

# The M. A. C. RECORD.

MICHIGAN STATE AGRICULTURAL COLLEGE.

VOL. 8.

LANSING, MICHIGAN, TUESDAY, NOV. 11, 1902.

No. 9

## TO THE MEMORY OF DR. R. C. KEDZIE.

Through the public press our friends away from the College will have learned of the death of Dr. Kedzie. It will be long, however, before either they or we at the College begin to realize the full nature and extent of the loss that the College, the state, and the scientific world, have suffered. The first feeling is that of *personal* loss. We mourn the kindly friend and neighbor, keenly and sympathetically responsive to the joys and the sorrows of those he loved; always ready with the sharp, incisive word that went straight to the heart of the matter, or the helpful act that spontaneously took its birth in a noble nature. We mourn the courtly gentleman, the brilliant conversationalist, who gave life and color and interest to every social gathering; the easy, natural charming public speaker, whose unerring good taste and fertility of resource made him, as a matter of course, the representative of the College on all public occasions. When he came forward on some platform where men of mark from half the world were gathered, there was a feeling of security, of confidence, of pride in him as *our* representative, that had a sure foundation in the fact that he never failed to measure up to the full demands of such occasions. More still than this we mourn the sturdy patriot, the man whose vote and powerful influence were all thrown on the side of honor and justice and honesty, and against every form of fraud and corruption and greed in the management of public affairs; the sincere and devoted follower of the meek and lowly Nazarene, whose life and thought were permeated and directed by an abiding faith in the religion he professed, and who by word and example inspired us all to nobler aspiration and larger effort. For

"Christes lore and his apostles twelve,  
He taught, but first he folwed it himselve."

Dr. Kedzie is dead. I write the sentence yet I cannot realize even its physical meaning. It seems impossible that even death should conquer that indomitable will, should still that nervous hand, should make those feet too heavy for the long accustomed paths. How much more must this be true for those who knew him only in health, who recall only the vigorous man engaged in the active work of life, striking giant blows against fraud and wrong, hewing out new paths for civilization and progress? For them indeed this man must be and *is* immortal. For them and for us he has wrought out, to them and to us he has left, the precious legacy of a life impervious to decay, sun-crowned, forever active, forever achieving.

Dr. Kedzie's personality, pervasive, towering, compelling, dominated all the activities of this institution practically from its beginning down to the present day. It was he who watched over its infancy, who gave it vigor to survive the attacks made upon its youth, who clothed its young manhood with

dignity, and crowned its maturer years with respect and honor. This is the man who has just passed from among us and upon whose bier we cast the tribute of gratitude. The rarest and most precious of gifts to mankind is a fruitful, well-rounded, complete life, and such the Agricultural College proudly offers to the world in the life of Robert Clark Kedzie. He passed away full of years and honor, and his works do follow him.

### EVENTS OF HIS LIFE.

That our students may know something of the history of a man

heroic souls in those days, and that lonely mother must have belonged to the very elect among them.

With these people education was a sacred duty, and in the face of a thousand difficulties the youth was trained—chiefly on Scott's commentaries, Fox's Book of Martyr's, Cook's Voyages, Burn's Poems, and Chalmers's Sermons—until at seventeen he was ready to enter Oberlin College. Working his own way through the college—partly by teaching school at \$11.33 per month—he was graduated in the classical course six years later, and at once took charge of Rochester

During his long service of thirty-nine years he has given instruction in chemistry to every class graduating from the College save two, and many of his students are professors of chemistry in various institutions of learning throughout the United States.

In 1863 he received the degree of M. A. from his alma mater, Oberlin; in 1898 the Agricultural College, as an acknowledgment of his long service and merit, bestowed upon him the degree of D. Sc.; and in 1901 the University of Michigan recognized his eminence in the scientific world by conferring upon him the highest honor within its power, the degree of LL. D.

Of his services to science and mankind, it is difficult to speak in measured terms. Dr. Victor C. Vaughan, in characterizing his career said: "I know of no man who has done so much for the betterment of human life. He was the first to investigate the dangers of arsenical wall papers and to inaugurate legislation looking to the discontinuance of their manufacture. He also investigated the dangers of inferior illuminative oils, and legislation safe-guarding the people against them was enacted. Dr. Kedzie has been justly called the father of the beet sugar industry in Michigan. He showed how there was something to be grown on the lands where the pine forests had been cut off. As a member of the State Board of Sanitation he was a leader. He accomplished things. The state of Louisiana, through his efforts, inaugurated a quarantine at New Orleans, the first thing of its kind in the world, and when Asiatic cholera appeared at the port of New York, it was largely because of his agitation that it was possible to say, 'Thus far shalt thou come and no farther.'"

