

THE
FOURTH ANNUAL CATALOGUE
OF THE
OFFICERS AND STUDENTS

OF THE
Kansas State Agricultural College,

FOR THE YEAR 1868-9.



MANHATTAN :
STANDARD OFFICE.
1869.

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Professor of Mathematics and Vocal Music.

.....
Professor of Mechanic Arts and Civil Engineering.

MISS EMILY M. CAMPBELL,
Teacher of Instrumental Music.

J. EVARTS PLATT,
Principal of the Preparatory Department.

CLASSICAL COURSE.

RESIDENT GRADUATES.

<i>Names.</i>	<i>Residence.</i>
White, Martha A., ✓	Blue Mont.

JUNIOR CLASS.

Denison, Ellen F., ✓	Blue Mont.
Huntress, Charles O., ✓	Clay Center.

SOPHOMORE CLASS.

Houston, S. Dexter, ✓	Blue Mont.
Todd, Albert, ✓	Manhattan.
Williston, S. Wendell, ✓	"
Young, Charles H., ✓	"
Campbell, Emily C., ✓	Blue Mont.
Denison, Emma Jane, ✓	"
Haines, Anna M., ✓	Wabaunsee.
Haines, Theophania M., ✓	"
Houston, M. Luella, ✓	Blue Mont.
White, Kate, ✓	"

FRESHMEN CLASS.

Blachley, Frank C., ✓	Wyandotte.
Gephart, Marshall, * ✓	Oskaloosa.
Johnson, J. Frank, ✓	Wabaunsee.
Kimble, Samuel, ✓	Wild Cat Creek.
Miller, H. Frank, ✓	Colorado.
Mudge, Milton R., ✓	Blue Mont.
Sanford, Albert H., ✓	Zeandale.
Tolin, Leonard B., ✓	Circleville.
White, Wm. Farel, ✓	Blue Mont.
White, Judson A., ✓	"
Davis, Eliza J., ✓	Manhattan.

* Dismissed.

PREPARATORY CLASSICAL.

SECOND YEAR.

Parsons, E. Dwight,	Kansas City, Mo.
Sternberg, Charles H.,	Fort Harker.
Campbell, Alice,	Blue Mont.
Himes, Anna P.,	"
Knipe, Mary E.,	"
Knipe, Susanna J.,	"
Littlefield, Emma E.,	Manhattan.
Mudge, Eusebia B.,	Blue Mont.
Parish, Lamoile L.,	Manhattan.
St. John, Clara,	"

FIRST YEAR.

Allen, Charles W.,	Ellsworth.
Chaffee, Gaius W.,	Blue Bottom.
Campbell, Lewis,	Blue Mont.
Davis, William B.,	Manhattan.
Davis, John,	"
Denison, George,	Blue Mont.
Gale, George A.,	Manhattan.
Hipple, Oliver P.,	Monrovia.
Hoyt, Charles C.,	Manhattan.
Humphrey, Chester H.,	Milford.
Kimble, Joseph,	Wild Cat Creek.
Parsons, George L.,	Kansas City, Mo.
Points, Charles N.,	Red Vermillion.
Powers, Pomeroy W.,	Manhattan.
Shannon, James P.,	Pottawatomie.
Soupene, John C.,	"
Campbell, Ellen L.,	Blue Mont.
Dennis, Ella N.,	"
Gale, Ella N.,	Manhattan.
Green, Mary Elisabeth,	Blue Bottom.
Hoyt, Maggie J.,	Manhattan.
Kimball, Carrie M.,	Blue Mont.
Morse, Mary Alice,	"
Parish, Eugénie,	"
Parsons, Gertrude E.,	Kansas City, Mo.
Parsons, Ellen Mildred,	"
Stewart, Alice E.,	Blue Mont.
Thurston, Emily L.,	Manhattan.
Whitney, Ella Jane,	Blue Mont.

ACADEMIC AND SCIENTIFIC.

