

CATALOGUE

OF THE

State Agricultural College

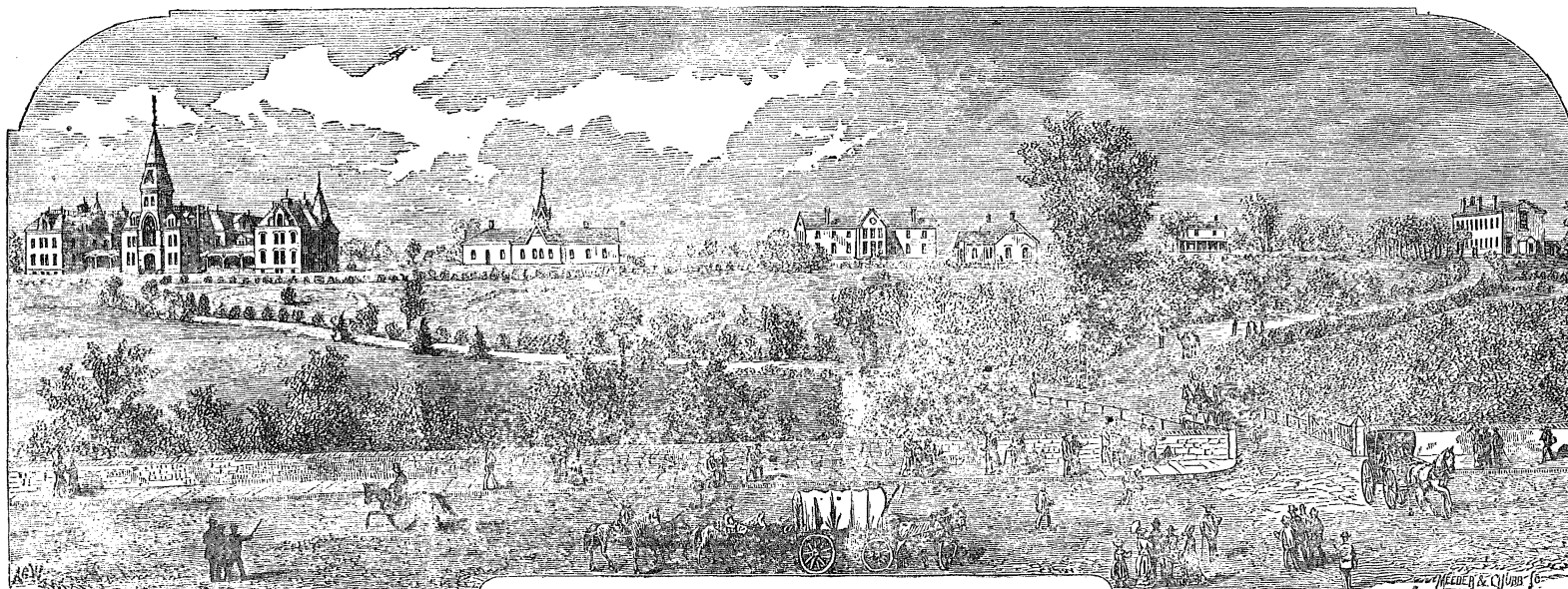
OF

KANSAS.

1877-80.

KANSAS STATE
UNIVERSITY LIBRARY

SPECIAL COLLECTIONS



(Eclectic Geography—Kansas Edition.)

(Van Antwerp, Bragg & Co., Cincinnati.)

1. College, north wing only completed. 2. Chemical Laboratory. 3. Mechanics' Hall. 4. Horticultural Hall. 5. President's House. 6. Societies' Hall.

KANSAS STATE AGRICULTURAL COLLEGE.

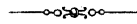
For Description of Buildings, see page 34.

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF THE
State Agricultural College
OF
KANSAS.

AUGUST, 1877, TO JUNE, 1880.

MANHATTAN, KANSAS:
PRINTING DEPARTMENT, AGRICULTURAL COLLEGE.
1880.

Board of Regents.



HON. STEPHEN M. WOOD, of Elmdale,
President of the Board.

HON. W. L. CHALLISS, of Atchison,
Vice-President.

HON. E. B. PURCELL, of Manhattan,
Treasurer.

HON. D. C. MCKAY, of Ames.

HON. A. L. REDDEN, of Eldorado.

HON. A. J. HOISINGTON, of Great Bend.

PRESIDENT GEO. T. FAIRCHILD (*ex officio*),
Secretary.



L. R. ELLIOTT, <i>Land Agent</i> ,	} Manhattan.
M. L. WARD, <i>Loan Commissioner</i> ,	

Faculty.



GEORGE T. FAIRCHILD, A. M., PRESIDENT,
Professor of Political Economy.

MILAN L. WARD, A. M.,
Professor of Mathematics and English.

EDWARD M. SHELTON, M. S.,
*Professor of Practical Agriculture, and Superintendent
of the Farm.*

GEORGE H. FAILYER, M. S.,
Professor of Chemistry and Physics.

EDWIN A. POPENOE, A. B.,
Professor of Botany and Horticulture.

JEREMIAH E. PLATT, A. M.,
Professor of Elementary English and Mathematics.

JOHN D. WALTERS,
Instructor in Industrial Drawing.

TIMOTHY T. HAWKES,
Superintendent of the Mechanical Department.

ALBERT A. STEWART,
Superintendent of the Printing Department.

IRA D. GRAHAM,
Superintendent of the Telegraph Department.

MRS. MARY E. CRIPPS,
*Superintendent of the Departments of Sewing and
Household Economy.*

WILLIAM L. HOFER,
Teacher of Instrumental Music.

Students.

RESIDENT GRADUATES.

1879-80.

Corvin J. Reed, Class of '79, . . . *St. Clere, Pottawatomie.
Clarence E. Wood, Class of '79, . . . Manhattan, Riley.

FOURTH YEAR.

1879-80.

Emma L. Adams Manhattan, Riley.
Augustine Beacham Irving, Marshall.
Lizzie R. Cox Manhattan, Riley.
Flora Donaldson Manhattan, Riley.
Emma Hoyt Manhattan, Riley.
Dora Kinsey Silver Lake, Shawnee.
Emma Knostman Manhattan, Riley.
Grace M. Parker Manhattan, Riley.
Henry Augustus Platt Manhattan, Riley.
Noble A. Richardson Guilford, Wilson.
Maria E. Sickels Schell City, Vernon, *Missouri*.

1878-79.

Arthur T. Blain Manhattan, Riley.
Ettie Campbell Manhattan, Riley.
Wilmer K. Eckman Osborne, Osborne.
C. M. Hulett Edgerton, Johnson.
James H. Lynch Manhattan, Riley.
Thomas R. Moore Smith Center, Smith.
Corvin J. Reed St. Clere, Pottawatomie.
Harry C. Rushmore Grantville, Jefferson.

*Post-office and county. State in Italics.

Lewis A. Salter Independence, Montgomery.
 William H. Sikes Vienna, Pottawatomie.
 Clarence E. Wood Manhattan, Riley.
 Ella M. Vincent Manhattan, Riley.

1877-78.

Albert N. Godfrey Madison, Greenwood.
 Charles S. McConnell Manhattan, Riley.
 George L. Platt Manhattan, Riley.
 Irving Todd Manhattan, Riley.
 Amos E. Wilson Solomon City, Dickinson.

 THIRD YEAR.

1879-80.

Sarah Ayres Silver Lake, Shawnee.
 Emma Campbell Manhattan, Riley.
 Charles C. Chenoweth Baxter Springs, Cherokee.
 Edward P. Coleman Shenandoah, Page, *Iowa*.
 Eva Couse Edgerton, Johnson.
 Edward V. Cripps Manhattan, Riley.
 *Orpheus Durkee Eureka, Greenwood.
 *William P. Favour Eureka, Greenwood.
 Emma Glossop Manhattan, Riley.
 William E. Gross Salina, Saline.
 Harvey F. Haines Manhattan, Riley.
 Fletcher M. Jeffery Manhattan, Riley.
 William J. Jeffery Manhattan, Riley.
 *Frederick Jewell Eldorado, Butler.
 Darwin S. Leach Beloit, Mitchell.
 Issie Lewis Manhattan, Riley.
 William J. Lightfoot Jewell City, Jewell.
 Dalinda Mason Delphos, Ottawa.
 William McBratney Centralia, Nemaha.
 Samuel E. McNair Manhattan, Riley.
 Minnie Milliken Olathe, Johnson.
 Wirt S. Myers Carlyle, Allen.
 Edwin C. Paine Ivy, Lyon.
 Mark A. Reeve Americus, Lyon.
 George E. Rose Stilson, Cherokee.
 William N. Rose Stilson, Cherokee.
 John Charles Rust Atchison, Atchison.

 *Expelled.

John A. Sloan Wakefield, Clay.
 Cora Snow Manhattan, Riley.
 Charles H. Stiles Pavilion, Wabaunsee.
 Grace R. Strong Manhattan, Riley.
 George F. Thompson Baltimore, Cowley.
 Rowena J. Whaley Manhattan, Riley.
 William E. Whaley Manhattan, Riley.
 Robert J. Wylie Tabor, Clay.

1878-79.

May Campbell Manhattan, Riley.
 Henry F. Coe Manhattan, Riley.
 Dora Edmiston Arthur, Moultrie, *Illinois*.
 John N. Morrow Olathe, Johnson.
 Cora Ulrich Manhattan, Riley.

1877-78.

Estelle Bouton Madison, Greenwood.
 Ellen Fletcher Manhattan, Riley.
 Henry J. Harvey Wichita, Sedgwick.
 Giles P. Howard Manhattan, Riley.
 Emma L. Parish Manhattan, Riley.

 SECOND YEAR.

1879-80.