### THE FINAL ILLNESS.

Dr. Kedzie's illness was long and exceedingly distressing. He was taken with an affection of the heart which made breathing extremely difficult and laborious; yet throughout all his sufferings the same invincible will power, the same heroic tenacity of purpose bore him up. Death itself could not conquer him until in his hands had been placed, fresh from the press, a copy of the last work that came from his pen. Racked by pain, and aware that more than once unconsciousness had already thrown a black pall over his splendid faculties, he remembered the lad that had brought his mail, and fastening a coin to a card he wrote on it—perhaps the last words traced by his pen—"Lest we forget! Lest we forget!" The end came quietly, and on the evening of Nov. 7 at nine o'clock—his usual time for retiring—he sank peacefully into the eternal sleep. Around his bedside were gathered all his immediate family and to them his last conscious words were addressed—"My love to all. It was indeed 'the ruling passion strong in death.'"

(Continued on page two.)



R. C. Kedzie

so revered, a brief chronicle of the main facts of his life is here compiled. Born in Delhi, N. Y., January 28, 1823, he migrated with his parents during the year 1826 to the Raisin valley in Lenawee county, Michigan, and the family pitched their camp in the midst of the "forest primeval." One of the most interesting talks ever given by the Doctor was descriptive of the pioneer life of this early day, "when men lifted up axes upon the tall trees," in order to make place for the lonely cabin that sheltered wife and growing children, and for the little patch of corn and vegetables that fed them. His father died soon after settling here, and the widowed mother took up alone the grim struggle for herself and the seven children that constituted the family. There were

Academy, Oakland county, holding this principalship for two years. Resigning his position, he, at that time entered the medical school of the University of Michigan, and received the degree of M. D. with the first medical class of that institution in 1851.

He began at once the practice of his profession, first in Kalamazoo for one year, then in Vermontville for ten years. The civil war breaking out, he served for a year as surgeon in the 12th Michigan Infantry. On his return to Michigan in 1863 he was appointed to the professorship of chemistry in the Michigan Agricultural College. This position he held until a few months ago, when at his own request he was relieved of active duty and appointed professor emeritus with full salary.



# THE M. A. C. RECORD.

PUBLISHED EVERY TUESDAY DURING THE  
COLLEGE YEAR BY THE  
MICHIGAN STATE AGRICULTURAL COLLEGE

## TO THE MEMORY OF DR. R. C. KEDZIE.

(Continued from page one)

### THE FUNERAL CEREMONIES.

On Monday afternoon at one thirty o'clock, a large and distinguished audience gathered in the Armory of the College to do final honor to the memory of this great man. From all parts of the State and beyond, men had hastened to pay their tribute of respect. Magnificent floral designs from every direction relieved the gloom of the black draperies, roses and carnations and chrysanthemums in resplendent beauty speaking of a faith and hope that takes away the sting of death and makes impotent the victory of the grave. On the platform were the choir of Plymouth Congregational Church of Lansing; the officiating clergyman, Rev. W. H. Pound, of the same church; Mr. Thomas Holmes, an Oberlin classmate; Dr. Victor C. Vaughan and Dr. A. B. Prescott, of the University of Michigan; Hon. C. W. Garfield, of Grand Rapids, an alumnus of the College; Justice C. B. Grant, of the Supreme Court of Michigan; Prof. J. L. Daniels, of Olivet; and President J. L. Snyder, of the College. In the audience were the State Board of Agriculture, the State Board of Health, the Governor of the State and members of his staff, members of the alumni association from all parts of the state, the faculty and the students of the College, and a large delegation of representative citizens from Lansing and other places.

Noble and eloquent words were spoken by Mr. Pound, the minister; by Dr. Vaughan, for the University; by Judge Grant, for the Loyal Legion, of which Dr. Kedzie was a member; by Mr. Garfield, for the alumni; and by President Snyder, for the Board of Agriculture, the faculty, and the students of the College. We are sorry that we have the manuscripts of only two of these beautiful tributes to give to our readers.

