

**TWELFTH BIENNIAL REPORT**

[No. 23 IN SERIES.]

OF

**THE BOARD OF REGENTS**

OF THE

**UNIVERSITY OF MINNESOTA**

**TO THE GOVERNOR**

FOR THE

**FISCAL YEARS 1901 AND 1902 ENDING JULY 31ST.**

---

**TRANSMITTED TO THE LEGISLATURE AT THE THIRTY-THIRD  
(TWELFTH BIENNIAL) SESSION, 1903.**

---

**ST. PAUL, MINN.:  
THE PIONEER PRESS COMPANY,  
STATE PRINTERS,  
1902.**

UNIVERSITY OF MINNESOTA,  
OFFICE OF THE BOARD OF REGENTS,  
Minneapolis, Dec. 9, 1902.

*To His Excellency Samuel R. Van Sant, Governor of Minnesota,*

SIR: I have the honor, in behalf of the Board of Regents, to submit herewith the twelfth biennial report of the Board of Regents of the University of Minnesota, for the two years ending July 31, 1902.

Very respectfully, your obedient servant,  
GREENLEAF CLARK,  
*President.*

TWELFTH BIENNIAL REPORT  
OF THE  
BOARD OF REGENTS  
OF THE  
UNIVERSITY OF MINNESOTA.

---

The report of the Board of Regents of the University of Minnesota for the last biennial period differs but little from former reports in its most prominent feature, viz.: the constantly increasing and accelerated growth of the institution. It is a source of great satisfaction to the board, and solace for its labors, and ground for earnest and sincere congratulation to the state, that so many of its youth are availing themselves of its privileges and the preparation thus afforded them for more useful and influential lives. Reference to the table hereinafter contained shows the total attendance for the last three academic years, ending respectively July 31, 1900, 1901 and 1902, to be as follows: for the year ending July 31, 1900, 2,329 men and 907 women, total 3,236; for the year ending July 31, 1901, 2,417 men and 996 women, total 3,413, an increase over the last preceding year of  $5\frac{1}{2}$  per cent; for the year ending July 31, 1902, 2,614 men and 1,042 women, total 3,656, an increase over the last preceding year of 7 per cent. It may be safely estimated that the attendance in the current year will be at least 5 per cent over the last preceding year, which would make the attendance for the current year 3,838. The increase in attendance from the year 1901, when the last legislative appropriations were made, to the estimated attendance for the current year is about  $11\frac{1}{4}$  per cent. It is quite apparent from this statement that the duty is laid upon the management of representing to you, and through you to the legis-

lature, the need of additional means in order that the University may go on with its work and mission without serious impairment. The rapid increase in attendance necessitates more room, more laboratories, more equipment, more professors and instructors, and, in a word, more provision for its support and maintenance. If the number of the youths who present themselves at the University and the Agricultural School for their benefits still goes on increasing, which is probable, and the State desires that the youths who so present themselves shall be properly cared for and instructed, which is more than probable, then the need that increasing means be provided for the purpose is imperative. There is but little room for any attempt by the management to introduce any further economies. The greater part of the expenditures for current expenses is for salaries, and the Board is thoroughly convinced that no reduction in the scale of salaries is practicable. Indeed it is becoming more and more apparent that, if the institution is to be kept up to its present standard of strength and usefulness, there is likelihood of the necessity of an increase of salaries in some cases, to prevent the institution being deprived of its most accomplished and useful men by their call, at higher salaries, to other institutions. And in this connection it is pertinent to add that it is believed that the University of Minnesota is conducted for a less amount of money than any of the other large institutions of the country in proportion to the number of students, and for very much less than many of them. Attention is called to some comparisons with other institutions in this respect in the report of the President of the University to the Board of Regents.

The following pages will, in compliance with the law, show the administrative and executive officers, the faculty instructors and aids, the attendance in each department for the last three years, the receipts into and disbursements from the current expense account in the last two years, the expenditure of the special appropriations, and will, in obedience to law, lay before you the condition and needs of the University and its several departments.

# ADMINISTRATIVE OFFICERS.

## THE BOARD OF REGENTS.

	Term Expires.
The HON. GREENLEAF CLARK, M. A., St. Paul, President of the Board.	1904
CYRUS NORTHROP, LL. D., Minneapolis, The President of the University.	Ex-Officio
The HON. SAMUEL R. VAN SANT, Winona, The Governor of the State.	Ex-Officio
The HON. JOHN W. OLSEN, Albert Lea, The State Superintendent of Public Instruction.	Ex-Officio
The HON. ELMER E. ADAMS, B. A., Fergus Falls,	1903
The HON. THOMAS WILSON, St. Paul.	1903
The HON. WILLIAM M. LIGGETT, Benson,	1903
The Hon. A. E. RICE, Willmar,	1903
The HON. THEODORE L. SCHURMEIER, St. Paul,	1904
The HON. STEPHEN MAHONEY, B. A., Minneapolis, Secretary of the Board.	1907
The HON. O. C. STRICKLER, M. D., New Ulm,	1907
The HON. JAMES T. WYMAN, Minneapolis,	1907

## STANDING COMMITTEES OF THE BOARD OF REGENTS.

EXECUTIVE—Regents Clark, Mahoney, Northrop, Liggett and Wyman.  
 AGRICULTURE—Regents Liggett, Adams, Rice, Wyman and Schurmeier.  
 MEDICAL DEPARTMENT—Regents Mahoney, Strickler, Olsen, Schurmeier and Adams.  
 LAW DEPARTMENT—Regents Rice, Clark and Wilson.  
 GROUNDS, BUILDINGS AND EQUIPMENT—Regents Wyman, Northrop, Liggett, Schurmeier and Van Sant.  
 GEOLOGICAL AND NATURAL HISTORY SURVEY—Regents Liggett, Rice, Olsen, Van Sant and Clark.  
 GENERAL FACULTY AND CURRICULUM—Regents Northrop, Van Sant, Wilson, Strickler and Adams.  
 COLLEGE OF SCIENCE, LITERATURE AND THE ARTS—Regents Adams, Strickler and Olsen.  
 SALARIES—Regents Wilson, Strickler and Wyman.

## EXECUTIVE OFFICERS.

### THE UNIVERSITY.

CYRUS NORTHROP, LL. D., President.  
 E. BIRD JOHNSON, B. S., Registrar.  
 D. W. SPRAGUE, Accountant.

### THE COLLEGES.

WILLIAM M. LIGGETT, Dean of Department of Agriculture.  
 WILLIAM S. PATTEE, LL. D., Dean of the College of Law.  
 PARKS RITCHIE, M. D., Dean of the College of Medicine and Surgery.

ALONZO P. WILLIAMSON, LL. B., M. D., Dean of the College of Homeopathic Medicine and Surgery.  
FRED S. JONES, M. A., Dean of the College of Engineering.  
WILLIAM P. DICKINSON, D. D. S., Dean of the College of Dentistry.  
FREDERICK J. WULLING, Phm. D., Dean of the College of Pharmacy.  
WILLIAM R. APPLEBY, M. A., Dean of the School of Mines.  
FREDERICK D. TUCKER, B. A., Principal of the School of Agriculture.  
WILLIAM P. DICKINSON, D. D. S., Dean of the College of Dentistry.

## LIBRARIES AND MUSEUMS.

WILLIAM WATTS FOLWELL, LL. D., Librarian.  
LETTIE M. CRAFTS, B. L., Assistant Librarian.  
INA FIRKINS, B. L., Library Assistant.  
ANNA L. GUTHRIE, B. A., Library Assistant.  
MARY S. McINTYRE, B. S., Librarian of School of Agriculture.  
THOMAS G. LEE, M. D., Librarian of Department of Medicine.  
WILLIAM FURST, B. S., Librarian of the College of Law.  
CHRISTOPHER W. HALL, M. A., Assistant Curator, Geological Museum.  
HENRY F. NACHTRIEB, B. A., Curator of the Zoölogical Museum.  
ALLEN W. GUILD, Superintendent of Buildings.

# FACULTY AND INSTRUCTORS.

## THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

### THE FACULTY.

- CYRUS NORTHROP, LL. D., President.  
WILLIAM W. FOLWELL, LL. D., Professor of Political Science.  
JABEZ BROOKS, D. D., Senior Professor of Greek.  
CHARLES N. HEWETT, M. D., Professor of Sanitary Science.  
JOHN G. MOORE, B. A., Professor of German.  
CHRISTOPHER W. HALL, M. A., Professor of Geology and Mineralogy.  
JOHN C. HUTCHINSON, B. A., Professor of Greek.  
JOHN S. CLARK, B. A., Professor of Latin.  
JOHN F. DOWNEY, M. A., C. E., Professor of Mathematics.  
MARIA L. SANFORD, Professor of Rhetoric and Elocution.  
CHARLES W. BENTON, M. A., Litt. D., Professor of French.  
HENRY F. NACHTRIEB, B. S., Professor of Animal Biology.  
FREDERICK S. JONES, M. A., Professor of Physics.  
CONWAY MacMILLAN, M. A., Professor of Botany.  
FREDERICK J. E. WOODBRIDGE, M. A., Professor of Philosophy.  
WILLIS M. WEST, M. A., Professor of History.  
GEORGE F. JAMES, LL. D., Professor of Pedagogy.  
GEORGE B. FRANKFORTER, M. A., Ph. D., Professor of Chemistry.  
JAMES RICHARD JEWETT, Ph. D., Weyerhaeuser Professor of Semitic Languages and History.  
FRANCIS P. LEAVENWORTH, M. A., Professor of Astronomy and Director of the Observatory.  
RICHARD BURTON, Ph. D., Professor of English.  
FREDERICK KLAEBER, Ph. D., Professor of Comparative and English Philology.  
JOSEPH BROWN PIKE, M. A., Professor of Latin.  
JOHN S. CARLSON, Ph. D., Professor of Scandinavian Languages and Literature.  
CHARLES P. SIGERFOOS, Ph. D., Professor of Zoölogy.  
FRANK L. McVEY, Ph. D., Professor of Private Economics.  
JOHN ZELENY, B. S., B. A., Associate Professor of Physics.  
SAMUEL G. SMITH, Ph. D., LL. D., Professor of Sociology.  
HENRY L. WILLIAMS, M. D., Director of Athletics.  
MATILDA J. WILKIN, M. L., Assistant Professor of German.  
CHARLES F. SIDENER, B. S., Assistant Professor of Chemistry.  
EDWARD EUGENE McDERMOTT, M. S., Assistant Professor of Rhetoric and Elocution.  
WILLIAM H. KIRCHNER, B. S., Assistant Professor of Drawing.  
CHARLES F. McCLUMPHA, Ph. D., Assistant Professor of English Literature.  
EDWARD E. NICHOLSON, M. A., Assistant Professor of Chemistry.  
LOUIS J. COOKE, M. D., Director of Gymnasium.  
FRANK M. ANDERSON, M. A., Assistant Professor of History.  
NORMAN WILDE, Ph. D., Assistant Professor of Philosophy.

CARL SCHLENKER, B. A., Assistant Professor of German.  
 ALBERT B. WHITE, Ph. D., Assistant Professor of History.  
 HAYDN S. COLE, 1st Lieutenant U. S. A., Military Science and Tactics.

## INSTRUCTORS.

GEORGE N. BAUER, Ph. D., Mathematics.  
 FREDERICK E. BECKMAN, Ph. D., Spanish and French.  
 CHARLES P. BERKEY, Ph. D., Mineralogy.  
 JOHN F. BERNHAGEN, B. S., Military Science.  
 GILBERT AMES BLISS, Ph. D., Mathematics.  
 ANNA M. BUTNER, Physical Culture.  
 HENRIETTA CLOPATH, Drawing.  
 ADA L. COMSTOCK, M. A., Rhetoric.  
 HENRY A. ERIKSON, B. E. E., Physics.  
 OSCAR W. FIRKINS, M. A., Rhetoric.  
 HARLOW S. GALE, B. A., Psychology.  
 JOHN E. GRANRUD, Ph. D., Latin.  
 EVERHART P. HARDING, Ph. D., Chemistry.  
 JANE KENNEDY, M. D., Medical Examiner for Women.  
 MARCO F. LIBERMA, B. A., French.  
 JENNINGS C. LITZENBERG, B. S., M. D., Gymnastics.  
 HAROLD L. LYON, B. S., Botany.  
 HOPE McDONALD, M. S., History.  
 ELIZABETH MAY NORRIS, Drawing.  
 OSCAR W. OESTLUND, M. A., Animal Biology.  
 LEVI B. PEASE, M. S., Chemistry.  
 MARY G. PECK, M. A., English.  
 FRANCES B. POTTER, M. A., English.  
 C. OTTO ROSENDAHL, B. S., Botany.  
 EDWARD P. SANFORD, B. A., Rhetoric.  
 FREDERICK W. SARDESON, Ph. D., Paleontology.  
 CHARLES A. SAVAGE, B. A., Latin.  
 WILLIAM A. SCHAPER, Ph. D., Political Science.  
 WALDEMAR SCHULZ, Ph. D., German.  
 JOSEPHINE E. TILDEN, M. S., Cryptogamic Botany.  
 CLAIRE C. WATERS, French.  
 ANTHONY ZELENY, M. S., Physics.

## SCHOLARS AND ASSISTANTS.

ARNE O. AABERG, B. A., Pedagogy.  
 MARGUERITE BARBOUR, Physical Culture.  
 R. C. BENNER, Chemistry.  
 CHARLES J. BRAND, Botany.  
 ETHEL C. BRILL, B. L., Philosophy.  
 OSCAR C. BURKHARDT, B. A., German.  
 HELEN E. CAMP, History.  
 HANS H. DALAKER, Mathematics.  
 HAL DOWNEY, Animal Biology.  
 ROY Y. FERNER, B. A., Astronomy and Mathematics.  
 FRANK GROUT, Chemistry.  
 E. E. HEMENWAY, B. A., Animal Biology.  
 MAX N. LANDO, Chemistry.  
 LINDA H. MALEY, B. L., Rhetoric.  
 ELLA C. RUSCOE, Rhetoric.  
 ANTON R. ROSE, Chemistry.  
 HERMAN SCHRADER, Botany.  
 JESSIE L. SCHULTEN, Rhetoric.  
 DAVID F. SWENSON, B. S., Philosophy.



## THE COLLEGE OF ENGINEERING AND THE MECHANIC ARTS.

### THE FACULTY.

CYRUS NORTHROP, LL. D., President.

#### OFFICERS OF THE DEPARTMENT OF CIVIL ENGINEERING.

WILLIAM R. HOAG, C. E., Professor of Civil Engineering, in charge of  
Road and Sanitary Engineering.  
FRANK H. CONSTANT, C. E., Professor of Structural Engineering.  
FREDERICK H. BASS, C. E., Scholar in Civil Engineering.

#### OFFICERS OF THE DEPARTMENT OF MECHANICAL ENGINEERING.

JOHN J. FLATHER, Ph. B., M. M. E., Professor of Mechanical Engineering.  
WILLIAM H. KAVANAUGH, M. E., Instructor in Mechanical Engineering,  
in charge of Experimental Engineering.  
C. COLEMAN JETT, B. M. E., Instructor in Machine Design and Drawing.  
WILLIAM H. MERRIMAN, Instructor in Machine Work.  
JAMES M. TATE, Instructor in Carpentry, Pattern and Foundry Practice.  
MARTIN E. ANDERSON, E. E., Student Assistant in Laboratory.  
BENJAMIN GARBETT, Assistant in Foundry.  
HARRY C. GILMOUR, Assistant in Carpentry.  
GEORGE PLOWMAN, Assistant in Forge Shop.  
GUY L. CAMPBELL, Machinist.  
HARRY W. DIXON, Engineer.

#### OFFICERS OF THE DEPARTMENT OF ELECTRICAL ENGINEERING.

GEORGE SHEPARDSON, A. M., M. E., Professor of Electrical Engineering.  
FRANK W. SPRINGER, E. E., Assistant Professor of Electrical Engineering.

#### OFFICERS OF THE DEPARTMENTS OF ENGINEERING AND MECHANICS AND MATHEMATICS.

HENRY T. EDDY, C. E., Ph. D., LL. D., Professor of Engineering and Me-  
chanics.  
ARTHUR EDWIN HAYNES, M. S., M. Ph., Sc. D., Professor of Engineering  
Mathematics.  
WILLIAM E. BROOKE, B. C. E., M. A., Instructor in Engineering Mathe-  
matics.

#### OFFICERS OF THE DEPARTMENT OF PHYSICS.

FREDERICK S. JONES, M. A., Professor of Physics.  
JOHN ZELENY, B. S., B. A., Associate Professor of Physics.  
ANTHONY ZELENY, M. S., Instructor in Physics.  
HENRY A. ERIKSON, B. E. E., Instructor in Physics.

#### OFFICERS OF THE DEPARTMENT OF CHEMISTRY.

GEORGE B. FRANKFORTER, M. A., Ph. D., Professor of Chemistry.  
CHARLES F. SIDENER, B. S., Assistant Professor of Chemistry.  
EDWARD E. NICHOLSON, M. A., Assistant Professor of Chemistry.

## OFFICERS OF THE DEPARTMENT OF DRAWING AND INDUSTRIAL ART.

WILLIAM H. KIRCHNER, B. S., Assistant Professor of Drawing.  
 NELLIE S. TRUFANT, Instructor in Drawing.  
 HENRIETTA CLOPATH, Instructor in Freehand Drawing.  
 ELIZABETH M. NORRIS, Instructor in Freehand Drawing.

## OFFICERS OF THE DEPARTMENT OF POLITICAL SCIENCE.

WILLIAM W. FOLWELL, LL. D., Professor of Political Science.  
 FRANK L. McVEY, Ph. D., Professor of Private Economics.  
 WILLIAM A. SCHAPER, Ph. D., Instructor in Political Science.

## OTHER DEPARTMENTS GIVING INSTRUCTION.

CHRISTOPHER W. HALL, M. A., Professor of Geology and Mineralogy.  
 CHARLES P. BERKEY, Ph. D., Instructor in Mineralogy.  
 JOHN G. MOORE, B. A., Professor of German.  
 CHARLES W. BENTON, Litt. D., Professor of French.  
 HAYDN S. COLE, Lieut. U. S. A., Instructor in Military Science.  
 FRANCIS P. LEAVENWORTH, M. A., Professor of Astronomy.  
 WILLIAM S. PATTEE, LL. D., Lecturer on Contracts and Torts.

## THE SCHOOL OF MINES.

## THE FACULTY.

CYRUS NORTHROP, LL. D., President.

## OFFICERS OF THE DEPARTMENTS OF MINING AND METALLURGY.

WILLIAM R. APPLEBY, M. A., Dean and Professor of Metallurgy.  
 CHARLES E. VAN BARNEVELD, B. A. Sc., E. M., Professor of Mining Engineering.  
 PETER CHRISTIANSON, B. S., E. M., Instructor in Metallurgy.  
 BENJAMIN F. GROAT, Assistant Professor of Mathematics and Mechanics.  
 EDWARD P. McCARTY, E. M., Instructor in Mining.

## OFFICERS OF THE DEPARTMENT OF GEOLOGY AND MINERALOGY.

CHRISTOPHER W. HALL, M. A., Professor of Mineralogy and Geology.  
 CHARLES P. BERKEY, Ph. D., Instructor in Mineralogy.

## OFFICERS OF THE DEPARTMENT OF CHEMISTRY.

GEORGE B. FRANKFORTER, Ph. D., Professor of Chemistry.  
 CHARLES F. SIDENER, B. S., Assistant Professor of Chemistry.  
 EDWARD E. NICHOLSON, M. A., Assistant Professor of Chemistry.

## OFFICERS OF THE DEPARTMENT OF ELECTRICAL ENGINEERING.

GEORGE D. SHEPHARDSON, M. A., M. E., Professor of Electrical Engineering.  
 FRANK W. SPRINGER, E. E., Assistant Professor of Electrical Engineering.

## OFFICERS OF THE DEPARTMENT OF MECHANICAL ENGINEERING.

JOHN J. FLATHER, Ph. B., M. E., Professor of Mechanical Engineering.  
 WILLIAM H. KAVANAUGH, M. E., Instructor in Mechanical Engineering.

## OFFICERS OF OTHER DEPARTMENTS GIVING INSTRUCTION.

FREDERICK S. JONES, M. A., Professor of Physics.  
 WILLIAM H. KIRCHNER, B. S., Assistant Professor of Drawing.  
 JOHN ZELENY, B. S., B. A., Res., Associate Professor of Physics.

---

 THE COLLEGE OF AGRICULTURE.

## THE FACULTY.

CYRUS NORTHROP, LL. D., President.  
 WM. M. LIGGETT, Dean.  
 SAMUEL B. GREEN, B. S., Professor of Horticulture and Forestry.  
 HARRY SNYDER, B. S., Professor of Agricultural Chemistry.  
 T. L. HAECKER, Professor of Dairy Husbandry.  
 M. H. REYNOLDS, M. D., V. M., Professor of Veterinary Medicine and Surgery.  
 WILLET M. HAYES, M. Agr., Professor of Agriculture.  
 ANDREW BOSS, Associate Professor of Agriculture, in charge of Live Stock.  
 VIRGINIA C. MEREDITH, Professor of Home Economics.  
 JUNIATA L. SHEPPERD, Household Science.  
 FREDERICK L. WASHBURN, M. A., Professor of Entomology.  
 FREDERICK D. TUCKER, B. A., Principal School of Agriculture.  
 COATES P. BULL, B. Agr., Assistant in Agriculture.

---

 THE SCHOOL OF AGRICULTURE.

## THE FACULTY.

CYRUS NORTHROP, LL. D., President.  
 WILLIAM M. LIGGETT, Dean.  
 FREDERICK D. TUCKER, B. A., Principal, Mathematics, General History, Economics.  
 SAMUEL B. GREEN, B. S., Horticulture, Forestry.  
 CHARLES R. ALDRICH, Drawing, Farm Buildings.  
 WILLIAM ROBERTSON, B. S., Agricultural Physics.  
 J. A. VYE, Penmanship, Accounts.  
 HARRY SNYDER, B. S., Agricultural Chemistry.  
 T. L. HAECKER, Dairy Husbandry.  
 M. H. REYNOLDS, M. D., V. M., Comparative Physiology, Veterinary Science.  
 WILLET M. HAYS, M. Agr., Agriculture.  
 THOMAS SHAW, Lecturer, Live Stock.  
 J. M. DREW, Blacksmithing, Poultry.  
 ANDREW BOSS, Animal Husbandry.

WILLIAM BOSS, Carpentry, Power Machinery.  
 E. W. MAHOOD, M. A., Algebra, Civics, and Director of Gymnasium.  
 JUNIATA L. SHEPPERD, M. A., Cooking, Laundering.  
 MARGARET BLAIR, Sewing.  
 VIRGINIA C. MEREDITH, Preceptress, Home Economics.  
 CHAS. F. KEYES, A. B., Registrar, Geography, U. S. History.  
 SOPHIE L. PENDERGAST, B. L., English (resigned).  
 HAYDEN S. COLE, 1st Lieutenant U. S. A., Military Science.  
 WILLIAM A. WHEELER, B. Agr., Agricultural Botany.  
 FREDERICK L. WASHBURN, M. A., Zoölogy, Entomology.  
 CATHERINE COMFORT, B. L., English.

#### ASSISTANT INSTRUCTORS.

ROGER S. MACKINTOSH, Horticulture.  
 ERNEST W. MAJOR, B. Agr., Dairying.  
 JOHN A. HUMMEL, B. Agr., Agricultural Chemistry.  
 MARY A. BULL, Cooking, Laundering.  
 ARTHUR C. KOERNER, Music.  
 GRACE L. WHITRIDGE, Physical Training.  
 CLARENCE B. RANDALL, Drawing, Farm Buildings.  
 D. A. GAUMNITZ, Dressing and Curing Meats.  
 COATES P. BULL, B. Agr., Agriculture, Rural Engineering.  
 MARY S. McINTYRE, B. S., Librarian.

When applying for admission or information, address Frederick D. Tucker, Principal, St. Anthony Park, Minn.

### DAIRY SCHOOL.

#### THE FACULTY.

CYRUS NORTHROP, LL. D., President.  
 WILLIAM M. LIGGETT, Dean.  
 T. L. HAECKER, Professor of Dairy Husbandry.  
 HARRY SNYDER, B. S., Dairy Chemistry.  
 \_\_\_\_\_, Bacteria in Dairy Products.  
 W. M. HAYS, M. Agr., Forage and Pastures.  
 M. H. REYNOLDS, M. D., V. M., Diseases of the Dairy Cow.  
 J. A. VYE, Creamery Records and Accounts.  
 WM. ROBERTSON, B. S., Care of Boiler and Engine.  
 C. R. ALDRICH, Dairy Buildings.  
 J. M. DREW, Silo and Stable Conveniences.  
 B. D. WHITE, Instructor in Creamery Management.  
 A. W. PARKIN, Instructor in Cheese Making.  
 WM. BOSS, Instructor in Practical Engineering.  
 H. L. SONDERGAARD, Assistant Instructor in Butter Making.  
 SAMUEL HAUGDAHL, Instructor in Cultures and Starters.  
 JACOB LEHNHERR, Instructor in Sweet Curd Cheese Work.  
 E. W. MAJOR, B. Agr., Instructor in Dairy Laboratory.  
 \_\_\_\_\_, Assistant in Dairy Laboratory.

## SHORT COURSE FOR FARMERS.

## THE FACULTY.

WM. M. LIGGETT, Dean.  
 SAMUEL B. GREEN, B. S., Horticulture, Forestry.  
 J. A. VYE, Business Hints.  
 HARRY SNYDER, B. S., Agricultural Chemistry.  
 T. L. HAECKER, Dairy Husbandry.  
 M. H. REYNOLDS, M. D., V. M., Veterinary Science.  
 W. M. HAYS, M. Agr., Agriculture.  
 THOMAS SHAW, Live Stock.  
 J. M. DREW, Poultry, Workshop Hints.  
 A. BOSS, Dressing and Curing Meats.  
 WM. BOSS, Farm Mechanics.  
 W. A. WHEELER, B. Agr., Fungus Diseases.  
 F. L. WASHBURN, M. A., Insect Enemies.  
 January 6th to February 28th, 1903.

