49	\$395 97	\$156 57	\$1 68
Gate receipts	4,448 21	29,675 32	3,837 95	.....	3,948 95	3,597 35	3,511 55
Grand stand	986 25	13,749 30	570 00	.....	555 50	678 60	201 55
Rent of grounds	76 50	6,113 25	156 00	14,900 00	175 00	550 00	253 20
Rent of privileges	1,264 12	6,091 90	684 85	.....	812 40	1,011 77	626 25
Entries for premiums	982 45	2,190 75	661 43	.....	760 07	1,397 96	708 92
Annual members	121 00	.....	159 00	.....	27 50	.....	.....
Life members	.....	.....	50 00	.....	251 00	40 00	.....
Entries for races (horse)	1,454 50	.....	530 00	295 00	594 00	540 00	.....
Entries for races (bicycle or others)	.....	.....	.....	.....	.....	.....	.....
Donations	.....	.....	183 80	.....	4 00	35 00	.....
Bonds issued, notes given, or other obligations	.....	.....	2,500 00	.....	325 00	5,600 00	.....
State	1,100 00	4,000 00	3,154 18	1,390 00	4,000 00	3,932 91	3,050 00
Miscellaneous	46 00	2,385 19	40 90	2,737 31	.....	1,162 52	2,214 30
Total	\$14,118 87	\$64,656 97	\$12,982 33	\$20,545 40	\$11,623 39	\$18,702 68	\$10,567 45
DISBURSEMENTS							
Balance due at close of fiscal year	.....	.....	.....	.....	.....	.....	.....
Payment of bonds, notes or other obligations	\$700 00	\$5,000 00	\$3,260 00	\$6,702 56	\$834 67	\$3,500 00	\$2,930 10
Purchase of land	.....	.....	.....	.....	.....	.....	.....
Permanent improvements	203 39	4,427 99	408 38	.....	228 97	974 37	124 25
Dividends	.....	.....	.....	.....	.....	.....	.....
Labor	541 83	5,035 56	376 19	.....	309 48	481 25	301 75
Material	196 41	1,286 39	582 26	.....	176 73	415 18	290 87
Printing and advertising	841 77	7,141 56	427 91	462 90	668 73	1,272 69	673 47
Attractions and music	1,331 70	16,066 01	600 75	36 00	1,004 50	344 60	1,313 95
Miscellaneous	959 47	6,627 82	45 00	4,864 98	599 48	2,030 00	236 48

Salaries:									
President	200 00	4,000 00	125 00				150 00	10 00	50 00
Treasurer	50 00		65 00						75 00
Office Assistants	40 00	2,268 81	137 20	3,533 32			100 00	48 00	106 80
Judges	141 00	1,057 70	36 00			327 14		39 00	113 62
Police	92 12	161 00	200 13	26 00		100 00		29 71	62 00
Superintendent			207 50			45 00	478 49		
Helpers, etc	185 25		73 50	96 00		135 69	340 30	24 00	
Race purses (horse)	3,051 50		1,827 00			2,266 00	1,380 00	966 00	585 00
Race purses (bicycle or others)						60 00		39 00	
Premiums	5,571 15	10,619 25	4,582 80	1,197 50		4,781 90	6,142 35	1,518 35	3,581 98
Total	\$14,105 39	\$64,095 12	\$13,014 62	\$16,919 26		\$11,538 31	\$18,556 31	\$4,282 00	\$10,554 92
Debit balance			\$32 29						
Credit balance	\$13 28	\$561 85		\$3,626 14		\$85 08	\$146 37	\$374 82	\$12 53
PREMIUMS PAID									
Horses	\$546 00	\$7,032 00	\$501 00			\$270 50	\$835 00	\$76 00	\$506 00
Cattle	875 00		261 00			667 05	855 00	125 75	454 75
Sheep	748 00		229 00			238 50	599 00	67 00	
Swine	217 00		465 00				150 00	13 75	
Poultry	1,673 00	1,346 25	1,206 25			751 50	1,007 00	517 50	741 60
Implement and machines			54 00			63 50		108 75	
Dairy products	7 50		20 00			23 00	45 90	10 50	82 93
Fruits	353 25	1,018 25	149 00	\$116 00		263 25	178 50	95 35	29 75
Flowers	137 25		36 00	1,014 00		89 50	32 00	21 10	108 00
Farm produce (grain)	15 75		51 50			31 25	34 00	21 65	1 00
Farm produce (vegetables)	87 75	491 00	304 50	67 50		125 50	64 20	58 25	58 25
Domestic (painting)	493 20		226 10			711 25	131 75	83 50	155 00
Domestic (needlework)	144 30		626 05			714 90	513 00	219 80	713 00
Domestic (culinary)	59 25		40 65			165 00	145 50	60 80	220 00
Other domestic	37 15	12 25	183 25			34 95		113 00	69 00
School work	154 50						101 00	29 70	
Miscellaneous		117 50							326 70
Total	\$5,568 90	\$10,005 00	\$4,582 80	\$1,197 50		\$4,781 90	\$6,142 35	\$1,518 35	\$3,581 98