The active pall bearers were Instructor H. S. Reed, C. F. Schneider, '85; W. K. Prudden, '78; representing the alumni; Messrs. J. B. Strange, W. S. Merick, J. P. Haftenkamp, W. F. Farleman, M. F. Johnson, representing the students by classes. The honorary pall bearers were William Donovan, Justice C. B. Grant, Dr. W. J. Beal, Prof. L. R. Taft, Dr. Jas. B. Griswold, Hon. Franklin Wells and Hon. T. F. Marston and Hon. Frank Wells. For two hours previous to the funeral services the body lay in state in the armory in charge of the military officers of the College battalion.

Many telegrams, letters and memorials from every source and quarter of the land have been received. These no doubt will be gathered by the College and put into some permanent, accessible form.

The interment took place in Mount Hope Cemetery, where lie the bodies of Mrs. Kedzie, the wife, and W. K. Kedzie and Robert Kedzie, sons who died in early manhood.

H. E.

### TRIBUTE BY REV. W. H. POUND.

The lifeless form of one of God's noble men lies yonder in the sleep which knows no earthly waking. After long years of conspicuous service to his state and to his fellow men he has answered the call that comes to every man and with unquestioning faith has entered into that life which is the inheritance of God's faithful servants.

The circle of mourning friends is very large. He was widely known by virtue of his pre-eminence in his chosen life calling, of his long self sacrificing service to this noble college, of his large public service and of his virile Christian character. Every one who knew him could but hold him in high esteem. The rich and the poor, the great and the lowly, found ready access to his heart and drew freely upon his sympathies. Here in this beautiful college home where he gave his life service, yonder in the adjoining city where men knew his sterling worth, in this noble commonwealth of Michigan and in distant states, men will pause today in their busy world work to think tenderly of him whom we shall see no more. When a man full of years which have been crowned with service to his fellow men, relinquishes his labors and passes into the great beyond, men gather irrespective of kindred ties to pay him loving tribute.

It is not for me to recount his splendid public service as a citizen and educator.

There are those here whose acquaintanceship peculiarly fits them for such a duty. Neither is it for me to dwell upon the signal virtues and delightful amenities of his domestic life. Those who were privileged to be members of his family circle can never forget the sweet and wholesome home life to which his presence so largely ministered.

Suffice it to say that the word *service* most fitly characterizes his life. The spirit of service seemed to be his birthright, and was developed by the training of his young manhood at home and in the college at Oberlin, of which he has been an honored and loyal alumnus so many years. In his practice of medicine in the early years of his life, and in the nearly forty years of consecrated toil in Michigan Agricultural college, and in the interest which he has ever taken in the public welfare, service has been the dominating thought. More striking than book or sermon, more inspiring than speech or song to the young people of this college has been the life of this man, who like his Master, sought to be of service and went about doing good.

He looked out upon life with cheerful optimism. His philosophy of life had no tinge of pessimism. Up to the very last of his conscious moments he looked upon the bright side of life and could say, "God is in his heaven, all's well with the world." His keen sense of humor sweetened his own life and the lives of those about him.

He came to the perplexing problems of his time with a sanity that gave his opinions weight among the most thoughtful people of the land. A splendid company of young men and women have come under the molding influence of his life during these forty years of winsom, blessed labor. They rise up today in near and distant portions of the earth and call his memory blessed. Upon their hearts and minds is placed the

impress of his genial scholarly life. We miss him as an educator and a public spirited citizen, but more than all shall we miss him as a royal specimen of rugged manhood. His life was wholesome and inspiring for our sons and daughters and all the world to look upon. The greatest comfort of this hour after that of the Gospel is the memory of a strong and noble character, a life not lived in vain. He has written his name upon the affectionate hearts of hundreds of pupils. It has been written over the hearthstones of many homes, and it has been written in the making of the great state of Michigan by the contribution of his sterling character and unflagging zeal in all that makes for high living and civic righteousness.

After all, the distinguishing feature of his character was his intelligent Christian faith. He worshiped God in the temple made with hands, and in the larger temple of the world where he poured out his life freely and gladly in the service of his King.

He could say with Browning—

"I go to prove my soul;  
I see my way as birds their trackless way,  
I shall arrive, what time, what circuit first,  
I ask not; but unless God sends his hail,  
Or blinding fireballs, sleet, or stifling snow,  
In good time, His good time, I shall arrive.  
He guides me and the bird. In His good time."