<i>Names.</i>	<i>Residence.</i>
Anthony, George H.,	Leavenworth.
Allen, William O.,	St. George.
Barnett, William D.,	Hiawatha.
Benton, Carmi O.,	Louisville.
Benton, James O.,	"
Best, John R.,	Monrovia.
Blair, Charles N.,	Solomon City.
Blair, Edgar W.,	"
Beach, John Mc.,	Mission Creek.
Beal, William H.,	Ashland.
Brouse, Harry A.,	Pittsburg.
Burroughs, Frank,	Blue Mont.
Campbell, Arthur M.,	"
Chandler, Alfred Lee,	Wamego.
Cook, Martin L.,	Black Vermillion.
Copeland, William Albert,	Blue Mont.
Denning, William Henry,	"
Dale, Thomas,	Blue Bottom.
Foot, Andrew,	Ogden.
Green, Thomas H.,	Blue Bottom.
Green, William D.,	Irving.
Gifford, Charles Edward,	Milford.
Hallowell, Alfred H.,	Washington.
Hawley, John J.,	Seneca.
Hibbard, Russell A.,	Manhattan.
Hoyt, W. Frank,	"
Himes, Daniel Francis,	Blue Mont.
Hipple, Samuel L.,	Monrovia.
Hannam, George W.,	America City.
Hougham, Henry,	Blue Mont.
Houston, Charles S.,	"
Huffsmith, Samuel E.,	Salina.
Humphrey, Chester K.,	Milford.
Humphrey, Howard,	"
Kimble, Francis B.,	"
Kimball, Charles W.,	Blue Mont.
King, Thomas A.,	Texas.
Kuipe, William,	Blue Mont.
Kress, Wesley,	Mill Creek.
King, Mary L.,	Manhattan.

Kuhn, Preston H.	Fort Leavenworth.
Lamb, Charles W.	Detroit.
Lamberson, George, Jr.	Monrovia.
Mudge, Josiah B.	Blue Mont.
Paine, John	Walton, N. Y.
Philbrick, Charles K.	Leavenworth.
Pierce, Edward M.	Blue Mont.
Pierce, Franklin H.	"
Quimby, Frank B.	Clay County.
Reynolds, James B.	Fort Riley.
Remington, Howard S.	Blue Mont.
Remington, Henry	"
Rabbit, John	Abilene.
Stewart, Arthur F.	Blue Mont.
Stewart, Silas	Irving.
Steel, Thomas W.	"
Stinson, Thomas J.	Tecumseh.
Snyder, James H.	Chapman's Creek.
Stancliff, David R.	Manhattan.
Usher, Linton J.	Terre Haute, Ind.
Usher, Samuel C.	"
Vilander, Magnus	Blue Mont.
Whedon, Charles O.	Manhattan.
Winne, Ernest	Blue Mont.
Wharton, Francis H.	Doniphan.
Allen, Emma J.	St. George.
Benton, Lucia O.	Louisville.
Bishop, Mary L.	Rocky Ford.
Blair, Sarah	Solomon City.
Blush, Alice A.	Topeka.
Burroughs, Lettie	Blue Mont.
Campbell, Alice M.	"
Campbell, Martha E.	"
Campbell, Fannie L.	"
Carnahan, Sarah M.	Big Blue Valley.
Colburn, Jennie	Hays City.
Davidson, Lizzie Mc G.	Blue Mont.
Dimmock, Myra G.	Manhattan.
Earle, Carrie M.	Wabaunsee.
Foster, Mary Ann	Manhattan.
Fryhofer, Emma	Fancy Creek.
Gove, Lucinda J.	Manhattan.
Huggins, Caroline C.	Louisville.
Holman, Lena A.	Manhattan.
Knipe, Laura B.	Blue Mont.
Kimball, Ella M.	"
King, Hattie H.	"

Knapp, Sarah C.,	Wild Cat Creek.
Kuhn, Clara G.,	Fort Leavenworth.
Leffingwell, M. Katie,	Ohio.
Miller, Isabella J.,	Manhattan.
Parkinson, Hattie A.,	Blue Mont.
Parish, Ida,	Manhattan.
Patee, Emma C.,	St. Joseph, Mo.
Pierce, Emma M.,	Blue Mont.
Roberts, Almira E.,	Hays City.
Remington, Emily,	Blue Mont.
Standcliff, Alvira,	Irving.
Smith, Gracie,	Blue Mont.
Thomas, Emma M.,	Topeka.
Thurston, Nettie Florence,	Manhattan.
Turner, Carrie Augusta,	"
Todd, Elizabeth,	Frankfort, Marshall Co.
Walker, Margaret J.,	Rock Creek.
Whitney, Hattie E.,	Blue Mont.
Wood, Mary,	St. George.
Woodward, Eva J.,	Manhattan.