## THE AGRICULTURAL EXPERIMENT STATION.

## OFFICERS OF THE STATION.

WM. M. LIGGETT, Director.  
 WILLET M. HAYES, M. Agr., Agriculturist.  
 SAMUEL B. GREEN, B. S., Horticulturist.  
 OTTO LUGGER, Ph. D., Entomologist and Botanist (deceased).  
 HARRY SNYDER, B. S., Chemist.  
 T. L. HAECKER, Dairy Husbandry.  
 M. H. REYNOLDS, M. D., V. M., Veterinarian.  
 THOMAS SHAW, Animal Industry (resigned).  
 FREDERICK L. WASHBURN, M. A., Entomologist.  
 ANDREW BOSS, Associate in Agriculture, in charge of Live Stock.  
 T. A. HOVERSTAD, B. Agr., Superintendent Sub-station, Crookston.  
 R. S. MACKINTOSH, Assistant in Horticulture, University Farm.  
 HERMAN H. CHAPMAN, B. S., Superintendent Sub-station, Grand Rapids.  
 E. W. MAJOR, B. Agr., Assistant in Dairy Husbandry.  
 J. A. HUMMEL, B. Agr., Assistant Chemist.  
 COATES P. BULL, B. Agr., Assistant in Agriculture, Rural Engineering.  
 J. A. VYE, Secretary.

## THE COLLEGE OF LAW.

## THE FACULTY.

CYRUS NORTHROP, LL. D., President.  
 WILLIAM S. PATTEE, LL. D., Dean and Professor of Law. Equity and International Law.  
 A. C. HICKMAN, A. M., LL. B., Professor of Law. Pleading and Practice.  
 JAMES PAIGE, A. M., LL. M., Professor of Law. Torts and Criminal Law.

EDWIN A. JAGGARD, A. M., LL. B., of the Ramsey County Bench. Taxation.  
 HENRY J. FLETCHER, ESQ., of the Hennepin County Bar. Contracts and Real Property.  
 HOWARD S. ABBOTT, B. L., of the Hennepin County Bar. Corporations.  
 ROBERT S. KOLLINER, LL. B., of the Hennepin County Bar. Personal Property.

## LECTURERS.

GEORGE B. YOUNG, LL. B., St. Paul, Minn., (Ex-Associate Justice of the State of Minnesota.) Conflict of Laws.  
 HON. JAMES O. PIERCE, Minneapolis, Minn., (Ex-Judge of the Circuit Court of Memphis, Tenn.) Constitutional Jurisprudence and History.  
 HON. C. D. O'BRIEN, St. Paul, Minn. Criminal Procedure.  
 HON. JOHN DAY SMITH, LL. M., Minneapolis, Minn. American Constitutional Law.  
 HON. HERBERT R. SPENCER, Duluth, Minn. Admiralty Law.  
 JOHN COCHRANE SWEET, LL. M., Minneapolis, Minn. Mortgage Foreclosure.  
 JARED HOW, LL. B., St. Paul, Minn. Landlord and Tenant.  
 RANSOM J. POWELL, LL. M. Instructor in Justice Practice.

## COLLEGE OF MEDICINE AND SURGERY.

## THE FACULTY.

CYRUS NORTROP, LL. D., President.  
 PARKS RITCHIE, M. D., Dean and Professor of Obstetrics.  
 CHARLES A. WHEATON, M. D., Emeritus Professor of Surgery.  
 THOMAS G. LEE, B. S., M. D., Professor of Histology and Embryology and Librarian.  
 CHARLES A. ERDMANN, M. D., Professor of Anatomy.  
 RICHARD OLDING BEARD, M. D., Secretary and Professor of Physiology.  
 CHARLES JOHN BELL, B. A., Professor of Chemistry.  
 HENRY MARTYN BRACKEN, M. D., L. R. C. S., Edin., Professor of Materia Medica and Therapeutics.  
 FRANK FAIRCHILD WESBROOK, M. A., M. D., C. M., Professor of Pathology and Bacteriology.  
 CHARLES H. HUNTER, A. M., M. D., Professor of Theory and Practice of Medicine.  
 EVERTON J. ABBOTT, A. B., M. D., Associate Professor of Practice and Professor of Clinical Medicine.  
 J. W. BELL, M. D., Professor of Physical Diagnosis and Clinical Medicine.  
 CHARLES LYMAN GREENE, M. D., Clinical Professor of Medicine and Physical Diagnosis.  
 HENRY L. STAPLES, A. M., M. D., Professor of Clinical Medicine.  
 JAMES H. DUNN, M. D., Professor of Surgery.  
 FREDERICK A. DUNSMOOR, M. D., Professor of Operative and Clinical Surgery.  
 JAMES E. MOORE, M. D., Professor of Clinical Surgery.  
 J. CLARK STEWART, B. S., M. D., Professor of Principles of Surgery.  
 JUSTUS OHAGE, M. D., Professor of Clinical Surgery.  
 JOHN T. ROGERS, M. D., Professor of Clinical Surgery.  
 ARTHUR J. GILLETTE, M. D., Professor of Orthopedic Surgery.

A. B. CATES, A. M., M. D., Professor of Obstetrics.  
 ALEX J. STONE, M. D., LL. D., Professor of Diseases of Women.  
 AMOS W. ABBOTT, M. D., Clinical Professor of Diseases of Women.  
 A. McLAREN, A. B., M. D., Clinical Professor of Diseases of Women.  
 JOHN F. FULTON, Ph., D., M. D., Professor of Ophthalmology and Otology.  
 FRANK C. TODD, M. D., Clinical Professor of Ophthalmology and Otology.  
 C. EUGENE RIGGS, A. M., M. D., Professor of Nervous and Mental Diseases.  
 W. A. JONES, M. D., Clinical Professor of Nervous and Mental Diseases.  
 THOS. S. ROBERTS, M. D., Professor of Diseases of Children.  
 MAX P. VANDER HORCK, M. D. Professor of Diseases of the Skin and of the Genitor-urinary System.  
 W. S. LATON, M. D., Professor of Diseases of the Nose and Throat.  
 ARTHUR SWEENEY, M. D., Professor of Medical Jurisprudence.  
 J. E. SCHADLE, M. D., Clinical Professor of Diseases of the Nose and Throat.

## CORPS OF CLINICAL PROFESSORS AND INSTRUCTORS.

BURNSIDE FOSTER, M. A., M. D., Clinical Professor of Diseases of the Skin and Lecturer upon History of Medicine.  
 JAMES T. CHRISTISON, M. D., Clinical Professor of Diseases of Children.  
 C. NOTHNAGEL, M. D., Clinical Professor of Medicine.  
 HERBERT W. DAVIS, M. D., Clinical Instructor in Obstetrics.  
 GEORGE M. COON, M. D., Clinical Instructor in Genito-Urinary Diseases.  
 L. A. NIPPERT, M. D., Clinical Instructor in Medicine.  
 ANDREW M. HENDERSON, M. D., Clinical Instructor in Medicine.  
 J. L. ROTHROCK, M. D., Clinical Instructor in Pathology.  
 L. B. WILSON, M. D., Senior Demonstrator in Pathology.  
 S. M. WHITE, B. S., M. D., Assistant Professor of Pathology and Bacteriology.  
 WM. M. CHOWNING, B. A., M. D., Junior Demonstrator of Pathology and Bacteriology.  
 GEORGE D. HEAD, B. S., M. D., Instructor in Pathology and Clinical Microscope.  
 H. C. CAREL, B. S., Assistant Professor of Chemistry.  
 WINFIELD S. NICKERSON, Sc. D., Assistant Professor of Histology.  
 MARGARET L. NICKERSON, M. A., Instructor in Histology.  
 M. RUSSELL WILCOX, M. D., Demonstrator in Physiology.  
 ELEANOR M. WILKINSON, Instructor in Physiology and Dietetics.  
 J. WARREN LITTLE, M. D., Clinical Instructor in Surgery.  
 GEO. E. SENKLER, M. D., Clinical Instructor in Physical Diagnosis.  
 A. W. DUNNING, M. D., Clinical Instructor in Nervous and Mental Diseases.  
 FREDERICK LEAVITT, M. D., Clinical Instructor in Obstetrics.  
 R. E. CUTTS, B. S., M. D., Clinical Instructor in Gynecology (deceased).  
 A. E. BENJAMIN, M. D., Clinical Instructor in Gynecology.  
 HALDOR SNEVE, M. D., Lecturer in Mechano-Therapy.  
 H. K. READ, M. D., Demonstrator of Anatomy.  
 F. A. KIEHLE, A. B., M. D., Instructor in Medical Latin.

## CLINICAL AND LABORATORY ASSISTANTS.

J. P. BARBER, M. D., Assistant in Diseases of Children.  
 F. R. WRIGHT, M. D., Assistant in Surgery and Dermatology.  
 A. A. LAW, M. D., Assistant in Operative Surgery.  
 A. T. MANN, M. D., Assistant in Surgery.  
 C. D. HARRINGTON, M. D., Assistant in Surgery.  
 JUDD GOODRICH, M. D., Assistant in Surgery.  
 WARREN DENNIS, B. S., M. D., Assistant in Surgery.  
 A. R. COLVIN, M. D., Assistant in Surgery.

R. A. CAMPBELL, M. D., Assistant in Diseases of the Nose and Throat.  
 CHARLES R. BALL, M. D., Assistant in Nervous and Mental Diseases.  
 HARRY P. RITCHIE, Ph. B., M. D., Assistant in Gynecology.  
 E. F. REAMER, M. D., Assistant in Ophthalmology and Otolaryngology.  
 WM. R. MURRAY, B. A., M. D., Assistant in Ophthalmology and Otolaryngology.  
 E. V. APPLEBY, M. D., Assistant in Ophthalmology and Otolaryngology.  
 J. C. LITZENBERG, B. S., M. D., Assistant in Obstetrics.  
 WALTER RAMSEY, M. D., Assistant in Medicine.  
 DAVID LANDO, M. D., Assistant in Medicine.  
 E. R. HARE, M. D., Prosector in Anatomy.  
 W. H. CONDIT, B. S., M. D., Assistant in Materia Medica.  
 L. H. FLIGMAN, M. D., Assistant in Physiology.  
 S. P. REES, B. A., M. D., Assistant in Physical Diagnosis and Obstetrics.  
 P. A. HOFF, M. D., Assistant in Clinical Medicine.  
 HENRY L. WILLIAMS, M. D., Assistant in Medicine.  
 LESTER W. DAY, M. D., Assistant in Medicine.

UNIVERSITY SCHOLARS GIVING INSTRUCTION AND ASSISTING IN LABORATORIES.

In Anatomy—J. A. Cameron, M. Field, E. Alger, W. B. McCreery.  
 In Histology and Embryology—F. J. Bomberger, J. W. George, Herbert Coulter and E. E. Olander.  
 In Bacteriology and Pathology—Chelsea Pratt, H. C. Arey, E. S. Judd, Ellen Fullerton, B. S.; A. G. Liedloff, W. M. Brown.  
 In Surgical Pathology—J. C. McDonald.

COLLEGE OF HOMEOPATHIC MEDICINE AND SURGERY.

THE FACULTY.

CYRUS NORTHROP, LL. D., President.  
 ALONZO P. WILLIAMSON, LL. B., M. D., Dean and Professor of Mental and Nervous Diseases and Medical Jurisprudence.  
 WILLIAM E. LEONARD, A. B., M. D., Professor of Materia Medica and Therapeutics.  
 GEORGE E. RICKER, A. B., M. D., Professor of Clinical Medicine and Physical Diagnosis.  
 ROBERT D. MATCHAN, M. D., }  
 A. E. COMSTOCK, M. Sc., M. D., }  
 Professors of Principles and Practice of Surgery.  
 WARREN S. BRIGGS, B. S., M. D., }  
 MARSHALL P. AUSTIN, M. D., }  
 Professors Clinical and Orthopædic Surgery.  
 B. HARVEY OGDEN, A. M., M. D., Professor of Obstetrics.  
 EUGENE L. MANN, A. B., M. D., Professor of Diseases of Nose, Throat and Ear.  
 FREDERIC M. GIBSON, M. D., O. et. A. Chir., Professor of Ophthalmology.  
 GEORGE E. CLARKE, Ph. D., M. D., Professor of Theory and Practice of Medicine.  
 GEORGE F. ROBERTS, M. D., Professor of Diseases of Women.  
 HARRY M. LUFKIN, M. D., Professor of Diseases of Children.  
 \_\_\_\_\_, Professor of History and Methodology of Medicine.  
 ROBERT R. ROME, M. D., Professor of Clinical Obstetrics.



\_\_\_\_\_, Professor of Skin and Genito-urinary Diseases.  
**O. K. RICHARDSON**, B. S., M. D., Lecturer on Life Insurance Examination.  
**EDWARD M. FREEMAN**, B. S., Instructor in Botany.  
**GOTTFRIED SCHMIDT**, B. S., }  
**CHARLES ARTHUR DAWSON**, }  
 Dispensary Assistants.  
**A. E. BOOTH**, M. D., Lecturer on Surgical Emergencies.  
**W. H. CAINE**, M. D., Lecturer on Clinical and Orthopædic Surgery.

Instruction in the following branches is received in common with the students of the other colleges in the department of medicine.

**CHARLES A. ERDMANN**, M. D., Professor of Anatomy.  
**RICHARD O. BEARD**, M. D., Professor of Physiology.  
**CHARLES J. BELL**, A. B., Professor of Chemistry.  
**THOMAS G. LEE**, B. S., M. D., Professor of Histology and Embryology.  
**F. F. WESBROOK**, M. A., M. D., C. M., Professor of Bacteriology and Pathology.

## THE COLLEGE OF DENTISTRY.

### THE FACULTY.

**CYRUS NORTHROP**, LL. D., President.  
**WILLIAM P. DICKINSON**, D. D. S., Dean and Professor of Materia Medica.  
**THOMAS B. HARTZELL**, M. D., D. M. D., Professor of Pathology, Therapeutics and Oral Surgery.  
**OSCAR A. WEISS**, D. M. D., Professor of Prosthetic Dentistry and Orthodontia.  
**ALFRED OWRE**, D. M. D., M. D., C. M., Professor of Operative Dentistry and Metallurgy.  
**CHARLES A. VAN DUZEE**, D. D. S., Clinical Professor of Operative Dentistry.  
**CHARLES A. ERDMANN**, M. D., Professor of Anatomy.  
**RICHARD O. BEARD**, M. D., Professor of Physiology.  
**CHARLES J. BELL**, A. B., Professor of Chemistry.  
**H. C. CAREL**, B. S., Assistant Professor of Chemistry.  
**THOMAS G. LEE**, A. M., M. D., Professor of Histology and Embryology.  
**WINFIELD S. NICKERSON**, Sc. D., Assistant Professor of Histology.  
**FRANK F. WESBROOK**, M. A., M. D., C. M., Professor of Bacteriology and Pathology.  
**S. M. WHITE**, B. S., M. D., Assistant Professor of Bacteriology and Pathology.  
**FRANK R. WRIGHT**, D. D. S., M. D., Lecturer on Anæsthesia and Chief of Anæsthesia Clinic.  
**MARY V. HARTZELL**, D. M. D., Instructor in Comparative Dental Anatomy.  
**H. M. REID**, D. D. S., Instructor in Prosthetic Dentistry.  
**E. FRANKLIN HERTZ**, D. M. D., Instructor in Prosthetic Dentistry and Dental Anatomy.  
**JAMES O. WELLS**, A. M., D. M. D., Instructor in Crown and Bridge Work and Operative Technics.  
**MARGARET L. NICKERSON**, M. A., Instructor in Histology.  
**H. K. READ**, M. D., Demonstrator of Anatomy.  
**M. RUSSELL WILCOX**, M. D., Demonstrator in Physiology.

## THE COLLEGE OF PHARMACY.

## THE FACULTY.

- CYRUS NORTHROP, LL. D., President.  
FREDERICK JOHN WULLING, B. S., Ph. G., Phm. D., LL. M., Dean, Professor of Pharmacology, Pharmaceutical Chemistry and Pharmaceutical Jurisprudence.  
HENRY MARTYN BRACKEN, M. D., Professor of Materia Medica.  
\_\_\_\_\_, Professor of Pharmacognosy.  
CHARLES JOHN BELL, A. B., Professor of Chemistry, General, Medical, Analytical and Organic.  
CONWAY MacMILLAN, M. A., Professor of Botany.  
FREDERIC K. BUTTERS, M. S., Instructor in Botany and Practical Pharmacognosy.  
FRANK FAIRCHILD WESBROOK, M. A., M. D., C. M., Professor of Bacteriology.  
GEORGE B. FRANKFORTER, M. A., Ph. D., Professor of Organic Chemistry (post-graduate).  
GEORGE DOUGLAS HEAD, B. S., M. D., Instructor in Clinical Microscopy.  
RICHARD OLDING BEARD, Professor of Physiology.  
M. RUSSELL WILCOX, M. D., Instructor in Physiology.  
JOHN F. FULTON, Ph. D., M. D., Professor of Hygiene.  
F. A. KIEHLE, A. B., M. D., Instructor in Medical and Pharmaceutical Latin.  
\_\_\_\_\_, Instructor in Mineralogy.  
\_\_\_\_\_, Instructor in Pharmacy and Laboratory Assistant.  
H. C. CAREL, B. S., Instructor in Chemistry.  
W. H. CONDIT, M. D., Instructor in Materia Medica.

## ATTENDANCE FOR PAST THREE YEARS.

	1899-1900.			1900-1901.			1901-1902.		
	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.
College of science, literature and the arts	421	520	941	501	592	1,093	544	635	1,179
College of engineering and the mechanic arts	197	12	209	247	18	265	321	24	345
School of mines	77		77	86		86	109		109
Department of agriculture	423	80	503	452	92	544	494	125	619
College of law	520	8	528	455	8	463	498	6	504
College of medicine and surgery	321	23	344	313	17	330	343	19	362
College of Homeopathic medicine and surgery	23	1	24	25	2	27	19	1	20
College of dentistry	125		125	106		106	107		107
College of pharmacy	55	8	63	60	10	70	50	12	62
Summer school	127	262	389	*86	*204	*290	*64	*173	*237
Graduate department	124	53	177	128	54	182	127	49	176
Duplicates	84	60	144	42	1	43	62	2	64
Grand totals—less duplicates	2,329	907	3,236	2,417	996	3,413	2,614	1,042	3,656

\*Less duplicates.

# FINANCIAL STATEMENT.

MINNEAPOLIS, MINN., Aug. 1, 1902.

*Hon. Greenleaf Clark, President of the Board of Regents,*

SIR: I herewith submit the financial report of the University of Minnesota for the fiscal years commencing Aug. 1, 1900, and ending July 31, 1902.

D. W. SPRAGUE,  
*Accountant.*

## CURRENT EXPENSE.

### GENERAL STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE FISCAL YEAR ENDING JULY 31, 1901.

#### RECEIPTS.

Balance on hand, Aug. 1, 1900.....		\$80,014.22
From Grants Made by the United States Government—		
Approved March 2, 1861, and July 2, 1862, being interest		
on bonds of various states in which the resulting funds		
are invested .....	\$53,185.74	
United States treasurer, Hatch Fund.....	15,000.00	
United States treasurer, Morrill Fund.....	25,000.00	
	<hr/>	93,185.74
From the State Treasurer—23-100 mill revenue tax.....		142,002.55
From the University—deposits made by the accountant.....		108,682.46
		<hr/>
		\$423,884.97

#### DISBURSEMENTS.

By salaries and bills paid as per detailed statement.....	\$393,344.60
Balance in treasury July 31, 1901.....	\$30,540.37

### DETAILED STATEMENT OF RECEIPTS FOR THE FISCAL YEAR ENDING JULY 31, 1901.

#### CURRENT EXPENSE RECEIPTS.

Balance on hand Aug. 1, 1900.....		\$80,014.22
From United States Appropriations—		
Income from Permanent Productive Fund:		
Interest on land contracts .....	\$23,982.59	
Interest on Alabama bonds .....	2,145.00	
Interest on Delaware bonds .....	3,930.00	
Interest on Massachusetts bonds .....	2,400.00	
Interest on Tennessee bonds .....	3,600.00	
Interest on Minnesota bonds .....	8,540.00	
Interest on Virginia bonds .....	6,100.00	
Interest on village bonds .....	2,027.00	
Interest on bank deposits .....	461.15	
Total interest .....	<hr/>	\$53,185.74
From United States treasurer for Experiment Station		
(Hatch) .....	15,000.00	
From United States treasurer for Agricultural College		
(Morrill) .....	25,000.00	
	<hr/>	93,185.74

From State Appropriation—		
State treasurer, 23-100 mill revenue tax.....		142,002.59
From the University—		
Students' fees, farm sales and other sources:		
Students' fees, tuition, etc.....	\$90,858.03	
Experiment Station, sale of farm products.....	5,572.29	
School of Agriculture, students' fees and sales.....	6,847.19	
Minnetonka Fruit Farm, sale of lots.....	2,261.50	
Dental Infirmary receipts.....	1,200.00	
Miscellaneous items as follows:		
Telephone messages.....	10.73	
Adjustment of salaries.....	101.08	
Outside work by plumber.....	16.27	
Rent of Elmquist lot.....	18.00	
Books sold.....	113.17	
Unpaid orders.....	128.00	
From athletic association.....	450.00	
Locker fund.....	197.00	
Animals sold to State Board of Health.....	33.90	
Old boilers sold.....	939.67	
One subject sold.....	20.00	
Refund on paid bills.....	90.13	
Miscellaneous items.....	23.50	
		<u>108,682.40</u>
		\$423,884.97

## DISBURSEMENTS BY EXPENSE LISTS.

	Receipts brought forward.....	\$423,884.97
August—	University payroll.....	\$2,627.92
	Farm payroll.....	4,824.62
	University bills.....	4,336.14
	Farm bills.....	3,988.80
September—	University payroll.....	19,576.48
	Farm payroll.....	4,611.81
	University bills.....	7,464.81
	Farm bills.....	4,281.41
October—	University payroll.....	19,906.97
	Farm payroll.....	5,842.27
	University bills.....	13,341.76
	Farm bills.....	2,748.77
November—	University payroll.....	20,601.88
	Farm payroll.....	5,852.97
	University bills.....	8,815.20
	Farm bills.....	2,071.02
December—	University payroll.....	20,507.38
	Farm payroll.....	5,564.92
	University bills.....	11,663.72
	Farm bills.....	3,795.93
January—	University payroll.....	20,894.20
	Farm payroll.....	6,392.27
	University bills.....	8,152.11
	Farm bills.....	7,609.59
February—	University payroll.....	20,573.13
	Farm payroll.....	5,754.98
	University bills.....	5,050.67
	Farm bills.....	2,424.46
March—	University payroll.....	21,048.55
	Farm payroll.....	5,702.36
	University bills.....	7,083.59
	Farm bills.....	1,827.02
April—	University payroll.....	21,007.52
	Farm payroll.....	4,980.68
	University bills.....	6,981.43
	Farm bills.....	1,579.66
May—	University payroll.....	21,185.05
	Farm payroll.....	4,776.12
	University bills.....	6,580.24
	Farm bills.....	1,965.02
June—	University payroll.....	19,824.09
	Farm payroll.....	4,504.07
	University bills.....	2,611.09
	Farm bills.....	741.72

## TWELFTH BIENNIAL REPORT

July—University payroll .....	3,193.82
Farm payroll .....	4,585.13
University bills .....	4,729.54
Farm bills .....	1,964.82
Total University payroll.....	\$210,946.99
Total Farm payroll.....	63,392.20
Total University bills.....	86,710.30
Total Farm bills.....	34,942.22
Grand total .....	\$395,991.71

## EXPENSES PAID BY STATE AUDITOR.

Exchange on Delaware bonds.....	1.50	
Fees paid county treasurers.....	79.09	
Land collection fees.....	272.30	
	\$396,344.60	
Less amount advanced for revolving fund.....	3,000.00	
Balance .....		\$393,344.60
		\$30,540.37

## CURRENT EXPENSE.

## STATEMENT OF RECEIPTS AND DISBURSEMENTS, BY COLLEGES, FOR THE YEAR ENDING JULY 31, 1901.

	Receipts.	Disbursements.
General University .....	\$4,076.75	\$52,202.54
College of Science, Literature and the Arts.....	22,100.00	120,450.75
College of Engineering.....	6,810.00	28,674.79
College of Law.....	21,974.40	20,971.16
School of Mines.....	2,390.00	7,133.71
College of Medicine and Surgery.....	26,662.83	44,841.79
College of Homeopathic Medicine and Surgery.....	1,281.00	2,549.88
College of Dentistry.....	8,578.00	15,649.80
College of Pharmacy.....	2,390.00	5,178.37
The College of Agriculture.....	6,847.19	49,276.45
The Experiment Station.....	5,572.29	49,057.97
Totals .....	\$108,682.46	\$395,991.71

## CURRENT EXPENSE.

## SUMMARY OF DISBURSEMENTS BY DEPARTMENTS.

	Salaries.	Bills.
General University .....	\$23,744.77	\$28,457.77
Botany .....	\$4,690.00	\$4,175.37
Biology .....	5,185.00	911.14
Chemistry .....	8,715.00	10,090.92
Physics .....	5,187.50	1,469.99
Languages .....	24,230.00	51.99
English .....	7,870.00	122.25
Mathematics .....	4,370.00	6.50
Astronomy .....	1,810.00	11.66
Political Science .....	4,935.01	165.00
Geology .....	4,350.00	849.63
Philosophy .....	6,290.00	134.55
History .....	5,685.00	.....
Rhetoric .....	5,350.00	243.10
Pedagogy .....	2,930.00	74.63
Physical Science .....	3,572.87	776.08
Military Science .....	1,021.89	86.76
General Science, Literature and Art.....	4,491.63	597.28
Totals .....	\$100,683.90	\$19,766.85

Electrical Engineering .....	\$1,075.00	\$1,739.65
Mechanical Engineering .....	6,845.00	4,971.23
Civil Engineering .....	3,870.00	830.83
Drawing .....	4,100.00	109.33
General Engineering .....	5,130.00	3.75
Totals .....	\$21,020.00	\$7,654.79
College of Law .....	\$15,815.38	\$5,155.78
Anatomy .....	\$3,300.00	\$3,076.14
Bacteriology .....	4,673.66	3,074.73
Chemistry .....	4,520.50	1,562.87
Physiology .....	3,476.26	2,384.20
Histology .....	5,256.27	2,490.49
General Medicine and Surgery.....	7,721.25	3,305.42
Totals .....	\$28,947.94	\$15,893.85
Homeopathy .....	\$2,100.00	\$449.38
Dentistry .....	\$12,545.00	\$3,104.80
Pharmacy .....	\$3,900.00	\$1,188.37
School of Mines.....	\$2,100.00	\$5,038.71
Total University .....	\$210,946.99	\$86,710.30
General Station .....	\$7,773.17	\$6,943.95
Agriculture .....	7,827.28	2,891.98
Chemistry .....	1,325.40	520.98
Entomology .....	1,005.86	110.69
Horticulture .....	3,061.54	852.44
Animal Husbandry .....	5,126.46	8,839.50
Dairy Husbandry .....	1,300.00	.....
Veterinary .....	1,160.70	318.02
Totals .....	\$28,580.41	\$20,477.56
The School of Agriculture.....	\$18,854.65	\$5,861.35
Agriculture .....	1,624.69	247.51
Chemistry .....	2,486.93	1,466.26
Entomology .....	1,000.00	147.50
Horticulture .....	2,830.25	1,130.71
Animal Husbandry .....	999.96	147.03
Dairy Husbandry .....	5,449.99	5,152.98
Veterinary .....	1,565.32	311.32
Totals .....	\$34,811.79	\$14,464.66
Total Station and School.....	\$63,392.20	\$34,942.22
Grand totals .....	\$274,339.19	\$121,632.52
Total current expense.....		\$395,981.71

DISTRIBUTION OF ACCOUNTS.