Frank L. Abbey Abilene, Dickinson.
 Chester J. Allen Beloit, Mitchell.
 Viola I. Bacheller Lanark, Rush.
 Alice M. Browning Manhattan, Riley.
 Bartholomew Buchli Newbury, Wabaunsee.
 Charles M. Call Silver Lake, Shawnee.
 Henry L. Call Silver Lake, Shawnee.
 Lewis Call Silver Lake, Shawnee.
 James H. V. Calvin Manhattan, Riley.
 Ezra S. Clarke Manhattan, Riley.
 Mary Clarke Manhattan, Riley.
 Albert Copley Perryville, Jefferson.
 John T. Copley Perryville, Jefferson.
 William J. Cowell Wakefield, Clay.
 Ida Cranford Brookville, Saline.
 George Donaldson Manhattan, Riley.
 George H. Dow Manhattan, Riley.
 Agnes M. Fairchild Manhattan, Riley.

William Ward Fisk	Rock, Cowley.
John E. Gish	Abilene, Dickinson.
Joseph T. Gist	Manhattan, Riley.
William J. Griffing	Manhattan, Riley.
J. W. Hamilton	Florence, Marion.
John D. Hartman	Abilene, Dickinson.
Loren E. Hobbs	Essex, Essex, <i>Massachusetts</i> .
Harry H. Hopkins	Manhattan, Riley.
Mina J. Hosmer	Manhattan, Riley.
Hortense L. Houston	Manhattan, Riley.
George H. Hungerford	Manhattan, Riley.
Henry L. Hunt	Columbus, Cherokee.
William W. Hulett	Edgerton, Johnson.
Frank H. Hulse	Elk Falls, Elk.
George C. Keyes	Pavilion, Wabaunsee.
Warren Knaus	Buffalo, Wilson.
George D. Knipe	Manhattan, Riley.
Lizzie Larsh	Eaton, Preble, <i>Ohio</i> .
Clarence Limbocker	Manhattan, Riley.
Clyde Limbocker	Manhattan, Riley.
Frank W. Lyon	Ivy, Lyon.
Silas C. Mason	Delphos, Ottawa.
Katie I. McGuire	Manhattan, Riley.
Alice L. McNair	Manhattan, Riley.
Charles W. Neiman	Havensville, Pottawatomie.
Lincoln H. Neiswender	Silver Lake, Shawnee.
Manda Noland	Manhattan, Riley.
Allie Peckham	Manhattan, Riley.
Cora C. A. Pray	Manhattan, Riley.
Frederick H. Prescott	Great Bend, Barton.
W. Alfred Quayle	Auburn, Shawnee.
Alta Randel	Manhattan, Riley.
Charles F. Randel	Manhattan, Riley.
Henry A. Randel	Manhattan, Riley.
Bettie Richards	Moodyville, Pottawatomie.
Joseph N. Robinson	Auburn, Shawnee.
Belle Selby	Garnett, Anderson.
James Shaw	Randolph, Riley.
Burton L. Short	Crestline, Cherokee.
Cora Vaught	Eldorado, Butler.
J. T. Willard	Wabaunsee, Wabaunsee.
Albert O. Woods	Wellington, Sumner.
John M. Wylie	Tabor, Clay.

1878-79.

Ella M. Abbott	Manhattan, Riley.
Frank A. Abbott	Manhattan, Riley.
Mollie Anthony	Sherman City, Cherokee.
Edwin M. Barnes	Burlingame, Osage.
Louis C. Bowles	Olathe, Johnson.
Abbie C. Browning	Manhattan, Riley.
Emma L. Browning	Manhattan, Riley.
C. Stewart Buell	Manhattan, Riley.
Delight A. Buell	Manhattan, Riley.
Elisha Burr	Junction City, Davis.
Halleck D. Butts	Valley Falls, Jefferson.
Ella Coburn	Salina, Saline.
Jennie A. Coe	St. Louis, <i>Missouri</i> .
Horace M. Culter	El Paso, Sedgwick.
Albert F. Dickson	Edgerton, Johnson.
James B. Dickson	Edgerton, Johnson.
Albert M. Foreman	Randolph, Riley.
Edward Friend	Valley Falls, Jefferson.
Edgar L. Goin	Brooklyn, <i>New York</i> .
Frank B. Gregg	Burlington, Coffey.
Linda Hatch	Prairie Grove, Republic.
William J. Hillyer	Valley Falls, Jefferson.
George W. N. Howden	Peru, Chautauqua.
Sallie Hutsell	Brownsville, Cherokee.
Walter W. Jaquith	Milford, Davis.
Horace B. Jones	Wabaunsee, Wabaunsee.
Eddie L. Kingsbury	Burlington, Coffey.
Samuel O. Lewis	Ivy, Lyon.
Willis Light	Erie, Neosho.
William P. Luse	Marshall, Saline, <i>Missouri</i> .
Fred C. Lynch	Columbus, Cherokee.
Mattie E. Mails	Manhattan, Riley.
John Mann	Lyons, Rice.
John L. McNair	Manhattan, Riley.
James Merrill	Topeka, Shawnee.
Samuel M. Morgan	Americus, Lyon.
Ida L. Noyes	Wabaunsee, Wabaunsee.
William A. Pfoutz	Lancaster, Atchison.
Charles M. Records	Peru, Chautauqua.
William E. Rollings	Delphos, Ottawa.
Nannie Scott	Sherman City, Cherokee.
Cassius M. Shartell	Fulda, Chautauqua.
George L. Sigman	Peru, Chautauqua.
Bion B. Smith	Solomon City, Dickinson.
Charles A. Southwick	Riley Center, Riley.

Joseph C. Spicer Emporia, Lyon.
 Alice G. Spooner Wakefield, Clay.
 R. O. Thomen Junction City, Davis.
 George Throckmorton Burlington, Coffey.
 C. R. Welch Burton, Harvey.
 Frank H. Williston Manhattan, Riley.
 Elmer E. Wilson Columbus, Cherokee.
 Robert H. Wright Dodge City, Ford.
 T. J. Wyland Jewell City, Jewell.

1877-78.

Alice M. Allen Stilson, Cherokee.
 Hattie Allen Stilson, Cherokee.
 Bernhard Anderson Lindsburg, McPherson.
 Jasper G. Cowell Wakefield, Clay.
 George A. Cox Junction City, Davis.
 John Eckman Osborne City, Osborne.
 Watson D. Haines Manhattan, Riley.
 Pierce Hickey Marysville, Marshall.
 Gertrude Irish Manhattan, Riley.
 Helen Irish Manhattan, Riley.
 John Lewin Wakefield, Clay.
 Mollie J. Marcell Ottawa, Franklin.
 Seward N. Peck Junction City, Davis.
 Anna L. Phillips Manhattan, Riley.
 Charles E. Romberger Millersburg, *Pennsylvania*.
 Lizzie A. Russell Wichita, Sedgwick.
 Tully Scott Beloit, Mitchell.
 Clement O. Smith Emporia, Lyon.
 Albert H. Stiles Pavilion, Wabaunsee.
 George H. Storch Atchison, Atchison.
 Carrie M. Williston Manhattan, Riley.
 Nena M. Wilson Solomon City, Dickinson.
 John H. Winne Manhattan, Riley.

 FIRST YEAR.

1879-80.

Herman Aderhold Alma, Wabaunsee.
 Frank Aley Cedar Vale, Chautauqua.
 Jessie Allingham Manhattan, Riley.
 Ada Allis Virgil, Greenwood.
 Emmett Allis Virgil, Greenwood.
 John Anderson Eldorado, Butler.

Thomas Andrews	Rossville, Shawnee.
Alfred G. Bass	Topeka, Shawnee.
Robert F. Barnett	Afton, Sedgwick.
George W. Bauer	Eudora, Douglas.
Robert S. Baxter	Auburn, Shawnee.
Benjamin B. Bayles	Manhattan, Riley.
Rachel M. Bayles	Manhattan, Riley.
Horace G. Benedict	Blue Rapids, Marshall.
Samuel B. Berry	Bryant, Butler.
Florence Bistline	Rossville, Shawnee.
Hattie Blades	Junction City, Davis.
Erskin J. Blosser	Malta Bend, Saline, <i>Missouri</i> .
George W. Boles	Baxter Springs, Cherokee.
William Bolton	Newbury, Wabaunsee.
Allyn Boughton	Dover, Shawnee.
Lester T. Boutwell	Wakefield, Clay.
John J. Breakbill	Manhattan, Riley.
Benjamin Campbell	Manhattan, Riley.
Charles Cassteel	Louisburg, Miami.
John W. Chenoweth	Baxter Springs, Cherokee.
Robert W. Chestnut	Clay Center, Clay.
Albert Clardy	Wamego, Pottawatomie.
Charles N. Clark	Garnett, Anderson.
Rebecca Coburn	Salina, Saline.
Jennie E. Coburn	Salina, Saline.
George B. Conklin	Whiting, Jackson.
Ann Etta Coolidge	Delphos, Ottawa.
William A. Corey	Plowboy, Shawnee.
George W. Cotton	Rural, Jefferson.
Sarah Craig	Manhattan, Riley.
Fremont DeLaMater	Alma, Wabaunsee.
John A. DeTar	Edgerton, Johnson.
Robert H. Drummond	Woodhull, Chase.
Frank Dunn	Ozark, Anderson.
Allen B. Eells	Manhattan, Riley.
Selma Ehram	Clay Center, Clay.
Timothy Emert	St. Marys, Pottawatomie.
John P. Everett	Gardner, Johnson.
Edwin M. Fairchild	Manhattan, Riley.
Woods S. Ferguson	Spring Hill, Johnson.
Julia Y. Fisher	Whitesville, Andrew, <i>Missouri</i> .
Mary J. Fisher	Empire Prairie, Andrew, <i>Missouri</i> .
Matthew W. Flournoy	Madison, Colfax, <i>New Mexico</i> .
William H. Foss	Auburn, Shawnee.
George W. Fowler	Medina, Jefferson.
George B. Gallagher	Mildred, Morris.
Independence Day Gardiner	Wakarusa, Shawnee.