SUMMARY.

Resident Graduates.....	1
Undergraduates.....	23
Preparatory Classical.....	39
Academic and Scientific.....	107
Total.....	170

CALENDAR
FOR 1869.

Jan'y 6 — Winter Term begins.
March 29 — Winter Examination begins.
March 31 — Winter Term ends.
April 1 — Spring Term begins.
June 21 — Annual Examination begins.
June 23 — Commencement Exercises.
Sept. 7 — Examination for Admission.
Sept. 8 — Fall Term begins.
Dec. 20 — Fall Examination begins.
Dec. 22 — Fall Term ends.

COURSES OF STUDY.

CLASSICAL COURSE.

AGRICULTURAL AND SCIENTIFIC COURSE.

MILITARY SCIENCE AND TACTICS.

MECHANIC ARTS AND CIVIL ENGINEERING.

ACADEMIC AND PREPARATORY COURSE.

COMMERCIAL AND MERCANTILE COURSE.

NORMAL COURSE.

AGRICULTURAL AND SCIENTIFIC COURSE.

FIRST YEAR.

FIRST TERM. — Soils in their Relation to Vegetation, Water, Atmosphere, and also in their Relation to Vegetable Products.
Recitations, Lectures and Field Practice on the Farm.
University Algebra and Modern History.

SECOND TERM. — Subsoil Plowing, Tillage, Draining and Fertilizers.
University Algebra.
Natural Philosophy, with Lectures.

THIRD TERM. — Botany, (Grays.) Zoölogy. (Agassiz.)
Meteorology, (Loomis'.) Geometry, (Robinson's.)
Botanical Lectures, Excursions and Field Instruction.

SECOND YEAR.

FIRST TERM. — Structure and Physiology of Plants.
Buildings, Fall Crops and Use of Farm.
Machinery, and best Farm Implements.
Preservation of Seeds, Recitations, Lectures, and Field Instruction.
Geometry, (Robinson's.) Logic, (Coppee's.)

SECOND TERM. — Physiology and Care of Domestic Animals.
Diseases of Cattle and Horses.
Propagation and Cultivation of Forest Trees adapted to Hedges, and their Cultivation. Recitations, Lectures.
Trigonometry, (Robinson's.) Logic, (Coppee's.)

THIRD TERM. — Horticulture, and Kitchen Gardening.
Propagation and Training of Fruit Trees, Vines, especially the Grape, Small Fruits, and Vegetables.
Grafting, Recitations and Lectures.
Surveying and Engineering.

THIRD YEAR.

FIRST TERM. — The Staple Grains, Forage, Root, and Fiber Crops of the Northern and Middle States, with their Varieties, and Soils adapted to them.
Insects Injurious to Vegetation.
Origin and Natural History of Domestic Animals.
Conic Sections. (Robinson's.)
Mental Philosophy, (Haven.) Chemistry.

SECOND TERM—Raising and Care of Domestic Animals.
 Characteristics and Adaptation of Breeds.
 Cattle for Beef, Draft and Dairy; Horses, Sheep, Swine;
 Pasturing, Soiling, and Stall Feeding.
 Agricultural Botany, Destruction of Weeds and Noxious
 Plants.
 Farm Book-Keeping.
 Chemistry, with Lectures.
 Physiology, (Hitchcock's.)
 "How Plants Grow," (Johnson.)

THIRD TERM.—History of Agriculture and Sketches of Husbandry in
 Foreign Lands.
 Adaptation of Farming to Soil, Climate, Market and
 other Natural and Economical Conditions.
 Systems of Farming, Stock, Sheep, Grain and Mixed
 Farming.
 Geology, (Dana's.) Moral Philosophy, (Haven's.)
 Political Economy, (A. Walker's.)