FINANCIAL REPORT — Continued

	ONTARIO			ORANGE	ORLEANS	OSWEGO	OTSEGO
	Ontario County Agricultural Society	Gorham County Agricultural Society	Naples Union Agricultural Society	Orange County Agricultural Society	Orleans County Agricultural Society	Oswego County Agricultural Society	Otsego County Agricultural Society
RECEIPTS							
Balance on hand fiscal year 1913	\$207 81	\$630 40	\$1,705 15	\$675 35	\$41 50	\$144 90	\$292 01
Gate receipts	3,248 87		211 21	6,679 24	3,098 40	3,497 87	2,284 80
Grand stand	344 10			1,223 25	673 25	165 75	374 75
Rent of grounds	30 00	53 00	55 00	52 00	103 05	5 00	35 00
Rent of privileges	1,037 75	122 75	305 75	2,127 85	978 00	2,635 77	668 15
Entries for premiums	670 58	64 40	257 60	577 85	47 75	322 23	619 38
Annual members	298 00	166 00		318 00	1,043 00		296 00
Life members	36 97				100 00		
Entries for races (horse)	475 00	50 73		8,885 00	654 00	249 00	345 00
Entries for races (bicycle or others)	200 00						
Donations	10 00	154 50		98 00	14 00	50 00	400 00
Bonds issued, notes given, or other obligations							
State	2,300 00	1,400 00	3,164 56	5,200 00	3,000 00	10,000 00	3,500 00
Miscellaneous	3,548 78	956 37	118 00	3,662 28	2,529 94	2,197 69	2,308 55
Total	\$12,407 86	\$3,598 15	\$5,817 30	\$29,587 37	\$12,332 69	\$19,268 21	\$11,527 06
DISBURSEMENTS							
Balance due at close of fiscal year			\$2,450 48		\$2,595 32	\$4,000 00	\$2,308 55
Payment of bonds, notes or other obligations			82 89	\$3,220 84		6,000 00	\$1,051 44
Purchase of land			175 00				
Permanent improvements				4,088 48			
Dividends							
Labor	462 22	20 59	216 85	1,373 49	624 33	1,373 10	229 39
Material	670 98	148 93	298 39	1,031 50	207 16	154 19	179 01
Printing and advertising	448 79	175 00	273 71	1,057 74	350 95	297 66	385 86
Attractions and music	839 69		627 00	175 00	1,171 20	930 00	612 00

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FINANCIAL REPORT — *Continued*

	OTSEGO				QUEENS- NASSAU	RENSSELAER		ROCKLAND
	Morris Fair Association	Oneonta Union Agricultural Society	Richfield Springs Agricultural Society	Schenectus Valley Agricultural Society	The Agricultural Society of Queens- Nassau Counties	Rensselaer County Agricultural and Horticultural Society	Agricultural and Liberal Arts Society of Rensselaer County	Rockland County Agricultural and Horticultural Society
RECEIPTS								
Balance on hand fiscal year 1913.....	\$99 13	\$14,018 99	\$89 58	\$581 55	\$14,884 47	.....	\$40 42	\$132 20
Gate receipts.....	2,344 55	4,995 25	1,204 25	.....	17,337 50	\$1,918 10	2,116 50	3,115 50
Grand stand.....	368 10	1,199 00	105 25	.....	3,867 50	393 50	705 75	749 30
Rent of grounds.....	20 00	80 00	89 00	.....	.....	.....	.....	1,056 25
Rent of privileges.....	498 00	1,926 00	215 00	178 00	7,887 68	249 50	780 50	1,056 25
Entries for premiums.....	.....	1,423 15	.....	341 43	1,484 25	845 06	260 02	1,804 47
Annual members.....	.....	.....	113 00	83 00	670 00	100 00	.....	1,557 68
Life members.....	.....	.....	.....	.....	125 00	.....	.....	544 50
Entries for races (horse).....	87 50	725 00	.....	135 00	2,378 50	1,370 00	210 00	5,527 62
Entries for races (bicycle or others).....	.....	.....	.....	.....	.....	.....	.....	.....
Donations.....	291 50	.....	81 75	.....	134 00	.....	200 00	.....
Bonds issued, notes given, or other obligations.....	.....	.....	.....	.....	.....	.....	.....	.....
State.....	2,780 47	4,000 00	4,008 00	1,600 00	.....	17,300 00	1,600 00	8,170 00
Miscellaneous.....	96 69	380 00	1,527 75	1,387 83	4,000 00	3,446 55	2,086 10	3,695 45
Total.....	\$6,585 94	\$28,747 39	\$7,450 18	\$4,411 81	\$54,176 51	\$25,622 71	\$8,299 29	\$25,662 92
DISBURSEMENTS								
Balance due at close of fiscal year.....	.....	.....	.....	\$11 91	.....	\$518 77	.....	.....
Payment of bonds, notes or other obligations.....	.....	.....	\$3,781 64	1,382 97	.....	16,720 00	\$1,040 40	\$8,436 15
Purchase of land.....	.....	.....	.....	.....	.....	.....	.....	.....
Permanent improvements.....	.....	.....	.....	.....	.....	.....	.....	.....
Dividends.....	\$50 54	.....	.....	.....	\$9,331 88	.....	.....	405 00
Labor.....	189 49	\$521 48	47 20	.....	.....	.....	.....	.....
Material.....	12 72	371 26	160 56	65 15	.....	.....	192 80	927 45
Printing and advertising.....	325 65	703 92	233 21	35 05	.....	18 14	286 02	.....
Attractions and music.....	525 00	1,625 00	135 83	107 93	2,508 62	365 08	396 62	645 45
				171 30	1,160 00		165 00	450 00