Lydia P. Gardiner	Wakarusa, Shawnee.
Lincoln F. Gault	Great Bend, Barton.
Julia George	Manhattan, Riley.
Glenn S. Green	Junction City, Davis.
Mary L. Griffing	Manhattan, Riley.
Simeon H. Harris	Monticello, Johnson.
Noah T. Harvey	Beaumont, Cherokee.
Abraham Helmick	Weir City, Cherokee.
Eli A. Helmick	Weir City, Cherokee.
Norman B. Heston	Ogden, Riley.
Hattie Himes	Manhattan, Riley.
Rudolph A. Hollenberg	Hanover, Washington.
George E. Hopper	Downs, Osborne.
Charles S. Hotchkiss	Greene, Chenango, <i>New York</i> .
Anna Hunt	Columbus, Cherokee.
Cora M. Hunting	Manhattan, Riley.
Alden F. Huse	Manhattan, Riley.
Corliss W. Huse	Manhattan, Riley.
Edmund F. Hynes	Marysville, Marshall.
Jennie Jamison	Delphos, Ottawa.
Augustus Jordan	Ogden, Riley.
James A. Keeney	Ogallah, Trego.
Edwin H. Kern	Ionia, Jewell.
Emma Kimble	Manhattan, Riley.
Lorena Kinsey	Silver Lake, Shawnee.
Ella Krysher	Carbondale, Jackson, <i>Illinois</i> .
Marshall N. LaMaster	Gardner, Johnson.
William Lawrence	Baxter Springs, Cherokee.
Joseph Garfield Lay	Grantville, Jefferson.
John Lender	Manhattan, Riley.
Gregg P. Lewis	Ivy, Lyon.
John W. Lewis	Manhattan, Riley.
*Orval Lockhart	Eureka, Greenwood.
Joseph B. Lohmuller	Centralia, Nemaha.
Charles Lowe	Newbury, Wabaunsee.
Jacob Lund	Bismarck, Wabaunsee.
Angie Mackey	Junction City, Davis.
Ella Mackey	Junction City, Davis.
J. F. Mahaffie	Olathe, Johnson.
M. H. Markcum	Winfield, Cowley.
Charles Marlatt	Manhattan, Riley.
Thomas F. Marshall	Gardner, Johnson.
Irving Marshall	Manhattan, Riley.
John C. Mauney	Auburn, Shawnee.
Clara McBratney	Centralia, Nemaha.
George G. McConnell	Menoken, Shawnee.
May McConnell	Menoken, Shawnee.

Nettie McConnell	Menoken, Shawnee.
William B. McCrear	Norton Center, Norton.
Charles McKerlie	Sturgis, St. Joseph, <i>Michigan</i> .
Orman A. McMullen	Beaumont, Cherokee.
Mattie McNair	Manhattan, Riley.
Charles Messenger	Baltimore, Cowley.
Eugene H. Miller	Rossville, Shawnee.
Hiram Miller	Valley Falls, Jefferson.
William E. Miller	Onaga, Pottawatomie.
Anna Moffitt	Cottonwood Falls, Chase.
Alyson R. Moore	Chapmanville, Clay.
Charles W. Moore	Beverly, Essex, <i>Massachusetts</i> .
William Moore	Auburn, Shawnee.
William A. Moses	Enterprise, Dickinson.
Harry Mullen	Auburn, Shawnee.
Norman Munz	Ogden, Riley.
Dana Needham	Lane, Franklin.
Henry Nelson	Bennington, Ottawa.
Mary O'Brian	Onaga, Pottawatomie.
Carrie O'Meara	Onaga, Pottawatomie.
*Carl Ott	Janesville, Greenwood.
Solon M. Paddleford	Stockdale, Riley.
Charles Pattison	Eldorado, Butler.
Ashman Patridge	Independence, Montgomery.
Frank Paul	Blue Rapids, Marshall.
George C. Peck	Junction City, Davis.
Hattie L. Peck	Junction City, Davis.
Roscius K. Peck	Junction City, Davis.
William O. Perkins	Ottawa, Franklin.
Oscar F. Pierce	Mound City, Linn.
Jennie S. Platt	Wabaunsee, Wabaunsee.
Emery Melzar Platt	Manhattan, Riley.
William G. Pomeroy	Burlingame, Osage.
Willis P. Popenoe	Topeka, Shawnee.
Benjamin Powers	Manhattan, Riley.
May V. Quinby	Wakefield, Clay.
Theodore B. Reynolds	Fort Riley, Davis.
Frank E. Richardson	Waukhara, Lyon.
Willis O. Schantz	Ontario, Jackson.
Grant Selby	Garnett, Anderson.
William L. Sexton	Wichita, Sedgwick.
John E. Shaffer	Clinton, Henry, <i>Missouri</i> .
Charles W. Sherman	Wilder, Johnson.
Rosa B. Shore	Camden, Morris.
Cyrus Shumway	Auburn, Shawnee.
Eugene Snodgrass	Augusta, Butler.
William C. Snodgrass	Augusta, Butler.

Jerome Stuart Manhattan, Riley.
 Samuel Thackrey Manhattan, Riley.
 Sarah Thackrey Manhattan, Riley.
 George K. Tyler Council Grove, Morris.
 Frederick E. Wahl Manhattan, Riley.
 Elbert A. Wall Wilmington, *Ohio*.
 Sarah E. Walden King City, McPherson.
 Milan T. Ward Orion, Henry, *Illinois*.
 Frank M. Walters Hiawatha, Brown.
 John C. Welch Phillipsburg, Phillips.
 William Wilson America City, Nemaha.
 John E. Wallace Junction City, Davis.
 Bertha E. Whitney Manhattan, Riley.
 Dudley Wingo Lawndale, Jackson.
 Clarence D. Wood Elmdale, Chase.
 William Woodburn Wetmore, Nemaha.
 *Francis F. Worley Eureka, Greenwood.
 William A. Young Idell, Crawford.
 Sumner J. Zerger Lazette, Cowley.

*Expelled.

1878-79.

Harmon Abbott Manhattan, Riley.
 Albert H. Allen America City, Nemaha.
 George R. Ashmead Ashmead, Ellsworth.
 Frank D. Axtell Westmoreland, Pottawatomie.
 Frederick W. Axtell Westmoreland, Pottawatomie.
 John J. Breakbill Manhattan, Riley.
 Hattie Clarke Manhattan, Riley.
 Alvin Donaldson Chelsea, Butler.
 Annette Durkee Eureka, Greenwood.
 Katie Emerick Millersburg, Doniphan, *Pennsylvania*.
 Logan Everhart Parsons, Labette.
 Henry E. Farnsworth Rocky Hill, Lincoln.
 John B. Flack Enterprise, Dickinson.
 John M. Gist Manhattan, Riley.
 George A. Gordon Holton, Jackson.
 Ernest Hicks Columbus, Cherokee.
 William G. Hicks Columbus, Cherokee.
 George Humphreys Oxford, Sumner.
 James H. Jacobs Cherokee, Crawford.
 John H. Kent Wabaunsee, Wabaunsee.
 Edgar Miller Junction City, Davis.
 Hattie L. Mills Foristel, St. Charles, *Missouri*.
 Cassius C. Nelson Hayes, Douglas.
 Ada A. Neusbaum Manhattan, Riley.
 H. L. Neusbaum Manhattan, Riley.

Amy E. Noyes Wabaunsee, Wabaunsee.
 James F. Outt Independence, Montgomery.
 DeWitt C. Pettitt Columbus, Cherokee.
 John R. Talbott Atchison, Atchison.
 William S. Tarrant Winfield, Cowley.
 C. A. Wahl Manhattan, Riley.
 W. H. Wahl Manhattan, Riley.
 Rosette Walters Milford, Davis.
 William Whiteside Cherokee, Crawford.
 J. E. Wilson Auburn, Shawnee.
 Ivaloo Winder Manhattan, Riley.
 J. W. Woodworth Monmouth, Crawford.

1877-78.

S. D. Aiken Richmond, Franklin.
 Kate Bean Concordia, Cloud.
 Flora Beckwith Ottawa, Franklin.
 James A. Bell Gardner, Johnson.
 Frank D. Brous Manhattan, Riley.
 William J. Brous Manhattan, Riley.
 Paul Challiss Atchison, Atchison.
 Emma L. Cook Wichita, Sedgwick.
 William W. Day Abilene, Dickinson.
 Julia Finney Wamego, Pottawatomie.
 Frederick Fleeker Manhattan, Riley.
 Steven A. Garr Independence, Montgomery.
 Laura M. Godfrey Madison, Greenwood.
 Georgie Goodwin Manhattan, Riley.
 Henry M. Hook Leavenworth, Leavenworth.
 H. M. Jones Wabaunsee, Wabaunsee.
 Bertha N. Lantz Allenville, Mifflin, *Pennsylvania*.
 C. F. Lundberg New Gottland, McPherson.
 James F. McClure Junction City, Davis.
 William H. Mitchell Great Bend, Barton.
 Edgar Patton Ashville, Mitchell.
 Jeremiah B. Patton Ashville, Mitchell.
 Crume Pegan Gatesburg, Barton.
 James Rairden Clifton, Clay.
 Carrie Reed St. Clere, Pottawatomie.
 Herbert L. Russell Manhattan, Riley.
 Louisa Spooner Wakefield, Clay.
 Matthew Spooner Wakefield, Clay.
 Frank Sternberg Fort Harker, Ellsworth.
 Charles A. Strong Wild Cat, Riley.
 George Theis Columbus, Cherokee.
 Ettie J. Thompson Irving, Marshall.
 H. W. Thorne Johnstown, Fulton, *New York*.

Charles W. Townsdin Concordia, Cloud.
 Mary Webb Irving, Marshall.
 Arthur Wills Phillipsburg, Phillips.
 Willard Whitney Manhattan, Riley.
 Walter S. Whitford Manhattan, Riley.
 George A. Wilson Roxallana, Roan, *West Virginia*.
 Etta Wylie Tabor, Clay.
 Oliver M. Wylie Tabor, Clay.
 William E. Younger McPherson, McPherson.

SELECT COURSE.

1879-80.

William A. Campbell Manhattan, Riley.

1878-79.

Charles W. Bates Morristown, Laurville, *Vermont*.

WHOLE NUMBER OF STUDENTS.

[The catalogue gives the names of all students present at any time during the past three years. Those recorded under the years 1877-8 and 1878-9 have not attended since.]