Agricultural, Zoological, Botanical and Geological Excursions during
 the Fall and Spring Terms of the Second and Third Year, will be con-
 ducted under the guidance of the Professor of Agriculture and the
 Professor of Natural Sciences, and are intended to be thoroughly prac-
 tical in their character.

Daily and weekly exercises in Music, Calisthenics, Composition and
 general Reading, the same each year as in the Classical Course.

MILITARY COURSE.*

FIRST YEAR—JUNIOR CLASS.

FIRST TERM. — Infantry Tactics. (Upton's.)
 School of the Soldier.
 School of the Company.

SECOND TERM.—Cavalry Tactics, (United States of 1841.)
 School of the Trooper.
 School of the Platoon.

THIRD TERM. — Artillery Tactics. (United States.)
 School of the Piece.
 Army Regulations.
 Articles of War.
 Lessons in the Small Sword and Broad Sword Exercise.

SECOND YEAR—SENIOR CLASS.

FIRST TERM. — Infantry Tactics.
 School of the Company continued.

SECOND TERM.—Cavalry Tactics.
 School of the Squadron.

* Any Student, after passing a proper examination by the Faculty,
 can enter this Department, and all male students are required to take the
 Military drill.

THIRD TERM.—Artillery Tactics. School of the Battery.
 Army Regulations continued.
 Benét on Courts Martial. Chandler's Manual.
 System of Accountability for Public Property in the
 various Staff Departments, and in the Company.
 Company Books, Clothing, Orders, Letters, Returns.
 Cooking, Camping, Hygiene.
 Elements of Military Engineering, (Mahan.)
 Small Sword and Broad Sword Exercises continued.
 Lippitt's Special Operations of War.

PREPARATORY COURSE.

Those who wish to enter the Academic, or Preparatory Department, should be prepared to pass a satisfactory examination in the four fundamental rules of Arithmetic, and the Elements of English Grammar, Geography, Spelling and Reading.

FIRST YEAR.

FIRST TERM.—Arithmetic, (Robinson's.)
 Geography.
 English Grammar, (Greene's.)
 First Book and Latin Grammar, (Harkness.)

SECOND TERM.—Arithmetic.
 Geography.
 English Grammar.
 Harkness' Grammar and Reader.

THIRD TERM.—History of the United States, (Anderson's.)
 Arithmetic.
 English Grammar.
 Harkness' Grammar and Reader.

SECOND YEAR.

FIRST TERM.—Arithmetic, (Metric system.)
 English Grammar—Analysis.
 Cæsar's Commentaries and Grammar.
 Whiton's 1st Greek Lessons and Hadley's Grammar.

SECOND TERM.—Physiology and Hygiene, (Cutter,) and Lectures.
 Cicero's Orations.
 Whiton's 1st Lessons and Grammar.
 Book-Keeping.

THIRD TERM.—Physiology and Hygiene, with Lectures.
 Cicero's Orations.
 Xenophon's Anabasis.
 Book-Keeping and Commercial Law.
 Special attention paid to Reading, Spelling and Penmanship.

THIRD YEAR.

FIRST TERM.—Universal History, (Willard's.)
 Virgil—Prosody.
 Xenophon's Anabasis.
 University Algebra, (Robinson's.)

SECOND TERM.—Universal History — (continued.)

Virgil — Georgics.

Herodotus.

Algebra — (continued.)

Hand-Book of the Stars.

THIRD TERM.—Natural Philosophy.

Sallust, and Latin Prose Composition.

Heroditus.

Geometry — four Books — (Robinson's.)

Daily and weekly exercises throughout the Course, in Music, Calisthenics, Composition and Elocution.

COLLEGE COURSE.

FRESHMEN YEAR.

FIRST TERM. — Natural Philosophy.

Livy, and Latin Composition.

Homer's Iliad.

University Algebra, (Robinson.)

SECOND TERM.—Meteorology, (Loomis.)

Sallust.

Homer.

Geometry, (Robinson.)

THIRD TERM.—Botany, (Gray's.)

Horace — Odes.