Miscellaneous.....	487 01	706 41	400 00	173 87	9,818 01	296 87	1,017 43	3,246 41
Salaries:								
President.....	50 00	150 00	50 00	35 00	1,100 00		100 00	
Secretary.....	50 00	75 00		10 00	1,300 00		50 00	100 00
Treasurer.....	82 15	77 50	18 00	22 80		60 25	86 50	
Office Assistants.....	65 50	83 00	30 00	16 00	755 00	181 50	50 00	135 10
Police.....	116 13	68 50	13 67	51 50	647 49	143 92	124 70	
Judges.....	153 50	60 90		57 00	700 00	101 00	18 00	
Superintendent.....	107 50	37 75	16 92	18 75	4,207 88	115 70	59 00	
Helpers, etc.....	687 50	1,695 00	300 00	412 50	5,691 55	2,650 00	1,290 00	6,030 00
Race purses (horse).....								
Race purses (bicycle or others).....								
Premiums.....	3,647 55	5,021 56	1,969 90	1,690 15	5,819 25	4,295 35	2,983 45	4,863 10
Total.....	\$6,552 24	\$11,197 28	\$7,176 93	\$4,261 88	\$43,039 71	\$26,029 43	\$7,859 92	\$25,238 66
Debit balance.....								
Credit balance.....	\$33 70	\$17,550 11	\$273 25	\$149 93	\$11,136 80	\$406 72	\$439 37	\$424 26
PREMIUMS PAID								
Horses.....	\$387 00	\$384 00	\$308 00	\$100 50	\$953 50	\$270 00	\$279 00	\$1,308 00
Cattle.....	\$890 00	1,313 63	514 00	323 25	685 00	904 00	570 75	143 50
Sheep.....	330 00	402 63	103 00	91 25	25 00	717 00	425 00	44 00
Pigs.....						137 00		32 00
Swine.....						877 00	574 00	1,161 75
Poultry.....	339 65	476 91	76 35	543 50	1,224 50	200 00	125 00	2 25
Implement and machines.....	126 00		36 50		210 00	18 00	15 00	
Dairy products.....	73 00		27 00	19 25		11 75	92 50	417 50
Fruits.....	20 70	75 00	33 65	63 50	364 00	301 25	202 50	203 95
Flowers.....	68 45	204 01	33 65	29 05	369 00	39 00	4 50	29 50
Farm produce (grain).....	32 70	21 71	34 00	19 00	83 00	29 00	85 25	608 75
Farm produce (vegetables).....	84 40	200 00	68 00	46 25	398 75	99 00	131 15	227 55
Domestic (painting).....	76 25	443 96	71 10	97 85	506 00	121 00	267 45	404 50
Domestic (needlework).....	326 90	337 38	323 45	166 00	571 00	217 95	84 00	131 00
Domestic (culinary).....	111 80	93 42	70 00	98 70	109 00	122 25		11 10
Other domestic.....			4 55		24 00	1 00		77 45
School work.....	178 20		83 75	60 75	221 50			
Miscellaneous.....	602 50	162 41	147 55	31 30	75 00	125 00		
Total.....	\$3,647 55	\$5,011 46	\$1,935 90	\$1,690 15	\$5,819 25	\$4,291 35	\$2,978 45	\$4,863 10