	University.	Farm.
1. Salaries of officers.....	\$184,154.30	\$36,917.77
2. Wages of employes.....	26,792.69	26,474.43
	\$210,946.99	\$63,392.20
3. Fuel and lights.....	\$14,292.40	\$5,308.81
4. Freight and express.....	1,601.56	795.44
5. Postage .....	1,235.05	696.83
6. Library .....	6,861.36	982.51
7. Stationery and printing.....	4,252.44	2,411.61
8. Furniture and fixtures.....	2,834.52	286.48
9. Scientific apparatus and instruments.....	5,021.12	134.17
10. Building .....	613.81	.....
11. Equipment of building.....	2,069.65	84.00
12. Live stock .....	.....	5,707.55
13. Tools, implements and machinery.....	2,923.69	565.43
14. Feed .....	334.01	6,977.10
15. Seeds and plants.....	15.45	677.23

16. Supplies for instruction and illustration.....	23,702.96	2,469.89
17. Repairs .....	1,341.92	2,044.53
18. Traveling expenses .....	577.15	606.04
19. Petty supplies .....	5,206.06	2,935.94
20. Museum .....	133.20	30.00
21. Taxes, rents, ads.....	3,535.92	341.97
22. Publications .....	1,725.57	27.50
23. Contingent expenses .....	671.22	216.93
24. Labor .....	7,771.25	1,642.17
	<u>\$86,710.30</u>	<u>\$34,042.22</u>

## THE TWO STATEMENTS ABOVE COMBINED.

1. Salaries of officers.....	\$221,072.07	
2. Wages of employes.....	53,267.12	\$274,339.19
3. Fuel and lights.....	\$19,601.21	
4. Freight and express.....	2,397.00	
5. Postage .....	1,931.88	
6. Library .....	7,843.87	
7. Stationery and printing.....	6,664.05	
8. Furniture and fixtures.....	3,121.00	
9. Scientific apparatus and instruments.....	5,155.29	
10. Building .....	613.81	
11. Equipment of building.....	2,143.74	
12. Live stock .....	5,707.55	
13. Tools, implements and machinery.....	3,489.12	
14. Feed .....	7,311.11	
15. Seeds and plants.....	692.68	
16. Supplies for instruction and illustration.....	26,172.85	
17. Repairs .....	3,386.45	
18. Traveling expenses .....	1,183.19	
19. Petty supplies .....	8,141.99	
20. Museum .....	163.20	
21. Taxes, rents, ads.....	3,877.89	
22. Publications .....	1,753.07	
23. Contingent expenses .....	888.15	
24. Labor bills .....	9,413.42	
		<u>121,652.52</u>
Total current expense.....		<u>\$395,991.71</u>

## GENERAL UNIVERSITY.

## DETAILED STATEMENT OF DISBURSEMENTS—1900-1901.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Cyrus Northrop, president.....		\$7,500.00
William W. Folwell, librarian.....		500.00
Stephen Mahoney, secretary.....		300.00
St. Anthony Falls Bank, treasurer.....		250.00
E. Bird, Johnson, registrar.....		1,400.04
Daniel W. Sprague, accountant.....		1,500.00
Lettie M. Crafts, assistant librarian.....		1,000.00
Ina Firkins, first assistant librarian.....		752.50
Anna L. Guthrie, second assistant librarian.....		698.75
Ella A. Whitney, stenographer.....		550.00
Elizabeth M. Hawley, typewriter.....		400.00
Malcolm G. Wyer, assistant.....		315.00
L. May Brooks, clerk.....		250.00
Allen W. Guild, superintendent of grounds.....		900.00
E. J. Hemphill, carpenter.....		635.00
L. A. Tannehill, carpenter.....		221.25
Thomas Hickey, plumber.....		542.31
William H. Doty, engineer.....		550.00
Henry Johnson, engineer.....		521.15
John A. Munson, engineer and fireman.....		528.54
Ernest Dygert, fireman.....		569.23
Frank Olson, teamster.....		495.00
George Plowman, watchman.....		195.00
Annie Peterson, scrub woman.....		360.00



	No. Voucher.	Amount.
Bertha Mayer, scrub woman.....	.....	360.00
John Kelly, night watchman.....	.....	80.00
Oscar Munson, teamster.....	.....	40.00
Annabelle Morrison, telephone operator.....	.....	160.50
Charles O. Seger, fireman.....	.....	89.74
A. W. Demars, fireman.....	.....	249.55
Carl Anderson, shoveler.....	.....	22.50
George Wilkinson, shoveler.....	.....	125.00
Thomas Lewcock, watchman.....	.....	195.00
Mamie McNeVins, telephone operator.....	.....	75.00
Scrub women.....	.....	953.25
Extra help in library during vacation.....	.....	127.50
Burt Rose, bandmaster.....	.....	315.00
S. P. Southwick, shoveler.....	.....	10.00
O. J. Dysert, shoveler.....	.....	10.00
Minneapolis Gas Light Co., gas.....	56	28.50
Indian Medical Spring Water Co., medical water.....	57	28.50
E. P. Leland, statement receipts.....	58	28.50
R. B. Thompson, lumber.....	59	3.70
Douglas & Co., linseed oil.....	60	35.05
Twin City School Supply Co., one gross erasers.....	61	5.25
The University Press, stationery.....	62	10.75
Northrup, King & Co., seeds.....	63	7.40
C. W. Meneilly, groceries.....	64	8.50
The Great Western Printing Co., printing.....	65	224.76
Kimball & Storer Co., stationery.....	66	25.00
Fred J. Scott, printing.....	67	13.25
M. Whitcomb & Co., feed.....	68	5.20
W. K. Morrison & Co., hardware.....	74	58.00
W. M. Simms, hardware.....	83	17.10
W. S. Nott Co., chair tips.....	86	9.60
C. W. Bowen, barn rent.....	96	10.00
The Minneapolis General Electric Co., electric lighting.....	104	153.93
E. Bodin, paving gutters.....	105	48.66
The Northwestern Telephone Exchange Co., rental service.....	106	28.05
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	399.52
The Pioneer Press Co., 200 small books.....	109	30.55
Petty bills, miscellaneous supplies.....	110	2.20
Minneapolis Gas Light Co., gas.....	111	6.06
Fred J. Scott, printing.....	112	31.50
American Soap & Chemical Co., soap.....	113	35.70
W. M. Simms, hardware.....	114	26.25
Glessner & Washburn, work on furniture.....	115	14.41
John A. Schlener & Co., stationery.....	116	10.75
Edwin R. Williams, draughting supplies.....	117	3.50
R. B. Thompson, lumber.....	118	31.29
M. Whitcomb & Co., feed.....	119	7.80
Minneapolis Office & School Furniture Co., desk.....	120	22.00
The University Press, stationery.....	121	40.80
The Great Western Printing Co., printing.....	122	29.00
A. Engebretson, feed.....	130	88
M. E. Anderson, work on bells, etc.....	133	11.75
The Northwestern Telephone Exchange Co., rental service.....	146	22.10
Gas Saving Co., rent of regulator.....	148	12.00
W. K. Morrison & Co., hardware.....	149	11.49
Twin City School Supply Co., crayons.....	150	11.25
Ozonet Co., ozonet.....	151	25.00
W. K. Morrison & Co., hardware.....	172	33.08
D. W. Sprague, accountant, freight, express, postage and extra help.....	206	307.73
Petty bills, miscellaneous supplies.....	201	16.02
Elmer E. Adams, attending regents' meeting.....	205	16.25
W. M. Simms, hardware.....	269	28.95
Price Bros. Printing Co., printing.....	270	7.50
Indian Medical Spring Water Co., medical water.....	271	24.38
Minneapolis Gas Light Co., gas.....	272	17.29
Fred J. Scott, printing.....	274	21.50
Northwestern Star Oil Co., oil.....	275	16.70
Leslie & McAfee, blotting paper.....	276	7.80
Pioneer Fuel Co., coal.....	277	384.62
Minneapolis Office & School Furniture Co., table.....	278	16.00
M. Whitcomb & Co., feed.....	279	20.02
A. B. Benson, work in Chemistry Building.....	280	46.62
Minneapolis Brass & Iron Manufacturing Co., bath rings.....	281	74.00
Boutell Bros, desk.....	282	13.50
W. K. Morrison & Co., hardware.....	283	13.86
W. S. Nott Co., leather.....	284	49.75
Gas Saving Co., rent of regulator.....	285	12.00

	No. Voucher.	Amount.
C. W. Bowen, rent of barn.....	286	10.00
John A. Schlener & Co., stationery.....	292	14.38
A. Engebretson, feed.....	299	2.12
Edwin R. Williams, bands.....	305	3.25
R. E. Thompson, lumber.....	307	15 87
Standard Oil Co., gasoline.....	331	3.76
Northwestern Telephone Exchange Co., rental service.....	343	50.05
City of Minneapolis Water Works Department, water.....	344	308.87
J. N. Sayer, house furnishings.....	345	10.75
Minneapolis Jewelry Manufacturing Co., electric clock.....	358	30.00
Pioneer Fuel Co., coal.....	364	4,853.48
Indian Medical Spring Water Co., medical water.....	365	35.19
A. H. Hurd, horseshoeing.....	372	7.15
Margaret B. Bowen, rent of barn.....	373	5.00
Eustis Brothers, repair clock.....	375	5.00
Littlefield & Gerk, ventilation work.....	376	31.78
D. W. Sprague, accountant, freight, express, postage and extra help.....	381	341.12
Petty bills, miscellaneous supplies.....	382	3.08
Oscar Abramson, work on Chemical Building.....	383	21.42
Minneapolis Gas Light Co., gas.....	450	32.24
A. B. Benson, labor.....	451	63.00
Indian Medical Spring Water Co., medical water.....	452	25.93
Gas Saving Co., rent of regulator.....	453	12.00
Lucas Bros., iron boxes.....	454	13.75
Pioneer Fuel Co., coal.....	455	1,178.36
Leslie & McAfee, paper.....	456	17.86
Twin City School Supply Co., crayons.....	457	7.50
Smith & Wyman, storm sash.....	458	7.00
Northwestern Compo Board Co., blackboards.....	459	9.60
Edwin R. Williams, rubber bands.....	460	3.25
Minneapolis Office & School Furniture Co., desk and table.....	461	17.50
The University Book Store, stationery.....	462	10.92
Lyman-Elie! Drug Co., drugs.....	464	1.50
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	476	62.87
R. B. Thompson, lumber.....	491	1.88
W. M. Simms, hardware.....	503	10.37
W. K. Morrison & Co., hardware.....	508	32.59
W. S. Nott Co., belting.....	510	6.60
M. Whitcomb & Co., feed.....	516	20.66
The Great Western Stationery Co., stationery.....	517	140.80
Fred J. Scott, printing.....	520	63.00
American Soap & Chemical Co., soap.....	522	34.65
The Northwestern Telephone Exchange Co., rental service.....	523	51.85
The University Press, stationery.....	524	113.29
John A. Schlener & Co., pencils, etc.....	528	5.49
Minneapolis General Electric Co., electric lighting.....	551	232.87
Petty bills, miscellaneous supplies.....	562	4.90
A. E. Rice, hotel expenses, regents' meeting.....	567	14.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	568	531.69
C. A. Tullar, attendance regents' meeting.....	570	50.65
Minneapolis General Electric Co., electric lighting.....	571	144.02
F. G. McMillan, extra cost enlarging Arts Building.....	572	585.11
The Great Western Printing Co., stationery.....	633	17.00
Price Bros. Printing Co., stationery.....	634	7.50
Leslie & McAfee, paper.....	635	132.40
Association of American Agricultural Colleges & Experimental Stations, membership fees.....	636	10.00
James W. Day, ice.....	637	40.86
Margaret B. Bowen, rent of barn.....	638	5.00
Wm. E. Walling, rubber bands.....	639	10.00
American Linen Supply Co., towels.....	640	133.07
Carl Schlenker, services in chapel.....	641	75.00
Fred J. Scott, printing.....	668	6.25
The University Press, printing.....	674	45.00
John Cates, fifteen days' work.....	709	22.50
Pioneer Fuel Co., coal.....	711	1,587.07
Margaret Bowen, rent of barn.....	720	5.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	721	353.97
Glessner & Washburn, perforated seats.....	723	3.15
Scanlon-Gipson Lumber Co., lumber.....	724	27.22
W. M. Simms, hardware.....	726	8.06
Enterprise Machine Co., work on armory heating plant.....	727	11.70
Incandescent Gas Light Co., burners and mantels.....	728	6.20
Larmer Manufacturing Co., two doors.....	729	6.00
The Minneapolis General Electric Co., electric lighting.....	730	95.50
Indian Medical Spring Water Co., medical water.....	732	28.45

	No. Voucher.	Amount.
W. S. Nott Co., steam hose.....	733	63.75
W. S. Nott Co., boiler compound.....	734	40.80
M. Whitcomb & Co., feed.....	735	43.42
Leslie & McAfee, paper.....	736	57.20
Leslie & McAfee, paper.....	737	51.92
W. K. Morrison & Co., hardware.....	738	29.50
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	739	9.29
Elmer E. Adams, expense regents' meeting.....	742	15.60
Fairbanks, Morse & Co., truck.....	743	6.00
Northwestern Telephone Exchange Co., rental service.....	744	50.85
Minneapolis Gas Light Co., gas.....	750	44.20
Gas Saving Co., rent of regulators.....	751	12.00
Metropolitan Music Co., rent of piano for chapel.....	752	20.00
The Great Western Printing Co., blanks.....	812	237.60
Mrs. Margaret B. Bowen, rent of barn.....	813	5.00
Indian Medical Spring Water Co., medical water.....	815	33.95
World's Fair Shoeing Shop, horseshoeing.....	816	46.75
Cooley Lithographing & Printing Co., 2,000 checks.....	817	94.50
Graham Paper Co., paper.....	818	119.70
Pioneer Fuel Co., coal.....	819	722.64
The John Leslie Paper Co., cloth board.....	820	10.00
G. M. Davis Regulator Co., repairing regulator.....	821	23.00
The University Press, stationery.....	822	40.60
M. Whitcomb & Co., feed.....	823	20.94
New England Furniture & Carpet Co., matting, etc.....	824	57.00
The Northwestern Telephone Exchange Co., rental service.....	825	53.53
Twin City School Supply Co., ink.....	826	10.00
John A. Schlener & Co., stationery.....	827	5.15
W. K. Morrison & Co., hardware.....	828	19.87
Electrical Engineering Co., electrical supplies.....	829	1.20
Henry Taylor, artist proof engraving.....	830	10.00
Heywood Manufacturing Co., envelopes.....	831	2.50
McClellan Paper Co., paper.....	832	9.30
Gas Saving Co., rent of regulators.....	833	12.00
W. S. Nott Co., belting.....	834	1.50
W. M. Simms, hardware.....	836	5.87
R. B. Thompson, lumber.....	840	12.19
John A. Schlener & Co., stationery.....	841	5.35
The Minnesota Daily, space for official notices.....	860	200.00
The Minnesota Magazine, advertising.....	861	50.00
The Minneapolis General Electric Co., electric current.....	863	121.83
City of Minneapolis Water Works Department, water.....	925	516.75
D. W. Sprague, accountant, freight, express, postage and extra help.....	936	321.61
Petty bills, miscellaneous supplies.....	938	9.40
Minneapolis Gas Light Co., gas.....	1005	45.48
Minneapolis Gas Light Co., gas.....	1006	39.00
Metropolitan Music Co., rent of piano.....	1007	8.00
John A. Schlener & Co., stationery.....	1008	9.28
Heywood Manufacturing Co., envelopes.....	1010	9.70
Gas Saving Co., regulator rent.....	1011	12.00
W. K. Morrison & Co., hardware.....	1014	18.45
Northwestern Star Oil Co., oil.....	1015	17.70
The Great Western Printing Co., stationery.....	1016	17.50
The Great Western Printing Co., bulletins.....	1017	122.55
American Soap & Chemical Co., soap.....	1018	31.50
Graham Paper Co., paper.....	1019	119.70
Indian Medical Spring Water Co., medical water.....	1020	34.50
M. Whitcomb & Co., feed.....	1021	13.20
C. C. Boyson, finishing book cases.....	1022	8.40
Margaret B. Bowen, rent of barn.....	1023	5.00
Pioneer Fuel Co., coal.....	1024	258.92
John Leslie Paper Co., paper.....	1025	169.80
The Munson Stationery Co., stationery.....	1027	3.50
W. M. Simms, hardware.....	1028	1.99
Electrical Engineering Co., electrical supplies.....	1054	7.01
Fred J. Scott, printing.....	1065	6.75
Fred J. Scott, stationery.....	1066	7.75
Darnell & Beckman, diplomas.....	1067	23.75
The University Press, stationery.....	1071	28.04
Pioneer Press Co., biennial report sheets, etc.....	1072	97.79
The Minneapolis General Electric Co., electric lights.....	1077	103.82
The Northwestern Telephone Exchange Co., rental service.....	1078	55.60
The Northwestern Telephone Exchange Co.....	.....	.....
Petty bills, miscellaneous supplies.....	1101	9.06
D. W. Sprague, accountant, freight, express, postage and extra help.....	1104	342.81
W. K. Morrison & Co., hardware.....	1167	53.82
Pioneer Fuel Co., coal.....	1168	444.10

	No. Voucher.	Amount.
E. P. Leland, binding book.....	1170	6.00
T. C. Trueblood, debaters.....	1171	100.00
Thompson & Lees, track in armory.....	1172	100.00
Indian Medical Spring Water Co., medical water.....	1173	35.55
Glessner & Washburn, shades.....	1174	6.90
Northwestern Compo Board Co., blackboard.....	1175	5.60
Flour City Ornamental Iron Works, window guards.....	1176	224.00
M. Whitcomb & Co., feed.....	1177	20.12
The John Leslie Paper Co., paper.....	1178	15.70
The University Press, stationery.....	1179	52.94
Gas Saving Co., rent of regulators.....	1180	12.00
Twin City School Supply Co., crayons.....	1181	11.25
American Soap & Chemical Co., soap.....	1182	34.30
W. M. Simms, hardware.....	1205	1.82
Fred J. Scott, printing.....	1231	51.00
Fred J. Scott, printing.....	1232	32.75
John A. Schlenner & Co., stationery.....	1233	6.00
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1247	5.22
The Northwestern Telephone Exchange Co., rental service.....	1273	54.90
The Minneapolis Gas Light Co., gas.....	1279	31.08
Price Bros. Printing Co., printing.....	1280	8.75
Pioneer Fuel Co., coal.....	1282	8.60
Petty bills, miscellaneous supplies.....	1285	9.18
D. W. Sprague, accountant, freight, express, postage and extra help.....	1288	314.70
Elmer E. Adams, expense attending regent meetings.....	1291	15.60
The Minneapolis General Electric Co., electric lighting.....	1337	28.10
Minneapolis Paper Co., paper.....	1340	157.50
Indian Medical Spring Water Co., medical water.....	1341	44.00
Graham Paper Co., paper.....	1342	119.70
Pioneer Fuel Co., coal.....	1344	342.89
Minneapolis Gas Light Co., gas.....	1346	17.52
Fred J. Scott, printing.....	1347	103.00
Minneapolis Water Works, water tax.....	1348	685.05
Harrison & Smith Co., record of receipts.....	1349	12.00
The Northwestern Telephone Exchange Co., rental service.....	1350	54.45
Deere & Webber Co., buggy.....	1351	82.00
W. K. Morrison & Co., hardware.....	1352	16.01
John A. Schlenner & Co., stationery.....	1353	25.68
Margaret B. Bowen, rent of barn.....	1354	10.00
Edwin R. Williams, stationery.....	1357	2.75
The Engineers' Society, advertising.....	1362	15.00
R. B. Thompson, lumber.....	1363	4.97
W. M. Simms, hardware.....	1369	2.45
Metropolitan Music Co., music.....	1370	12.23
M. Whitcomb & Co., feed.....	1386	14.18
Gopher, advertising.....	1388	25.00
The University Press, stationery.....	1394	129.42
The Minneapolis General Electric Co., electric lighting.....	1396	78.50
Brandow Printing Co., 1,000 blue books.....	1397	10.75
G. E. Stechert, books.....	1399	166.22
Samuel Lewis, scrub cloths.....	1412	5.00
Petty bills, miscellaneous supplies.....	1414	5.05
D. W. Sprague, accountant, freight, express, postage and extra help.....	1439	519.14
Gas Saving Co., rent of regulator.....	1345	12.00
Minneapolis Gas Light Co., gas.....	1492	3.96
Indian Medical Spring Water Co., medical water.....	1493	38.23
Graham Paper Co., paper.....	1494	187.82
New England Furniture & Carpet Co., stools.....	1495	7.50
Western Linseed Co., linseed oil.....	1496	30.96
R. B. Thompson, lumber.....	1497	4.63
H. L. Swain & Co., wood.....	1498	10.25
W. M. Simms, hardware.....	1499	60.12
P. Howard, painting and lettering truck.....	1500	18.75
American Soap & Chemical Co., soap.....	1501	65.80
Gas Saving Co., rent of regulators.....	1502	12.00
W. K. Morrison & Co., hardware.....	1503	19.85
The Great Western Printing Co., bulletins.....	1504	833.04
Boutell Bros., furniture.....	1506	42.00
Fidelity & Deposit Co., premium on bonds.....	1516	120.00
Minneapolis Gas Light Co., gas.....	1517	.96
E. A. Rose, band, commencement.....	1518	75.00
The University Press, stationery.....	1547	265.55
Darnell & Beckman, envelopes.....	1548	37.00
The Northwestern Telephone Exchange Co., rental service.....	1552	50.50
C. W. & M. A. Dorsett, catering.....	1560	58.00
A. W. Campbell, carriage, etc.....	1564	6.50
The Minneapolis General Electric Co., electric lighting.....	1565	68.26
M. Whitcomb & Co., feed.....	1567	42.26

UNIVERSITY BOARD OF REGENTS.

29

	No. Voucher.	Amount.
Elmer E. Adams, attending regents' meeting.....	1568	17.71
Petty bills, miscellaneous supplies.....	1581	16.88
D. W. Sprague, accountant, freight, express, postage and extra help .....	1582	739.84
Andrew S. Draper, commencement address.....	1562	100.00
John A. Schlener & Co., muclilage.....	1631	6.30
The John Leslie Paper Co., paper.....	1632	55.75
Minneapolis Paper Co., parchment.....	1633	23.35
The Munson Stationery Co., muclilage.....	1634	5.00
M. Whitcomb & Co., feed.....	1635	9.02
The Pioneer Fuel Co., coal.....	1636	49.48
City of Minneapolis Water Works Department, repairs on meter	1637	5.00
The University Press, stationery.....	1638	55.38
R. B. Thompson, lumber and shingles.....	1639	41.06
Indian Medical Spring Water Co., medical water.....	1640	16.55
McClellan Paper Co., paper.....	1641	5.84
The Great Western Printing Co., diplomas, programs, etc.....	1642	318.50
Byron & Willard, printing.....	1643	23.00
Bramblett & Beygeh, half-tones, interiors.....	1644	9.46
Minneapolis Gas Light Co., gas.....	1645	1.44
Northwestern Telephone Exchange Co., rental service.....	1646	63.10
Fred J. Scott, printing.....	1647	28.00
The Tension Envelope Co., envelopes.....	1648	27.00
W. M. Simms, hardware.....	1649	10.80
East Side Green House, decorations at armory.....	1650	16.00
The Minneapolis General Electric Co., electric lighting.....	1651	38.83
W. K. Morrison & Co., hardware.....	1669	116.74
Petty bills, miscellaneous supplies.....	1699	5.24
The John Leslie Paper Co., paper.....	1735	217.31
The Great Western Printing Co., printing.....	1736	297.46
American Soap & Chemical Co., soap.....	1737	35.70
Ozonet Co., ozonet powder.....	1738	25.00
W. S. Nott Co., Diamond hose, etc.....	1753	17.40
Langdon Stone Co., stone.....	1754	10.00
R. B. Thompson, lumber.....	1755	18.30
The John Leslie Paper Co., paper.....	1757	10.50
Pioneer Fuel Co., coal.....	1761	11.25
D. W. Sprague, accountant, freight, express, postage and extra help .....	1763	148.98
Petty bills, miscellaneous supplies.....	1764	.60
		<hr/>
		\$52,202.54

THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

CURRENT EXPENSE.