Thucydides.

Geometry.

Read Bancroft's History of the United States, and Keightley's History of Greece and Rome.

SOPHOMORE YEAR.

FIRST TERM. — Chemistry.

Rhetoric.

Horace — Ars Poetica.

Thucydides.

Trigonometry, (Robinson's.)

SECOND TERM.—Chemistry,

Tacitus — Germania.

Greek Tragedies, (Woolsey's.)

Surveying and Navigation, (Robinson.)

THIRD TERM. — Zoölogy, (Agassiz.)

Cicero de Officiis et de Senectute.

Plato.

Civil Engineering.

Read Greeley's American Conflict, Motley's Dutch Republic, Macaulay's History of England and D'Aubigne's History of the Reformation.

JUNIOR YEAR.

FIRST TERM. — Geology, (Dana,) with Lectures.
Terence or Ovid.
Rhetoric and United States Constitution.
Conic Sections, (Robinson.)

Elective studies — French and Spanish. Provision is also to be made for giving instruction in the German Language.

SECOND TERM. — Mineralogy, (Dana.)
Physiology, (Hitchcock,) with Lectures.
Logic, (Coppee.)
Analytical Geometry, (Robinson.)

Elective studies, as before, with Advanced Chemistry.

THIRD TERM. — Acoustics and Optics.
Mental Philosophy, (Haven.)
Calculus, (Robinson.)
Civil Government, (Townsend.)

Elective studies as before. Daily and weekly exercises for each of the preceding years in Music, Calisthenics, Composition and Elocution.

Read Guizot's History of Civilization, Thier's French Revolution, and Hallam's Constitutional History of England.

SENIOR YEAR.

FIRST TERM. — Astronomy, (Robinson.)
Moral Philosophy, (Haven.)
Political Economy, (Walker.)

SECOND TERM. — Mechanics.
English Literature.
Butler's Analogy.

THIRD TERM. — International Law, (Woolsey.)
Evidences of Christianity, (Hopkins.)
Art Criticism, (Samson.)

Original Orations, Essays, etc., during the year.

MISCELLANEOUS ITEMS.

RELIGIOUS SERVICES.

Preaching every Sabbath afternoon at the College.

LECTURES.

During each Term a course of Lectures will be given by the Faculty on subjects taught in the various Departments.

DEPARTMENT AND SCHOLARSHIP.

A Roll of Merit and of Demerit will be kept of each Recitation, and the standing of each student faithfully made out at the close of every Term, and read publicly. This standing will be registered in the College Records, and opened to the inspection of parents and guardians of the students. A certificate of the standing, showing the deportment and scholarship of the student, will be sent to the parent or guardian when requested.

EXAMINATION.

The last three days of each Term will be occupied in examining the classes in all the Departments.

EXHIBITION.

The Exhibition of the Academic and Preparatory Department occurs at the close of the Winter Term. The usual Commencement Exercises transpire at the close of the year.

DEGREES.

The degree of "Bachelor of Arts" is conferred on students who complete the Classical Course, and pass examination in the same.

The degree of "Bachelor of Science and Agriculture" is conferred on those who complete the Scientific and Agricultural Course together and pass a satisfactory examination in the same, and the degree of "Bachelor of Science" will be conferred on those who complete that Course alone.

On graduates of three years' standing, who have engaged during the time in Professional or Literary and Scientific Studies, will be conferred the Master's Degree. Diplomas will be given to those who shall complete the Course in Military Science and Tactics, and pass a satisfactory examination in the same, and also to those who complete the Course in the Mechanic Arts; also to those who shall complete the Commercial Course, and to those who complete the full course in Vocal and Instrumental Music.

EXPENSES.

Tuition is free in all the Departments except Instrumental Music. Ladies share the privileges of the Institution equally with gentlemen. A contingent fee of three dollars a term, or nine dollars a year, is charged

to meet the expense of fuel, lights, sweeping, etc. In Music—for instruction on the Melodeon, \$8 a term; on the Piano, \$10 a term. For the use of a Melodeon, \$1; use of a Piano, \$2 a term. For the use of the Library, 50 cents a term.

BOARD.