FINANCIAL REPORT — Continued

ROCKLAND	ST. LAWRENCE				SARATOGA	SCHENECTADY	
Rockland County Industrial Association	St. Lawrence County Agricultural Society	Oswegatchie Agricultural Society	Gouverneur Agricultural and Mechanical Society	Raquette Valley and St. Regis Valley Agricultural Society	Saratoga County Agricultural Society	Cobleskill Agricultural Society	Schenectady County Agricultural Society
RECEIPTS							
Balance on hand fiscal year 1913.....	\$21 30	\$645 90	\$68 36	\$37 30	\$1,609 03	\$251 51	\$132 00
Gate receipts.....	2,879 35	6,206 85	3,710 50	2,826 85	3,381 65	5,611 25	1,327 25
Grand stand.....	118 00	1,321 00	729 55	698 90	961 80	1,630 50	172 50
Rent of grounds.....	77 00	.....	27 50	35 00	36 00	178 50	.....
Rent of privileges.....	101 48	1,781 78	1,037 47	656 50	1,418 36	1,782 50	273 00
Entries for premiums.....	536 07	1,408 54	633 45	447 25	379 00	781 26	558 58
Annual members.....	189 00	.....	.....	.....	704 00	409 00	930 00
Life members.....	.....	.....	.....	.....	.....	.....	.....
Entries for races (horse).....	465 25	939 50	412 00	395 00	757 00	1,135 00	45 00
Entries for races (bicycle or others).....	.....	.....	.....	.....	.....	.....	.....
Donations.....	.....	.....	.....	.....	.....	.....	.....
Bonds issued, notes given, or other obligations.....	.....	.....	18 25	.....	.....	.....	165 00
State.....	2,500 00	6,500 00	5,300 00	3,350 00	.....	.....	1,800 00
Miscellaneous.....	4,000 00	4,000 00	2,124 51	3,788 95	2,879 61	3,179 01	1,672 14
.....	613 29	1,364 88	306 82	1,244 45	305 98	75 00	237 50
Total.....	\$12,883 01	\$24,168 45	\$14,368 41	\$13,480 20	\$12,432 43	\$15,033 53	\$7,112 97
DISBURSEMENTS							
Balance due at close of fiscal year.....	.....	\$4,565 00	.....	.....	.....	.....	.....
Payment of bonds, notes or other obligations.....	\$5,311 97	.....	\$5,425 40	\$3,960 40	.....	\$2,612 50	\$2,511 87
Purchase of land.....	.....	.....	.....	.....	.....	200 00	.....
Permanent improvements.....	.....	570 16	.....	.....	\$1,271 96	663 16	.....
Dividends.....	34 90	.....	.....	.....	.....	.....	.....
Labor.....	1,021 41	215 00	1,331 04	347 00	260 34	366 95	178 45
Material.....	.....	.....	.....	308 36	134 16	613 29	190 72
Printing and advertising.....	566 65	1,474 94	588 03	565 50	302 45	334 34	210 43
Attractions and music.....	744 05	1,154 00	1,141 20	614 00	714 75	2,300 00	853 15

Miscellaneous.....		4,398 00		919 14	2,005 05	196 39	
Salaries:							
President.....	100 00		250 00	100 00	150 00	150 00	100 00
Secretary.....	100 00	100 00	75 00	100 00	100 00	50 00	50 00
Treasurer.....	40 00	237 55		162 75	126 00	110 00	
Office assistants.....	82 00	288 00	189 00	104 50	135 50	168 00	
Police.....	31 00	235 04	88 18	78 24	101 37	192 12	51 73
Judges.....	100 00	135 00	50 00	100 00	100 00	100 00	15 00
Superintendent.....	20 00	253 50	69 25	70 50	177 00	317 21	
Helpers, etc.....	1,800 25	3,146 00	1,806 25	1,655 00	2,610 00	2,425 00	870 00
Race purses (horse).....							
Race purses (bicycle or others).....							
Premiums.....	2,925 55	7,027 67	3,422 23	4,201 36	3,846 85	3,874 00	1,694 95
Total.....	\$11,292 13	\$12,854 73	\$14,235 58	\$13,286 75	\$11,900 43	\$14,072 96	\$6,726 30
Debit balance.....							
Credit balance.....	\$4,518 27	\$28 28	\$132 83	\$193 45	\$472 00	\$360 57	\$386 67
PREMIUMS PAID							
Horses.....	\$69 50	\$226 00	\$159 00	\$463 00	\$305 00	\$233 00	\$91 00
Cattle.....		1,142 00	813 00	924 00	1,009 00	769 00	160 00
Sheep.....	4 00	327 00	235 00	361 00	458 00	384 50	248 00
Swine.....	3 00	46 00	199 00	392 00			
Poultry.....	806 50	351 00	1,026 00	1,103 50		560 50	432 75
Implement and machines.....	10 00	79 00	72 70	48 00	1,006 25	35 50	
Dairy products.....	2 60	85 00	99 68	127 91	136 75	46 50	1 00
Fruits.....	386 50	14 00	6 25	27 00	108 50	135 00	91 80
Flowers.....	313 00	36 00	30 00	69 75	65 50	109 50	13 00
Farm produce (grain).....	27 00	8 50	75 00	6 00	62 25	76 75	7 00
Farm produce (vegetables).....	697 00	47 50	63 50	110 75	140 50	358 75	184 20
Domestic (painting).....	58 80	152 25	79 15	178 75	238 80	233 75	66 25
Domestic (needlework).....	223 95	206 75	209 55	262 60	167 55	576 00	275 00
Domestic (culinary).....	99 10	100 75	78 50	58 50	35 25	208 75	102 85
Other domestic.....	110 85	30 00	44 65		5 25	43 75	9 50
School work.....	11 90				36 50	102 75	7 75
Miscellaneous.....	101 85	55 75		47 20	57 00		
Total.....	\$2,925 55	\$2,902 50	\$3,416 73	\$4,179 96	\$3,843 35	\$3,874 00	\$1,093 10