	No. Voucher.	Amount.
Conway McMillan, professor of Botany.....	...	\$1,800.00
William W. Folwell, professor of Political Economy.....	...	2,400.00
Richard Burton, professor of English Language and Literature.....	...	2,400.00
Frederick Klaeber, professor of Comparative and English Philology .....	...	1,600.00
Henry F. Nachtrieb, professor of Animal Biology.....	...	2,000.00
George B. Frankforter, professor of Chemistry.....	...	2,400.00
Jabez Brooks, senior professor of Greek Language and Literature .....	...	2,400.00
John F. Downey, professor of Mathematics.....	...	2,400.00
John G. Moore, professor of German Language and Literature.....	...	2,400.00
Christopher W. Hall, professor of Geology and Mineralogy.....	...	2,400.00
Charles W. Benton, professor of French Language and Literature .....	...	2,400.00
David L. Kiehle, professor of Pedagogy.....	...	2,400.00
John S. Clark, professor of Latin Language and Literature.....	...	2,250.00
J. Corrin Hutchinson, professor of Greek Language and Literature .....	...	2,250.00
Frederick S. Jones, professor of Physics.....	...	2,400.00
Maria L. Sanford, professor of Rhetoric and Elocution.....	...	2,400.00
Willis M. West, professor of History.....	...	2,250.00
Frederick J. E. Woodbridge, professor of Philosophy.....	...	2,250.00
Francis P. Leavenworth, professor of Astronomy and director of observatory .....	...	1,800.00
John S. Carlson, professor of Scandinavian Languages and Literature .....	...	1,800.00
Joseph B. Pike, professor of Latin.....	...	1,800.00
Frank L. McVey, professor of Private Economics.....	...	1,650.00
Charles P. Sigerfoos, professor of Zoölogy.....	...	1,650.00

	No. Voucher.	Amount.
Samuel G. Smith, professor of Sociology.....	...	500.01
Charles F. Sidener, assistant professor of Chemistry.....	...	1,800.00
Charles F. McClumpha, assistant professor of English Language and Literature .....	...	1,500.00
Matilda J. C. Wilkin, assistant professor of German.....	...	1,500.00
E. Eugene McDermott, assistant professor of Rhetoric and Elo- cution .....	...	1,500.00
Frank M. Anderson, assistant professor of History.....	...	1,500.00
Edward E. Nicholson, assistant professor of Chemistry.....	...	1,500.00
John Zelleny, associate professor of Physics.....	...	1,500.00
Norman Wilde, assistant professor of Philosophy.....	...	1,350.00
Carl Schlenker, assistant professor of German.....	...	1,200.00
Albert B. White, assistant professor of History.....	...	1,200.00
Frederick E. Beckman, instructor in French and Spanish.....	...	1,200.00
Harlow S. Gale, instructor in Psychology.....	...	1,200.00
Charles P. Berkey, instructor in Mineralogy.....	...	1,200.00
Anthony Zelleny, instructor in Physics.....	...	1,000.00
John E. Granrud, instructor in Latin.....	...	1,000.00
Gilbert Ames Bliss, instructor in Mathematics.....	...	1,000.00
George N. Bauer, instructor in Mathematics.....	...	1,000.00
Josephine E. Tilden, instructor in Cryptographic Botany.....	...	1,100.00
Emma Bertin, instructor in French.....	...	900.00
Francis Potter, instructor in English.....	...	900.00
Oscar W. Oestlund, instructor in Animal Biology.....	...	900.00
Oscar Firkins, instructor in Rhetoric.....	...	800.00
Waldemar Schulz, instructor in German.....	...	800.00
Henry A. Erickson, instructor in Physics.....	...	750.00
Frederick W. Sardeson, instructor in Paleontology.....	...	750.00
Charles A. Savage, instructor in Latin.....	...	700.00
Marco F. Liberma, instructor in French.....	...	700.00
William A. Wheeler, instructor in Botany.....	...	650.00
Harold L. Lyon, instructor in Botany.....	...	650.00
Paul M. Glasoe, instructor in Chemistry.....	...	600.00
Levi B. Pease, instructor in Chemistry.....	...	600.00
Helen A. Wilder, instructor in Rhetoric.....	...	600.00
Elizabeth F. Beach, instructor in History.....	...	735.00
David E. Cloyd, instructor in Pedagogy.....	...	500.00
Edward Sanford, instructor in Rhetoric.....	...	500.00
Marion Potter, instructor in English.....	...	500.00
Ada L. Comstock, instructor in Rhetoric.....	...	400.00
Louis C. Luhr, instructor in German.....	...	180.00
Joseph W. Beach, assistant instructor in Rhetoric.....	...	500.00
Hannah R. Sewall, assistant in Political Science.....	...	400.00
David F. Swenson, assistant in Philosophy.....	...	450.00
Frank Emmons, assistant in Chemistry.....	...	250.00
Charles Zeleny, scholar in Biology.....	...	325.00
Joseph E. Guthrie, scholar in Biology.....	...	400.00
J. Burt Miner, scholar in Philosophy.....	...	225.00
Otto Rosendahl, scholar in Botany.....	...	200.00
Frederick K. Butters, scholar in Botany.....	...	200.00
Helen E. Camp, assistant in Pedagogy.....	...	30.00
Everhart P. Harding, instructor in Chemistry.....	...	600.00
William Methley, assistant in Chemistry.....	...	535.00
Henry C. Libby, assistant in Astronomy.....	...	100.00
Fred W. Bedford, assistant in Chemistry.....	...	135.00
Raymond Benner, assistant in Chemistry.....	...	135.00
A. W. Martin, assistant in Chemistry.....	...	135.00
Francis G. Warville, assistant in Chemistry.....	...	250.00
Willard W. Dakin, instrument maker.....	...	675.00
Ella C. Ruscoe, scholar.....	...	200.00
Walter J. Allen, military instructor.....	...	249.97
Louis J. Cooke, physical director.....	...	1,500.00
Jennings C. Litzenberg, assistant.....	...	400.00
Anna Maud Butner, director.....	...	900.00
Marguerite Barbour, assistant.....	...	200.00
Alice Ray Hunt, pianist.....	...	90.00
Charles E. Daly, janitor.....	...	522.69
Jacob Knutson, janitor.....	...	540.00
Edwin A. Cuzner, janitor.....	...	900.00
Philander Folsom, janitor.....	...	540.00
Charles Lindsay, janitor.....	...	268.54
John Cates, janitor.....	...	45.00
John West, janitor.....	...	270.00
Ephraim Hoover, janitor.....	...	529.60
Edmund S. Dowling, janitor.....	...	540.00
Oscar Munson, janitor.....	...	482.87
Walter Daly, janitor.....	...	235.38
E. W. Vaughn, janitor.....	...	151.84
L. A. Tannehill, janitor.....	...	90.00

	No. Voucher.	Amount.
Elizabeth Ferick, instructor in German.....	56	120.00
Minneapolis Gas Light Co., gas.....	62	27.17
The University Press, stationery.....	62	2.40
Minneapolis Gas Light Co., chimneys and mantels.....	69	5.15
Heywood Manufacturing Co., pamphlet files.....	71	17.00
Alexander P. Anderson, weighing balance and recorder.....	92	200.00
Josephine T. Tilden, transportation charges.....	93	295.40
The University Book Store, books.....	94	7.55
G. E. Steckert, books.....	98	25.01
The McMillan Co., books.....	99	6.71
William Wesley & Son, books.....	102	8.75
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	386.38
Petty bills, miscellaneous supplies.....	110	10.67
Minneapolis Gas Light Co., gas.....	111	35.00
Fred J. Scott, printing.....	112	2.00
W. M. Simms, hardware.....	114	15.07
John A. Schlenner & Co., stationery.....	116	6.00
Edwin R. Williams, draughting supplies.....	117	1.75
The University Press, stationery.....	121	17.00
G. E. Stechert, books.....	123	62.10
The McMillan Co., books.....	124	10.90
William Wesley & Son, books.....	102	8.75
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	386.38
Petty bills, miscellaneous supplies.....	110	10.67
Minneapolis Gas Light Co., gas.....	111	35.00
Fred J. Scott, printing.....	112	2.00
W. M. Simms, hardware.....	114	15.07
John A. Schlenner & Co., stationery.....	116	6.00
Edwin R. Williams, draughting supplies.....	117	1.75
The University Press, stationery.....	121	17.00
G. E. Stechert, books.....	123	62.00
The Macmillan Co., books.....	124	10.00
Heywood Manufacturing Co., boxes.....	126	6.00
The University Book Store, books, etc.....	127	18.69
J. C. Vaughn, seeds.....	128	8.05
Boutell Bros., furniture.....	129	24.05
A. Engebretson, feed.....	130	10.95
Bausch & Lomb Optical Co., drugs.....	131	89.73
Chas. P. Berkey, lantern slides.....	132	23.00
The Minneapolis General Electric Co., electric lighting.....	154	1.29
Lyman-Ellel Drug Co., drugs.....	155	28.36
Noyes Bros. & Cutler, drugs.....	156	27.57
C. W. Menelly, groceries.....	163	.13
Minneapolis Photo Materials Co., photo materials.....	164	56.89
W. K. Morrison & Co., hardware.....	172	8.05
Ives-Kromskop Co., lantern.....	190	75.00
Elmer & Amend, physical apparatus.....	194	40.19
Oswald Weigel, books.....	195	52.74
William Wesley & Son, books.....	197	32.10
D. W. Sprague, accountant, freight, express, postage and extra help.....	206	33.67
Petty bills, miscellaneous supplies.....	201	12.34
Metropolitan Music Co., piano rent.....	203	8.00
J. H. Constantine, cabinet work.....	268	42.00
Minneapolis Gas Light Co., gas.....	272	66.43
W. K. Morrison & Co., hardware.....	283	2.79
Minneapolis Electric & Construction Co., desk fan.....	287	12.00
Electric Engineering Co., electrical supplies.....	288	73.27
The University Book Store, stationery.....	290	12.25
F. J. Willman, three frames.....	291	24.00
John A. Schlenner & Co., stationery.....	292	4.33
Library Bureau, cards.....	293	14.40
Elmer & Amend, physical apparatus.....	294	209.06
Elgin R. Shepard, bromides.....	295	15.00
W. C. Wyckoff, camera stand.....	296	5.50
Thomas G. Thrum, books.....	297	30.75
R. B. Thompson, lumber.....	307	9.85
Lyman-Ellel Drug Co., drugs.....	314	8.92
Minneapolis Gas Light Co., gas chimneys, etc.....	315	1.75
Minneapolis Photo Materials Co., photo supplies.....	327	15.92
Gardner-Warner Hardware Co., hardware.....	346	79.68
Wagner & Nelson, painting and finishing tables.....	347	76.65
Naraganset Machine Co., manometer, etc.....	351	140.28
Torrey Botanical Club, three volumes Memoirs.....	352	9.00
Andrew P. Lorence, table.....	353	10.79
Noyes Bros. & Cutler, drugs.....	355	208.65
R. Friedlander & Sohn, books.....	368	9.51

	No. Voucher.	Amount.
William Wesley & Son, books.....	369	15.05
Conway MacMillan, expenses collecting class material.....	371	10.20
Bausch & Lomb Optical Co., physical apparatus.....	374	278.91
F. W. Wamsley, laboratory supplies.....	377	15.35
John C. Brown, biological specimens.....	378	50.80
D. W. Sprague, accountant, freight, express, postage and extra help.....	381	83.06
Petty bills, miscellaneous supplies.....	382	6.54
Minneapolis Gas Light Co., gas.....	450	83.85
Edwin R. Williams, draughting supplies.....	460	4.10
The University Book Store, stationery.....	462	52.54
The Twin City Projecting Co., gas and limes.....	463	8.55
Lyman-Elieel Drug Co., drugs.....	464	6.86
R. M. Chapman, lightning jars.....	465	31.80
N. W. Distilled Water Co., distilled water.....	466	5.00
Electric Machinery Co., generator.....	467	372.00
Minneapolis Photo Materials Co., photo materials.....	470	29.48
Janney, Semple, Hill & Co., hardware.....	471	1.86
Kennedy Bros., vaulting horses, etc.....	472	296.75
McClellan Paper Co., paper.....	477	18.74
Richards & Co., Limited, laboratory supplies.....	478	73.70
Conway MacMillan, books.....	480	107.85
M. E. Anderson, work on chemical laboratory.....	483	46.17
Otto Rood, drugs.....	484	8.60
Electrical Engineering Co., electrical supplies.....	489	5.16
W. M. Simms, hardware.....	503	16.26
W. K. Morrison & Co., hardware.....	508	15.04
Noyes Bros. & Cutler, drugs.....	519	43.57
L. Paulle, book cases.....	521	108.50
The University Press, stationery.....	524	2.50
C. J. Hibbard, microscope.....	526	15.00
John A. Schlener & Co., impression book.....	528	1.35
Buffalo Dental Manufacturing Co., furnaces, etc.....	529	14.62
Charles J. Chamberlain, drawings.....	536	5.00
Hermann Baker & Co., resistance wire.....	538	11.15
James G. Biddle, batteries.....	539	57.30
E. & H. T. Anthony & Co., camera.....	542	12.00
George R. Swain, lantern slides.....	549	23.49
C. W. Hall, paid for stamps, etc.....	550	8.04
Minneapolis General Electric Co., electric lighting.....	551	15.60
Minneapolis General Electric Co., electric lighting.....	552	2.26
Wm. D. Galvin, services Political Science.....	554	50.00
C. L. Whittle, diamond saw.....	555	5.25
Charles L. Smith, books.....	557	54.85
Gene Lilley, library work.....	558	13.00
Minneapolis Collector of Customs, import duties.....	559	414.71
Bausch & Lomb Optical Co., physical apparatus.....	560	58.19
John R. Barrows, botanical specimens.....	561	8.70
Petty bills, miscellaneous supplies.....	562	20.99
Gustav Fock, books.....	563	12.43
A. B. Benson, work on chemical laboratory.....	566	60.48
D. W. Sprague, accountant, freight, express, postage and extra help.....	568	47.16
Heywood Manufacturing Co., trays.....	569	33.00
Minneapolis General Electric Co., electric lighting.....	571	105.02
The Great Western Printing Co., stationery.....	633	13.00
James W. Day, ice.....	637	75.71
The Pioneer Press Co., binding.....	642	132.25
New England Furniture & Carpet Co., desks, chairs, etc.....	643	56.50
John H. Fouch, photo materials.....	644	29.35
Minneapolis Photo Materials Co., photo materials.....	645	39.45
C. E. Van Duzee, gas and limes.....	646	13.00
G. F. Kriessel, steel blocks.....	647	8.00
The University Book Store, prisms, etc.....	649	8.05
National Brass & Metal Co., brass.....	650	9.30
The Plumbing & Steamfitting Co., plumbing materials.....	651	11.36
The G. W. Frey Co., chandelier fixtures.....	652	65.00
W. K. Morrison & Co., hardware.....	653	7.27
Chas. T. Leonard Co., canvas ball.....	654	20.00
Central Wood Turning Co., boxes.....	655	20.00
Noyes Bros. & Cutler, drugs.....	656	253.55
David F. Swanson, telestereoscope.....	657	6.50
M. E. Anderson, electric wiring.....	658	8.60
McClellan Paper Co., paper.....	659	7.77
George B. Frankforter, sundry disbursements.....	660	6.29
G. E. Stechert, books.....	661	10.62
Electrical Engineering Co., electrical supplies.....	662	45.08
Hermann Boker & Co., resistance wire.....	663	50.44
The Minneapolis General Electric Co., electric lighting.....	664	10.10
Janney, Semple, Hill & Co., hardware.....	670	8.40



	No. Voucher.	Amount.
R. B. Thompson, lumber.....	672	7.28
Lyman-Elie! Drug Co., drugs.....	678	6.19
W. M. Simms, hardware.....	680	29.73
M. F. Patterson, dental supplies.....	685	10.00
Tele Fone Cann, shades.....	707	12.80
Geo. L. English & Co., minerals.....	708	32.10
Supply Department of Marine Biological Laboratory, biological specimens.....	710	114.35
Bohm & Wiedemann, physical apparatus.....	713	51.60
William Wesley & Son, books.....	714	7.68
W. W. Eggleston, sheets of New England plants.....	715	10.00
C. J. Hibbard, services manufacturing photographs, etc.....	716	100.00
Max Kaehler & Martin, chemical apparatus.....	717	3,077.83
Clayton R. Cooley, deputy collector, duties on apparatus and bottles.....	719	388.40
D. W. Sprague, accountant, freight, express, postage and extra help.....	721	134.17
The Pioneer Press Co., diplomas.....	722	40.00
Glessner & Washburn, chairs and shades.....	723	141.88
Incandescent Gas Light Co., burners, etc.....	728	10.00
The Minneapolis General Electric Co., electric lighting.....	730	18.98
Kennedy Bros., bladders and rings.....	731	14.00
Leslie & McAfee, paper.....	737	1.75
Edwin R. Williams, mimeograph.....	741	50.00
Petty bills, miscellaneous supplies.....	748	25.50
Chas. P. Sigerfoos, collecting materials for class.....	749	25.84
Minneapolis Gas Light Co., gas.....	750	89.18
Metropolitan Music Co., rent piano, armory.....	752	12.00
A. J. Kreger, work in Chemical Building.....	754	34.37
H. W. Henshaw, platinotypes.....	814	44.00
The University Press, stationery.....	822	4.75
W. K. Morrison & Co., hardware.....	828	8.57
Electrical Engineering Co., electrical supplies.....	829	2.04
Heywood Manufacturing Co., cases.....	831	10.00
The University Press, stationery.....	835	8.25
W. M. Simms, hardware.....	836	19.15
R. B. Thompson, lumber.....	840	5.04
John A. Schlenner & Co., stationery.....	841	18.50
University of Chicago, stationery.....	842	5.05
Northwestern Incandescent Light Co., one portable.....	843	5.00
Edwin R. Williams, miscellaneous supplies.....	844	7.25
J. M. Holzinger, botanical supplies.....	845	6.90
Minneapolis Photo Materials Co., photo supplies.....	846	16.75
L. Paulle, show cases.....	847	56.50
Dr. Otto Kuntze, geological supplies.....	849	26.35
Geo. J. Sherer, shields.....	850	14.50
Noyes Bros. & Cutler, drugs.....	852	3.00
A. W. Townsend, tinware.....	853	10.00
Whittlesey Gas & Electric Fixture Co., gas fixtures.....	855	67.00
The University Book Store, stationery.....	859	18.18
The Minneapolis General Electric Co., electric current.....	863	7.18
Bausch & Lomb Optical Co., physical apparatus.....	865	64.38
Gene Lilley, work in botanical library.....	868	17.50
Minneapolis Photo Materials Co., photo supplies.....	869	4.65
Minneapolis Office & School Furniture Co., furniture.....	872	15.00
Metropolitan Music Co., musical supplies.....	873	37.80
Lyman-Elie! Drug Co., drugs.....	888	7.52
G. E. Stechert, books.....	900	8.79
The Macmillan Co., subscription to "Science".....	901	15.00
J. B. Colt & Co., electric lamp.....	903	49.00
T. H. Hibben & Co., B. A. charts.....	926	13.53
C. J. Hibbard, services as photographer.....	930	100.00
Morgan Import Freight & Customs Agency, sundry disbursements.....	933	13.00
The Minneapolis General Electric Co., electric current.....	935	8.84
D. W. Sprague, accountant, freight, express, postage and extra help.....	936	39.43
Lawrence E. Griffin, anatomical and embryological material.....	937	50.00
Petty bills, miscellaneous supplies.....	938	40.96
Allan C. Benham, work in the English Department.....	938 <sup>1/2</sup>	50.00
Minneapolis Gas Light Co., gas.....	1005	78.84
Minneapolis Gas Light Co., gas.....	1006	85.44
Metropolitan Music Co., rent of piano.....	1007	8.00
John A. Schlenner & Co., stationery.....	1008	.90
Fairbanks, Morse & Co., scales and weights.....	1009	34.00
W. K. Morrison & Co., hardware.....	1014	1.10
Carl F. Thayer, miscellaneous supplies.....	1028	19.65
W. M. Simms, hardware.....	1028	2.26
Kennedy & Co., sporting goods.....	1029	56.70
Noyes Bros. & Cutler, drugs.....	1031	6.85

	No. Voucher.	Amount.
The Minneapolis General Electric Co., electric lights.....	1032	16.70
McIntosh Stereopticon Co., arc lamp and objective.....	1033	28.80
Minneapolis Photo Materials Co., one weight.....	1035	.50
John H. Fouch, photo material.....	1039	10.87
W. D. Galvin, services.....	1042	50.00
Noyes Bros. & Cutler, drugs.....	1047	6.00
The University Book Store, books.....	1060	3.63
Torrey Botanical Club, index cards.....	1069	8.56
Paul A. Schmitt, music.....	1070	17.00
Harold L. Lyon, travel expense.....	1076	7.23
The Minneapolis General Electric Co., electric lights.....	1077	7.32
C. J. Hibbard, service Department of Botany.....	1080	100.00
Oswald Weigel, books.....	1095	124.80
Simmel & Co., books.....	1096	6.00
C. W. Hall, miscellaneous supplies.....	1100	25.50
Petty bills, miscellaneous supplies.....	1101	12.55
E. C. Pollard, H. T. W. machine.....	1103	75.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	1104	22.66
Frederick S. Jones, expenses Intercollegiate Conference.....	1105	7.40
Minneapolis Office & School Furniture Co., cabinets.....	1106	72.00
Central School Supply House, balance bill, maps.....	1107	35.00
W. K. Morrison & Co., hardware.....	1167	1.25
The Minneapolis General Electric Co., electric lighting.....	1169	14.05
Menzell & Jeffery, 100 stands.....	1183	100.00
Pioneer Press Co., binding, etc.....	1189	193.15
Electrical Engineering Co., electric supplies.....	1192	13.01
Paul A. Schmitt, music.....	1193	15.00
Central Wood Turning Co., bases.....	1194	12.50
Minneapolis Jewelry Manufacturing Co., clock.....	1197	5.50
Evans, Munzer, Pickering & Co., shades.....	1198	120.23
Edwin R. Williams, stationery.....	1199	3.60
Adrian Butts, sections of rods.....	1201	7.20
C. W. Hall, frames and glass.....	1202	6.30
C. W. Hall, preparing syllabus.....	1203	17.64
W. M. Simms, hardware.....	1205	3.28
The University Book Store, books and stationery.....	1217	6.47
Noyes Bros. & Cutler, drugs.....	1219	162.10
John H. Fouch, slide plates.....	1226	4.83
C. W. Menelly, groceries.....	1228	1.40
Richards & Co., Limited, chemical apparatus.....	1230	10.00
John A. Schlener & Co., stationery.....	1233	.90
Hausch & Lomb Optical Co., physical apparatus.....	1239	24.15
Geo. L. English & Co., mineral specimens.....	1242	80.38
G. E. Stechert, books.....	1243	10.00
A. J. Dahl & Co., books.....	1248	26.90
Geo. H. Normington, salary, director of music.....	1253	50.00
The Minneapolis Gas Light Co., gas.....	1270	80.76
Petty bills, miscellaneous supplies.....	1285	15.76
Jane Kennedy, medical examinations.....	1287	50.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	1288	105.66
Clayton R. Cooley, deputy collector, duties on importations.....	1289	466.05
The Minneapolis General Electric Co., electric lighting.....	1337	16.70
The Minneapolis General Electric Co., electric lighting.....	1338	11.80
J. A. Sandell, tin pipe.....	1339	8.10
Metropolitan Music Co., charges for piano.....	1343	16.00
Minneapolis Gas Light Co., gas.....	1346	85.56
Glessner & Washburn, shades.....	1355	16.00
Minneapolis Photo Materials Co., photo materials.....	1356	33.21
Edwin R. Williams, stationery.....	1357	6.05
O. H. Peck, photographic materials.....	1358	14.75
John H. Fouch, photographic materials.....	1359	5.13
W. M. Simms, hardware.....	1360	2.10
C. W. Menelly, groceries.....	1371	6.01
Lyman-Elieel Drug Co., drugs.....	1372	16.79
Electrical Engineering Co., electrical supplies.....	1375	6.66
Kennedy Bros., balls and cords.....	1384	6.50
C. W. Hall, miscellaneous supplies.....	1385	14.05
Noyes Bros. & Cutler, drugs.....	1389	110.88
C. J. Hibbard, services as photographer, etc.....	1395	103.25
The Minneapolis General Electric Co., electric lighting.....	1396	5.47
Bausch & Lomb Optical Co., 134 packs.....	1407	10.93
F. S. Collins, fascicle.....	1409	5.00
Elgin R. Shepard, lantern slides.....	1410	72.50
A. C. Benham, E. B. Benham's services.....	1411	50.00
Petty bills, miscellaneous supplies.....	1414	23.56
Buchandlung Gustav Fork, books.....	1416	16.05
Geo. L. Houghton, fixtures for globe.....	1417	6.50

UNIVERSITY BOARD OF REGENTS.

35

	No. Voucher.	Amount
David P. Jones, slides.....	1420	27.50
Miss Felicitas Mareck, clerical work.....	1438	15.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	1439	47.87
Minneapolis Gas Light Co., gas.....	1492	78.00
W. M. Simms, hardware.....	1499	21.13
J. H. Constantine, casing windows and doors.....	1505	18.00
Boutell Bros., chair.....	1506	30.00
Bausch & Lomb Optical Co., drugs.....	1508	21.49
Minneapolis Photo Materials Co., photo materials.....	1515	24.30
The Minneapolis General Electric Co., electric lighting.....	1519	11.68
Richards & Co., Limited, barometer.....	1520	9.15
C. W. Menelly, groceries.....	1521	17.07
W. S. Kienholz, cleaning laboratory apparatus.....	1523	8.25
F. J. Willmann, picture frames.....	1524	14.80
Board of Education, attachment for projection apparatus.....	1525	75.00
John H. Fouch, photo material.....	1526	30.00
Lyman-Ellet Drug Co., drugs.....	1527	11.20
Electrical Engineering Co., electrical supplies.....	1528	1.62
Evans, Munzer, Pickering & Co., shades, etc.....	1529	33.95
H. E. Murdock, card cutter and trimmer.....	1530	13.00
Minneapolis Jewelry Manufacturing Co., gold medal.....	1531	10.00
The University Book Store, books.....	1537	4.55
Simonson Bros. Manufacturing Co., whitewood.....	1544	1.93
J. A. Towers, desk.....	1546	15.00
Josephine A. Clark, index cards.....	1548	26.25
Noyes Bros. & Cutler, drugs.....	1551	46.33
W. D. Galvin, services first term.....	1553	50.00
William Wesley & Son, books.....	1555	57.40
Oswald Weigel, books.....	1556	14.95
R. Friedlander & Sohn, books.....	1557	15.60
Allen C. Benham, services in English Department.....	1563	50.00
A. W. Campbell, carriage.....	1564	3.00
The Minneapolis General Electric Co., electric lighting.....	1565	3.56
Petty bills, miscellaneous supplies.....	1581	16.50
D. W. Sprague, accountant, freight, express, postage and extra help.....	1582	15.43
George H. Normington, services as musical director.....	1583	70.00
The University Press, stationery.....	1638	7.50
Minneapolis Gas Light Co., gas.....	1645	29.76
The Minneapolis General Electric Co., electric lighting.....	1651	5.63
G. E. Stechert, books.....	1652	11.97
Alfred L. Robbins-Martin Co., physical apparatus.....	1653	64.44
Ella C. Ruscoe, correcting examination papers.....	1654	6.25
E. E. McDermott, special training in debate.....	1655	100.00
Minneapolis Photo Materials Co., photo materials.....	1656	10.20
C. E. Van Duzee, filling gas cylinders.....	1657	26.25
W. W. Dakin, miscellaneous supplies.....	1658	275.00
The Minneapolis General Electric Co., electric lighting.....	1661	1.05
H. A. Grow, draughting.....	1670	31.20
The University Book Store, books, etc.....	1671	24.50
Petty bills, miscellaneous supplies.....	1699	2.50
Chas. P. Sigenfoos, dry goods.....	1701	17.75
A. J. Dahl & Co., books.....	1739	5.10
C. O. Rosendahl, drawing maps.....	1740	6.00
Minneapolis Photo Materials Co., velox, etc.....	1741	8.37
McClellan Paper Co., paper.....	1756	36.98
Max Kaehler & Martin, chemical apparatus.....	1762	2,749.91
D. W. Sprague, accountant, freight, express, postage and extra help.....	1763	6.20
Petty bills, miscellaneous supplies.....	1764	15.13
C. J. Hibbard, photo materials.....	1765	8.20
C. J. Hibbard, making lantern slides.....	1766	150.00
The University Book Store, books.....	1768	13.15
Charles Scribner's Sons, books.....	1769	8.70
John H. Fouch, negative films.....	1770	57.60
Pioneer Press Co., binding 55 volumes.....	1771	60.50
Total.....		\$120,450.75

THE COLLEGE OF ENGINEERING AND THE MECHANIC ARTS.