No message from his life rings clearer to our hearts today than that. Without cant, without affectation, with no sound of the trumpet that he might be seen of men, he has rounded out his life of Christian service and leaves to the world its fragrant memory.

### TRIBUTE BY PRESIDENT SNYDER.

"At this late hour and after all that has been said it would seem most appropriate that I say nothing. But I owe it to his co-workers and friends to give expression, as best I can, to their feelings.

"We who have lived near to Dr. Kedzie in these latter days, who have been guided by his counsel, who have gained inspiration from his courage, who have felt the uplift of his clean, uncompromising religious life shall feel his loss most.

"He was a vital part of the College for nearly forty years. He not only saw it grow from small beginnings, but he was one of the living forces which made it grow. To the efforts of no other person, with perhaps the exception of President Abbot, does the College owe so much.

"The College was part of his life. He had no other interests than those

which centered in this institution. He worked for it; he prayed for it. Would you see his monument, walk out on the campus and look around you. He helped to make it what it is. Many were the struggles of those pioneer days. Only men of courage could then succeed.

"Dr. Kedzie was a great personality. Those who met him once never forgot him. He was a man among men. Large and strong physically, inured to hard work in early life, he built up a body which carried him through all his busy days with scarcely a break for nearly eighty years.

"He was strong intellectually but but not a genius. He earned all he got by hard work and never attempted to succeed in any other way. He did not enter upon his life work with a meagre education, but six years in college and two years in a medical school for a young man without means meant a long struggle. Young men of small brain and weak hearts cannot win in such a contest.

"He was endowed with tremendous will power. His great success in life was due more to this trait of mind than to any other. His force of character gave him the right of way where common men could not enter. His keen sense of men and conditions enabled him to choose wisely his course of action. He was not one of those who rush in where angels fear to tread. But having all the conditions well in mind, he threw all his powers into his work. He would concentrate all his energies on the point of attack until he won the victory. He lost no battles in his war against fraud and wrong. He was too wise to spend his energies in fruitless efforts, or to undertake the impossible. But what he did he did with his whole might. He was sincere, honest and feared no foe.

"But while strong in intellect and will power, his sensibilities were also of an exceptional order. He was conscientious to a marked degree. He no doubt made mistakes, but no one who knew him ever believed that he was not honest with himself. He never trifled with his conscience. Some men seemingly do things without first receiving the approval of the monitor within, not so with him. His conscience was always active and he followed its mandates implicitly.

"His affections and sympathies were strong. He loved his friends with an affection which touched the hearts of others. While strong and positive he had the sympathies and tenderness of a child. Who has not

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seen him moved to tears when others were afflicted? He was a true friend in time of need and no student ever went to him in trouble who did not come away feeling stronger and better. All the children on the campus knew him and loved him. They remember him last when a few months ago he distributed maple sugar among the little tots on faculty row. Even the squirrels on the campus will miss him. When the cold winter comes and ice and snow cut off their food supply, who will then carry them bags of nuts from town as he has done for many years.

"He never lost interest in the old boys. He knew all of the graduates at the College and hundreds who did not graduate, and followed them in their trials and triumphs with the interest of a father. While students they never got very near him. He was not a cringing sycophant. He was a manly man: he looked his students squarely in the face and spoke to them soul to soul. They had an unbounded faith in his integrity of purpose and in maturer years they have turned to him with a confidence and affection which only a truly great man can command. Only a few of the old boys are here today but from all parts of this great country have come telegrams and letters telling of their sorrow. If distance could for the time be annihilated friends by thousands and tens of thousands would be here to lay flowers on his casket and heap encomiums on the memory of the departed.

"The boast of heraldry; the pomp of power and all that wealth and all that beauty 'ere gave, these had no attractions for him. He

did not tread a pathway that leads but to the grave. His pathway led to an immortality beyond the grave; his pathway has been a shining pathway of light for these many years. Others have seen it and followed it to the higher planes of thought and living and will continue to follow on until at last they reach that blessed immortality in the full hope of which he died.

"Great soul! thou art gone; but generations yet unborn shall reap the fields which thou hast sown. Thy unselfish life and faith in God shall lead us all to nobler deeds of charity and love.