FINANCIAL REPORT — Continued

	SCHUYLER	SENECA	STEBEN		SUFFOLK	SULLIVAN	TIOGA
	Schuyler County Agricultural Society	Seneca County Agricultural Society	Steuken County Agricultural Society	The Hornellsville Fair	Southern Steuben Agricultural Society	Suffolk County Agricultural Society	Tioga County Agricultural Society
RECEIPTS							
Balance on hand fiscal year 1913.....	\$2 64	\$29 83	\$49 97	\$1,254 59	\$496 25	\$802 58	\$158 22
Gate receipts.....	1,030 25	1,319 46	3,777 56	4,665 35	718 20	8,319 75	1,456 75
Grand stand.....	72 00	247 75	635 70	1,598 25	.....	321 75	361 25
Rent of grounds.....	242 00	100 00	55 00	.....	.....	78 75	.....
Rent of privileges.....	215 50	262 30	1,588 55	2,613 40	150 00	2,570 00	679 52
Entries for premiums.....	466 20	837 18	524 75	906 13	136 96	1,297 20	1,177 82
Annual members.....	186 00	540 00	144 00	3,266 00	.....	169 00	1,024 00
Life members.....	.....	172 32	.....	.....	.....	10 00	.....
Entries for races (horse).....	437 50	140 00	825 00	915 00	70 00	88 15	770 00
Entries for races (bicycle or others).....	.....	.....	.....	.....	.....	.....	.....
Donations.....	.....	34 50	.....	.....	180 00	.....	374 50
Bonds issued, notes given, or other obligations.....	2,700 00	3,800 00	2,150 00	.....	.....	1,528 00	5,200 00
State.....	1,233 31	2,779 78	3,009 31	3,384 30	.....	1,987 50	3,166 27
Miscellaneous.....	146 00	.....	537 94	430 87	37 50	280 40	.....
Total.....	\$6,731 40	\$10,263 12	\$13,297 78	\$19,033 79	\$1,608 91	\$6,360 84	\$14,368 33
DISBURSEMENTS							
Balance due at close of fiscal year.....	.....	.....	.....	.....	\$5 00	.....	.....
Payment of bonds, notes or other obligations	\$959 10	\$3,620 00	\$2,600 00	.....	.....	\$1,567 50	\$1,745 60
Purchase of land.....	.....	.....	.....	.....	.....	.....	.....
Permanent improvements.....	141 22	.....	529 07	444 73	.....	1,425 96	301 01
Dividends.....	.....	.....	.....	.....	.....	.....	.....
Labor.....	132 81	96 39	366 97	.....	189 42	372 20	151 43
Material.....	321 01	32 46	17 22	.....	132 38	451 93	.....
Printing and advertising.....	137 45	494 03	460 76	558 19	127 25	244 00	481 39
Attractions and music.....	235 00	343 00	804 45	.....	246 25	797 75	715 00
Miscellaneous.....	382 74	600 74	1,542 80	6,591 27	.....	500 00	994 87
						10 00	

Salaries:										
President.....	100 00	300 00	700 00	50 00	300 00	100 00				
Secretary.....	100 00	50 00	71 00			10 00				
Treasurer.....	50 00	214 00	278 00	7 26	379 80					
Office Assistants.....	47 00	107 00	141 50	18 00	71 50	6 00				70 00
Police.....	6 00	126 00	106 00	40 00		18 10				42 20
Judges.....	5 00	110 12	345 55	17 55	218 50	42 00				86 09
Superintendent.....	106 00	114 00	167 00	6 40	217 00					220 21
Helpers, etc.....	12 75	207 88	2,592 00	175 00		577 87				1,200 00
Race purses (horse).....	1,030 00	2,071 00	2,592 95							52 00
Race purses (bicycle or others).....	65 00		4,434 35	411 50	5,261 10	2,222 70				5,147 35
Premiums.....	2,837 30	3,126 05								
Total.....	\$6,618 38	\$10,052 44	\$16,912 51	\$1,426 01	\$17,432 39	\$6,198 30	\$14,207 15			
Debit balance.....										
Credit balance.....	\$113 02	\$210 68	\$2,091 25	\$182 90	\$599 65	\$162 51	\$161 18			
PREMIUM PAID										
Horses.....	\$158 50	\$409 00	\$307 00	\$63 50	\$550 00	\$373 00	\$413 00			
Cattle.....	597 00	222 50	1,126 00	79 00	478 00	434 00	875 00			
Sheep.....	377 00	451 00	702 00	10 00	28 00	66 00	726 00			
Swine.....	55 00	275 00	333 00		191 00	137 00	256 50			
Poultry.....	766 75	885 00	798 75	35 00	1,230 50	265 75	1,916 00			
Implements and machines.....		131 00			25 00	36 75	45 00			
Dairy products.....	6 00	8 50	25 25				18 30			
Fruits.....	95 75	120 25	140 00	37 50	387 40	58 35	36 50			
Flowers.....	92 75	47 75	81 00	13 25	218 50	76 00	43 55			
Farm produce (grain).....	35 25	24 00	46 00	4 00	94 00	25 00	11 20			
Farm produce (vegetables).....	76 20	161 25	131 50	20 75	721 10	73 45	33 60			
Domestic (painting).....	37 75	115 00	207 70	18 75	143 90	80 80	110 10			
Domestic (needlework).....	133 00	147 65	170 50	91 50	400 25	197 45	239 90			
Domestic (culinary).....	129 75	21 25	71 00	24 00	139 00	93 65	103 10			
Other domestic.....	2 75	30 75	222 75	8 25	234 50	128 00				
School work.....	113 75	133 90			65 00		169 50			
Miscellaneous.....	137 50	55 75	15 00	3 00	239 70	177 50	130 10			
Total.....	\$2,837 30	\$3,117 30	\$4,424 35	\$111 50	\$5,255 85	\$2,222 70	\$5,147 35			