CURRENT EXPENSE.

	No. Voucher.	Amount.
Henry T. Eddy, professor of Engineering and Mechanics.....		\$2,200.00
John J. Flather, professor of Mechanical Engineering.....		2,200.00
William R. Hoag, professor of Civil Engineering.....		2,000.00

	No. Voucher.	Amount.
Arthur E. Haynes, professor of Mathematics.....		2,000.00
Frank H. Constant, professor of Structural Engineering.....		1,320.00
Harry E. Smith, assistant professor of Mechanical Engineering.....		1,600.00
William H. Kirchner, assistant professor of Drawing.....		1,500.00
Frank W. Springer, assistant professor of Electrical Engineering.....		1,075.00
James M. Tate, instructor in Carpentry.....		900.00
William H. Merriman, instructor in Machine Work.....		800.00
C. Coleman Jett, instructor in Machine Design and Drawing.....		800.00
Amelia I. Burgess, instructor in Freehand Drawing.....		700.00
Henrietta Clopath, instructor in Freehand Drawing.....		700.00
Nellie S. Trufant, instructor in Drawing.....		600.00
Joseph A. Thaler, instructor in Engineering Mathematics.....		300.00
William B. Newhall, student assistant.....		225.00
Charles E. Crownover, scholar.....		280.00
E. D. Cummings, instructor in Standard Engineering.....		250.00
Louis H. Ashbaugh, scholar.....		20.00
Argyle Buck, janitor.....		600.00
Harry Dixon, engineer.....		550.00
John Arbuster, machinist.....		540.00
George Plowman, engineer.....		60.00
Minneapolis Gas Light Co., gas.....	56	3.12
Twin City Paint Co., plaster of Paris.....	70	5.50
Minneapolis Photo Materials Co., photo material.....	72	5.40
M. O. Stone, general jobbing.....	73	22.05
W. K. Morrison & Co., hardware.....	74	28.35
Electric Machinery Co., generator and motors.....	75	625.00
Northwestern Foundry, castings.....	76	9.33
W. M. Simms, hardware.....	83	6.55
J. Gilmour, cupola.....	100	220.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	35.45
Petty bills, miscellaneous supplies.....	110	9.95
Minneapolis Gas Light Co., gas.....	117	3.77
Edwin R. Williams, draughting supplies.....	117	1.50
W. J. Hall, shelves.....	125	11.50
The University Book Store, books.....	127	.25
Electric Machinery Co., rheostat.....	134	12.20
Twin City Van & Storage Co., teaming.....	135	34.75
Charles Peterson, machinery foundation.....	136	15.10
M. O. Stone, labor.....	137	12.45
Northwestern Star Oil Co., Star oil.....	138	9.25
John F. Wilcox, lumber.....	139	42.89
E. O. Parker, molding sand.....	140	15.00
James G. Biddle, electrical machinery.....	141	100.50
Pioneer Fuel Co., coal.....	147	14.40
Charles Peterson, repairing boiler setting.....	152	30.00
Weston Electrical Instrument Co., volt meter, etc.....	153	75.83
Standard Oil Co., oil.....	158	1.95
Janney, Semple, Hill & Co., hardware.....	162	3.68
Minneapolis Photo Materials Co., book, etc.....	164	.50
Stoddard Hardware Co., hardware.....	168	70.14
W. K. Morrison & Co., hardware.....	172	.15
Louis Sundgren, labor.....	191	15.12
R. Sauter, labor.....	192	75.12
J. Gilmour, cupola lining.....	193	16.00
Riehle Bros. Testing Machine Co., test plates.....	199	18.10
D. W. Sprague, accountant, freight, express, postage and extra help.....	206	27.67
Petty bills, miscellaneous supplies.....	201	13.23
Kuhlo & Ellerbe, engineer's transit.....	202	185.00
W. M. Simms, hardware.....	269	12.29
Minneapolis Gas Light Co., gas.....	272	4.03
Minneapolis Office & School Furniture Co., tables.....	278	101.00
W. K. Morrison & Co., hardware.....	283	.14
W. S. Nott Co., leather.....	284	1.44
Twin City Iron Works, castings, etc.....	308	31.91
Electric Engineering Co., electrical supplies.....	288	86.41
Crocker-Wheeler Co., motors.....	289	322.00
Northwestern Electric Co., marble switchboard.....	298	153.74
M. Christenson, fire brick.....	300	20.20
Whiting Foundry Equipment Co., blast gauge.....	301	5.00
Charles Peterson, lining cupola.....	302	35.00
Northwestern Belting Co., work on belt, etc.....	303	44.47
Wm. Bros, eight pieces steel.....	304	11.00
Edwin R. Williams, draughting supplies.....	305	2.69
Northwestern Foundry, castings.....	306	43.61
R. B. Thompson, lumber.....	307	30.75
University Cycle Exchange, dynamo.....	309	6.00
Nelson Tutill Lumber Co., lumber.....	310	47.45
Robinson & Cary Co., shafting.....	311	18.00

UNIVERSITY BOARD OF REGENTS.

	No.	Voucher.	Amount.
Minneapolis Iron Stove Co., shafting.....	312		35.10
Lyman-Eliel Drug Co., drugs.....	314		.75
Chas. E. Tuller, laboratory work.....	348		15.50
Frank W. Springer, electrical supplies.....	349		23.19
A. J. Kreger, wiring.....	350		27.80
The Colorado Lamp Co., 100 lamps.....	354		18.00
A. D. Houlton, moving laboratory.....	357		35.25
Bryan Marsh Co., lamps.....	359		50.00
Weston Electrical Instrument Co., meters, etc.....	360		224.88
D. W. Sprague, accountant, freight, express, postage and extra help.....	381		20.82
Petty bills, miscellaneous supplies.....	382		5.80
Minneapolis Gas Light Co., gas.....	450		5.20
Pioneer Fuel Co., coal.....	455		30.58
Edwin R. Williams, blue print.....	460		1.75
The University Book Store, stationery.....	462		1.25
Wm. C. Bailey, lumber.....	468		13.02
Littlefield & Grk, hot air supplies.....	469		27.93
Minneapolis Photo Materials Co., photo materials.....	470		3.10
Janney, Semple, Hill & Co., hardware.....	471		8.42
Louis Sundgren, labor.....	473		32.76
Stoddard Hardware Co., hardware.....	474		119.29
John F. McDonald Lumber Co., lumber.....	475		61.84
Plumbing & Steamfitting Supplies Co., metal dies.....	476		2.01
Minneapolis Office & School Furniture Co., wire rack.....	479		9.00
J. Danner, wiring.....	481		12.00
M. E. Anderson, wiring.....	482		8.25
B. Garbett, assistant in foundry.....	485		54.00
Amos D. Houlton, wiring.....	486		11.00
Guy J. Houts, wiring.....	487		12.25
Guy J. Houts, wiring.....	488		9.00
Electrical Engineering Co., electrical supplies.....	489		124.77
Chas. T. Leonard Co., machine covers.....	490		8.25
R. B. Thompson, lumber.....	491		33.28
Twin City Iron Works, iron.....	492		33.70
L. S. Broadway, two instrument cases.....	493		18.00
Fairbanks, Morse & Co., truck.....	495		3.25
H. L. Swain & Co., coal.....	502		20.15
W. M. Simms, hardware.....	503		19.18
W. K. Morrison & Co., hardware.....	508		4.26
W. S. Nott Co., belting.....	510		91.58
Frank W. Springer, sundry disbursements.....	525		25.80
A. J. Kreger, wiring, etc.....	527		29.26
John J. Flather, telegrams, etc.....	537		10.87
Weston Electrical Instrument Co., repairing Watt meter.....	540		9.15
E. O. Parker, molding sand.....	541		6.00
Petty bills, miscellaneous supplies.....	562		21.87
Kuhlo & Ellerbe, range poles, etc.....	565		17.50
D. W. Sprague, accountant, freight, express, postage and extra help.....	568		8.45
Minneapolis General Electric Co., electric lighting.....	571		12.50
James W. Day, ice.....	637		54.80
J. H. Constantine, drawing board boxes.....	648		10.00
W. K. Morrison & Co., hardware.....	653		4.21
Electrical Engineering Co., electrical supplies.....	662		.80
The Minneapolis General Electric Co., electric lighting.....	664		8.46
Minneapolis Office & School Furniture Co., tables.....	665		223.00
Twin City Iron Works, scrap iron.....	666		25.75
H. A. Hamlin, test bars.....	667		9.79
Fred J. Scott, printing.....	668		11.75
Northwestern Foundry, castings.....	669		79.04
Janney, Semple, Hill & Co., hardware.....	670		25.00
Stoddard Hardware Co., hardware.....	671		16.05
R. B. Thompson, lumber.....	672		4.92
W. M. Simms, hardware.....	680		4.63
Standard Oil Co., gasoline.....	706		8.63
Clayton R. Cooley, deputy collector, duties on goods from Southampton.....	718		73.95
D. W. Sprague, accountant, freight, express, postage and extra help.....	721		8.75
W. M. Simms, hardware.....	726		2.35
Minneapolis Office & School Furniture Co., six draughting tables.....	747		108.00
Electrical Engineering Co., electrical supplies.....	745		32.54
Petty bills, miscellaneous supplies.....	748		5.57
Minneapolis Gas Light Co., gas.....	750		8.84
A. J. Kreger, wiring, new shops.....	753		15.00
Pioneer Fuel Co., coal.....	819		118.94
W. K. Morrison & Co., hardware.....	828		10.33
Electrical Engineering Co., electrical supplies.....	829		5.99
Heywood Manufacturing Co., boxes.....	831		16.50

	No. Voucher.	Amount.
W. S. Nott Co., belting.....	834	57.15
W. M. Simms, hardware.....	836	4.41
H. L. Swain & Co., coal.....	837	12.50
H. A. Hamlin, castings.....	838	9.10
Stoddard Hardware Co., hardware.....	839	9.47
R. B. Thompson, lumber.....	840	6.56
Minneapolis Photo Materials Co., photo supplies.....	846	13.22
John H. Fouch, camera, etc.....	848	11.80
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	851	8.67
Noyes Bros. & Cutler, drugs.....	852	1.11
Geo. D. Shepardson, electrical supplies.....	854	5.99
Victor Electrical Co., one pair motors.....	856	90.00
The University Press, stationery.....	857	2.75
The University Book Store, stationery.....	859	30.77
The Minneapolis General Electric Co., electric lighting.....	863	3.80
H. E. Smith, stamp and express.....	864	5.45
Frank W. Springer, electrical supplies.....	867	92.08
Minneapolis Photo Materials Co., photo supplies.....	869	4.18
Minneapolis Office & School Furniture Co., furniture.....	872	12.00
Lyman-Elie! Drug Co., drugs.....	888	11.42
St. Paul Electric Co., electric supplies.....	904	9.36
Morgan Import Freight & Customs Agency, filing protest.....	933	2.00
F. Darton & Co., freight, etc.....	934	22.37
The Minneapolis General Electric Co., electric current.....	935	17.01
D. W. Sprague, accountant, freight, express, postage and extra help.....	936	42.65
Petty bills, miscellaneous supplies.....	938	11.88
Janney, Semple, Hill & Co., hardware.....	882	40.85
Minneapolis Gas Light Co., gas.....	1005	6.36
Minneapolis Gas Light Co., gas.....	1006	5.70
W. K. Morrison & Co., hardware.....	1014	1.43
Pioneer Fuel Co., coal.....	1024	47.41
The Munson Stationery Co., stationery.....	1027	28.41
W. M. Simms, hardware.....	1028	9.02
Edwin R. Williams, rolls print.....	1030	5.80
Wm. C. Bailey, hardwood lumber.....	1034	22.14
Minneapolis Photo Materials Co., photo materials.....	1035	3.55
Minneapolis Brass & Iron Manufacturing Co., castings.....	1036	7.15
Stoddard Hardware Co., hardware.....	1037	5.58
Twin City Iron Works, castings.....	1038	17.03
The John F. McDonald Lumber Co., pine.....	1040	41.06
Noyes Bros. & Cutler, drugs.....	1047	4.00
Electrical Engineering Co., electrical supplies.....	1054	5.64
Lyman-Elie! Drug Co., drugs.....	1055	9.00
The University Book Store, books.....	1060	1.50
Miss H. Clopath, ticking.....	1061	5.90
Fred J. Scott, printing.....	1065	2.75
The University Press, stationery.....	1071	4.95
Weston Electrical Instrument Co., electrical instrument.....	1073	15.00
The Minneapolis General Electric Co., electric power.....	1074	6.27
The Minneapolis General Electric Co., electric lights.....	1077	.20
James J. Hicks, photosophical instruments.....	1098	44.53
R. Alexander, section of lockers.....	1099	29.00
Petty bills, miscellaneous supplies.....	1101	17.44
D. W. Sprague, accountant, freight, express, postage and extra help.....	1104	6.55
W. K. Morrison & Co., hardware.....	1167	1.68
Pioneer Fuel Co., coal.....	1168	43.17
The Minneapolis General Electric Co., electric lighting.....	1169	1.64
Minneapolis International Electric Co., rent of meters.....	1184	15.00
Twin City Iron Works, flanged pulleys.....	1186	
H. L. Swain & Co., coal.....	1183	12.50
Twin City Iron Works, flanged pulleys.....	1186	15.00
Minneapolis Office & School Furniture Co., cabinets.....	1187	32.00
Minneapolis Photo Materials Co., photo materials.....	1188	9.46
Frank W. Springer, miscellaneous supplies.....	1190	39.90
Frank W. Springer, miscellaneous supplies.....	1191	24.04
Electrical Engineering Co., electric supplies.....	1192	1.10
R. B. Thompson, lumber.....	1195	6.62
L. S. Brockway, boxes.....	1196	5.00
Edwin R. Williams, stationery.....	1199	8.45
John J. Flather, expenses to Duluth, etc.....	1200	15.20
Minneapolis Stamp & Stencil Co., steel stamps, etc.....	1204	6.30
W. M. Simms, hardware.....	1205	15.10
Twin City Iron Works, automatic engine.....	1206	150.00
Janney, Semple, Hill & Co., hardware.....	1207	7.28
Stoddard Hardware Co., hardware.....	1208	44.66
General Electric Co., meter.....	1241	37.50
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1247	47.77
The Minneapolis Gas Light Co., gas.....	1279	4.92

UNIVERSITY BOARD OF REGENTS.

	No. Voucher.	Amount
Crosby Steam Gauge & Valve Co., planimeter.....	1283	22.50
Petty bills, miscellaneous supplies.....	1285	12.83
D. W. Sprague, accountant, freight, express, postage and extra help.....	1288	34.68
The Minneapolis General Electric Co., electric lighting.....	1337	68.70
The Minneapolis General Electric Co., electric lighting.....	1338	11.21
Pioneer Fuel Co., coal.....	1344	53.93
Minneapolis Gas Light Co., gas.....	1346	5.88
Fred J. Scott, printing.....	1347	4.00
Minneapolis Photo Materials Co., photo materials.....	1356	1.00
Edwin R. Williams, stationery.....	1357	2.40
R. B. Thompson, lumber.....	1363	8.60
Stoddard Hardware Co., hardware.....	1364	33.87
Northwestern Foundry, castings.....	1365	11.89
Minneapolis Stamp & Stencil Co., brass checks.....	1366	8.00
Frank W. Springer, miscellaneous supplies.....	1367	15.58
Arnold Kuhlo, engineering instruments.....	1368	42.00
W. M. Simms, hardware.....	1369	5.80
Lyman-Elie! Drug Co., drugs.....	1372	2.40
Electrical Engineering Co., electrical supplies.....	1375	2.48
The Minneapolis General Electric Co., electric lighting.....	1396	.50
H. A. Smith, books.....	1398	6.00
Crescent Steel Co., steel.....	1405	65.28
Buffalo Forge Co., blower.....	1406	33.00
Frank W. Springer, miscellaneous supplies.....	1413	10.25
Petty bills, miscellaneous supplies.....	1414	19.11
D. W. Sprague, accountant, freight, express, postage and extra help.....	1439	27.37
Minneapolis Gas Light Co., gas.....	1492	5.04
W. M. Simms, hardware.....	1499	3.98
Northwestern Foundry, castings.....	1509	61.89
Janney, Semple, Hill & Co., hardware.....	1510	9.40
Fred A. Rich, veneer.....	1511	14.40
John F. Wilcox, pine.....	1512	81.00
W. S. Nott Co., belting.....	1513	10.80
Stoddard Hardware Co., hardware.....	1514	34.95
Minneapolis Photo Materials Co., photo supplies.....	1515	11.60
The Minneapolis General Electric Co., electric lighting.....	1519	15.80
W. H. Merriman, travel expenses.....	1522	9.00
Lyman-Elie! Drug Co., drugs.....	1527	7.80
Electrical Engineering Co., electrical supplies.....	1528	18.95
Fairbanks, Morse & Co., tester.....	1536	90.00
The University Book Store, stationery.....	1537	.80
Twin City Iron Works, turned steel, etc.....	1540	9.25
The Whitney Manufacturing Co., drill chucks, etc.....	1549	12.96
The Minneapolis General Electric Co., electric lighting.....	1565	1.60
Crescent Steel Co., steel.....	1570	21.27
Petty bills, miscellaneous supplies.....	1581	24.69
D. W. Sprague, accountant, freight, express, postage and extra help.....	1582	4.56
The John Leslie Paper Co., paper.....	1632	1.80
Minneapolis Gas Light Co., gas.....	1645	3.96
The Minneapolis General Electric Co., electric lighting.....	1651	.20
Geo. F. Shepardson, miscellaneous supplies.....	1659	19.55
John J. Flather, miscellaneous supplies.....	1660	9.50
The Minneapolis General Electric Co., electric lighting.....	1661	9.66
John Reid, work on cylinders, etc.....	1662	18.65
Stoddard Hardware Co., hardware.....	1663	29.62
Twin City Paint Co., plaster of Paris.....	1664	9.00
Edwin R. Williams, Imperial cloth, etc.....	1665	11.44
Northern Machinery Co., chucks and jaws.....	1668	106.48
Weston Electrical Instrument Co., volt meter.....	1668	12.66
The University Book Store, stationery.....	1671	1.75
Lyman-Elie! Drug Co., drugs.....	1672	1.10
Standard Oil Co., gasoline.....	1695	5.78
Northwestern Star Oil Co., dynamo oil.....	1700	6.00
Minneapolis Photo Materials Co., velox.....	1741	2.30
The Minneapolis General Electric Co., Watt meters.....	1742	50.00
Petty bills, miscellaneous supplies.....	1764	3.47
Geo. D. Shepardson, desk and battery.....	1767	48.03
The University Book Store, kodak.....	1768	23.20
Geo. D. Shepardson, office help.....	1777	10.35

Total ..... \$28,674.79

## TWELFTH BIENNIAL REPORT

## THE COLLEGE OF LAW.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
William S. Pattee, dean.....		\$3,500.00
Adam C. Hickman, professor Pleading and Practice.....		2,500.00
James Paige, professor Torts and Criminal Law.....		2,400.00
Henry J. Fletcher, lecturer Contracts and Real Property.....		1,800.00
Edwin A. Jaggard, lecturer Taxation.....		280.00
Howard S. Abbott, lecturer Corporations.....		830.00
John Day Smith, lecturer American Constitutional Law.....		280.00
Robert S. Kollner, lecturer Personal Property.....		690.00
George B. Young, lecturer Conflict of Laws.....		60.00
James O. Pierce, lecturer Constitutional Jurisprudence.....		340.00
C. D. O'Brien, lecturer Criminal Procedure.....		100.00
John C. Sweet, lecturer Mortgage Foreclosure.....		270.00
Jared Howe, lecturer Landlord and Tenant.....		60.00
Charles A. Willard, lecturer.....		210.00
C. M. Ferguson, lecturer.....		70.00
Ransom J. Powell, lecturer in Justice Practice.....		900.00
William Furst, librarian.....		350.00
William W. Folwell, lecturer on International Law.....		210.00
Hugh E. Willis, typewriter.....		460.00
Frank P. Eckert, janitor.....		505.38
Minneapolis Gas Light Co., gas.....	56	.39
T. & J. W. Johnson & Co., books.....	97	417.32
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	23.50
Minneapolis Gas Light Co., gas.....	111	8.58
Fred J. Scott, printing.....	112	3.75
H. L. Collins Co., books.....	142	83.00
The Lawyers' Co-operative Publishing Co., books.....	143	31.50
The University Press, books.....	144	272.50
Frank P. Dufresne, books.....	145	386.85
Petty bills, miscellaneous supplies.....	201	4.90
Minneapolis Gas Light Co., gas.....	272	17.68
A. Engbretson, platform.....	290	8.50
Banks Law Publishing Co., books.....	313	789.80
D. W. Sprague, accountant, freight, express, postage and extra help.....	381	17.50
Minneapolis Gas Light Co., gas.....	450	20.54
The University Book Store, rent of hall.....	462	100.00
H. L. Collins Co., books.....	494	34.15
The University Press, stationery.....	524	24.10
T. & J. W. Johnson & Co., books.....	546	114.08
Minneapolis General Electric Co., electric lighting.....	551	33.29
Petty bills, miscellaneous supplies.....	562	8.15
D. W. Sprague, accountant, freight, express, postage and extra help.....	568	4.55
Minneapolis General Electric Co., electric lighting.....	571	12.57
James W. Day, ice.....	637	9.37
Callaghan & Co., books.....	673	586.50
The University Press, stationery, etc.....	674	183.05
D. W. Sprague, accountant, freight, express, postage and extra help.....	721	1.30
Incandescent Gas Light Co., mantels.....	728	3.25
Minneapolis Gas Light Co., gas.....	750	18.72
John A. Schlener & Co., stationery.....	841	1.50
The University Press, stationery.....	857	13.00
The University Book Store, books and rent hall.....	859	119.00
The Minneapolis General Electric Co., electric current.....	863	21.83
W. S. Pattee, books.....	870	103.20
H. L. Collins Co., books.....	871	111.25
Minneapolis Office & School Furniture Co., furniture.....	872	29.75
T. & J. W. Johnston & Co., books.....	895	149.06
American Law School Association, annual fees.....	905	10.00
Fred J. Scott, envelopes.....	906	23.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	936	1.00
Petty bills, miscellaneous supplies.....	938	4.15
Minneapolis Gas Light Co., gas.....	1005	13.20
Minneapolis Gas Light Co., gas.....	1008	16.44
John A. Schlener & Co., mantels.....	1008	3.00
Incandescent Gas Light Co., mantels.....	1012	6.50
Fred J. Scott, printing.....	1065	4.00
The Minneapolis General Electric Co., electric lights.....	1077	9.53
Minneapolis Office & School Furniture Co., furniture.....	1106	44.00
The University Press, stationery.....	1209	19.75
H. L. Collins Co., books.....	1210	113.35



	No. Voucher.	Amount.
The University Book Store, books, etc.....	1217	75.87
Harrison & Smith Co., stationery.....	1245	28.75
The Boston Book Co., books.....	1274	230.60
Little, Brown & Co., books.....	1275	16.75
The Minneapolis Gas Light Co., gas.....	1279	25.44
Petty bills, miscellaneous supplies.....	1285	4.50
D. W. Sprague, accountant, freight, express, postage and extra help .....	1286	3.50
The Minneapolis General Electric Co., electric lighting.....	1337	13.49
Minneapolis Gas Light Co., gas.....	1346	8.04
H. W. Childs, books.....	1360	90.25
Frank P. Dufresne, books.....	1361	13.50
The University Press, stationery.....	1394	4.25
The Minneapolis General Electric Co., electric lighting.....	1396	11.73
The Boston Book Co., books.....	1400	362.00
Petty bills, miscellaneous supplies.....	1414	1.10
Gopher, advertising .....	1415	15.00
D. W. Sprague, accountant, freight, express, postage and extra help .....	1439	139.15
Minneapolis Gas Light Co., gas.....	1492	15.90
Baker, Voohis & Co., books.....	1507	5.75
Pratt's Express Co., express, etc.....	1532	6.50
The University Press, stationery.....	1547	22.20
The Minneapolis General Electric Co., electric lighting.....	1565	10.43
The University Press, stationery.....	1638	3.10
Minneapolis Gas Light Co., gas.....	1645	5.76
The Minneapolis General Electric Co., electric lighting.....	1651	1.77
Goodyear Book Co., books.....	1667	5.25
Total .....		\$20,971.16

## THE SCHOOL OF MINES.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Charles E. Van Barneveld, professor.....	...	\$2,300.00
Minneapolis Gas Light Co., gas.....	56	.13
Minneapolis Gas Light Co., gas.....	111	4.13
John A. Schlener & Co., stationery.....	116	1.75
Minneapolis Gas Light Co., gas.....	450	3.77
Minneapolis General Electric Co., electrical supplies.....	552	9.46
Minneapolis Gas Light Co., gas.....	750	5.07
Pioneer Fuel Co., coal.....	819	14.90
W. M. Simms, funnels, etc.....	907	1.50
M. Christenson cement, etc.....	908	2.65
Christian Becker, weights.....	909	96.85
The Denver Fire Clay Co., mining supplies.....	910	350.68
The Denver Fire Clay Co., mining supplies.....	911	13.65
The Minneapolis General Electric Co., electric current.....	912	31.63
The University Book Store, books.....	913	60.08
Edwin R. Williams, roll blue print.....	914	3.50
The Folmer & Schwing Manufacturing Co., lantern fixtures.....	915	18.50
W. R. Appleby, miscellaneous supplies.....	916	6.75
Minneapolis Photo Materials Co., bottle catechin.....	917	6.60
John A. Schlener & Co., carbon books.....	918	7.20
The Plumbing & Steamfitting Supplies Co., stone slop sinks, etc.....	919	51.55
Noyes Bros. & Cutler, drugs.....	920	4.75
Levi B. Pease, work in assay laboratory.....	921	75.00
John A. Schlener & Co., Eureka bath, etc.....	922	6.05
R. B. Pelton, work at the testing works, etc.....	923	174.50
The British Columbia Record, Limited, subscription one year.....	924	4.00
The School of Mines, payroll.....	931	350.00
D. W. Sprague, accountant, petty bills.....	932	7.55
Minneapolis Gas Light Co., gas.....	1005	12.60
Minneapolis Gas Light Co., gas.....	1006	14.52
Pioneer Fuel Co., coal.....	1024	17.20
The Minneapolis General Electric Co., electric lights.....	1037	14.13
The Minneapolis General Electric Co., electric lights.....	1077	4.00
W. R. Appleby, miscellaneous supplies.....	1081	10.95
The Munson Stationery Co., neostyle and hektograph paper.....	1082	3.00
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1083	1.65
Electric Machinery Co., electric supplies.....	1084	29.50
H. L. Swain & Co., wood.....	1085	10.00
Minneapolis Photo Materials Co., photo supplies.....	1086	5.25