"Sleep on, thou tenement of clay, sleep on. Thou hast earned thy rest.

"Sleep, yes, sweetly sleep on, until the trumpet calls the resurrection morn."

The quartette then sang "Abide With Me," and Dr. Daniels, of Olivet college, closed the services with an impressive prayer.

At the close of the services the teaching force formed in two lines from the armory door to the hearse, and facing inward. The students also formed by classes in two lines at the west entrance through which the casket was borne for interment in Mt. Hope cemetery.

Mr. Clarence A. Dent, class of '04, died at the home of his father, Midland, Mich., last Wednesday.

Mr. Dent resumed his college work last September, much against the wishes of his parents and friends. He had been ailing for some time before his return to college, but so anxious was he to keep up with his class that he hoped each new day would strengthen him for the work.

His attendance at classes was constantly interrupted in consequence of his failing health. Nearly a month ago he was unable to leave his room, and after a few days' struggle in the dormitory he was persuaded to seek the quiet and comfort of his own home. The physicians diagnosed his case as typhoid fever. Ten days after his return home the fever left him, but his weakened physical system failed to rally, and he passed away on the evening of Nov. 6th. Mr. Dent was a quiet, unassuming, serious student, assiduous and faithful in all his duties, and obedient to every rule.

His class was represented at the funeral by Messrs. Gurney and Adelman of the mechanical course, and the faculty by Mr. Gunson.

#### ABOUT THE CAMPUS.

The apples from the college orchard are moving off rapidly at two dollars a barrel.

Miss Mary Pratt, of Middleville, is visiting her cousin, Miss Katherine McNaughton.

The College is doing extensive advertising for the special courses which begin Jan. 6th.

The Kalamazoo-M. A. C. football game did not take place Saturday because of Dr. Kedzie's death.

A College mandolin, guitar, and banjo club has been finally organized. Mr. Bruce McAlpine, '05, of Charlotte is director.

A portion of the central space in the State Capitol first floor has been assigned to M. A. C. for exhibits during the State Grange meetings.

The half-term standings have been handed in.

Several beautiful orchids are in bloom in the green house. The chrysanthemums are making a fine display. Violets and carnations are also doing well.

Instructor Michels spent Tuesday and Wednesday of last week in Keeler, Mich. to superintend the starting of a new creamery just completed at a cost of \$4,300.

The souvenir for the National Grange meeting gotten out by the Lansing Grange organization has a fine advertisement of M. A. C. Several other institutions in the state also have advertisements.

At the meeting of the State Board of Agriculture last week Hon. H. F. Marsh handed in his resignation, which was accepted. Hon. R. D. Graham of Grand Rapids, member of the Michigan legislature, was elected to his place.

Mr. A. B. Williams, Jr., with '98, Yale University, will be at M. A. C. on Nov. 14, and will address the student body of men. It will be a rare treat to listen to a Yale man, especially when such a man is in close sympathy with all phases of clean college life. After graduating from Yale, Mr. Williams traveled for a year with the Yale Mission Band, when he became Intercollegiate Secretary of the Young Men's Christian Associations of New York City. A year later he accepted a call to his present position as International Secretary of the Association for Canada and the East. Those who fail to hear Mr. Williams miss the rare opportunity to hear the student's friend.

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## MR. POST ON STEEL.

Mr. Post's lecture was fully what it was expected to be, although it could not be thoroughly appreciated except by those who have visited the large establishment of the Illinois Steel Co. To such it was practically a renewal of their trip through this place, for Mr. Post arranged his lecture in the same order in which he conducts delegations through the plant. The first part of his lecture on heat treatment of steel was interesting and of practical value. He showed photographs of minute particles of steel, many times magnified, disclosing the construction of the crystals under different conditions, such as degree of temperature, composition, and compactness of metal. Accompanying this were statistics showing the different tensile strengths due to these conditions. Especially did he emphasize the fact that if steel is too highly heated the crystals become larger with proportionate decrease of tensile strength. After this he took the audience a trip through the factory, showing photographs of all the different buildings. He also showed pictures of old buildings to indicate the great improvement made in the efficiency of the plant. Perhaps the instance in which this change is most marked is in the unloading of ore boats. These boats can now be unloaded in about three-fourths of the time formerly necessary and only about one-fourth as many men are needed, which means a great saving in the manufacture of steel. Among these photographs were shown three ore conveyors at work unloading vessels, pictures of blast furnaces, together with method of charging and discharging same, the great cantilever construction which conveys the ore about the ore yard, the various power plants about the establishment, the system of railways to convey the molten metal from place to place, the Bessemer converter, in which iron is converted into steel, the coking pits, where the cast ingots are heated to an even temperature, the rolling rooms where these huge ingots of red hot metal are shaped into steel rails, plates or any other desired form, the means of handling such heavy pieces of steel by huge magnates, and lastly the product in the complete stage.