FINANCIAL REPORT — Continued

	TIoga	TOMPKINS			ULSTER	WARREN	WASHINGTON	
	North Tioga Agricultural Society	Tompkins County Agricultural Society	Dryden Agricultural Society	Union Agricultural and Horticultural Society of U. C. & H.	Ulster County Agricultural Society	The Warren County Fair	Washington County Agricultural Society	Cambridge Valley Agricultural Society and Stock Breeders Association
RECEIPTS								
Balance on hand fiscal year 1913	\$83 04	\$169 60		\$78 51	\$51 99	\$2 33		
Gate receipts	1,090 50	1,261 65	\$1,567 75	2,191 75	3,424 05	2,457 10	\$4,272 92	\$3,989 30
Grand stand	366 50	607 00	289 20	442 50	397 79	400 35	788 00	1,859 40
Rent of grounds		99 00		25 00		30 00	81 00	
Rent of privileges	506 81	1,706 43	801 58	991 38	1,643 19	633 35	1,815 00	1,680 03
Entries for premiums	976 30	843 26	742 20	811 05	420 10	41 50	738 11	1,003 62
Annual members					173 00		34 00	
Life members		204 00		309 58		635 00		382 50
Entries for races (horse)	200 00			190 00	260 00		890 00	
Entries for races (bicycle or others)	733 10					9 00		
Donations								
Bonds issued, notes given, or other obligations	3,400 00	3,000 00	6,800 00	4,000 00	3,889 92	3,800 00	1,000 00	9,900 00
State	3,240 06	3,606 76	3,494 98	3,445 04	3,177 06	1,912 21	4,000 00	4,000 00
Miscellaneous		581 57	275 57			32 90	673 68	1,303 19
Total	\$10,596 31	\$15,079 27	\$13,971 28	\$12,484 81	\$9,937 10	\$9,953 74	\$14,292 71	\$24,118 04
DISBURSEMENTS								
Balance due at close of fiscal year	\$3,403 40	\$4,156 58	\$80 19	\$4,000 00	\$100 00	\$4,265 35	\$744 05	\$444 51
Payment of bonds, notes or other obligations			6,800 92				1,033 64	8,000 00
Purchase of land								
Permanent improvements	290 00	120 25		500 00	30 00		756 87	834 50
Dividends								
Labor	271 36	400 20	305 27	193 58	767 99	296 12	445 72	832 46
Material	251 88	237 22	262 15	428 34	428 34	87 63	436 21	
Printing and advertising	298 93	809 54	449 56	575 12	747 91	386 38	824 86	2,378 83
Attractions and music	666 00	805 00	776 07		765 00	598 00	807 00	2,100 60
Miscellaneous		551 50	209 24	1,759 25	979 02	384 51	1,520 06	1,263 36

Salaries:									
President	100 00			100 00	100 00	150 00	125 00	500 00	345 00
Secretary				100 00	100 00	100 00		150 00	150 00
Treasurer				79 00		100 00		181 00	202 00
Office assistants				87 10	88 26		25 00		
Police				82 90	87 50	50 00	88 50	151 00	141 00
Judges	74 33			121 80	103 44	103 44	66 00	172 40	241 46
Police				340 35		120 00	115 34	133 25	75 43
Superintendent				69 00			179 80	94 00	
Helpers, etc									
Race purses (horse)	760 00			1,460 83	867 20	887 50	1,400 00	2,745 00	1,930 00
Race purses (bicycle or others)									
Premiums	4,378 30			5,864 85	4,223 50	4,510 15	1,845 65	4,603 75	4,861 10
Total	\$10,494 20			\$14,943 12	\$12,394 41	\$9,839 35	\$9,911 28	\$15,298 81	\$23,803 25
Debit balance									
Credit balance	\$102 11			\$136 15	\$90 40	\$97 75	\$42 46	\$1,006 10	\$314 79
PREMIUMS PAID									
Horses	\$219 50			\$351 00	\$244 00	\$212 50	\$145 00	\$375 00	\$399 00
Cattle	897 50			908 00	358 00	475 50	263 50	714 00	1,320 50
Sheep	381 00			694 75	675 50	191 00	84 00	297 10	781 50
Swine	1,368 00			258 75	300 00				
Poultry	25 00			1,738 00	1,446 50	1,354 00	170 50	888 00	1,181 00
Implements and machines						150 50	63 00		
Dairy products	9 75			31 05		25 00			
Fruits	44 25			168 00	166 75	25 00		12 50	16 00
Flowers	10 60			65 75	29 00	167 80	65 75	223 50	224 00
Farm produce (grain)	10 75			18 50		123 50	79 50	185 75	76 30
Farm produce (vegetables)	59 85			208 15	51 50	192 25	42 25	61 00	
Domestic (painting)	71 00			73 25		90 55	300 15	209 25	221 50
Domestic (needlework)	143 00			172 15	506 00	309 50	396 00	308 25	148 50
Domestic (culinary)	94 13			76 00	30 25	54 45	103 00	391 75	273 95
Other domestic	50			15 00				141 50	51 85
School work	161 50			661 75		216 60	11 50	164 50	148 50
Miscellaneous	108 50			404 25	215 00	917 00	5 50	358 50	16 50
Total	\$3,794 83			\$5,842 35	\$4,222 50	\$4,510 15	\$1,845 65	\$4,603 75	\$4,862 10