	No. Voucher.	Amount.
Noyes Bros. & Cutler, borax glass.....	1087	13.00
Chas. E. Van Barnevelt, miscellaneous supplies.....	1088	28.82
The University Book Store, stationery.....	1089	5.00
Christian Becker, riders for balances.....	1090	6.30
Stanford University Book Store, book.....	1091	2.75
O. H. Peck, camera.....	1092	24.75
Peter Christianson, salary.....	1093	110.00
Edward P. McCarthy, salary.....	1093	90.00
Benj. F. Groat, salary.....	1093	90.00
Harry H. Cupinall, salary.....	1093	60.00
Petty bills, miscellaneous supplies.....	1094	7.50
Minneapolis Office & School Furniture Co., pigeon hole case.....	1106	9.00
The Minneapolis General Electric Co., electric lighting.....	1169	3.65
W. M. Simms, hardware.....	1254	5.77
Minneapolis Photo Materials Co., photo materials.....	1235	1.29
W. R. Appleby, sundries.....	1256	15.94
The University Book Store, books.....	1257	14.17
R. B. Thompson, lumber.....	1258	4.75
Electrical Engineering Co., electrical supplies.....	1259	7.84
Noyes Bros. & Cutler, drugs.....	1260	22.26
Edwin R. Williams, silk sheets.....	1261	3.00
The Link-Belt Supply Co., rods and washers.....	1262	1.25
John H. Fouch, albums.....	1263	11.25
C. E. Van Barnevelt, engineering supplies.....	1264	39.15
Levi B. Pease, services in assaying.....	1265	75.00
McIntosh Stereopticon Co., lamp, etc.....	1266	12.64
A. S. Aloe Co., phillagree rods, etc.....	1267	41.73
R. B. Pelton, reinforcing posts.....	1268	24.00
The American Chemical Journal, books.....	1269	5.00
J. B. Colt Co., slide boxes.....	1270	12.00
Denver Fire Clay Co., crucibles, etc.....	1271	37.68
Bausch & Lomb Optical Co., anastigmates.....	1272	86.25
The Minneapolis Gas Light Co., gas.....	1279	1.56
T. L. Donahue, fire lighters.....	1284	20.00
Peter Christianson, salary.....	1286	110.00
Edward P. McCarthy, salary.....	1286	90.00
Benj. F. Groat, salary.....	1286	90.00
Harry H. Cupinall, salary.....	1286	60.00
Petty bills, miscellaneous supplies.....	1290	12.97
The Minneapolis General Electric Co., electric lighting.....	1338	1.90
Minneapolis Gas Light Co., gas.....	1346	.12
A. J. Dahl & Co., books.....	1421	81.40
Minneapolis Photo Materials Co., photo materials.....	1422	141.17
W. M. Simms, hardware.....	1423	15.05
Noyes Bros. & Cutler, drugs.....	1424	22.90
Carl F. Thayer, bellows, etc.....	1425	18.45
Edwin R. Williams, rolls print.....	1426	1.80
Arnold Kuhlo, mining compass.....	1427	35.00
Wm. Lorenz, trunk.....	1428	33.00
University of Chicago Press, book.....	1429	7.88
W. & L. E. Gurley, physical apparatus.....	1430	10.00
E. D. Mix, slide mats.....	1431	12.05
The Minneapolis General Electric Co., electric lighting.....	1432	8.21
The University Book Store, book.....	1433	4.50
C. L. Berger & Sons, plumb, bobs, etc.....	1434	7.70
G. T. Thayer, sundries.....	1435	14.05
E. D. Mix, miscellaneous supplies.....	1436	36.59
Peter Christianson, salary.....	1437	110.00
Edward P. McCarthy, salary.....	1437	90.00
Benj. F. Groat, salary.....	1437	90.00
Harry H. Cupinall, salary.....	1437	60.00
Petty bills, miscellaneous supplies.....	1440	6.91
R. B. Thompson, lumber.....	1497	2.70
W. R. Appleby, self and assistant to Utah.....	1571	257.90
Chas. E. Van Barneveld, bill of expenses to Utah.....	1572	328.27
W. M. Simms, gasoline.....	1573	3.20
Minneapolis Photo Materials Co., photo materials.....	1574	1.24
Denver Fire Clay Co., crucibles, etc.....	1575	99.87
Christian Becker, balances and weights.....	1576	210.00
The Minneapolis General Electric Co., electric lighting.....	1577	.45
Peter Christianson, salary.....	1578	110.00
Edward P. McCarthy, salary.....	1578	90.00
Benj. F. Groat, salary.....	1578	90.00
Harry H. Cupinall, salary.....	1578	60.00
Petty bills, miscellaneous supplies.....	1579	37.13
Wm. Bros, square iron.....	1583	6.60
Minneapolis Gas Light Co., gas.....	1645	.84
The Minneapolis General Electric Co., electric lighting.....	1661	1.92
Minneapolis Photo Materials Co., velox carbon.....	1702	8.36

	No. Voucher.	Amount
Pioneer Fuel Co., coal.....	1703	8.20
The Minneapolis General Electric Co., electric lighting.....	1704	1.23
C. L. Berger & Sons, transit accessories.....	1774	100.00
The Pioneer Fuel Co., coal.....	1775	12.82
W. R. Appleby, travel New York, Montreal, etc.....	1776	50.10
Petty bills, miscellaneous supplies.....	1777	2.70
Harry H. Cupinall, payroll.....	1779	60.00
<b>Total</b> .....		<b>\$7,138.71</b>

**THE COLLEGE OF MEDICINE AND SURGERY.**

CURRENT EXPENSE.

	No. Voucher.	Amount.
Parks Ritchie, dean.....		\$2,400.00
Thomas G. Lee, professor.....		2,400.00
Charles J. Bell, professor.....		2,000.00
Frank F. Wesbrook, professor.....		1,800.00
Richard O. Beard, professor.....		1,500.00
Henry M. Bracken, professor.....		1,000.00
Frederick A. Dunsmoor, professor.....		600.00
James H. Dunn, professor.....		600.00
J. Clark Stewart, professor.....		450.00
Charles H. Hunter, professor.....		200.00
Abram B. Cates, professor.....		400.00
Everton J. Abbott, professor.....		100.00
John W. Bell, professor.....		200.00
Charles L. Greene, professor.....		100.00
Charles A. Erdman, acting professor.....		1,900.00
Winfield S. Nickerson, assistant professor.....		1,500.00
S. Marx White, assistant professor.....		1,500.00
Hubert C. Card, assistant professor.....		1,100.00
M. Russel Wilcox, demonstrator.....		900.00
Harry K. Read, demonstrator.....		650.00
Margaret Nickerson, instructor.....		500.00
L. B. Wilson, demonstrator.....		400.00
Louis W. Bates, assistant.....		480.00
Lewis U. Boyle, metal worker.....		750.00
Sigurd Kaason, assistant.....		300.00
Chelsea C. Pratt, assistant.....		180.00
Everett E. Castleman, assistant.....		255.00
G. Elmer Strout, dispensary clerk.....		137.50
George B. Head, instructor.....		400.00
Eleanor M. Wilkinson, instructor.....		200.00
Edith M. Bowen, librarian.....		300.00
Alvin E. Carr, assistant.....		400.00
Bernard S. Nickerson, assistant.....		300.00
Harry Hazeltine, assistant.....		200.00
Louis H. Fligman, assistant.....		150.00
Charles T. Hoover, laboratory boy.....		120.00
Frederick A. Keehle, clerk.....		100.00
Earl R. Hare, prosector.....		400.00
Richard Lundquist, laboratory helper.....		112.44
Otto Schmeck, laboratory boy.....		45.00
Caleb P. Adams, janitor.....		475.00
Jack Swenson, janitor.....		540.00
C. W. Colburn, janitor.....		240.00
Oscar Berger, janitor.....		450.00
E. A. Taylor, janitor.....		300.00
L. O. Clement, dispensary clerk.....		12.50
Minneapolis Gas Light Co., gas.....	56	27.06
R. B. Thompson, lumber.....	59	5.55
C. W. Menelly, groceries.....	64	3.60
Lyman-Elbel Drug Co., drugs.....	77	91.31
Standard Oil Co., gasoline.....	78	25.25
Chas. Wilkins & Co., surgical brackets.....	79	8.00
American Type Founders Co., card cutter.....	80	10.88
H. L. Collins Co., dispensary boxes.....	81	33.75
Chas. H. Cirkler, physicians' supplies.....	82	9.50
W. M. Simms, hardware.....	83	3.07
Bindlift Manufacturing Co., glass and backs.....	85	6.50
W. S. Nott Co., asbestos.....	86	4.59
John Trevor, batteries, etc.....	87	28.40
Minneapolis Office & School Furniture Co., stools.....	88	15.00
F. Paul Smith, embryological material.....	80	11.15
The University Book Store, books.....	94	66.68

	No. Voucher.	Amount.
Noyes Bros. & Cutler, drugs.....	95	96.64
James W. George, histology and embryology specimens.....	101	58.50
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	103	12.50
The Minneapolis General Electric Co., electric lighting.....	104	.94
The Minneapolis General Electric Co., electric lighting.....	107	10.95
D. W. Sprague, accountant, freight, express, postage and extra help.....	108	94.38
Petty bills, miscellaneous supplies.....	110	21.16
W. K. Morrison & Co., hardware.....	74	.25
Bausch & Lomb Optical Co., covers and jars.....	91	8.97
Minneapolis Gas Light Co., gas.....	111	26.19
Fred J. Scott, printing.....	112	6.75
R. B. Thompson, lumber.....	118	1.81
The University Press, stationery.....	121	68.25
The University Book Store, books.....	127	6.50
Boutell Bros., furniture.....	129	.65
Bausch & Lomb Optical Co., drugs.....	131	4.60
The Minneapolis General Electric Co., electric lighting.....	154	6.23
Noyes Bros. & Cutler, drugs.....	156	325.92
J. S. Todd & Co., stationery.....	157	6.55
Standard Oil Co., gasoline.....	158	46.68
Richards & Co., Limited, chemical apparatus.....	159	108.56
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	180	15.00
E. H. Beckman, services surgical pathology.....	181	40.00
Janney, Semple, Hill & Co., hardware.....	182	15.65
C. W. Menelly, groceries.....	183	11.68
Minneapolis Photo Materials Co., photo materials.....	184	4.45
A. R. Miller & Son, filter.....	187	7.00
Stoddard Hardware Co., hardware.....	188	6.85
C. H. Roberts & Co., brackets, etc.....	189	71.60
J. G. George, specimens histology laboratory.....	171	50.00
W. K. Morrison & Co., hardware.....	172	314.78
Minneapolis Brass & Iron Manufacturing Co., eighty frames.....	173	8.00
J. A. Sandell, plumbing material.....	174	18.37
Merriman Box Co., boxes.....	177	40.20
Library Bureau, white cards.....	178	8.79
Conclio Bibliography Co., cards.....	179	31.58
Boston Medical & Surgical Journal, subscription three years.....	180	15.00
Arthur H. Thomas, test tubes.....	181	34.40
Fairbanks, Morse & Co., oil, etc.....	182	5.00
R. Alexander, doors.....	183	215.00
Miller Lock Co., padlocks, etc.....	184	142.40
Bausch & Lomb Optical Co., microscopes and objectives.....	185	438.88
Ernst Leitz, microscopical apparatus.....	186	653.95
E. K. Greene, services histology laboratory.....	187	25.00
St. Paul Free Dispensary, use of free hospital.....	188	400.00
Stoddard Hardware Co., hardware.....	189	10.80
J. F. Lehman's Medical Buchhandlung, Max Staedke, books.....	196	16.95
Th. Stauffer, books.....	198	63.28
B. E. Dahlgren, wax models.....	200	50.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	206	117.87
Petty bills, miscellaneous supplies.....	201	28.67
H. Coulter, services histology laboratory.....	204	25.00
W. M. Simms, hardware.....	114	10.05
Minneapolis Gas Light Co., gas.....	277	62.97
Minneapolis Gas Light Co., gas.....	273	14.17
Pioneer Fuel Co., coal.....	277	8.00
W. K. Morrison & Co., hardware.....	283	.40
W. S. Nott Co., leather.....	284	5.73
The University Book Store, stationery.....	290	8.00
R. B. Thompson, lumber.....	307	7.70
Lyman-Eliel Drug Co., drugs.....	314	76.46
Minneapolis Gas Light Co., chimneys and mantels.....	315	5.75
Charles H. Cirkler, physicians' supplies.....	316	75.29
W. T. Keener & Co., books.....	317	96.65
The Journal of the American Medical Association, advertising.....	318	16.00
Richards & Co., Limited, laboratory supplies.....	319	80.66
The Northwestern Lancet, advertising.....	320	60.00
McDonald Bros, laboratory supplies.....	321	15.35
Northwestern Scavenger Co., removing dead dogs.....	322	6.00
C. W. Menelly, groceries.....	323	42.08
Schulberg & Co., dog meat.....	324	13.10
Wm. Robinson, rabbits.....	325	16.67
Ernst Leitz, laboratory supplies.....	326	189.17
Minneapolis Photo Materials Co., photo materials.....	327	.50
Minneapolis Paper Co., paper.....	328	19.59
The Hammond Typewriter Co., typewriter linen.....	329	6.50
Kroeschell Bros. Ice Machine Co., packing.....	330	8.00
Standard Oil Co., gasoline.....	331	25.00
Burdett & Williams, padlocks.....	332	21.00
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	333	10.50

	No. Voucher.	Amount.
Chas. H. Cirkler, physicians' supplies.....	334	33.90
Minneapolis Pharmacy Co., physicians' supplies.....	335	
H. L. Collins Co., labels.....	341	7.05
William Donaldson & Co., crockery.....	342	27.65
Northwestern Telephone Exchange Co., rental service.....	343	12.90
Noyes Bros. & Cutler, drugs.....	355	688.20
Eugene Thunsell & Co., mica.....	356	7.20
The Kartavert Manufacturing Co., white rods.....	361	21.75
L. W. Bates, charts.....	362	5.40
H. D. Newkirk, services in laboratory.....	366	25.00
Th. Stauffer, books.....	367	61.33
Franz Jos. Steger, plaster models.....	370	159.60
C. A. Erdman, telegrams, etc.....	379	5.05
H. K. Read, preparing skeletons.....	380	365.40
D. W. Sprague, accountant, freight, express, postage and extra help.....	381	106.83
Petty bills, miscellaneous supplies.....	382	21.26
Minneapolis Gas Light Co., gas.....	450	75.96
Pioneer Fuel Co., coal.....	455	30.86
Smith & Wyman, storm sash.....	458	16.75
Janney, Semple, Hill & Co., hardware.....	471	.50
Electrical Engineering Co., electrical supplies.....	489	4.57
R. B. Thompson, lumber.....	491	14.10
Fairbanks, Morse & Co., oil.....	495	1.90
R. M. Chapman, groceries.....	496	6.22
North Star Printing Co., leaflets.....	497	6.50
Hahn & Harmon, letter heads.....	498	17.25
McDonald Bros., tumblers.....	500	5.08
H. L. Swain & Co., coal.....	502	1.95
W. M. Simms, hardware.....	503	25.04
Schulberg & Co., dog meat.....	504	20.65
C. W. Menelly, groceries.....	505	10.15
Wyman, Partridge & Co., anatomical supplies.....	506	37.81
National Brass & Metal Co., brass.....	507	9.90
W. K. Morrison & Co., hardware.....	508	2.08
Gugler Electric Manufacturing Co., controller, etc.....	509	19.18
W. S. Nott Co., belting.....	510	20.52
R. H. Hegener, scalpels and knives.....	511	5.10
Yerxa Bros. & Co., groceries.....	512	7.04
J. J. Gerber, hardware.....	513	19.25
Minneapolis Office & School Furniture Co., desk.....	514	10.00
C. F. Ewing, assistant in operative surgery.....	518	50.00
Noyes Bros. & Cutler, drugs.....	519	159.22
Fred J. Scott, printing.....	520	2.00
The Northwestern Telephone Exchange Co., rental service.....	523	6.30
The University Press, stationery.....	524	69.65
Arthur H. Thomas, test tubes.....	530	109.65
A. J. Kreger, wiring pathological and bacteriological laboratory.....	531	5.75
M. Russell Wilcox, slaughter house materials.....	532	13.00
Dr. James H. Dunn, medical supplies.....	534	98.85
C. R. McCreery, assistant in laboratory.....	543	25.00
Thomas G. Lee, sundry disbursements.....	544	25.42
Lea Brothers & Co., books.....	545	24.00
Elmer & Amend, drugs.....	547	128.21
Minneapolis General Electric Co., electric lighting.....	551	3.30
Minneapolis General Electric Co., electric lighting.....	552	6.75
F. Hellig & Co., microtome.....	553	10.96
Standard Oil Co., gasoline.....	556	18.55
Bausch & Lomb Optical Co., physical apparatus.....	560	42.26
Petty bills, miscellaneous supplies.....	562	18.73
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	564	27.25
D. W. Sprague, accountant, freight, express, postage and extra help.....	568	120.49
Minneapolis General Electric Co., electric lighting.....	571	38.10
James W. Day, ice.....	637	112.06
Noyes Bros. & Cutler, drugs.....	656	59.98
Electrical Engineering Co., electrical supplies.....	662	15.34
Janney, Semple, Hill & Co., hardware.....	670	.30
R. B. Thompson, lumber.....	672	2.94
The University Press, stationery.....	674	72.46
O. W. Friedlund, feed.....	676	17.19
A. J. Kreger, work in Historical Building.....	677	18.75
The Cornelian, advertising.....	679	6.00
W. M. Simms, hardware.....	680	5.66
C. W. Menelly, groceries.....	681	14.76
Bintliff Manufacturing Co., oak and black frames.....	683	11.20
Northwestern Compo Board Co., blackboards.....	684	14.62
Wilbur F. Booth, administrator, anatomical specimens.....	687	300.00
Frank W. Bigelow, cards.....	688	8.00
W. K. Morrison & Co., hardware.....	689	8.31
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	690	11.55
The Beard Art & Stationery Co., examination questions.....	691	33.60

	No. Voucher.	Amount.
Ozonet Co., ozonet.....	694	7.50
Richter Bros. books.....	695	9.40
Richards & Co. Limited, drugs.....	696	17.95
Kroeschell Bros. Ice Machine Co., thermometer.....	697	11.00
F. F. Westbrook, sundry disbursements.....	698	5.35
Electrical Engineering Co., electrical supplies.....	699	10.94
The Nebraska Hesperian, advertising.....	700	11.00
Bausch & Lomb Optical Co., physical apparatus.....	701	83.27
The Kartavert Manufacturing Co., white rods.....	702	9.61
The American Journal of Physiology, Volume 5.....	703	5.00
Standard Oil Co., gasoline.....	706	17.12
Frioeich Ziegler, models of vertebrates.....	712	46.68
D. W. Sprague, accountant, freight, express, postage and extra help.....	721	109.70
Witt's Meat Market, meat.....	725	27.67
The Minneapolis General Electric Co., electric lighting.....	730	29.66
Noyes Bros. & Cutler, drugs.....	740	17.96
The Northwestern Telephone Exchange Co., rental service.....	744	6.00
Boston Fish Co., fish and oysters.....	746	9.47
Petty bills, miscellaneous supplies.....	748	23.91
Minneapolis Gas Light Co., gas.....	750	78.30
Pioneer Fuel Co., coal.....	819	11.07
The University Press, stationery.....	822	16.50
The Northwestern Telephone Exchange Co., rental service.....	825	6.00
W. K. Morrison & Co., hardware.....	828	14.66
Electrical Engineering Co., electrical supplies.....	829	73.65
W. M. Simms, hardware.....	836	.60
Stoddard Hardware Co., hardware.....	839	4.75
Minneapolis Photo Materials Co., photo supplies.....	846	1.65
Noyes Bros. & Cutler, drugs.....	852	173.78
Fred J. Scott, envelopes.....	858	11.75
The University Book Store, stationery.....	859	86.87
Clayton R. Cooley, deputy collector, duties on goods from Bremen.....	862	57.05
The Minneapolis General Electric Co., electric lighting.....	863	43.25
Bausch & Lomb Optical Co., physical apparatus.....	865	15.30
The Daily Cardinal, advertising.....	866	12.50
F. F. Westbrook, laboratory supplies, etc.....	874	13.12
The Munson Stationery Co., ink, etc.....	875	8.00
The Bintliff Manufacturing Co., picture frames.....	876	5.58
Security Envelope Co., envelopes.....	877	8.50
John Armstrong, services in laboratory.....	878	25.00
B. E. Dahlgren, models of small pox, etc.....	879	50.00
R. M. Chapman, groceries.....	880	11.05
C. W. Merelilly, groceries.....	881	18.99
Janney, Semple, Hill & Co., hardware.....	882	1.68
The Journal of the American Medical Association, advertising.....	883	16.00
Richards & Co. Limited, thermometers.....	884	18.05
Library Bureau, stationery.....	885	33.60
Asbury Methodist Hospital, charge for patient in ward.....	886	17.33
Standard Oil Co., gasoline.....	887	34.56
Lyman-Ellet Drug Co., drugs.....	888	115.95
Boutell Bros., furniture.....	889	20.70
E. H. Beckman, services in surgical pathology.....	890	40.00
M. B. McNeil, printed blanks.....	891	12.25
William Wood & Co., reference handbook medical sciences.....	896	8.00
Journal Boston Society of Medical Sciences, subscription.....	897	11.00
Ernst Leitz, microscopic apparatus.....	898	232.38
John Shaw & Co., arseniate of soda.....	902	57.50
Catherine E. Putnam, services in pathological and bacteriological laboratory.....	927	25.00
Joseph C. Ferguson, services in pathological and bacteriological laboratory.....	928	25.00
The Carletonia, advertising.....	929	5.00
Morgan Import Freight & Customs Agency, filing protest.....	933	3.50
The Minneapolis General Electric Co., electric current.....	935	12.24
D. W. Sprague, accountant, freight, express, postage and extra help.....	936	188.52
Petty bills, miscellaneous supplies.....	938	24.08
Minneapolis Gas Light Co., gas.....	1005	57.00
Minneapolis Gas Light Co., gas.....	1006	53.72
Minneapolis Gas Light Co., gas.....	1013	9.80
R. B. Thompson, pine.....	1014	2.86
W. K. Morrison & Co., hardware.....	1024	18.78
Pioneer Fuel Co., coal.....	1025	1.80
John Leslie Paper Co., stationery.....	1027	2.45
The Munson Stationery Co., stationery.....	1032	9.20
The Minneapolis General Electric Co., electric lights.....	1035	10.38
Minneapolis Photo Materials Co., photo materials.....	1037	5.50
Stoddard Hardware Co., hardware.....	1043	6.00
Hahn & Harmon, labels.....	1043	12.00
Mrs. M. Read, gowns.....	1045	57.38
Noyes Bros. & Cutler, drugs.....	1047	

	No. Voucher.	Amount.
Ka-Korser-Ko, Limited, lantern fixtures.....	1048	15.65
Orr & Lockett Hardware Co., door holders.....	1049	8.50
R. E. Mitchell, demonstration work.....	1050	50.00
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	1051	13.30
C. W. Menelly, groceries.....	1052	11.95
Chas. H. Cirkler, surgical supplies.....	1053	49.35
Electrical Engineering Co., electrical supplies.....	1054	24.45
Lyman-Ellet Drug Co., drugs.....	1055	29.59
Standard Oil Co., gasoline.....	1056	5.23
Wyman, Partridge & Co., dry goods.....	1057	12.82
J. Messlg, frogs.....	1058	9.50
The Nebraskan-Hesperian, advertising.....	1059	12.00
The University Book Store, books.....	1060	20.60
Ernst Leitz, slides.....	1062	9.19
The Journal of Comparative Neurology, Vols. X. and XI.....	1063	7.00
Bausch & Lomb Optical Co., physical apparatus.....	1064	72.69
Ginn & Co., books.....	1068	6.00
The University Press, stationery.....	1071	23.55
The Minneapolis General Electric Co., electric lights.....	1077	5.31
Northwestern Telephone Exchange Co., rental.....	1079	6.10
R. Friedlander & Sohn, books.....	1097	20.04
Petty bills, miscellaneous supplies.....	1101	25.73
M. Russell Wilcox, miscellaneous supplies.....	1102	17.27
D. W. Sprague, accountant, freight, express, postage and extra help.....	1104	120.44
Minneapolis Office & School Furniture Co., lumber.....	1106	35.51
W. K. Morrison & Co., hardware.....	1167	40.01
The Minneapolis General Electric Co., electric lighting.....	1169	16.67
The John Leslie Paper Co., paper.....	1178	3.95
Evans, Munzer, Pickering & Co., shades.....	1198	5.55
Janney, Semple, Hill & Co., hardware.....	1207	.57
The University Press, stationery.....	1209	3.75
E. H. Beckman, services in surgical pathology.....	1213	40.00
The University Book Store, books, etc.....	1217	212.97
Noyes Bros. & Cutler, drugs.....	1219	118.15
C. Francis Ewing, work in anatomical laboratory.....	1220	50.00
J. J. Gerber, copper still.....	1221	5.10
Lyman-Ellet Drug Co., drugs.....	1222	40.03
The Plant Rubber Co., aprons.....	1223	9.50
John H. Fouch, slides.....	1226	13.20
C. W. Menelly, groceries.....	1228	9.13
B. E. Dahlgren, charts.....	1229	33.00
Richards & Co., Limited, chemical apparatus.....	1230	45.00
The India Rubber Co., tube caps and edges.....	1234	7.00
Henry F. McGrugan, work in anatomical laboratory.....	1235	50.00
H. D. Newkirk, work in histology laboratory.....	1236	25.00
Chas. R. McCreery, work in histological laboratory.....	1237	25.00
F. F. Wesbrook, miscellaneous supplies.....	1238	7.92
Bausch & Lomb Optical Co., physical apparatus.....	1239	50.07
Eimer & Amend, drugs.....	1240	16.75
E. K. Greene, work in histology and embryology laboratory.....	1244	25.00
Ernst Leitz, physical apparatus.....	1245	86.85
Herbert W. Jones, work in anatomical laboratory.....	1249	50.00
Thomas G. Lee, sundry disbursements.....	1250	10.30
Thomas G. Lee, sundry disbursements.....	1251	22.54
Herbert Coulter, work in histology and embryology laboratory.....	1252	25.00
The Northwestern Telephone Exchange Co., rental service.....	1273	6.15
The Kartavert Manufacturing Co., white rods.....	1276	24.20
Wisconsin Alumni Magazine, advertising.....	1278	7.50
The Minneapolis Gas Light Co., gas.....	1279	47.00
Standard Oil Co., gasoline.....	1281	13.84
Petty bills, miscellaneous supplies.....	1285	39.23
D. W. Sprague, accountant, freight, express, postage and extra supplies.....	1288	116.63
The Minneapolis General Electric Co., electric lighting.....	1337	6.54
The Minneapolis General Electric Co., electric lighting.....	1338	9.49
Minneapolis Gas Light Co., gas.....	1346	47.96
The Northwestern Telephone Exchange Co., rental service.....	1350	6.15
W. K. Morrison & Co., hardware.....	1352	1.86
W. M. Simms, hardware.....	1369	.91
C. W. Menelly, groceries.....	1371	10.60
Lyman-Ellet Drug Co., drugs.....	1372	.75
H. L. Swain & Co., wood.....	1373	5.25
M. Russell Wilcox, dogs, cats and frogs.....	1374	19.05
Electrical Engineering Co., electrical supplies.....	1375	10.40
The Journal of the American Medical Association, advertising.....	1376	16.00
The Cornelian, advertising.....	1377	12.00
St. Paul Free Dispensary, use of hospital.....	1378	400.00
Parks Ritchie, dues to Association American Medical Colleges.....	1387	5.00
Noyes Bros. & Cutler, drugs.....	1389	370.89
Mrs. M. Braam, guinea pigs.....	1390	12.00
The Oberlin Review, advertising.....	1391	10.00