Number in catalogue :	1877-8.	1878-9.	1879-80.
Resident Graduates			2
Fourth Year	5	12	11
Third Year	5	5	35
Second Year	23	54	61
First Year	42	37	166
Select Course		1	1
Whole number enrolled in these years :			
Gentlemen	99	151	203
Ladies	51-150	56-207	73-276

Number of different students in three years 458
 Number of counties of Kansas represented 61
 Number of other States represented 11

Objects and Methods.

ENDOWMENT.

An act of Congress, approved July 2d, 1862, gave to each State public lands to the amount of 30,000 acres for each of its Senators and Representatives in Congress according to the census of 1860, for the "endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, * * *, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

Under this act, the State of Kansas received 82,313.53 acres of land; and in 1863 established the State Agricultural College, by endowing with these lands Bluemont College, which had been erected near Manhattan, under the auspices of the M. E. Church, but was presented to the State for the purposes named in the act of Congress. Of these lands, 57,473.59 acres are now sold, giving a fund of over \$290,000, which is by law invested in school-district bonds, the interest alone being used for current expenses of the College. There remain unsold 24,839.94 acres of land, lying in Riley, Dickinson, Washington, and Marshall counties.

In 1873 the College was reorganized upon a thoroughly industrial basis, with prominence given to practical agriculture and related sciences; and in 1875 the furniture and apparatus of the College were moved to buildings upon the farm of 155 acres, one mile nearer the city of Manhattan.

OBJECTS.

This College now proposes to carry out the objects of its endowment in several ways.

First, it teaches the sciences applied to the various industries of farm, shops and home. Chemistry, botany, entomology, zoology, and mechanics, are made prominent means of education to quick observation and accurate judgment. Careful study of the minerals, plants, and animals themselves, illustrates and fixes the daily lesson. At the same time, lessons in agriculture and horticulture show the true applications of science; and both are enforced by actual experience.

Second, it gives a substantial education to men and women, among farmers and artisans, and in business life. Such general information and discipline of mind and character as help to make intelligent and useful citizens, are offered in all its departments.

Third, it trains in the elements of the arts themselves, and imparts such skill as makes the hands ready instruments of thoughtful brains. The drill of the shops, gardens and farm, is made a part of a general education to usefulness, and insures a means of living to all who make good use of it. At the same time, it preserves habits of industry and manual exertion, and cultivates a taste for rural and domestic pursuits.

Fourth, it strives to increase our experimental knowledge of agriculture and horticulture. So far as means and circumstances permit, experiments are undertaken, with a view to more definite results than ordinary experience can give. At the same time, the students themselves are trained to a more accurate observation and judgment in such practical tests of principles in farming.

Fifth, it seeks to disseminate such practical truths as have stood the test of scientific inquiry. For this purpose it publishes the weekly *INDUSTRIALIST*; and its officers share in the debates and consultations of farmers and horticulturists throughout the State.

COURSES OF STUDY.

The necessity for so adjusting various branches of study that there shall be as little waste as possible in acquiring both information and discipline, is felt by every teacher. For this reason, almost all schools offering a real education present some well-defined arrangement for progress in studies, and call it a course. Such a course is not designed to be absolutely inflexible, but to guide the judgment into some definite line of progress from which no mere whim shall turn a student aside.

Parallel courses are offered to both sexes, with such differences as their necessities seem to call for. The following outline gives the general scope of the two; but fuller explanations are found elsewhere:—

FIRST YEAR.

FALL TERM.—Arithmetic.

English Structure.

Geometrical Drawing.

Industrial.

WINTER TERM.—Book-keeping.

English Analysis.

United States History.

Industrial.

SPRING TERM.—Algebra.
English Composition.
Botany, with Drawing.
Industrial.

SECOND YEAR.

FALL TERM.—Algebra completed.
Elementary Chemistry.
Horticulture.
Industrial.

WINTER TERM.—Geometry, with Drawing.
Practical Agriculture, or Household Economy.
Organic Chemistry and Mineralogy.
Industrial.

SPRING TERM.—Geometry completed.
Entomology and Anatomy.
Analytical Chemistry, or Household Chemistry and Economy.
Industrial.

THIRD YEAR.

FALL TERM.—Trigonometry and Surveying.
Physiology.
General History.
Industrial.

WINTER TERM.—Mechanics, with Drawing.
Agricultural Chemistry.
Rhetoric.
Industrial.

SPRING TERM.—Civil Engineering.
Chemical Physics.
English Literature.
Industrial.

FOURTH YEAR.

FALL TERM.—Agriculture, or Special Hygiene.
Meteorology.
Psychology.
Industrial.

WINTER TERM.—Logic, Deductive and Inductive.
Zoology.
United States Constitution.
Industrial.

SPRING TERM.—Geology.
Botany and Gardening.
Political Economy.
Industrial.

Closely adjusted to this course of study, is industrial training in several of the arts, to which each student is required to devote at least one hour a day. Among these lines of training, each student may select, with the approval of the Faculty. Young men may have Agriculture, Horticulture, Carpentry, Cabinet-making, Iron-work, Printing or Telegraphy. Young ladies may have Sewing, Printing, Telegraphy, Music, or Scroll-sawing.

The arrangement of studies in the course is necessarily modified for the next College year, and will be as follows:—

STUDIES FOR 1880-81.

FALL TERM.

First Year.—Arithmetic. English Structure. Geometrical Drawing.

Second Year.—Algebra completed. Elementary Chemistry. Horticulture.

Third Year.—Geometry. Elementary Chemistry. Botany.

Fourth Year.—Agriculture or Hygiene. Meteorology. Psychology.

WINTER TERM.

First Year.—Book-keeping. English Analysis. U. S. History.

Second Year.—Geometry, with Drawing. Practical Agriculture, or Household Economy. Organic Chemistry and Mineralogy.

Third Year.—Trigonometry and Surveying, or Household Economy. Organic Chemistry and Mineralogy. Horticulture.

Fourth Year.—Logic. U. S. Constitution. Zoology.

SPRING TERM.

First Year.—Algebra. English Composition. Botany, with Drawing.

Second Year.—Geometry completed. Entomology and Anatomy. Analytical Chemistry, or Household Chemistry and Economy.

Third Year.—Analytical Chemistry, or Household Economy and Chemistry. Mechanics, with Drawing. Agricultural Chemistry, or General History.

Fourth Year.—Geology. Political Economy. Agricultural Chemistry.

SELECT COURSES.—Persons of suitable age and advancement, who desire to pursue such branches of study as are most directly related to agriculture or other industries, may select such studies, under the advice of the Faculty.

POST-GRADUATE COURSES.—Arrangements can be made for advanced study in the several departments at any time. Special opportunities for investigation and research will be afforded to resident graduates.

DEGREES.

The degree of Bachelor of Science is conferred upon students who complete the full course of four years, and sustain all the examinations.

The degree of Master of Science is conferred upon graduates of three years' standing who give evidence of advancement in the application of science to the arts of practical life, and present an acceptable thesis upon some topic assigned by the Faculty.

DEPARTMENTS OF INSTRUCTION.

PRACTICAL AGRICULTURE.—*Second Year.*—History of agriculture, showing the successive steps by which the art has attained its present position. History and characteristics of breeds; their adaptation to the varying conditions of soil, climate and situation; the relation of stock-raising to general farming. Cultivation of hoed crops; management of corn and roots with reference to stock-feeding and the growth of the finer grains. The growth of the "tame grasses" in Kansas; the best sorts for the State, and their management, as shown by experience on the College Farm and elsewhere. Implements of simple tillage; mechanical principles involved in their construction. Application of labor. Draught; different adjustments, as affecting draught. Use of the dynamometer. Plows for soil and subsoil. Planning farm buildings, barns, piggeries and stables. Draining; soils that need draining; how to lay out a system of drains.

Fourth Year.—General principles governing the development of domestic animals. The laws of heredity of disease,—of normal, abnormal and acquired characters; atavism; correlation in the development of parts; in-and-in breeding and cross breeding; influences affecting fecundity; study of the forms of animals, as shown by the different breeds belonging to the College. The selection and arrangement of the farm with reference to the system to be pursued. Rotation of crops; general advantages of a rotation; the best rotation for the distribution of labor, production of manure, and extermination of weeds. Manures; how best housed and applied; composting; commercial fertilizers. Agricultural experiments; field and feeding experiments. Stock-feeding and meat production; stall-feeding; soiling.

Books of Reference.—Journals of the Royal Agricultural Society of England, Morton's Cyclopaedia, Low's Practical Agriculture and Domesticated Animals, Miles' Stock-breeding, Farmers' Calendar, Allen's American Farm Book, The Complete Grazier, Stephens' Book of the Farm, Thomas' Farm Implements, Waring's Draining for Profit and Health, and the reports of our own and other State boards of agriculture.

ANATOMY AND PHYSIOLOGY.—*Third Year.*—The study of Physiology is preceded by a course of lectures on anatomy. In this course, such consideration will be given to the form, structure and location of the different organs as is required for the proper comprehension of Physiology and Hygiene; and, in addition, the external form of domestic animals, particularly the ox and horse, will be studied by the class as a preparation for the study of Stock-breeding. The study of Physiology embraces a thorough consideration of the functions of the organs of the human body, and

the relations these sustain to the conditions of health and disease. Among the principal topics discussed, these may be mentioned: foods and digestion; assimilation; secretion and excretion; the circulation of the blood; the nervous system; the special senses; reproduction.

Books of Reference.—Dalton's Human Physiology, Carpenter's treatise on Human Physiology, Flint's Physiology of Man, Gray's Anatomy, Fleming's Veterinary Obstetrics.

BOTANY.—During the course, two terms are given to the study of Botany. In the spring term, first year, the student is familiarized with the basis and aims of the botanical classifications to a sufficient degree to enable him to appreciate differences and resemblances in the plant kingdom, and is made acquainted with the salient points in plant physiology. In the spring term, fourth year, the intimate structure of plants, a more detailed study of plant physiology,—in the germination of the seed, the growth of cellular substance, and the fertilization of the ovule,—variation, the improvement of varieties, parasitic fungi, are among the topics studied. A portion of this term is devoted to the principles of Landscape Gardening.