	WAYNE		WESTCHESTER		WYOMING		YATES	
	Newark Fair Association	Palmyra Union Agricultural Society	Westchester County Agricultural and Horticultural Society, Inc.	White Plains Agricultural Fair and Westchester County Horse Show	Wyoming County Agricultural Society	Silver Lake Agricultural and Mechanical Association	Yates County Agricultural Society	Dundee Fair Association
RECEIPTS								
Balance on hand fiscal year 1913	\$586 51	\$1,207 66		\$121 65	\$319 30	\$23 35	\$20 20	\$737 67
Gate receipts	1,790 57	2,925 15	\$1,571 95	4,154 75	2,877 35	2,471 16	2,504 50	1,403 50
Grand stand	140 70	81 25	119 25	1,025 50	684 20	547 50	578 70	125 25
Rent of grounds	150 00	228 50			88 00	20 00	74 00	46 00
Rent of privileges	356 50	810 00	15 00	656 00	1,569 57	409 00	502 50	202 00
Entries for premiums	262 14	360 25	344 00	791 42	842 65	290 10	333 80	888 87
Annual members		140 00			747 00	325 50	320 00	88 00
Life members								
Entries for races (horse)	230 00	150 00		2,108 00	499 50	636 00	350 00	366 50
Entries for races (bicycle or others)						5 70	2 00	
Donations		50 00		3,500 00	8,489 32	1,500 00	2,850 00	3,000 00
Bonds issued, notes given, or other obligations	1,981 52	2,440 82		4,000 00	3,001 66	2,278 40	2,853 25	2,814 74
State		69 25			70 50	13 74	125 00	
Miscellaneous								
Total	\$5,497 94	\$8,462 88	\$2,050 20	\$10,357 32	\$19,270 75	\$8,520 45	\$10,013 95	\$9,672 53
DISBURSEMENTS								
Balance due at close of fiscal year				\$4,000 00	\$8,005 30	\$2,700 17	\$3,282 91	\$3 087 45
Payment of bonds, notes or other obligations								
Purchase of land							249 73	243 45
Permanent improvements	\$131 10	\$1,846 89	\$1,217 44			61 20		
Dividends								
Labor	302 15	222 09	500 00	150 00	680 12	213 01	297 19	165 34
Material	47 57	163 67	517 44		740 81			153 58
Printing and advertising	321 80	133 50	479 88	1,059 00	670 14	391 26	280 62	132 85
Attractions and music	64 00	74 00	475 00	625 00	1,358 00	475 00	731 00	182 85
Miscellaneous	127 77	464 98	497 70		2,254 60	427 31	917 50	20 48

Salaries:									
President.....	200 00	50 00	.....	500 00	100 00	150 00	25 00	100 00	.....
Secretary.....	75 00	75 00	.....	.....	100 00	50 00	25 00	100 00	.....
Treasurer.....	60 00	50 00	.....	.....	50 00	50 00	25 00	100 00	.....
Office Assistants.....	76 45	129 85	.....	180 00	70 00	10 00	78 15	44 25	.....
Police.....	.....	15 00	.....	190 00	131 25	33 50	14 40	55 50	.....
Judges.....	46 80	106 90	174 00	158 00	204 35	68 98	100 10	123 06	.....
Superintendent.....	24 00	140 25	.....	75 00	.....	40 00	56 00	42 75	.....
Helpers, etc.....	.....	37 00	.....	245 00	104 15	.....	.....	70 00	.....
Race purses (horse).....	1,000 00	646 25	250 00	3,290 00	1,548 00	1,800 00	1,080 00	944 54	.....
Race purses (bicycle or others).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Premiums.....	1,928 75	3,202 40	2,443 50	5,514 00	3,317 95	1,972 85	2,744 75	3,404 75	.....
Total.....	\$4,351 39	\$7,357 78	\$6,524 96	\$15,986 00	\$19,234 67	\$8,423 28	\$9,882 35	\$8,723 01	.....
Debit balance.....									
Credit balance.....									
Total.....	\$1,146 55	\$1,105 10	\$4,474 76	\$371 32	\$36 08	\$97 17	\$131 60	\$949 52	.....
PREMIUMS PAID									
Horses.....	\$182 00	\$320 00	\$783 00	\$4,145 00	\$416 00	\$510 00	\$225 00	\$208 00	.....
Cattle.....	221 00	427 00	256 00	107 00	498 00	287 00	108 00	187 00	.....
Sheep.....	268 00	347 00	101 00	.....	592 00	616 00	612 00	597 00	.....
Swine.....	.....	14 00	.....	.....	182 00	127 00	.....	.....	.....
Poultry.....	63 00	1,081 50	296 50	167 00	1,233 20	131 50	426 50	1,466 75	.....
Implement and machines.....	9 50	70 00	.....	25 00	.....	.....	.....	28 75	.....
Dairy products.....	1 50	2 50	5 75	7 50	7 50	.....	.....	5 50	.....
Fruits.....	140 95	97 75	240 25	185 75	51 80	11 50	171 75	88 00	.....
Flowers.....	28 25	27 75	79 00	116 25	66 00	12 50	92 75	54 50	.....
Farm produce (grain).....	17 50	27 50	43 75	1 00	16 50	17 75	35 50	19 75	.....
Farm produce (vegetables).....	66 50	114 25	445 25	261 50	38 70	18 50	111 25	54 25	.....
Domestic (painting).....	197 65	208 15	.....	192 00	17 65	207 50	214 25	376 75	.....
Domestic (needlework).....	375 85	206 75	.....	130 00	170 55	133 55	321 00	133 50	.....
Domestic (culinary).....	80 15	43 80	143 25	82 25	19 55	.....	230 25	16 50	.....
Other domestic.....	37 75	35 95	.....	13 50	6 00	4 55	172 00	.....	.....
School work.....	82 25	.....	.....	.....	.....	50 00	.....	14 25	.....
Miscellaneous.....	156 90	4 50	31 00	.....	.....	.....	.....	.....	.....
Total.....	\$1,928 75	\$3,114 40	\$2,438 75	\$5,493 75	\$3,315 45	\$1,972 85	\$2,744 75	\$3,464 75	.....