	No. Voucher.	Amount.
Minnesota Electric Co., dry cells.....	1392	10.25
Arthur H. Thomas Co., thermometer.....	1398	12.00
The Minneapolis General Electric Co., electric lighting.....	1396	3.97
St. Luke's Hospital, board and care obstetrics.....	1401	11.50
Frederick Leavitt, six months' services telephone messages.....	1406	5.00
Petty bills, miscellaneous supplies.....	1414	21.13
Ernst Leitz, bacteriological apparatus.....	1418	12.87
F. F. Westbrook, photographers' plates, etc.....	1419	26.10
D. W. Sprague, accountant, freight, express, postage and extra help.....	1439	10.20
Minneapolis Gas Light Co., gas.....	1492	52.21
Bausch & Lomb Optical Co., physical apparatus.....	1508	10.50
The Minneapolis General Electric Co., electric lighting.....	1519	4.07
C. W. Menelly, groceries.....	1521	.88
Lyman-Eliel Drug Co., drugs.....	1527	60.52
Electrical Engineering Co., electrical supplies.....	1528	34.00
Wyman, Partridge & Co., dry goods.....	1533	12.32
The Nebraskan-Hesperian, advertising.....	1534	9.00
The Daily Cardinal, advertising balance.....	1535	25.00
The University Book Store, books.....	1537	50.42
Soren P. Rees, charts.....	1538	6.00
Twin City Iron Works, pulleys.....	1540	4.25
The Munson Stationery Co., stationery.....	1542	16.25
Chas. H. Cirkler, physicians' supplies.....	1543	23.49
Simonson Bros. Manufacturing Co., box.....	1544	12.00
Catherine E. Putnam, services in laboratory of pathology and bacteriology.....	1545	25.00
The University Press, stationery.....	1547	15.75
Noyes Bros. & Cutler, drugs.....	1551	59.71
The Northwestern Telephone Exchange Co., rental service.....	1552	9.90
F. F. Westbrook, miscellaneous supplies.....	1554	13.76
Bausch & Lomb Optical Co., microscope.....	1558	67.50
Jas. C. Ferguson, services in pathological and bacteriological laboratory.....	1559	25.00
The Minneapolis General Electric Co., electric lighting.....	1565	3.12
James Amor & Co., transporting and burying bodies, etc.....	1566	77.00
John M. Armstrong, services in pathological and bacteriological laboratory.....	1569	25.00
Petty bills, miscellaneous supplies.....	1581	2.55
D. W. Sprague, accountant, freight, express, postage and extra help.....	1582	54.76
The University Press, stationery.....	1638	2.50
Minneapolis Gas Light Co., gas.....	1645	25.30
Northwestern Telephone Exchange Co., rental service.....	1646	12.30
The Minneapolis General Electric Co., electric lighting.....	1651	6.81
The Minneapolis General Electric Co., electric lighting.....	1661	4.68
W. K. Morrison & Co., hardware.....	1669	2.64
The University Book Store, books.....	1671	10.70
Lyman-Eliel Drug Co., drugs.....	1672	37.74
Minneapolis Dry Goods Co., napkins.....	1673	5.80
Wm. Robinson, rabbits.....	1674	10.33
Weber & Heintz, drugs.....	1675	18.20
E. E. Dahlgren, account models of smallpox, etc.....	1676	115.00
Kroeschell Bros. Ice Machine Co., miscellaneous supplies.....	1677	18.00
W. T. Keener & Co., books.....	1678	12.75
The Nebraskan-Hesperian, advertising.....	1679	6.00
John W. Thomas & Co., linen.....	1682	6.19
C. W. Menelly, groceries.....	1683	11.99
W. K. Morrison & Co., hardware.....	1684	21.05
Noyes Bros. & Cutler, drugs.....	1685	51.04
Simonson Bros. Manufacturing Co., screens, etc.....	1686	37.50
Chas. H. Cirkler, miscellaneous supplies.....	1687	12.85
John H. Fouch, films.....	1688	6.10
The St. Paul Medical Journal, advertising.....	1689	60.00
Mrs. Vauche Bishop, clerical service.....	1690	50.00
Chas. E. Rounds, stenography and typewriting.....	1691	60.00
Dr. W. H. Condit, materials for charts.....	1692	5.50
Wisconsin Alumni Magazine, advertising.....	1693	7.50
Bausch & Lomb Optical Co., microtome knives.....	1694	12.00
Standard Oil Co., gasoline.....	1695	41.50
F. F. Westbrook, pathological supplies.....	1697	19.32
Franklin De Cou, guinea pigs.....	1698	7.00
Petty bills, miscellaneous supplies.....	1699	31.90
H. F. Thomson, manager, advertising.....	1696	10.00
The Link Belt Supply Co., pulleys and shaft.....	1743	24.41
Minneapolis Gas Light Co., lamps and mantels.....	1744	9.00
William Donaldson & Co., sundry supplies.....	1745	5.91
McDonald Bros., crockery, etc.....	1746	10.33
W. S. Nott Co., leather.....	1747	12.48
J. E. Nash, hardware.....	1748	18.50
C. W. Menelly, groceries.....	1749	6.68
Electrical Engineering Co., wire, etc.....	1750	14.91



	No. Voucher.	Amount
Janney, Semple, Hill & Co., hardware.....	1751	8.78
A. C. McClurg & Co., books.....	1752	14.21
R. B. Thompson, lumber.....	1758	5.70
New England Furniture & Carpet Co., linoleum.....	1759	8.75
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	1760	12.50
D. W. Sprague, accountant, freight, express, postage and extra help.....	1763	250.17
Petty bills, miscellaneous supplies.....	1764	12.24
Fairbanks, Morse & Co., gasoline engine, etc.....	1772	5.10
Noyes Bros. & Cutler, drugs.....	1773	28.90
<b>Total</b> .....		<b>\$44,841.79</b>

## THE COLLEGE OF HOMEOPATHIC MEDICINE AND SURGERY.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Alonzo P. Williamson, dean.....		\$500.00
William E. Leonard, professor.....		400.00
George E. Clark, professor.....		300.00
George E. Ricker, professor.....		300.00
B. Harvey Ogden, professor.....		300.00
E. A. Taylor, janitor.....		300.00
Minneapolis Gas Light Co., gas.....	56	.39
Minneapolis Pharmacy Co., drugs.....	84	25.24
South Side Dry Goods Co., cotton cloth.....	90	5.65
Minneapolis Gas Light Co., gas.....	111	3.78
Fred J. Scott, printing.....	112	5.50
Minneapolis Gas Light Co., gas.....	272	7.08
Northwestern Telephone Exchange Co., rental service.....	343	9.75
Noyes Bros. & Cutler, drugs.....	355	3.00
Chas. H. Cirkler, physicians' supplies.....	334	2.65
Minneapolis Pharmacy Co., physicians' supplies.....	335	25.25
Minneapolis Gas Light Co., gas.....	450	11.22
Minneapolis Pharmacy Co., drugs.....	515	10.36
Petty bills, miscellaneous supplies.....	562	4.84
Minneapolis General Electric Co., electric lighting.....	571	1.05
Minneapolis Pharmacy Co., drugs.....	675	7.50
Chas. H. Cirkler, dilators.....	693	7.50
Petty bills, miscellaneous supplies.....	748	6.42
Minneapolis Gas Light Co., gas.....	750	11.09
Great Western Printing Co., blanks.....	812	8.00
Pioneer Fuel Co., coal.....	819	11.06
Minneapolis Pharmacy Co., medical supplies.....	894	28.51
Petty bills, miscellaneous supplies.....	938	2.86
Minneapolis Gas Light Co., gas.....	1005	5.04
Minneapolis Gas Light Co., gas.....	1006	6.96
Pioneer Fuel Co., coal.....	1024	18.78
M. F. Patterson, dental supplies.....	1041	13.40
Minneapolis Pharmacy Co., drugs.....	1046	13.48
The Minneapolis General Electric Co., electric lighting.....	1077	.83
Northwestern Telephone Exchange Co., rental service.....	1079	3.85
D. W. Sprague, accountant, freight, express, postage and extra help.....	1104	2.04
Minneapolis Pharmacy Co., drugs.....	1211	23.35
Philip Fay, signs.....	1215	8.00
C. L. Simons, carpenter work.....	1227	7.60
Minneapolis Gas Light Co., gas.....	1279	6.74
Petty bills, miscellaneous supplies.....	1285	4.19
D. W. Sprague, accountant, freight, express, postage and extra help.....	1288	2.08
Minneapolis Gas Light Co., gas.....	1346	6.34
Whittlesey Gas & Electric Fixture Co., bracket, etc.....	1381	6.75
Minneapolis Pharmacy Co., drugs.....	1382	9.98
Petty bills, miscellaneous supplies.....	1414	7.65
Gopher, advertising.....	1415	15.00
Minneapolis Gas Light Co., gas.....	1492	5.78
Chas. H. Cirkler, surgical instruments.....	1543	9.75
The University Press, stationery.....	1547	10.00
The Minnesota Daily, advertising.....	1580	19.00
Petty bills, miscellaneous supplies.....	1581	7.63
Minneapolis Gas Light Co., gas.....	1645	1.98
Minneapolis Pharmacy Co., drugs.....	1680	15.34
Andrus Building Pharmacy, vials and corks.....	1681	12.09
Petty bills, miscellaneous supplies.....	1699	2.78
Petty bills, miscellaneous supplies.....	1764	4.65
<b>Total</b> .....		<b>\$2,549.38</b>

## THE COLLEGE OF DENTISTRY.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
William P. Dickinson, acting dean.....	...	\$1,650.00
Thomas E. Weeks, professor.....	...	1,600.00
Thomas B. Hartzell, professor.....	...	1,000.00
Oscar A. Weiss, professor.....	...	1,500.00
Alfred Owre, instructor.....	...	1,500.00
Charles A. Van Duzee, instructor.....	...	1,500.00
Frank M. Reid, instructor.....	...	1,000.00
Frank R. Wright, instructor.....	...	300.00
Mary I. Hartzell, instructor.....	...	300.00
E. Franklyn Hertz, instructor.....	...	600.00
James O. Wells, instructor.....	...	600.00
John Irwin, storekeeper.....	...	500.00
Gus Wickteknburg, janitor.....	...	495.00
Minneapolis Gas Light Co., gas.....	111	4.99
The University Press, printing.....	121	19.00
Lyman-Elie! Drug Co., drugs.....	155	24.13
Jas. T. Ingersoll, teeth.....	165	527.64
M. F. Patterson, dental materials.....	166	77.22
A. B. Farnham & Co., dental materials.....	170	62.00
W. K. Morrison & Co., hardware.....	172	26.00
Glessner & Washburn, shades.....	173	19.92
Marshall-Shafer-Pierce Co., dental supplies.....	176	194.27
Minneapolis Gas Light Co., gas.....	272	14.13
James T. Ingersoll, dental materials.....	336	21.10
M. F. Patterson, dental materials.....	337	300.42
Marshall-Shafer-Pierce Co., dental materials.....	338	29.90
Minneapolis Gas Light Co., gas.....	450	22.45
Lyman-Elie! Drug Co., drugs.....	464	8.68
Marshall-Shafer-Pierce Co., dental supplies.....	499	9.54
M. F. Patterson, dental supplies.....	501	78.08
W. K. Morrison & Co., hardware.....	508	3.75
W. K. Morrison & Co., hardware.....	653	3.00
Marshall-Shafer-Pierce Co., dental supplies.....	682	42.95
M. F. Patterson, dental supplies.....	685	64.32
Jas. T. Ingersoll, dental supplies.....	686	32.00
R. Alexander, book case.....	704	30.00
Minneapolis Gas Light Co., gas.....	750	22.19
W. K. Morrison & Co., hardware.....	828	15.55
The University Press, stationery.....	857	13.25
Lyman-Elie! Drug Co., drugs.....	888	8.35
M. F. Patterson, dental supplies.....	892	75.26
Marshall-Shafer-Pierce Co., dental supplies.....	893	30.70
Minneapolis Gas Light Co., gas.....	1005	10.08
Minneapolis Gas Light Co., gas.....	1006	10.56
M. F. Patterson, dental supplies.....	1041	35.76
Marshall-Shafer-Pierce Co., dental supplies.....	1044	364.04
W. K. Morrison & Co., hardware.....	1167	13.80
M. F. Patterson, dental supplies.....	1212	156.57
Marshall-Shafer-Pierce Co., dental supplies.....	1214	43.29
J. H. Constantine, cabinet work.....	1225	94.70
The Minneapolis Gas Light Co., gas.....	1279	13.48
The Minneapolis Gas Light Co., gas.....	1346	12.68
Marshall-Shafer-Pierce Co., dental supplies.....	1379	51.16
M. F. Patterson, dental supplies.....	1380	368.35
Minneapolis Gas Light Co., gas.....	1492	11.56
Marshall-Shafer-Pierce Co., dental supplies.....	1539	22.59
M. F. Patterson, dental supplies.....	1541	108.13
Minneapolis Gas Light Co., gas.....	1645	3.92
W. K. Morrison & Co., hardware.....	1663	3.25
Total .....		\$15,649.50

## THE COLLEGE OF PHARMACY.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Frederick J. Wulling, dean.....	...	\$2,400.00
Bernard L. Leubner, instructor.....	...	750.00
Edward M. Freeman, instructor.....	...	600.00
C. W. Colburn, janitor.....	...	240.00
Minneapolis Gas Light Co., gas.....	56	3.28

UNIVERSITY BOARD OF REGENTS.

51

	No. Voucher.	Amount
Minneapolis Gas Light Co., gas.....	111	3.70
The University Book Store, books.....	127	3.69
Lyman-Ellel Drug Co., drugs.....	155	1.93
Noyes Bros. & Cutler, drugs.....	156	8.36
D. W. Sprague, accountant, freight, express, postage and extra help .....	206	1.07
Petty bills, miscellaneous supplies.....	201	3.75
Minneapolis Gas Light Co., gas.....	272	7.02
Lyman-Ellel Drug Co., drugs.....	314	37.91
Simonson Bros. Manufacturing Co., trays.....	339	6.00
Elmer & Amend, reagent bottles.....	340	21.51
Noyes Bros. & Cutler, drugs.....	355	6.09
Frederick J. Wulling, miscellaneous supplies.....	363	56.35
Minneapolis Gas Light Co., gas.....	450	7.11
The University Book Store, stationery.....	462	5.08
Lyman-Ellel Drug Co., drugs.....	464	12.97
Noyes Bros. & Cutler, drugs.....	519	68.78
Whitall, Tatum & Co., drugs.....	533	29.55
E. R. Squibb & Sons, ephemeris.....	535	6.00
The Fred Macey Co. book cases.....	548	10.00
Bausch & Lomb Optical Co. physical apparatus.....	560	27.11
D. W. Sprague, accountant, freight, express, postage and extra help .....	568	6.87
The Great Western Printing Co., stationery.....	633	11.25
James W. Day, ice.....	637	9.45
Lyman-Ellel Drug Co., drugs.....	678	114.36
Minneapolis Dry Goods Co., hardware.....	692	8.38
John Wulling, Sr., charts.....	705	25.00
Minneapolis Gas Light Co., gas.....	750	7.50
Noyes Bros. & Cutler, drugs.....	852	30.23
The University Book Store, stationery.....	859	26.87
Lyman-Ellel Drug Co., drugs.....	888	18.03
Lehn & Fink, drugs.....	890	70.90
Minneapolis Gas Light Co., gas.....	1005	5.04
Minneapolis Gas Light Co., gas.....	1006	4.00
Noyes Bros. & Cutler, drugs.....	1047	45.52
Lyman-Ellel Drug Co., drugs.....	1055	18.19
F. J. Wulling, miscellaneous supplies.....	1075	54.49
D. W. Sprague, accountant, freight, express, postage and extra help .....	1104	1.10
Geo. Douglas Head, instruction in clinical microscopy.....	1216	100.00
The American Can Co., cans.....	1218	23.40
Noyes Bros. & Cutler, drugs.....	1219	5.12
Lyman-Ellel Drug Co., drugs.....	1222	35.43
W. P. Dahlin, binding journals.....	1224	14.50
The Century Atlas, one atlas.....	1277	8.75
The Minneapolis Gas Light Co., gas.....	1279	4.18
Petty bills, miscellaneous supplies.....	1285	3.89
Minneapolis Gas Light Co., gas.....	1346	4.18
Lyman-Ellel Drug Co., drugs.....	1372	17.86
The Caprigraph Co., sanitary still.....	1383	12.00
Noyes Bros. & Cutler, drugs.....	1389	3.51
Elmer & Amend, heater.....	1402	6.00
F. J. Stokes Machine Co., tablet machine.....	1403	22.50
The University Book Store, stationery.....	1404	12.60
D. W. Sprague, accountant, freight, express, postage and extra help .....	1439	1.09
Minneapolis Gas Light Co., gas.....	1492	4.25
Lyman-Ellel Drug Co., drugs.....	1527	.44
The University Book Store, books.....	1537	3.20
Frederick J. Wulling, clerical work, etc.....	1561	117.32
D. W. Sprague, accountant, freight, express, postage and extra help .....	1582	.45
Minneapolis Gas Light Co., gas.....	1645	3.26
Total .....		\$5,178.37

SCHOOL OF AGRICULTURE.

CURRENT EXPENSE.

	No. Voucher.	Amount.
William W. Liggett, dean.....	...	\$1,800.00
John A. Vye, secretary.....	...	750.00
Frederick D. Tucker, principal.....	...	1,800.00
James M. Drew, professor.....	...	1,050.00
William Boss, mechanical engineer.....	...	620.18
Virginia C. Meredith, preceptress.....	...	1,500.00
William Robertson, instructor.....	...	1,000.00

	No. Voucher.	Amount.
Chas. R. Aldrich, instructor.....		600.00
Chas. F. Keyes, instructor.....		600.00
Edward W. Mahood, instructor.....		900.00
J. L. Sheppard, instructor.....		600.00
Mrs. Blair, instructor.....		600.00
Grace B. Whitbridge, instructor.....		180.00
A. C. Koerner, instructor.....		240.00
Mary L. Bull, instructor.....		360.00
E. L. Middlebrook, instructor.....		120.00
Sophia Pendergast, instructor.....		900.00
Edward H. Riley, instructor.....		113.87
Assistants and laborers.....		4,310.68
Students' payrolls.....		809.97
Forman, Ford & Co., glass and turpentine.....	14	20.12
Gruenhagen Bros., hardware.....	16	.45
Harrison & Smith Co., 500 letter heads.....	17	2.75
Janney, Semple, Hill & Co., hardware.....	18	5.45
Metropolitan Music Co., band supplies.....	21	6.16
Minneapolis Iron Stove Co., bolts.....	22	14.53
Harley Parker, work on carpenter shop.....	30	5.23
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	33	12.42
John A. Schlener & Co., stationery.....	34	4.01
Brooks Bros., lumber.....	44	58.22
Herbert Doble, carpenter work.....	45	8.25
Gruenhagen Bros., hardware.....	47	17.51
W. G. Johnson, carpenter work.....	48	28.60
Victor A. Lundberg, repairing plastering.....	49	15.00
W. K. Morrison & Co., hardware.....	51	18.48
J. A. Vye, sundry disbursements.....	53	59.30
American Book Co., books.....	208	73.60
O. A. Anderson, painting.....	209	50.10
Brooks Bros., lumber.....	210	1.39
Boutell Bros., wash stand, etc.....	211	8.80
Butler, Sheldon & Co., thirty books, "Physics".....	214	30.00
Eagle Printing Co., printing forms.....	218	26.00
Forman, Ford & Co., paint materials.....	220	56.69
Gruenhagen Bros., hardware.....	221	2.80
D. C. Heath & Co., books.....	222	56.75
W. G. Johnson, carpenter work.....	226	45.60
Janney, Semple, Hill & Co., hardware.....	227	153.35
Orange Judd Co., 100 "Study of Breeds".....	228	90.00
W. K. Morrison & Co., hardware.....	232	7.50
Munson Stationery Co., stationery.....	233	11.60
Nicols & Dean, wagon materials.....	237	101.95
S. E. Olson & Co., shades and rollers.....	238	17.33
Pittsburgh Plate Glass Co., glass.....	240	12.81
Phoenix Chair Co., chairs.....	241	5.25
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	243	13.85
Adolph Poirier, brooms.....	244	12.90
Salisbury & Satterlee, iron bedsteads, etc.....	247	145.30
Fred J. Scott, payrolls.....	248	3.50
John A. Schlener & Co., stationery.....	252	9.75
Twin City Iron Works, 170 feet rope.....	253	8.61
R. B. Thompson, lumber.....	254	57.27
The University Book Store, stationery.....	255	4.39
Webb Publishing Co., 100 copies "Modern Sewing and Garment Drafting".....	256	120.00
Willwersheid Co., cards and muslin.....	257	9.75
Elvin Strom, work at laboratory.....	260	15.30
Herbert Doble, work at laboratory and shop.....	261	48.95
J. A. Vye, sundry disbursements.....	262	83.82
Harley Parker, work at drill hall.....	263	14.97
American Book Co., 24 copies Gray's Botany.....	385	34.56
Brooks Bros., lumber.....	387	3.00
Elizabeth Biery, work at School of Agriculture.....	389	12.00
Miss Mary Moulton Cheney, five charts.....	392	4.00
Dearborn Drug & Chemical Works, two barrels oil.....	395	43.35
W. J. Dyer & Bro., rent and repairs of piano, and music.....	396	69.00
Herbert Doble, work at Home Building.....	397	6.02
Electrical Engineering Co., electric supplies.....	398	36.03
Electrical Engineering Co., electric supplies.....	399	5.68
Eagle Printing Co., printing.....	400	37.75
Forman, Ford & Co., glass.....	401	35.91
General Electric Co., 200 lamps.....	402	40.80
Frank W. Greaves & Co., one dozen squares.....	403	11.00
W. G. Johnson, carpenter work.....	406	30.60
Lestle & McAfee, paper.....	408	78.94
Minneapolis Dry Goods Co., shades and cord.....	414	16.67
Munson Stationery Co., stationery.....	415	2.50
W. K. Morrison & Co., hardware.....	416	5.54
W. K. Morrison & Co., hardware.....	417	30.98

	No. Voucher.	Amount.
Northwestern Fuel Co., coal.....	421	570.82
Northern Machinery Co., 16 blanks.....	423	4.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	430	24.79
R. A. Pike & Co., 400 leg bands.....	431	4.00
The Subscription News Co., magazines.....	436	22.70
R. B. Thompson, lumber.....	437	113.34
Union Railway Storage Co., bags and cement.....	438	5.70
J. A. Vye, sundry disbursements.....	441	43.14
Gruenhagen Bros., hardware.....	444	11.58
Brooks Bros., lumber.....	577	16.63
Electrical Engineering Co., electrical supplies.....	581	5.24
Electrical Engineering Co., electrical supplies.....	582	9.25
Farm, Stock & Home Co., 75 copies Fruit Gr.....	584	22.50
Forman, Ford & Co., glass, etc.....	586	9.94
Farm Students' Review, advertising.....	587	6.00
General Electric Co., 230 lamps.....	593	49.60
Henry W. Howling, mountain birds.....	594	30.00
W. G. Johnson, work in hall, barn, shop.....	597	26.60
Janney, Semple, Hill & Co., hardware.....	598	16.00
Leslie & McAfee, paper.....	602	20.13
Victor A. Lundberg, mason work on laboratory.....	603	20.95
Wm. M. Liggett, one-half expense annual commission.....	604	56.95
The Macmillan Co., books.....	607	57.21
McGill-Warner Co., 100 Forestry Books.....	609	20.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	617	58.48
Fred J. Scott, printing.....	619	2.75
John A. Schlener & Co., stationery.....	620	7.05
The University Press, stationery.....	626	6.10
Wyckoff, Seamans & Benedict, typewriter supplies.....	628	5.30
Wyckoff, Seamans & Benedict, typewriter supplies.....	629	3.05
J. A. Vye, sundry disbursements.....	632	81.99
Brooks Bros., lumber.....	756	5.72
F. L. Delaney, team Percheron horses.....	759	200.00
The Eagle Printing Co., 500 programs.....	760	5.25
Forman, Ford & Co., glass.....	761	8.07
C. W. Gray Printing Co., letter heads and envelopes.....	763	11.20
Harrison & Smith Co., ledger.....	766	7.50
Victor A. Lundberg, plastering dining hall.....	772	5.50
Lyman-Eliel Drug Co., drugs.....	774	2.80
The Munson Stationery Co., 12 gross pens.....	777	6.75
Minneapolis Iron Stove Co., steel.....	780	26.53
W. S. Nott Co., eight valves.....	783	3.20
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	789	21.65
John A. Schlener & Co., stationery.....	796	2.85
Steward & Hutcheon, castings.....	798	6.43
R. B. Thompson, lumber.....	799	29.51
J. A. Vye, coal.....	800	15.40
Wyckoff, Seamans & Benedict, regents' carbons.....	802	.50
Ginn & Co., books.....	808	38.40
J. A. Vye, sundry disbursements.....	809	31.48
American Book Co., 74 books.....	943	51.66
Allyn & Bacon, books.....	944	5.60
Brooks Bros., lumber.....	947	13.22
Boutell Bros., mattress and spring.....	948	7.25
The Eagle Printing Co., printing.....	959	34.50
Field, Schlick & Co., dry goods.....	960	28.62
Gruenhagen Bros., hardware.....	962	23.65
Henry Holt & Co., 125 Chemistry Books.....	966	77.33
Orange Judd Co., 50 "Study of Breeds".....	972	45.00
Leslie & McAfee, paper.....	974	3.00
Minneapolis Iron Stove Co., steel.....	976	27.70
Nicols & Dean, steel and rasps.....	983	18.43
E. E. Olson & Co., shades, magazine subscriptions, etc.....	986	11.95
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	987	12.26
John A. Schlener & Co., stationery.....	991	7.25
R. B. Thompson, lumber.....	993	23.50
J. A. Vye, dinners for two delegations.....	994	26.25
Wyckoff, Seamans & Benedict, typewriter supplies.....	995	2.25
F. S. Webster Co., ink.....	997	4.65
Webb Publishing Co., 75 "Vegetable Gardening".....	998	75.00
N. W. Fuel Co., coal.....	1001	437.20
J. A. Vye, sundry disbursements.....	1002	20.96
J. A. Vye, sundry disbursements.....	1003	19.27
Ainsworth & Co., booklets.....	1108	7.02
Brooks Bros., lumber.....	1110	8.96
W. J. Dyer & Bro., three months rent of piano.....	1114	12.50
The Eagle Printing Co., blank books.....	1115	10.55
Electrical Engineering Co., electrical supplies.....	1116	12.71
Field, Schlick & Co., two rugs.....	1118	15.00
Forman, Ford & Co., lights, glass.....	1119	3.90