Board is furnished at the Boarding House (a new, ample, and well finished stone building in charge of Col. F. Campbell) at \$3.75 a week, with an additional charge of \$5 a term for fuel and lights. Washing done at reasonable rates. A portion of the students board themselves at less expense.

RULES.

Each person who seeks to become a member of the College must present to the Faculty satisfactory testimonials of good moral character.

All students are required to observe the study hours prescribed by the Faculty.

All students are required to perform faithfully the duties and exercises, and to pursue the studies assigned them by the Faculty, and promptly to give suitable reasons for tardiness to any of their duties, or absence from them.

Undue social attentions will not be allowed.

Any student who is idle or vicious, or whose moral character is bad, or whose influence is decidedly detrimental, in the opinion of the College government, to the literary and moral interests of the College, may be reprimanded, suspended, dismissed, expelled, or otherwise punished, at the discretion of the Faculty.

Any student who, without just cause, shall fail to attend the examination, will be considered as under censure, and will not be allowed to advance with his classes without suitable amends.

Those who leave the College during Term time, without permission, will be liable to suspension, or expulsion.

No student will be permitted to leave any class without the consent of the Faculty.

No meeting of the students can be held in the College for the transaction of any kind of business, unless by permission of the Faculty.

Any student who shall injure or deface the buildings, in addition to such penalty as the Faculty may see fit to inflict, will be subject to the expense occasioned by the necessary repairs.

Habitual indolence, inattention to study, and attending balls in term time, will be regarded as an offense against the laws and the spirit of the Institution, and will be made the subject of such discipline as the Faculty may deem expedient.

No student shall be permitted to recite, unless the contingent fee shall have been paid.

All students are required to attend meeting on the Sabbath, either at the Institution or at such place of worship as they or their parents or guardians may choose.

ENDOWMENT.

The Kansas State Agricultural College has an endowment of ninety thousand (90,000) acres of land, obtained by act of Congress of the 2d of July, 1862, which granted to the loyal States for educational purposes thirty thousand acres of land for each Senator and Representative in Congress. This land has been located by a commission of faithful men, who have visited and inspected in person each quarter section, and every one selected is suitable to make a good farm. This land is located principally in Riley, Dickinson, Marshall, Washington and Clay counties, and much of it is near the Central Branch Union Pacific Railroad, and the Union Pacific Railway, Eastern Division. The land is now appraised at from \$3 to \$8 an acre, and is offered for sale, especially to actual settlers.

Hon. I. T. GOODNOW, late State Superintendent of Public Instruction, is appointed Agent in charge of its sale. At a proper time in the future it will be reappraised, when its value will doubtless be doubled. The least these lands ought to bring should furnish an endowment of \$500,000. They may amount to more than that sum. Up to this time nearly 8,000 acres have been sold at an average of \$4 an acre. The interest on this already begins to meet a part of the current expenses.

By an act of the Legislature the State very wisely loaned the Institution an amount sufficient to meet its current expenses from year to year, which amount is to be repaid to the State after the fund arising from the sale of the lands amounts to say \$150,000. The interest on this latter sum will meet the then current expenses of the Institution, and the interest on all the fund above that can be properly used to repay the State till the loan is cancelled.

This course relieves the State of additional taxation, gives the children of the present generation, the pioneer settlers of the State, the benefit of the endowment fund, and presents one of the strongest possible motives to induce worthy families to come and settle in the State, assuring them that the first class Institutions of Learning are open for their children.

The fruits already appear—more than twenty counties in the State have been represented in the Institution by the names in the present Catalogue. At least eighty teachers have already gone out to instruct the schools of the State. The first class, numbering five, graduated in 1867, and will compare favorably in scholarship with the graduates in any Institution.

It is believed that all the conditions of the organic act requiring the Institution to be in operation in its different Departments in five years from July, 1862, have been complied with. The stone fence around eighty acres including the College Square, is completed. Forty acres are

under the plow, forest trees for a wind-break, and more than two hundred fruit trees are set out, and all that pertains to the Agricultural Department will be developed as fast as possible.

Each student is expected to cultivate a small tract of ground either for useful or ornamental purposes.