RECAPITULATION FROM REPORTS OF EIGHTY-EIGHT COUNTY AND TOWN AGRICULTURAL FAIR ASS'NS REPORTING TO DEPARTMENT OF AGRICULTURE FOR YEAR 1914

	Total Receipts	Total Disburse- ments	Average Receipts	Average Disburse- ments
Balance on hand close of fiscal year 1913.....	\$52,113 39		\$592 20	
Gate receipts.....	326,444 22		3,709 59	
Grand stand.....	67,462 97		766 62	
Rent of grounds.....	26,432 16		300 36	
Rent of privileges.....	102,338 30		1,162 93	
Entries for premiums.....	59,213 41		672 88	
Annual members.....	18,737 27		212 92	
Life members.....	1,502 81		17 08	
Entries for races (horse).....	56,765 50		645 06	
Entries for races (bicycle or others).....	1,028 65		11 69	
Donations.....	7,190 19		81 71	
Bonds issued, notes given or other obligations.....	269,200 59		3,059 10	
State.....	247,371 38		2,811 04	
Miscellaneous.....	28,907 18		328 49	
Balance due at close of fiscal year 1913.....		\$30,829 84		\$350 34
Payment of bonds, notes or other obligations.....		272,881 73		3,100 93
Purchase of land.....		853 40		9 70
Permanent improvements.....		53,041 17		602 74
Dividends.....		132 20		1 50
Labor.....		39,847 53		452 81
Material.....		20,143 45		228 90
Printing and advertising.....		59,961 55		681 38
Attractions and music.....		85,215 25		968 36
Miscellaneous.....		103,122 31		1,171 85
Salaries:				
President.....		2,350 00		26 70
Secretary.....		19,765 22		224 60
Treasurer.....		6,360 47		72 28
Office assistants.....		14,133 84		160 61
Police.....		11,002 33		125 03
Judges.....		10,454 82		118 80
Superintendent.....		9,956 32		113 14
Helpers.....		14,664 60		166 64
Race purses (horse).....		147,807 41		1,679 63
Race purses (bicycle or other), including cost of prizes.....		1,428 09		16 23
Premiums.....		328,685 59		3,735 06
Balances.....	22,253 02	51,323 92	252 88	617 32
Total.....	\$1,286,961 04	\$1,286,961 04	\$14,624 55	\$14,624 55

RECAPITULATION BY DEPARTMENTS OF MONEY PAID OUT IN PREMIUMS BY COUNTY AND TOWN AGRICULTURAL FAIR ASS'NS RECEIVING STATE AID; ALSO AMOUNT THE STATE REIMBURSED SOCIETIES FOR MONEY PAID OUT IN EACH DEPARTMENT

	Total Paid Out	Apportionment
Horses.....	\$47,964 65	\$36,874 76
Cattle.....	56,844 43	43,673 97
Sheep.....	29,923 28	22,989 63
Swine.....	8,054 25	6,191 27
Poultry.....	72,446 75	55,386 27
Implements and machines.....	2,690 25	1,987 78
Dairy products.....	2,027 14	1,552 83
Fruits.....	12,715 48	9,717 63
Flowers.....	10,117 31	7,771 88
Farm produce (grain).....	2,457 74	1,875 82
Farm produce (vegetables).....	13,500 15	10,345 82
Domestic (painting).....	13,097 06	10,020 58
Domestic (needlework).....	25,107 91	19,164 11
Domestic (culinary).....	7,861 69	6,006 77
Other domestic.....	1,909 51	1,447 47
School work.....	7,366 35	5,672 17
Miscellaneous.....	12,105 34	9,321 24
Total.....	*\$326,189 29	\$250,000 00

* Premiums reported paid by the Vernon Fair Society amounting to \$1,518.35 included in this amount but not considered in computing pro rata due other societies, as it was their report for the first year of the three years to qualify in sharing apportionment.

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