The audience was much impressed with the magnitude of such an establishment and highly appreciated Mr. Post's efforts to make the lecture instructive as well as interesting. No one should ever fail to inspect this plant if the opportunity is presented to him, for although photographs convey quite accurately the impression intended, nothing will convey so much to our minds as is possible by seeing things with our own eyes.

In conclusion Mr. Post spoke very highly of the men at the head of our mechanical department, congratulating the students on their having such able instructors at their service.

There were about one hundred and seventy-five students present at the lecture, which is very commendable and expressive of interest in such matters.

Many thanks are due the mechanical department for arranging this lecture.

Mr. C. A. Tyler, Secretary of the Hampshire Down Registry Association, Nottawa, Mich., has sold the farm department a Hampshire Down Ram of very good quality.

The Crisis and The Merchant of Venice drew many College people to Baird's opera house last week. That the Merchant of Venice might be better appreciated, Dr. Edwards kindly gave by request an analysis of the play.

The Merchant of Venice is regarded as a comedy though having strong tragic elements. Shakespeare no doubt pandered to the people of his own times, intending Antonio to be the hero of the play. However, much of the old prejudice against the Jew has passed away and by the modern conception Shylock is the hero.

As to the presentation of the Merchant of Venice by Mr. Walker Whiteside, the general opinion seems to be that it was not up to expectations. Portia, in some parts of the play, descended to vaudeville art, and Bassanio did not enter into his part with true feeling. Mr. Whiteside, while being the best actor of the company, rather overacted his part at times.

## ALUMNI.

'89. W. S. Palmer was at M. A. C. last Wednesday. He has charge of the weather bureau at Cheyenne, Wyo. During the past summer he has been in Washington, D. C.

'95. M. G. Kains paid the college a visit last week (Nov. 6). He is temporarily employed as one of the editors of the New International Encyclopedia, published by Dodd Mead & Co., New York city. His departments are horticulture, agriculture and botany.

'97m and '99. Mr. and Mrs. Geo. Nial Eastman are now at home 114 South Austin Boulevard, Austin, Ill.

'01. H. D. Fay is located in Milwaukee, Wis., with Allis Chalmers' Co. His address is 286 First Ave.

'02. Floyd W. Owen made M. A. C. a short visit last week, stopping long enough to lunch with Maj. Vernou and to see a few friends. His career since graduation has been full of events. He is now working for the National Map Publishing Co. having been the past summer in Indianapolis, Iowa City, Iowa, and Des Moines, Iowa. After having an operation performed in Detroit for throat trouble, he will leave for Montreal from which place he will go to Boston for a time. In a few months he will be stationed in some English City as representative of the company. Mr. Owen met Rudolph, '02, in Dubuque recently, Mr. Rudolph also being employed by the same company.

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WAGENVORDE & CO.—Bookbinders, Blank-book Makers, Library and Art Bindings, Albums, Pocketbooks, Map Mountings, etc. Back numbers of magazines and periodicals supplied. Bell phone 378. 114 Washington Ave. South.

### BOOTS AND SHOES.

C. D. WOODBURY.—Boots and Shoes. We shoe the students. See ad.

### CONFECTIONERY.

ONLY the best candies at the "Sugar Bowl," Cor. Washington Ave. and Allegan.

### CLOTHING.

BUY your Dry Goods and Clothing, Hats, Caps and Furnishing Goods at H. KOSITCHEK & BRO'S, 113 Washington Ave. N., and 210 Washington Ave. S.

LOUIS BECK.—Clothier. Gents' Furnishings, Hats and Caps. 112 Washington Ave. North.