Although it is in a large degree the aim of this course in Botany to furnish a foundation for the study of applied Botany in agriculture and horticulture, the advantages of systematic observation and original investigation are kept in view, and the student anticipates the use of the textbook by the use of his eye and brain,—observing and comparing seeds, leaves, stems, flowers, and other portions of plants, keeping notes of his observations for presentation in the class. This plan is followed through the course, with each new topic. A good herbarium and series of charts are used as means of illustration.

Books of Reference.—Gray's Botanical Text-books, Don's History of Dichlamydeous Plants, Wood's Botanies, Darlington's Weeds and Useful Plants, Reports of the New York State Botanist, and various synopses in scientific serials.

HORTICULTURE.—It is the aim to teach this art from a botanical basis. The student applies his knowledge of the prime facts in botanical physiology to the various operations of the nursery, orchard and garden. The instruction is presented in a series of lectures upon the following topics, among others: The scope of Horticulture. General principles of propagation, by buds, by seeds. Production of improved varieties, by careful selection of seeds, by interfertilization of known kinds. Perpetuation of valuable sorts of fruits, by bud propagation; budding, grafting, layering, etc. The important points in nursery manipulation. The orchard; conditions of site, soil, exposure, elevation. Special treatment of the different kinds of fruit trees. Pruning; gathering and storing fruits. Small-fruit culture. Lists of varieties suitable for Kansas planting. Vegetable garden; selection and preservation of seed; planting and transplanting. The management and use of the hot-bed and cold-frame. Forest plantations. Wind-breaks. Hedges. Trees and shrubs for ornamental planting.

Books of Reference.—Don's Encyclopedia of Gardening, Downing's Fruits, Warder's American Pomology, Weidenmann's Beautifying Country Homes, Downing's Landscape Gardening, Thomas' Fruit Culturist, Fuller's Small-Fruit Culturist, Fuller's Grape Culturist, Henderson's Gardening for Profit, Henderson's Practical Floriculture, Barry's Fruit Garden, Horticultural Reports of Kansas and other States.

ENTOMOLOGY.—This science is studied with especial reference to its economic relations with agriculture and horticulture. A brief course in the principles of classification is followed by a more extended study of the life history of beneficial and injurious insects, and means of encouragement of one and the control of the other. Here, as in botany, the student is led to form a basis for the study by his own observations. The instruction is in the form of lectures. Illustrations are furnished from the individual collections of the students, from the entomological collections belonging to the Department, and detailed drawings and charts have been prepared, illustrating points of use in classification.

Books of Reference.—Packard's Guide to the Study of Insects, Harris' Insects Injurious to Vegetation, Riley's Reports, LeBaron's Reports, Reports of the U. S. Entomologist, Transactions of the American Entomological Society, and others.

ZOOLOGY.—The time devoted to this study is principally given to a view of comparative anatomy and physiology. The latter portion of the term is occupied by a brief study of the system of zoological classification in present use, accompanied and illustrated by dissections and the study of fresh, alcoholic and mounted specimens.

Books of Reference.—Agassiz' Seaside Studies, Cuvier, Baird's North American Birds, Wilson's Ornithology, Coues' Birds of the Colorado Valley, Coues' Key, Coues' Birds of the Northwest, and other works.

INORGANIC CHEMISTRY.—This course is opened with a careful study of chemical forces and the laws governing chemical combination. The elements, with their compounds, are next considered in succession as to their history, properties, manufacture, and especially their uses on the farm and in the arts. These lectures are accompanied by an extended course of laboratory practice, in which each student performs every experiment with his own hands. Text-book, Eliot & Storer.

ORGANIC CHEMISTRY.—This comprises a thorough study of the chemistry of the organic compounds, the composition of plants and of the various compounds derived from them. It is accompanied by laboratory practice.

CHEMICAL ANALYSIS.—In this course, each student has his stand in the Qualitative Laboratory, completely furnished with apparatus and chemicals for his own use. He here performs analyses of farm soils, plant ash, commercial manures, ores, minerals, waters, commercial compounds, etc. After completing this course, he enters, if he desires, the Quantitative Laboratory, where he pursues a full course in quantitative analysis. Text-book, Kedzie's Manual.

MINERALOGY.—This includes the study of crystallography, with the properties, forms and uses of the principal minerals of the United States. Blow-pipe analysis forms an important part of the course, each student being required to name and identify a large series of minerals. Text-book, Dana's Mineralogy.

GEOLOGY.—A term's study in the fourth year gives a view of the causes which have produced geologic changes in the past, of the general arrangement of the earth's crust, and of special peculiarities of various strata. Attention is given to the formation of soils and deposits of valuable minerals, especially in Kansas.

AGRICULTURAL CHEMISTRY.—This includes a thorough consideration of the application of chemical principles to the economy of the farm; the origin and formation of soils; the classification and composition of soils; the analysis of soils and their adaptation to purposes of production; the composition and use of manures; composting; chemistry of farm operations, such as plowing, fallowing, draining, etc. Text-book, Johnson's "How Crops Feed."

HOUSEHOLD CHEMISTRY.—A course of lectures on this subject is yearly delivered to a class of young ladies. The course embraces the chemistry of cooking; the composition of food; bread; tea, chocolate and coffee; butter and milk; ripening and preservation of fruits; etc.

PHYSICS.—This includes a full consideration of weights and measures, and specific gravity, followed by experimental study in the Physical Laboratory of the laws of heat, light, with spectrum analysis, electricity and magnetism, and the relation of these forces to plant and animal life.

METEOROLOGY.—Embracing the composition of the atmosphere; atmospheric pressure; temperature and humidity; laws of storms; rain, snow and atmospheric electricity. A full course in meteorological observations is taken, with careful study of instruments and methods. Text-book, Loomis' Meteorology.

ASSAYING AND PHARMACEUTICAL CHEMISTRY may be provided for by special arrangement, when students are qualified to pursue them.

ARITHMETIC.—One term is given to a general review of Arithmetic, the greater part of the time being spent on percentage and its applications. Accuracy and rapidity in computations are required. To those deficient in this respect, a thorough drill is given.

BOOK-KEEPING.—Beginning with a simple cash account, book-keeping is developed through all the principles of single and double entry. Each student provides a full set of blanks and keeps a regular set of books, in which accuracy of calculation and posting and neatness of execution are regarded as essential as correct understanding of the principles. No text-book is used, but all forms and problems are furnished in the class-room.

ALGEBRA.—Algebra is studied two terms. The first is wholly given to the literal notation. The student is thoroughly drilled in the funda-

mental rules, as applied to whole, fractional, and exponential quantities. The second term is devoted to the various forms of the equation and its applications. The equation in its various forms,—simple, quadratic, radical, etc.,—is studied, as an instrument for solving the problems of practical life, in which quantity is an item; for demonstrations of geometrical and trigonometrical theorems; and for the construction of formulas for the use of the engineer and the artisan.

Three things are aimed at in the course in Algebra: first, to train the pupil to methods of reasoning; second, to attain facility in methods of operation; third, to secure expertness in the use of algebraic formulas.

GEOMETRY.—Two terms are given to Geometry. In geometrical drawing, the student has already become familiar with geometrical forms and their construction. The first term is devoted to plane Geometry, in connection with technical drawing, involving the use of lines, angles and surfaces. During the second term, solid and spherical Geometry are studied. Practical problems, involving the principles demonstrated, are given to the class. Hand-books of engineering and of various arts are used for reference.

TRIGONOMETRY AND SURVEYING.—The principles of plane Trigonometry, involved in mensuration and surveying, are first mastered. Surveying includes theory, adjustment and use of instruments; history and methods of U. S. Government Surveys; areas of land; dividing land; retracing old lines; platting; topographical surveying; railroad surveying; leveling—section and cross section; computation of earth-work; field practice with transit, compass, chain, level and rod; drawing and ornamentation of plans and profiles.

MECHANICS AND ENGINEERING.—A careful consideration of the laws of motion and force, as exhibited in all kinds of machines, and in various phenomena of nature, occupies a single term. Another term is given to proper study of materials for buildings, their construction and durability; forms of roofs and bridges; and care and use of machinery.

DRAWING.—This study is taught four terms, two of which are in the first, one in the second, and one in the third year. Students that show special aptitude in this direction are permitted to pursue the study during the remainder of the course.

First Term.—Definitions of lines and geometrical figures; judging lines and angles; construction of perpendiculars to given lines, intersecting and bisecting lines, triangles, four-sided figures and polygons, the circle and its secant lines, ellipses, and various geometrical ornaments. Prof. Walter Smith's four books on geometrical drawing are used as text-books.

Second Term.—Free-hand drawing.—After the study of numbers 3, 4 and 5 of Prof. Walter Smith's Text-books of Art Education, drawing from nature is taken up. Leaves, flowers and fruits are taken as subjects, and placed in such positions that the perspective will not interfere seriously with a correct perception of form. Each student is required to finish a

set of drawings. Lectures on principles and history of ornamentation are given occasionally.

Third Term.—Projection of the straight line and the circle; use of drawing board, T square, and water colors; principles of shades and shadows; principles of parallel and angular perspective; principles of topographical drawing.

Fourth Term.—Projection of the conic sections and other regular curves; intersections of geometrical solids. Each student is required to draw and color a set of plans for a simple farm building, and another set of plans giving details of some farm machine.

Books of Reference.—Warren's Descriptive Geometry, Walter Smith's Manuals on Art Education, Woodward's National Architect, Guild's American Stair-Builder, Andre's Hand-book of Topographical Drawing, Davies' Shades and Shadows.

ENGLISH LANGUAGE AND LITERATURE.—*First Year.*—The study of English Grammar is made to serve directly in clear perception and correct expression. Such practice in analysis and parsing as may give pupils a clear idea of the English sentence in all its parts, is associated with daily exercises in expression and criticism. A careful study of words and their elements,—roots, stems, prefixes and suffixes,—associating them with their origin and history, continues the course in English. Compound terms in formation and use, distinctions in synonyms, and associated meanings of words, are studied with care. Sentences are also analyzed with reference to their meaning, varieties of expression for the same meaning, shades of thought, and propriety in expression. At the same time, the daily exercises are made a means of training in exact articulation, spelling, writing, and the essentials of good reading.