N. B.—Persons wishing to purchase the College Lands, or to seek information concerning them, should address Hon. I. T. GOODNOW, at Manhattan, Riley county, Kansas.

LOCATION.

The College is located in the Kansas Valley, near Manhattan, Riley county. It is about 115 miles west of Leavenworth, and about the same distance from Wyandotte, at the mouth of the Kansas river. Its distance west from Lawrence is 80 miles, and from Topeka about 50 miles, and it is 15 miles northeast from Fort Riley. It stands on a beautiful eminence back of the town, running northeast and southwest. From the base of the building, but especially from its top, is a panoramic view seldom surpassed for beauty and loveliness. The beholder, facing the west, will see the valley of Wild Cat Creek, running up to the northwest about 15 miles, and skirted with undulating bluffs. Facing the east, the lovely scene that opens to view is made up of the thriving town of Manhattan, spread out at the junction of the Big Blue and the Kansas river, and the valley of the Kansas, extending far on below with its majestic bluffs and intervening creeks. The field of view at the left takes in a part of the valley of the Big Blue, but the conspicuous figure in front is Blue Mont, the parent of the bluffs that line the valleys of the Big Blue, and the last one the river passes ere it unites with the Kansas. A straight edge, sixty miles long, with one end laid on the top of this cone-shaped bluff, and the other end on the top of the bluff nearly opposite Marysville, in Marshall county, would be touched by a series of similar bluffs running the whole distance, the most of which are truncated, though on a few the tops still remain. The traveler down the valley of the Big Blue, as he gazes upon these cone-like bluffs, rising on either side, covered with the verdure of spring, and feels the impression made upon him by the curved lines that bound them blending with the hues and tints of light and shade that rise around their sides, can scarcely fail to cry out for joy from the emotions of beauty they awaken.

Manhattan is very easy of access by Railroad and otherwise. The depot of the Union Pacific Railway, E. D., is about two miles from the Institution. Already the passenger cars run to Sheridan, 290 miles southwest of this place. The business of the Road from Government transportation and otherwise is now very large and destined to increase immensely. It will be built on to Denver and Santa Fe and California.

The soil of the valley of Kansas and its tributaries in extent and richness is sufficient to support millions of people, and the pioneer can now come all the way to his frontier home in the cars.

BUILDINGS.

The College building is of beautiful grey limestone, which lies in great abundance, conveniently packed in the brow of bluffs in this region, and cannot be surpassed as a material for building and fencing. It is sixty feet in length by forty-four in width, and three stories high, surmounted by a beautiful cupola, in which is an excellent bell, donated by Joseph Ingalls of Swamscot, Massachusetts. The third story is occupied as a Chapel, capable of seating about four hundred, and is supplied with excellent chairs for the audience, a superior Organ, and table and desk for the speaker. On the second floor are four rooms—a music room, in which are a first class Piano and Melodeon, and three recitation rooms, with hall and stairway. On the lower floor are the hall, the President's office, a large library room, an assembly or school room, and a large recitation room. The Library already has nearly 3,000 volumes, and is constantly increasing, \$1,000 worth of books having just been added to it by donations this year.

The Boarding House is an ample stone building thoroughly built and well furnished, and capable of accommodating sixty students.

APPARATUS AND CABINET.

The College is provided with a good assortment of Philosophical and Chemical Apparatus, sufficient to perform all experiments required in teaching Natural Philosophy and Chemistry. We have over two hundred and fifty pieces, embracing about one hundred and fifty different kinds of instruments. Prof. Hougham has just returned (January, 1869,) from the East, where he has been selecting further valuable additions.

The Cabinet donated by Prof. Mudge consists of a very extensive variety of minerals and ores, collected by him during a residence of twenty-five years in New England. Many of them are quite rare and valuable. In addition to this, the College possesses a good collection of specimens from various parts of our State, illustrating the geology of Kansas. To this specimens are constantly being added. This Cabinet is of great value in pursuing the studies of Agriculture, Geology, Mineralogy, and kindred Sciences.

Skeletons, Models of the Eye, Plates and Diagrams, are provided for the use of the students of Anatomy and Physiology.