### CROCKERY AND GLASSWARE.

H. H. LARNED.—China, Glass and Lamps. 105 Washington Ave. S.

### DENTISTS.

D. E. PARMELEE—Dentist. 218 Washington Ave. S. Phones, Bell 520 office, residence 732.

J. E. STOFFER, A. B., D. D. S. Office 109 Washington Ave. S. Former M. A. C. student.

R. W. MORSE, D. D. S. Hollister Block, Room 517.

### DRUGGISTS.

ROUSER'S CAPITAL DRUG STORE. Up to date. Corner store. Opposite Hollister Block.

ROBINSON DRUG CO., successors to Alsdorf & Son, Drugs and Druggists' Sundries. 102 Washington Ave. N.

### DRY GOODS.

SIMONS DRY GOODS COMPANY.—Dry Goods and Carpets. See ad.

DONSEREAUX'S DEPARTMENT STORE is the place to trade. You can get a warm lunch in our cafe for 10c. See ad.

THE JEWETT & KNAPP STORE. Dry Goods. 222-224 Washington Ave. S.

### ELECTRICAL SUPPLIES.

CAPITOL ELECTRIC CO. Electrical Supplies. Telegraph Instruments and Telephones. 321 Wash. Ave. S.

### ALL MEATS . . .

May look alike to you, but there is a very great difference in the quality we handle and that sold by some other markets. We handle none but the very best. Like the pudding, the proof of good meats is in the eating. A trial will convince you that you ought to trade with us.

We make daily trips to the College. BOTH PHONES. Careful attention given to phone orders.

A. C. ROLLER,

Successor to GOTTLIEB REUTER, Washington Ave. South.

### FURNISHING GOODS.

ELGIN MIFFLIN.—Ladies' and Gentlemen's Furnishing Goods. See ad.

### FURNITURE DEALERS.

M. J. & B. M. BUCK.—Furniture. Cor. Washington Avenue and Ionia Street. See ad.

### HACK AND BAGGAGE LINES.

ORDER your hacks for parties at Carr's Hack Line. Livery in connection. 410 Washington Ave. N.

### HARDWARE, STOVES AND TINWARE.

NORTON'S HARDWARE—General Hardware, Stoves, Tinware, Graniteware, Cutlery, etc. 111 Washington Ave. South. See ad.

### INSURANCE.

THE DYER-JENISON-BARRY CO., LTD., (Incorporated) Hollister Block. All kinds of the best insurance. Strongest agency in city.

### JEWELERS.

CHAS. A. PIELLA, Jeweler and Optician. 121 Washington Ave. N., Lansing, Mich.

### MANICURE AND HAIRDRESSING.

MRS. O. T. CASE—Manicure and Hairdressing Parlors. Masquerade wigs for rent. Switches made of cut hair or combings. New 'phone 118. 222½ Washington Avenue S., up stairs.

### MERCHANT TAILORS.

WOODBURY & SAVAGE.—Tailors. Student trade solicited. Opposite Hotel Downey, North.

JOHN HERRMANN'S SONS. 218 Washington Avenue N.

### MUSIC, PIANOS, ETC.

THE POST MUSIC CO. Pianos, Organs and everything in the line of music. 219 Washington Ave. N.

### OCULISTS.

JOSEPH FOSTER, M. D.—Eye, Ear, Nose and Throat. Hours 9 to 12 A. M., 2 to 4 p. m. Corner Allegan St. and Capitol Ave.

CHAS. G. JENKINS, M. D.—Diseases of Eye, Ear, Nose and Throat. Hours, 9 to 12 a. m., and 2 to 5 p. m. Citizens Phone No. 1030. 224 Washington Ave. South.

### PHOTOGRAPHS.

C. E. WALTER, M. A. C. I make Photographs; Landscapes, Buildings, Interiors, Flash-lights, Lantern Slides, Transparencies, Medallions and Stereoscopic Views. Developing and Printing for Amateurs. Views for sale.

### PHYSICIANS.

A. D. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 419 Seymour St.

J. W. HAGADORN, M. D.—Office hours, 11 to 12 A. M., 2 to 4 and 7 to 8 P. M. Office at 212 Washington Avenue S.; home 219 Capitol Ave.

### PLUMBERS.

SHIELDS & LEADLEY. Plumbing and Heating. 300 Wash. Ave. N., Lansing. Both Phones.

### SPORTING GOODS.

J. H. LARRABEE. Base Ball Goods, Foot Ball Goods, Tennis, Golf, Guns, Ammunition and Fishing Tackle. 325 Wash. Ave. S.