Principles and methods in English Composition are then taken up, with David J. Hill's Elements of Rhetoric for a text-book. Numerous exercises and revisions familiarize the students with the essentials of neat, legible, clear, and forcible manuscript.

Third Year.—A term's study of higher Rhetoric is occupied with the principles of clear explanation and convincing argument, as well as the outlines of sound criticism. This is followed by a term spent in the history of English language and literature, with abundant illustrations from the best authors. Students are lead in this way to appreciate the power of our mother-tongue, and at the same time to gain a slight acquaintance with the best thoughts of the world. Students are encouraged and directed in the use of the College library, and are under constant oversight in the expression of their thoughts in writing. Original declamations, carefully prepared, and delivered before the students and Faculty, make a part of the drill in the higher classes.

HISTORY AND POLITICAL ECONOMY.—The elements of United States History occupy a term's study in the first year; and special attention is given to the form and growth of the government under which we live.

In the fourth year, a careful study of the Constitution of the United States is made to show the general principles of government, its means and methods, illustrated by historical references. A single term is given to the study of general history in outline, with especial emphasis upon the world's progress in science, literature and art.

The study of Political Economy in a full term of the fourth year, gives a fair presentation of subjects connected with production, distribution and consumption of wealth. Pains is taken to compare conflicting views, and point out sources of information on all sides of vexed questions without bias or prejudice.

Books of Reference.—Bancroft's United States, Hume's, Macaulay's and Greene's England, Guizot's Civilization, and a good library in general history. In Political Economy, works of Adam Smith, Mill, Fawcett, Cairnes, Walker, Bowen, Carey, and Thompson.

LOGIC AND PHILOSOPHY.—The art of reasoning correctly is aided by a study of systematic logic, both deductive and inductive. Special prominence is given to methods for exact observation and experiment, and correct principles of classification. The previous researches and experiences of the student are made to illustrate these principles.

A short course in Psychology gives the general principles of intellectual and moral philosophy. Perception, understanding, reason, feelings and volition, are topics of explanation and analysis. Theories of right and wrong, and correct principles of action, are made the basis of a clear understanding of individual rights and duties.

Books of Reference.—Mill's, Jevon's and Fowler's Logic, Bascom's Psychology, Porter's Human Intellect, Fairchild's Moral Philosophy, Cousin's The True, the Beautiful and the Good, and works of Spencer, Hamilton and others.

SPECIAL HYGIENE.—To the ladies of the fourth year, a course of daily lectures is given by the lady superintendent of the sewing-room, upon the laws of life and health. The course continues through the entire term, and covers questions pertaining to personal health and the health of the household, such as food, air, exercise, clothing, temperature of rooms, etc.

HOUSEHOLD ECONOMY.—A series of lectures, accompanied by practical illustration in the kitchen laboratory, continues through a term and a half. These cover the general ground of economical provision for the household,—marketing, cooking, preserving, order, neatness and beauty in table service, comfort of family, and care of a sick-room. These are supplemented by the lectures upon Household Chemistry and Dairying.

INDUSTRIAL ARTS.—The training in these departments is designed to be systematic and complete in each, so that any student following a single line diligently through a four-years' course, gains the essentials of a trade and reasonable skill. Those who wish only a general acquaintance with these arts, can take shorter courses in several of them; but all are to select with definite purpose. In the regular course for farmers, agriculture and

horticulture both are required as industrials during definite periods connected with their study: certain terms of practice in the carpenter shop are also essential to readiness upon the farm. These will be adjusted to each other as improved facilities and larger classes require.

Young ladies are required to give the necessary time for practice in the kitchen laboratory, and are expected to show some facility in the practice of the sewing-room, though other industrials may occupy their course. Telegraphy and printing are open to ladies, without fees.

In agriculture and horticulture, the practice is made to illustrate and emphasize the teaching, and covers essentially the same ground. Training in the other arts is as follows:—

Carpentry, etc.—All are enrolled as carpenters, and take the same first lessons in sawing, planing and dressing lumber, making mortises, tenons and joints, and in general use and care of tools. Later, one who chooses a trade is provided with work directly in the line chosen, while the farmer's course provides for general training in a great variety of operations, rather for ingenuity than for skill. In the full course of a carpenter, special instructions are given in the whole range of work, from the framing to the stair-building. Students are allowed, after attaining sufficient skill, to work upon their own materials, under the advice of the superintendent.

Printing.—Two courses are pursued in this art. In one the student is given a general view of the rise and progress of printing, of type-founding, stereotyping, electrotyping, and lithography. He is taught the implements or tools employed in typography, and how to use them; composition; imposition; principles and practice in plain and ornamental job work; presses and their workings; technical terms; and general duties of a first-class workman. The second course, the lessons of which alternate with those in the first, embraces instruction in spelling, capitalization, punctuation, proof-reading and correcting; preparation of essays and criticisms on the same; and such other miscellaneous work as will make the student accurate and expert in language.

The *INDUSTRIALIST*, published weekly by this department, furnishes an admirable drill to all, but especially to those who take the full course. The printing for different departments of the College gives to the advanced student an excellent drill in plain and ornamental job work.

Books of Reference.—MacKellar's American Printer, Harpel's Typograph, Wilson's Punctuation, Rounds' Printers' Cabinet, Ringwalt's Encyclopedia of Printing, and all standard works on grammar and rhetoric.

Telegraphy.—The course of training involves for beginners the characters that compose the alphabet, and combinations of these characters into words and sentences,—attention being paid to spelling and to short and precise expression in messages,—abbreviations, signals, forms of messages, train orders, reports, etc. To the more advanced is given regular line business; as, press reports, messages, cypher messages, and orders in all forms used by prominent telegraph companies, together with the necessary

book-keeping, upon exact copies of the blanks in actual use. One day in each week is devoted to instruction in the use and management of lines, batteries, instruments, etc. The elementary principles of electricity, magnetism, and electro-magnetism, involved in telegraphy, are taught and illustrated by experiments. The more rapid modes of telegraphy, including duplex, quadruplex, and the telephone, are explained.

Books of Reference.—Prescott's Electric Telegraph, Morse's Examination of Telegraphic Apparatus, Culley's Telegraphy, Pope's Hand-book of the Telegraph.

Sewing.—Young ladies are taught in all ordinary forms of sewing with needle and machine, and in cutting, fitting and trimming dresses and other garments. They may furnish materials and work for their own advantage during the hour of practice, under the direction of the superintendent.

Instrumental Music.—Provision is made for the teaching of music upon instruments of all sorts. The College furnishes piano and organ for practice, but the teacher depends upon his pupils for his income. Lessons may be weekly or semi-weekly, and all practice at the College must be under the direction of the teacher. Weekly lessons are sixty cents each; semi-weekly, fifty cents each. Students in a class of two or more can receive instruction at reduced rates, as the number may warrant. Harmony and composition are taught if desired.

LABOR.

The course of study is framed with especial reference to the wants of laboring men and women; and every encouragement is given to habits of daily manual labor during the College course. Only the one hour of daily practice in the industrial departments is required, but students are encouraged to make use of other opportunities for adding to their ability and means. The labor needed by the College, in farm, garden, shops and offices, is for the most part performed by students, at average wages of eight cents an hour. The shops and offices are open in vacant hours for the accommodation of skilled students in work for their own advantage. Students are employed frequently upon the neighboring farms and in the city. Everywhere the student who works wins respect; and it is a matter of pride to earn one's way as far as possible.

All labor at the College is under the direction of the superintendents of departments, and offers opportunity for increasing skill and efficiency. In regular monthly settlements, the students are required to observe business forms and principles, showing from their daily account when and where the work was performed. A few students who have shown especial efficiency are employed during the summer vacation.

GENERAL DUTIES AND PRIVILEGES.

General good conduct, such as becomes men and women anywhere, is expected of all. Every student is encouraged in the formation of sound character by both precept and example, and expected "upon honor" to maintain a good repute. Failure to do so is met by prompt dismissal. No other rules and regulations are announced.

REGULAR EXERCISES.—*Classes* are in session every week-day except Saturday, and no student may be absent without excuse. A full and permanent record of attendance, scholarship and deportment, shows to each student his standing in the College. After each monthly examination, a report of advancement is made to parents; and any student, upon leaving College, may receive a certificate of standing.

Chapel exercises occupy fifteen minutes before the meeting of classes each morning, and unnecessary absence from them is noted in the grades.

Lectures, etc.—Twice in each month the whole body of students gather for a lecture from some member of the Faculty, or for the rhetorical exercises of the third and fourth year classes. On alternate weeks, all the classes meet at the same hour, in separate class-rooms, for exercises in elocution and correct expression.

Every Friday evening a students' prayer-meeting is held in the College Society-room, lead by a member of the Faculty. On the Sabbath, students are expected to attend services at least once in the different churches of the city.

Occasionally during each term, the College Building is opened for a social gathering of Faculty and students, in which music, literary exercises and friendly greeting find place.

VOCAL MUSIC.—Excellent instruction in vocal music, for beginners and for advanced students, is furnished at a very slight expense, under the direction of Prof. J. E. Platt, with whom all arrangements for entering these classes may be made. Each class has two lessons a week.

SOCIETIES.—There are two prosperous literary societies of nearly ten years' standing. Both have libraries, and meet weekly in their own room in Societies' Hall. The *Alpha Beta* is open to students of both sexes, and holds its meetings Friday afternoon. The *Webster* admits to membership gentlemen only, and meets on Saturday evening.

Members of the Faculty, with students of the third and fourth years, have a Scientific Club, which meets in the Chemical Laboratory on the first Friday evening of each month.

The Central Kansas Stock-breeders' Association and the Manhattan Horticultural Society have monthly meetings,—usually at the College,—which the students have the privilege of attending.

MEANS OF ILLUSTRATION.

TWO FARMS of 155 and 100 acres. Eighty-five acres in crops; thirty acres in tame grasses; sixty-five acres in prairie pasture and mowing land of native grasses. Samples of special crops and experimental plots.

A WELL-PLANNED BARN for grain, hay, horses and cattle; and a pig-gery of ten pens, with separate yards.

SHORT-HORN AND JERSEY CATTLE; Berkshire and Essex swine.

FARM IMPLEMENTS.

ORCHARDS, containing apples, peaches, pears, plums, cherries and apricots, of many varieties.

SMALL-FRUIT garden with varieties of blackberries, raspberries, gooseberries, currants and strawberries; and vineyard with fifteen varieties of grapes.

FOREST PLANTATION of five acres, containing twenty varieties of trees of from ten to fifteen years' growth.

ORNAMENTAL GROUNDS, set with a variety of evergreen and deciduous trees. Sample rows of ornamental and useful shrubs and herbs, labeled.

VEGETABLE GARDEN with hot-beds, cold-frame, and experimental beds. Practice rows for students' budding, grafting, cultivating, and pruning.

CHEMICAL LABORATORY, with six rooms, fitted with tables and apparatus for forty students; also, physical apparatus and meteorological instruments.

MATHEMATICAL INSTRUMENTS, models for drawing, and charts for illustration.

CABINETS OF MINERAL AND GEOLOGICAL SPECIMENS; and growing collections in botany, entomology and zoology, with some interesting illustrations of ethnology.

COLLECTIONS of grains, grasses, and forage plants, and of native and foreign woods.

CARPENTER SHOP, with separate benches and tools for twenty students in each class, besides lathe, mortising machine, scroll-saws and general chest of tools for fine work.

SHOP FOR IRON WORK, with forges, vices, drill, etc.

PRINTING OFFICE, with twenty-five pairs of cases, a good assortment of type, and a half-medium Gordon press.

TELEGRAPH OFFICE, with two and one-half miles of line, connecting branch offices, and twenty instruments.

SEWING ROOMS, with four machines.

KITCHEN LABORATORY, with range, cooking and table utensils.

MUSIC ROOMS, with pianos, organ, and other instruments.

LIBRARY AND READING ROOM, open daily, containing some 3,000 volumes and 150 periodicals.

ADMISSION.

Candidates for admission at the beginning of the year, in September, must be at least fourteen years of age, and able to pass a satisfactory examination in reading, spelling, writing, arithmetic to percentage, geography, and elements of English grammar. Those applying later in the term must show sufficient advancement to enter the classes already in progress. Every effort should be made to begin with the first day of the term, in order to advance with the classes from the first.

Applicants for advanced standing in the course must pass examination in all the previous studies of the class to be entered; but, if they have pursued such studies in other institutions of similar rank, they may receive credit for their standing in those institutions upon presenting a certificate from the proper officer.

The following questions in arithmetic may serve as a sample of the usual examinations for admission: —

1. Multiply 281,216 by 97.8.
2. Divide 4,024,156 by 890.3.
3. Add $\frac{3}{8}$, $\frac{4}{7}$, $\frac{1}{2}\frac{3}{4}$, and $\frac{7}{15}$.
4. From a barrel containing $36\frac{1}{8}$ gallons, $8\frac{1}{8}$ gallons were drawn: how many remain?
5. What will be the cost of $9\frac{3}{8}$ bushels of corn at $28\frac{3}{8}$ cents a bushel?
6. Divide $\frac{3}{8}$ by $\frac{5}{7}$.
7. Multiply 4 and 25 thousandths by 36 ten thousandths.
8. Divide 42.035 by 2.15 decimally to the third decimal place in quotient.
9. How many barrels, each holding 2 bushels and 3 pecks, will be needed to contain 880 bushels of apples?
10. How many cords in a pile of four-foot wood, five feet six inches high and twenty-three feet long?

EXPENSES.

Tuition is free, and no charges are made for incidental or "contingent" expenses.

Students in chemistry pay for chemicals used by them in their laboratory practice and analysis, at cost prices.

Young men who take printing or telegraphy for their industrial, pay one dollar a month for the use of office and instruments. Young ladies are furnished these free, these two offices with the sewing and the cooking departments being provided especially for their industrial education.

All other instruction furnished by assignment to classes is without expense to the student, beyond the necessary text-books. These can be procured at Manhattan, at a cost of from two to five dollars a term.

Lessons in instrumental music are from fifty to sixty cents each, or from five to twelve dollars a term, according to the number of lessons.

Vocal music is taught in classes, at an average expense of one dollar a term.

Board and washing are not furnished by the College. Board can be procured in private families at from \$2.75 to \$3.50 per week, and in some boarding houses for \$1.50 per week. Some students board themselves at even less cost; and rooms for that purpose can be obtained at a rent of from \$1.50 to \$2.50 a month. Washing costs from fifty cents to one dollar a dozen pieces.

Ordinary expenditures, aside from clothing and traveling expenses, range from \$60 to \$150 a year.

EARNINGS.

The labor of the students in the industrial departments is principally a part of their education, and is not paid for, unless the student is employed—outside of required hours of labor—upon work for the profit of the College. Some students are so employed upon the farm, in the gardens or the shops, and about the buildings. This labor, in limited quantities, is paid for at rates varying with service rendered, from seven to ten cents an hour. The superintendents strive to adjust their work to the necessities of students, and give them the preference in all tasks suitable for their employment. So far as practicable, the work of the shops and offices is turned to account for their benefit, and the increasing extent of the grounds and sample gardens brings more of such labor.

Many students obtain work in the city or upon neighboring farms, and so pay part of their expenses. Students employed in the shops are allowed to work somewhat for their own profit, in the manufacture of articles for sale or use. In these ways, a few students are able to earn their way through College. The amount so earned will vary with the taste and zeal of the student. The majority must expect to provide by earnings outside of term-time, or from other sources, for the larger part of their expenses. The long summer vacation of three months offers opportunity for farm or other remunerative labor; and no one need despair of gaining an education, if he has the ability to use his opportunities well.

COLLEGE BUILDINGS.

The old Bluemont College and Boarding Hall, situated one mile west of the College grounds, are now devoted to students' rooms. The other buildings, all of Manhattan limestone, answer the following description, the numbers referring to the plate facing the title-page:—

1. College, of which the north wing only is completed. This wing is two stories high, 52 by 108 feet in outside dimensions, and contains classrooms for Practical Agriculture, Drawing, Mathematics and English, the Library, the President's office, and waiting rooms.

2. Chemical Laboratory, one story high, 36 by 99 and 46 by 75 feet, in form of a cross. It contains eight rooms, occupied by the Chemical Department, the Kitchen Laboratory, and the Printing-office.

3. Mechanics' Hall, 39 by 103 feet, of two stories, occupied by the Carpenter shop and finishing room, Telegraph office, Sewing rooms, and Music rooms.

4. Horticultural Hall, 32 by 80 feet, one story and cellar, with cabinet-room, class-room, work-room and storage.

5. Dwelling of the President.

6. Societies' Hall, 46 by 96 feet, of two stories. It was originally designed for a barn, but is now used for the Chapel, the Society room, the dwelling of the Farm Superintendent, and rooms for the janitor and for a few students.

The Barn is of stone, 48 by 90 feet, with side-hill basement stables, granary, tool-room, etc.

The blacksmith shop, piggery, implement shed, and other out-buildings, are of wood.

CALENDAR.

1880-81.

September 9th, College Year begins. Examinations for admission at 8:30 A. M.

December 17th, Fall Term ends.

January 3d, Winter Term begins. Examinations for admission at 2 P. M.

March 25th, Winter Term ends.

March 28th, Spring Term begins.

June 5th to 8th, Annual Examinations and Anniversaries.

June 8th, 10 A. M., Commencement.

1881-2.

September 8th, College Year begins. Examinations for admission at 8:30 A. M.

Board of Regents.

1863 TO 1880.

1863	Hon. G. W. Collomere,	1863
1863	Hon. D. P. Lowe, Fort Scott,	1864
1863	Hon. A. Spaulding,	1864
1863	Hon. W. F. Woodworth,	1866
1863	Judge J. Pipher, Manhattan,	1868
1863	Judge L. D. Bailey, Lawrence,	1869
1863	Hon. S. D. Houston, Concordia,	1869
1863	Rev. J. G. Reaser,	1869
1863	Hon. T. H. Baker,	1870
1863	Rev. R. Cordley, Emporia,	1871
1863	Hon. Thomas Carney, Governor of State, <i>ex officio</i> ,	1865
1863	Hon. W. W. H. Lawrence, Secretary of State, <i>ex officio</i> ,	1865
1863	Hon. I. T. Goodnow, State Sup't Public Instruction, <i>ex officio</i> ,	1867
1863	Rev. J. Denison, President of the College, <i>ex officio</i> ,	1873
1865	Rev. E. Gale, Manhattan,	1871
1865	Rev. D. Earhart,	1871
1865	Hon. S. J. Crawford, Governor of State, <i>ex officio</i> ,	1868
1865	Hon. R. A. Barker, Secretary of State, <i>ex officio</i> ,	1869
1867	Rev. P. McVicar, State Sup't of Public Instruction, <i>ex officio</i> ,	1871
1868	Hon. E. C. Manning, Winfield,	1870
1868	Rev. Chas. Reynolds, Fort Riley,	1874
1868	Hon. N. Green, Governor of State, <i>ex officio</i> ,	1869
1869	Hon. B. J. F. Hanna, Salina,	1873
1869	Hon. John McClenahan, Ottawa,	1873
1869	Hon. O. J. Grover, Savannah,	1873
1869	Hon. J. M. Harvey, Governor of State, <i>ex officio</i> ,	1873
1869	Hon. Thomas Moonlight, Secretary of State, <i>ex officio</i> ,	1871
1870	Rev. R. D. Parker, Manhattan,	1873
1870	Hon. H. J. Strickler, Tecumseh,	1873
1870	Hon. Alfred Gray, Quindaro,	1873
1870	Hon. Geo. W. Higinbotham, Manhattan,	1873
1871	Rev. L. Sternberg, Fort Harker,	1873
1871	Hon. Joshua Wheeler, Pardee,	1873
1871	Hon. Thos. A. Osborn, Governor of State, <i>ex officio</i> ,	1873
1871	Hon. W. H. Smallwood, Secretary of State, <i>ex officio</i> ,	1873
1871	Hon. H. D. McCarty, State Sup't Public Instruction, <i>ex officio</i> ,	1873

1873	Hon. N. Green, Stockdale,	1874
1873	Hon. J. K. Hudson, Topeka,	1875
1873	Hon. Josiah Copley, Perryville,	1875
1873	Hon. James Rogers, Burlingame,	1876
1873	Hon. N. A. Adams, Manhattan,	1878
1873	Rev. Jno. A. Anderson, President of the College, <i>ex officio</i> , . .	1879
1874	Hon. Charles E. Bates, Marysville,	1874
1874	Hon. J. H. Folks, Wellington,	1877
1874	Hon. B. L. Kingsbury, Burlington,	1879
1875	Hon. M. J. Salter, Thayer,	1877
1875	Hon. J. Lawrence, Beloit,	1878
1876	Hon. A. H. Horton, Atchison,	1877
1877	Hon. J. R. Hallowell, Columbus,	1879
1877	Hon. T. C. Henry, Abilene,	1880
1877	Hon. Stephen M. Wood, Elmdale,	
1878	Hon. L. J. Best, Beloit,	1878
1878	Hon. W. L. Challiss, Atchison,	
1879	Hon. E. B. Purcell, Manhattan,	
1879	Hon. D. C. McKay, Ames,	
1879	Hon. A. L. Redden, Eldorado,	
1879	Rev. Geo. T. Fairchild, President of the College, <i>ex officio</i> , . .	
1880	Hon. A. J. Hoisington, Great Bend,	

SECRETARIES OF BOARD.

1863	Regent T. H. Baker,	1870
1870	Regent R. D. Parker,	1873
1873	Prof. E. Gale,	1873
1873	Wm. Burgoyne,	1874
1874	Regent N. A. Adams,	1878
1878	Pres. Jno. A. Anderson,	1879
1879	Regent T. C. Henry,	1879
1879	Pres. Geo. T. Fairchild,	

TREASURERS OF BOARD.

1863	J. Pipher,	1870
1870	E. B. Purcell,	

LAND AGENTS.

1866	I. T. Goodnow,	1873
1873	L. R. Elliott,	

LOAN COMMISSIONERS.

1870	E. Gale,	1878
1878	M. L. Ward,	

Faculty.

1863 TO 1880.

PRESIDENTS.

1863	Joseph Denison,	1873
1873	John A. Anderson,	1879
1879	Geo. T. Fairchild,	

SECRETARIES.

1864	J. E. Platt,	1871
1871	Lizzie J. Williams,	1873
1873	J. E. Platt,	

PROFESSORS.

PRACTICAL AGRICULTURE.

1866	J. W. Hougham (Agricultural and Commercial Science),	1872
1870	Fred E. Miller,	1874
1872	H. J. Detmers (Veterinary Science and Animal Husbandry),	1874
1874	Edward M. Shelton,	

BOTANY AND HORTICULTURE.

1870	E. Gale (Horticulture),	1876
1876	E. Gale,	1878
1878	H. E. VanDeman,	1879
1879	Edwin A. Popenoe,	

NATURAL HISTORY.

1863	J. G. Schnebly (and Agricultural Chemistry),	1865
1865	B. F. Mudge (with Mathematics until 1870),	1874
1874	J. S. Whitman (Botany, Entomology and Geology),	1876

CHEMISTRY AND PHYSICS.

1874	Wm. K. Kedzie,	1878
1878	Geo. H. Failyer,	

MATHEMATICS.

1863	N. O. Preston (and English Literature),	1866
1866	J. E. Platt (and Vocal Music),	1873
1873	M. L. Ward (and English),	

LANGUAGE AND LITERATURE.

1866	J. H. Lee (Ancient Classics),	1874
1874	J. H. Lee (English Language and History),	1875
1869	Miss Mary F. Hovey (German),	1872
1873	J. E. Platt (Elementary English and Mathematics),	

MILITARY SCIENCE AND TACTICS.

1866	Gen. J. H. Davidson,	1870
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SUPERINTENDENTS.

FARM.

1870	Fred E. Miller,	1874
1874	Edward M. Shelton,	

GARDENS, ORCHARDS, Etc.

1870	E. Gale,	1878
1878	H. E. VanDeman,	1879
1879	Edwin A. Popenoe,	

SHOPS.

1871	Ambrose Todd,	1878
1878	T. T. Hawkes,	

PRINTING.

1874	A. A. Stewart,	
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TELEGRAPHY.

1873	Frank C. Jackson,	1874
1874	Walter C. Stewart,	1879
1879	I. D. Graham,	

SEWING.

1874	Mrs. H. C. Cheseldine,	1875
1875	Mrs. M. E. Cripps,	

INSTRUCTORS.

1872	Miss Jennie Detmers (Chemistry and German),	1873
1875	Mrs. M. L. Ward (French and German),	1876

DRAWING.

1870	Miss Lizzie J. Williams,	1876
1876	Mrs. Ella M. Kedzie,	1877
1877	John D. Walters,	

INSTRUMENTAL MUSIC.

1863	Mrs. Ella C. Beckwith,	1864
1864	C. Hubschman,	1866
1866	Mrs. Laura C. Lee,	1868
1868	Miss Emily M. Campbell,	1869
1869	Mrs. Hattie V. Werden,	1877
1877	Miss Carrie Steele,	1878
1878	Wm. L. Hofer,	

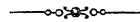
LECTURERS.

Dr. John A. Warder (Horticulture and Pomology), 1871.
 Joseph Rushman (Veterinary Science), 1871.
 Charles V. Riley (Economic Entomology), 1876.
 D. J. Brewer (Practical Law), 1875-1877.

PREPARATORY DEPARTMENT.

1864	J. E. Platt (Principal),	1866
1864	Miss Belle M. Haines (Assistant),	1864

Graduates.



1867.

Henry L. Denison, A. B., Denver, *Colorado*.
 Belle M. Haines *Pond*, A. B., Topeka.
 Emma L. Haines *Bowen*, A. B., Wabaunsee.
 John J. Points, A. B., Omaha, *Nebraska*.
 Martha A. White *Abbott*, A. B., Manhattan.

1871.

Emily M. Campbell *Robinson*, A. B., (died in 1877).
 Ellen F. Denison *Wheedon*, A. B., Lincoln, *Nebraska*.
 Luella M. Houston, A. B., Concordia.
 Charles O. Wheedon, B. S., Lincoln, *Nebraska*.
 Kate E. White *Turley*, A. B., Manhattan.

1872.

Theophania M. Haines *Huntington*, A. B., (died in 1879).
 Albert Todd, A. B., Lieut. U. S. A., Fortress Monroe, *Virginia*.
 Wendell S. Williston, A. M. in 1875, New Haven, *Connecticut*.

1873.

Eliza Z. Davis *Stringfield*, A. B., San Luis O'bispo, *California*.
 Samuel Kimble, A. B., Manhattan.

1874.

Harry A. Brous, A. B., Philadelphia, *Pennsylvania*.
 Edgar F. Clark, A. B., Manhattan.
 John E. Davis, B. S., La Fayette, *Indiana*.
 William D. Gilbert, A. B., Atchison.
 A. Judson White, A. B., Fairfield, *Iowa*.

1875.

Reuben E. Lofinck, B. S., Manhattan.
 Alice E. Stewart, A. B., Manhattan.

1876.

George A. Gale, A. B., Milford.
 Ella M. Gale *Kedzie*, A. B., Manhattan.
 Nellie Sawyer, A. B., Ottawa.
 Carrie M. Kimball, A. B., Manhattan.
 Minerva E. Whitman, A. B., Lyndon.

1877.

Ella S. Child, B. S., Manhattan.
 Geo. H. Failyer, M. S. in 1879, Manhattan.
 John S. Griffing, M. S. in 1880, Topeka.
 Walter C. Howard, B. S., Scranton.
 Fredrick O. Hoyt, B. S., Chicago, *Illinois*.
 Louis E. Humphrey, B. S., Milford.
 James F. LaTourrette, B. S., Red River Springs, *N. M.*
 Marion F. Leasure, B. S., La Cygne.
 William Ulrich, M. S. in 1879, Manhattan.

1878.

Amos E. Wilson, B. S., Solomon City.
 George L. Platt, B. S., (died in 1878).
 Charles S. McConnell, B. S., Manhattan.
 Albert N. Godfrey, M. S. in 1880, Eureka.

1879.

Arthur T. Blain, B. S., Manhattan.
 Ettie Campbell, B. S., Manhattan.
 Wilmer K. Eckman, B. S., Osborne City.
 Corvin J. Reed, B. S., St. Clerc.
 Harry C. Rushmore, B. S., Onaga.
 William H. Sikes, B. S., Garrison.
 Lewis A. Salter, B. S., Thayer.
 Ella Vincent, B. S., Manhattan.
 Clarence E. Wood, B. S., Manhattan.

1880.

Augustine Beacham, B. S., Irving.
 Lizzie R. Cox, B. S., Manhattan.
 Emma Hoyt, B. S., Lawrence.
 Emma Knostman, B. S., Manhattan.
 Grace Parker, B. S., Manhattan.
 Noble A. Richardson, B. S., Guilford.
 Maria E. Sickels, B. S., Schell City, *Missouri*.

BUSINESS DIRECTORY.

COLLEGE LANDS and all business connected with their sale are in charge of L. R. Elliott, Agent. Full particulars with descriptive map will be furnished upon application at his office, in Manhattan.

LOANS upon school-district bonds are to be obtained from M. L. Ward, Loan Commissioner, who will furnish all necessary blanks and papers. Residence, Manhattan.

PAYMENTS on account of College funds, and from the College on approved bills, are made at the office of E. B. Purcell, Treasurer, in Manhattan.

BILLS against the College should be presented monthly to the several heads of departments, or to the Secretary of the Board, at the College.

QUESTIONS, scientific or practical, concerning the different departments of study or work, may be addressed to the several Professors and Superintendents.

THE INDUSTRIALIST may be addressed through Prof. E. M. Shelton, Managing Editor. Subscriptions are received by Sup't A. A. Stewart.

DONATIONS for the Library or Museums should be sent to Prof. Ward, Librarian, or to Profs. Failyer and Popenoe, Committee on Museums.

GENERAL INFORMATION concerning the College and its work,— studies, examinations, grades, boarding places, etc.,— may be obtained at the office of the President.