	No. Voucher.	Amount.
John Leslie Paper Co., paper.....	1125	11.50
Minneapolis Photo Materials Co., solio.....	1129	.60
Metropolitan Music Co., cello, etc.....	1130	26.22
Minneapolis Dry Goods Co., shades.....	1132	5.92
Nicols & Dean, horseshoes, etc.....	1135	8.31
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1142	9.35
St. Anthony Hardware Co., hardware.....	1143	8.47
John A. Schlener & Co., stationery.....	1146	3.78
J. H. Smith, two novelty stoves.....	1147	25.00
R. B. Thompson, lumber.....	1148	30.30
J. A. Vye, sundry disbursements.....	1161	49.58
J. A. Vye, sundry disbursements.....	1162	3.04
Walter S. Booth & Son, 40 volumes township manuals.....	1293	20.00
Brooks Bros., lumber.....	1294	5.93
Chemical Publishing Co., 12 "Chemistry of Soils".....	1297	12.60
Elmer E. Calderwood, six pullets.....	1298	6.00
W. J. Dyer & Bro., moving piano.....	1300	5.00
Louis Dreka, 68 diplomas.....	1301	85.00
Electrical Engineering Co., electrical supplies.....	1302	7.51
Forman, Ford & Co., glass.....	1303	15.12
The John Leslie Paper Co., paper.....	1308	6.57
Minneapolis Iron Stove Co., steel.....	1311	8.26
W. K. Morrison & Co., hardware.....	1313	8.59
Metropolitan Music Co., orchestra.....	1315	29.00
The Munson Stationery Co., paper and carbon.....	1316	2.32
Nicols & Dean, mild steel.....	1317	9.23
Northwestern Fuel Co., coal.....	1319	42.51
Plumbing & Steamfitting Supplies Co., hardware.....	1323	3.22
Rickard & Gruman, 63 diplomas.....	1325	31.50
D. W. Sprague, accountant, sundry disbursements.....	1327	11.95
Fred J. Scott, 1,000 programs.....	1328	11.50
R. B. Thompson, lumber.....	1329	27.48
John A. Schlener & Co., stationery.....	1330	8.55
St. Anthony Hardware Co., hardware.....	1331	5.20
Standard Oil Co., gasoline.....	1333	6.25
J. A. Vye, sundry disbursements.....	1335	74.80
Crescent Steel Co., crescent steel.....	1445	24.20
The Munson Stationery Co., ribbon.....	1463	2.50
McGill-Warner Co., 2,000 pamphlets, agricultural edition.....	1465	45.00
John A. Schlener & Co., stationery.....	1474	4.40
St. Anthony Hardware Co., hardware.....	1477	8.38
Fred J. Scott, 1,000 "Invitation to School".....	1479	18.50
J. A. Vye, treasurer, entertaining delegates.....	1481	48.25
Plumbing & Steamfitting Supplies Co., solder, etc.....	1486	3.55
J. A. Vye, sundry disbursements.....	1487	46.20
Brooks Bros., lumber.....	1584	13.16
W. K. Morrison & Co., hardware.....	1601	4.05
McGill-Warner Co., printing.....	1602	1.00
C. W. Menelly, groceries.....	1603	13.60
St. Paul Book & Stationery Co., six copies Geometry.....	1614	6.75
St. Anthony Hardware Co., hardware.....	1616	10.06
J. A. Vye, sundry disbursements.....	1624	11.82
Dearborn Drug & Chemical Works, one-half barrel oil.....	1709	14.57
The John Leslie Paper Co., paper.....	1717	11.00
Noyes Bros. & Cutler, alcohol.....	1723	10.42
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1729	1.54
Forman, Ford & Co., glass.....	1788	8.71
John Leslie Paper Co., paper.....	1794	2.10
John Leslie Paper Co., paper.....	1795	4.04
Phoenix Chair Co., chairs.....	1800	52.00
J. A. Vye, sundry disbursements.....	1817	2.32
Total .....		\$24,716.00

## Division of Agriculture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
W. M. Hayes, professor.....	...	\$494.92
Andrew Boss, foreman.....	...	560.00
J. A. Vye, secretary, students' payrolls.....	...	64.77
Adolph Poirier, barn and office brooms.....	244	5.95
E. E. Peterson, numbering chairs.....	428	3.96
J. A. Vye, secretary, sundry disbursements.....	632	3.90
Wyckoff, Seamans & Benedict, paper.....	996	2.40
N. W. Fuel Co., coal.....	1001	200.00
C. L. Moffat, horseshoeing.....	1134	31.30
Total .....		\$1,872.20

## Division of Chemistry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Harry Snyder, professor.....	.....	\$1,299.96
Ralph Hoagland, laborer.....	.....	227.60
M. G. Ellerbe, stenographer.....	.....	341.00
John A. Hummel, instructor.....	.....	183.37
Isabel D. Parker, instructor.....	.....	420.00
Mary M. Cheney, laborer.....	.....	15.00
Baker & Adamson Chemical Co., chemicals.....	7	58.50
Electrical Engineering Co., electrical supplies.....	12	6.18
Gruenhagen Bros., hardware.....	16	.90
Leslie & McAfee, paper.....	19	6.00
Noyes Bros. & Cutler, drugs.....	28	2.80
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	33	2.26
John A. Schlener & Co., stationery.....	34	5.50
Union Railway Storage Co., lime and sewer pipe.....	39	7.70
Herbert Doble, carpenter work.....	45	33.00
W. G. Johnson, carpenter work.....	48	9.50
Victor A. Lundberg, plastering in laboratory.....	49	35.00
W. K. Morrison & Co., hardware.....	51	2.33
Elvin Strom, covering pipe in laboratory.....	52	13.50
Bramblett & Beygeh, zinc etchings.....	213	10.50
The Chemical Publishing Co., 50 copies "Dairying".....	215	50.00
Eimer & Amend, physical apparatus.....	219	123.44
Richards & Co., laboratory supplies.....	246	82.05
John A. Schlener & Co., stationery.....	252	14.50
H. Crawford Co., 75 covers.....	391	7.50
Eagle Printing Co., printing.....	400	38.75
W. G. Johnson, work at chemical laboratory.....	406	12.00
J. A. Vye, secretary, sundry disbursements.....	441	27.82
Noyes Bros. & Cutler, drugs.....	613	9.54
Richards & Co., Limited, chemical apparatus.....	618	115.66
G. E. Strom, work chemical laboratory.....	623	9.25
R. B. Thompson, lumber.....	625	60.48
Brooks Bros., lumber.....	756	6.30
Forman, Ford & Co., shellac and alcohol.....	761	3.00
W. G. Johnson, work at chemical laboratory.....	770	21.93
Victor A. Lundberg, plastering chemical laboratory.....	772	27.50
J. S. Malberg, work chemical laboratory.....	779	6.22
John A. Schlener & Co., stationery.....	796	12.50
Wyckoff, Seamans & Benedict, black ink.....	802	1.50
J. A. Vye, secretary, sundry disbursements.....	809	7.20
Eimer & Amend, chemicals.....	957	63.64
The Eagle Printing Co., printing.....	959	2.75
Leslie & McAfee, paper.....	974	4.07
Noyes Bros. & Cutler, drugs.....	982	5.84
John A. Schlener & Co., stationery.....	991	5.90
Standard Oil Co., gasoline.....	992	31.54
Wyckoff, Seamans & Benedict, two quires stencil.....	995	4.00
N. W. Fuel Co., coal.....	1001	400.00
J. A. Vye, secretary, sundry disbursements.....	1002	14.09
John A. Schlener & Co., varnish.....	1146	.40
J. A. Vye, secretary, sundry disbursements.....	1161	6.15
Noyes Bros. & Cutler, drugs.....	1318	5.46
The John Leslie Paper Co., paper.....	1462	6.00
Noyes Bros. & Cutler, drugs.....	1473	4.38
J. A. Vye, secretary, sundry disbursements.....	1487	4.79
Eimer & Amend, physical apparatus.....	1588	31.60
The John Leslie Paper Co., paper.....	1599	5.00
The S. S. White Dental Manufacturing Co., 100 gallons oxygen.....	1622	17.25
J. A. Vye, secretary, sundry disbursements.....	1624	5.50
J. A. Vye, secretary, sundry disbursements.....	1627	.80
Noyes Bros. & Cutler, alcohol.....	1723	2.85
John Leslie Paper Co., paper.....	1794	2.52
J. A. Vye, secretary, sundry disbursements.....	1816	5.00
John A. Schlener & Co., stationery.....	1818	4.00
Total .....		\$3,953.19

## Division of Entomology.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Otto Lugger, professor.....		\$1,000.00
W. G. Johnson, carpenter work.....	48	5.00
N. W. Star Oil Co., shellac and oil.....	426	17.50
Northwestern Fuel Co., coal.....	1001	125.00
Total .....		\$1,147.50

## Division of Horticulture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Samuel B. Green, professor.....		\$1,100.00
R. S. Mackintosh, assistant.....		528.75
Laborers .....		1,152.33
Students' payrolls .....		49.17
John A. Schlener & Co., stationery.....	252	1.75
Bausch & Lomb Optical Co., lenses and stand.....	388	39.87
The Jewell Nursery Co., 2,000 apple roots.....	596	10.00
John A. Schlener & Co., stationery.....	620	.85
J. A. Vye, secretary, sundry disbursements.....	632	28.76
Broni's Cutlery Co., 60 pudding knives.....	757	10.00
Gruenhagen Bros., hardware.....	764	.24
Minneapolis Photo Materials Co., photo materials.....	775	6.25
W. K. Morrison & Co., hardware.....	778	9.28
N. W. Fuel Co., coal.....	784	379.56
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	789	1.69
L. B. Prince, books.....	790	7.50
The Randolph Paper Box Co., two compartment boxes.....	792	16.50
Swahn Pottery Manufacturing Co., 1,500 pots.....	795	15.80
Wyckoff, Seamans & Benedict, letter book.....	802	2.50
J. A. Vye, secretary, sundry disbursements.....	809	8.96
Bausch & Lomb Optical Co., physical apparatus.....	949	9.59
Gardner-Warner Hardware Co., key and locks.....	963	14.56
W. K. Morrison & Co., hardware.....	979	11.39
McGill-Warner Co., printing.....	980	3.50
Northrup, King & Co., seeds.....	984	5.55
John A. Schlener & Co., stationery.....	991	6.85
Zimmerman Bros., chemicals.....	999	3.45
McClellan Paper Co., paper.....	1000	7.25
N. W. Fuel Co., coal.....	1001	220.44
J. A. Vye, secretary, sundry disbursements.....	1002	17.34
Brooks Bros., lumber.....	1110	8.29
Forman, Ford & Co., lights glass.....	1119	15.24
John Leslie Paper Co., twine.....	1125	1.40
W. K. Morrison & Co., hardware.....	1131	6.80
Northwestern Foundry, foundry supplies.....	1136	6.11
Northwestern Mantel Co., 75 pieces marble.....	1137	7.50
Noyes Bros. & Cutler, drugs.....	1139	3.09
St. Anthony Hardware Co., hardware.....	1143	3.25
Swahn Pottery Manufacturing Co., 400 pots.....	1145	6.66
J. M. Thorburn & Co., flower seeds.....	1149	6.62
Williams & Sons Co., pot labels.....	1152	7.05
Zimmerman Bros., lantern slides, etc.....	1154	7.12
J. A. Vye, secretary, sundry disbursements.....	1161	5.71
Bemis Bros. Bag Co., 50 yards burlap.....	1292	2.25
Forman, Ford & Co., glass.....	1303	7.42
Keuffel & Esser Co., one pair callipers.....	1307	4.25
The John Leslie Paper Co., paper.....	1308	5.06
W. K. Morrison & Co., hardware.....	1313	.40
Noyes Bros. & Cutler, drugs.....	1318	.84
Queen & Co., physical apparatus.....	1324	19.28
St. Anthony Hardware Co., hardware.....	1331	1.78
Whitall, Tatum & Co., drugs.....	1336	5.40
Mary Moulton Cheney, drawing 10 charts.....	1447	7.50
Zimmerman Bros., photographers' supplies.....	1485	4.15
J. A. Vye, secretary, sundry disbursements.....	1487	20.44
Vilmoun Andrieux & Co., books.....	1488	82.10



	No. Voucher.	Amount.
Janney, Semple, Hill & Co., hardware.....	1585	5.00
Northrup, King & Co., grass seed.....	1607	7.94
J. A. Vye, secretary, sundry disbursements.....	1624	2.40
The E. G. Hill Co., plants.....	1627	2.06
W. S. Nott Co., hose.....	1628	7.00
J. A. Vye, secretary, sundry disbursements.....	1725	20.60
J. A. Vye, secretary, sundry disbursements.....	1817	.50
Total .....		\$3,960.96

## Division of Animal Husbandry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Thomas Shaw, professor.....	...	\$999.96
Lyman-Eliel Drug Co., drugs.....	774	22.03
N. W. Fuel Co., coal.....	1001	125.00
Total .....		\$1,146.99

## Division of Dairy Husbandry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
T. L. Haecker, professor.....	...	\$900.00
William Boss, mechanical engineer.....	...	70.77
E. W. Major, assistant.....	...	999.96
B. D. White, instructor.....	...	75.00
H. D. Sondergaard, instructor.....	...	75.00
Samuel Haugdahl, instructor.....	...	75.00
A. J. Glover, instructor.....	...	75.00
P. S. Parker, instructor.....	...	27.50
Assistants and laborers.....	...	2,521.86
Students' payrolls .....	...	629.90
Diamond Elevator & Milling Co., feed.....	11	31.00
C. W. Gray 1,000 blanks, cheese work.....	15	4.75
Harley Parker, work on silo.....	30	3.75
Pillsbury-Washburn F. M. Co., feed.....	32	25.00
Brooks Bros., lumber.....	44	79.81
Herbert Doble, carpenter work.....	45	22.55
Elvin Strom, building silo.....	52	4.05
J. A. Vye, secretary, sundry disbursements.....	53	43.62
Thos. Hogan, carpenter work on silo.....	54	23.02
Archer & Co., oil meal.....	207	27.85
Brooks Bros., lumber.....	210	6.25
Diamond Elevator & Milling Co., feed.....	216	48.58
Gruenhagen Bros., hardware.....	221	2.75
Janney, Semple, Hill & Co., hardware.....	227	17.20
Leslie & McAfee, paper.....	229	3.28
Minneapolis Photo Materials Co., photo materials.....	235	3.55
Pillsbury-Washburn F. M. Co., feed.....	242	49.00
Standard Oil Co., gasoline.....	250	2.50
J. A. Vye, secretary, sundry disbursements.....	262	51.98
Archer & Co., 2,000 pounds oil meal.....	384	26.10
Brooks Bros., shavings.....	387	10.00
Creamery Package Manufacturing Co., brushes, bottles, etc.....	390	36.80
Diamond Elevator Milling Co., corn.....	394	68.30
Eagle Printing Co., printing.....	400	7.00
J. F. Grant, four Polled Angus heifers.....	405	100.00
Lyman-Eliel Drug Co., one barrel sal soda.....	409	4.31
Pillsbury-Washburn F. M. Co., feed.....	429	36.90
E. E. Peterson, numbering chairs.....	428	5.40
Standard Oil Co., gasoline.....	434	4.25
Union Railway Storage Co., one sack plaster.....	438	1.00
The Wagner Glass Works, milk testers.....	440	23.00
J. A. Vye, secretary, sundry disbursements.....	441	23.20
Ames & Rollinson Co., 100 diplomas.....	445½	110.00
Brooks Bros., four loads shavings.....	575	5.00
Creamery Package Manufacturing Co., six dozen jars.....	578	6.60

	No. Voucher.	Amount.
Freeman & Lanpher, bran.....	585	18.75
The N. K. Fairbank Co., five tons meal.....	588	107.50
The Glucose Sugar Refining Co., seven "Gluten".....	589	182.70
Gruenhagen Bros., hardware.....	591	9.25
Harrison & Smith Co., stationery.....	595	18.25
Minnesota Soap Co., 186 pounds fig soap.....	610	9.30
Northern Linseed Oil Co., 1,000 pounds flaxseed.....	612	40.00
Pillsbury-Washburn F. M. Co., bran.....	616	12.00
Standard Oil Co., gasoline.....	624	8.51
Western Linseed Co., 2,000 pounds oil meal.....	627	26.60
J. A. Vye, secretary, sundry disbursements.....	632	73.00
Brooks Bros., lumber.....	756	23.41
Foreman, Ford & Co., window glass.....	761	.77
Freeman & Lanpher, 3,000 pounds bran.....	762	18.75
Gruenhagen Bros., hardware.....	764	2.05
Harrison & Smith Co., dairy reports.....	766	6.00
Leslie & McAfee, paper.....	771	3.50
McGill-Warner Co., 500 feed records.....	776	6.50
Northwestern Fuel Co., coal.....	784	500.00
Pierce Bros., oats.....	787	130.86
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	789	11.22
Standard Oil Co., gasoline.....	794	7.61
Western Linseed Co., 2,000 pounds oil meal.....	807	25.10
J. A. Vye, secretary, sundry disbursements.....	809	32.84
Brooks Bros., shavings.....	947	1.25
The Crescent Creamery Co., 8,581 gallons milk.....	950	1,287.15
Creamery Package Manufacturing Co., creamery supplies.....	952	72.10
The Eagle Printing Co., printing.....	959	14.50
Freeman & Lanpher, 9,000 pounds bran.....	961	58.00
Gruenhagen Bros., hardware.....	962	2.15
Glucose Sugar Refining Co., one ton oil meal.....	964	25.00
E. V. King & Co., straw.....	971	14.30
Plumbing & Steamfitting Supplies Co., pipe and ells.....	987	19.82
Pierce Bros., corn.....	988	199.60
Standard Oil Co., gasoline.....	992	11.57
J. A. Vye, secretary, sundry disbursements.....	1002	26.40
Brooks Bros., lumber.....	1110	2.35
Douglass & Co., 2,000 pounds oil meal.....	1113	25.10
Freeman & Lanpher, mill feed.....	1120	38.00
Wm. F. Lindlg, manager, 3,800 pounds ice.....	1124	5.70
Lyman-Eliel Drug Co., drugs.....	1126	19.36
Standard Oil Co., gasoline.....	1144	9.03
Western Linseed Co., one ton oil meal.....	1150	25.10
C. E. Wales, one Jersey bull.....	1151	75.00
J. A. Vye, secretary, sundry disbursements.....	1161	49.74
Freeman & Lanpher, mill feed.....	1304	52.50
Janney, Semple, Hill & Co., hardware.....	1305	1.00
The John Leslie Paper Co., paper.....	1308	.90
Victor A. Lundberg, cementing in Dairy Hall.....	1309	9.50
Rickard & Gruman, 84 diplomas.....	1325	42.00
St. Anthony Hardware Co., hardware.....	1331	3.65
Standard Oil Co., gasoline.....	1333	12.34
J. A. Vye, secretary, sundry disbursements.....	1335	44.23
Creamery Package Manufacturing Co., boxes and cloth circles.....	1446	4.98
Brooks Bros., two loads shavings.....	1449	2.50
Diamond Elevator & Milling Co., 50 bushels corn.....	1450	21.25
Freeman & Lanpher, mill feed.....	1453	46.15
Harrison & Smith Co., 2,000 letter heads.....	1456	6.50
R. R. Howell & Co., axle and wheels.....	1457	3.50
Janney, Semple, Hill & Co., hardware.....	1459	4.80
McGill-Warner Co., 2,000 posters.....	1465	3.00
The Minnesota Soap Co., 278 pounds fig soap.....	1466	14.60
Olaf Olsen, upland hay.....	1474	141.08
St. Anthony Hardware Co., hardware.....	1477	1.60
Standard Oil Co., gasoline.....	1478	10.90
Upton & Shadewald, 4,070 pounds hay.....	1480	24.42
J. A. Vye, secretary, sundry disbursements.....	1487	29.32
Brooks Bros., lumber.....	1584	8.75
Creamery Package Manufacturing Co., sal soda and cheese boxes.....	1585	4.16
Central Avenue Feed Co., 2,340 pounds hay.....	1586	17.55
Freeman & Lanpher, mill feed.....	1589	37.50
Harrison & Smith Co., 4,000 blanks.....	1594	9.00
E. V. King & Co., 4,650 pounds hay.....	1597	32.76
The John Leslie Paper Co., paper.....	1599	13.88
Minneapolis Photo Materials Co., one gross solio.....	1600	2.95
Olaf Olsen, upland hay.....	1609	53.50
Standard Oil Co., gasoline.....	1615	5.77
St. Anthony Hardware Co., hardware.....	1616	16.10
J. A. Vye, secretary, sundry disbursements.....	1624	35.05
J. A. Vye, secretary, sundry disbursements.....	1627	1.50

	No. Voucher.	Amount.
Brooks Bros., shavings.....	1705	6.25
Freeman & Lanpher, mill feed.....	1710	44.25
Standard Oil Co., gasoline.....	1730	8.14
St. Anthony Hardware Co., hardware.....	1733	5.32
Green & De Laittre Co., four barrels salt.....	1739	5.00
Lyman-Ellel Drug Co., drugs.....	1798	4.20
Freeman & Lanpher, mill feed.....	1812	83.05
T. L. Haecker, one horse.....	1813	75.00
J. A. Vye, secretary, sundry disbursements.....	1816	15.15
J. A. Vye, secretary, sundry disbursements.....	1817	4.23
W. S. Nott Co., belting.....	1824	4.90
Union Railway Storage Co., cement.....	1825	3.60
Total .....		<u>\$10,602.97</u>

**Division of Veterinary.****CURRENT EXPENSE.**

	No. Voucher.	Amount.
Myron H. Reynolds, professor.....	...	\$1,239.96
George Williamson, laborer.....	...	187.31
E. A. Palmer, laborer.....	...	58.07
J. A. Vye, secretary, students' payrolls.....	...	19.98
Theodore Anderson, 1,850 pounds hay.....	755	9.25
Pierce Bros., oats.....	787	12.34
Theodore Anderson, 1,842 pounds timothy.....	942	9.21
N. W. Fuel Co., coal.....	1001	125.00
Pierce Bros., oats and corn.....	1141	19.00
Theodore Anderson, 945 pounds hay.....	1153	4.72
Theodore Anderson, 2,860 pounds hay.....	1156	14.30
H. Crawford Co., 30 book covers.....	1206	3.60
Northwestern Fuel Co., coal.....	1319	42.19
St. Anthony Hardware Co., hardware.....	1331	1.45
Theodore Anderson, 945 pounds hay.....	1441	4.72
Theodore Anderson, 925 pounds hay.....	1442	4.63
The John Leslie Paper Co., paper.....	1462	1.62
Theodore Anderson, 1,200 pounds hay.....	1484	6.00
Theodore Anderson, 945 pounds hay.....	1625	4.72
Theodore Anderson, 929 pounds hay.....	1626	4.63
Brooks Bros., shavings.....	1705	1.25
John Leinen, 745 pounds oats.....	1716	7.45
Noyes Bros. & Cutler, drugs.....	1722	3.00
St. Anthony Hardware Co., hardware.....	1733	3.12
Noyes Bros. & Cutler, drugs.....	1810	29.12
Total .....		<u>\$1,876.64</u>

**EXPERIMENT STATION.****General Station.****CURRENT EXPENSE.**

	No. Voucher.	Amount.
William M. Liggett, dean.....	...	\$1,800.00
John A. Vye, secretary.....	...	750.00
E. H. S. Darth, director, Owatonna Station.....	...	499.92
Alice M. Otis, stenographer.....	...	165.00
Kate W. Oliver, stenographer.....	...	720.00
William Boss, mechanical engineer.....	...	395.83
Anne Vilas, stenographer.....	...	<u>540.00</u>
Assistants and laborers.....	...	2,872.35
Students' payrolls.....	...	30.07
E. H. S. Darth, expenses Owatonna Station one year.....	10	191.65
Diamond Elevator & Milling Co., feed.....	11	29.50
Harrison & Smith Co., 1,000 letter heads.....	17	4.50
Leslie & McAfee, paper.....	19	5.15
N. W. Telephone Exchange Co., rent of telephone four months.....	26	6.00
N. W. Fuel Co., coal.....	27	899.28

	No. Voucher.	Amount.
W. C. Palmer, sundry disbursements.....	29	5.72
Pierce Bros., feed.....	31	324.42
John A. Schlener & Co., stationery.....	34	4.01
C. C. Lyford, horse doctoring.....	43	57.90
Brooks Bros., lumber.....	44	11.20
Herbert Doble, carpenter work.....	45	4.13
Asa Paine, lumber and labor for floor.....	50	36.00
J. A. Vye, secretary, sundry disbursements.....	53	200.39
Brooks Bros., lumber.....	210	3.99
Eagle Printing Co., 1,000 letter heads.....	218	3.00
Andrew Johnson, mason work on silo.....	225	26.65
Leslie & McAfee, paper.....	229	.99
McGill-Warner Co., 16,000 bulletins.....	231	1,009.00
C. L. Moffatt, horseshoeing.....	234	4.50
N. W. Telephone Co., line rentals.....	236	16.00
Fred J. Scott, payrolls.....	248	3.50
Elvin Strom, work on silo.....	260	5.70
Herbert Doble, work at barn.....	261	14.85
J. A. Vye, secretary, sundry disbursements.....	262	157.65
Harley Parker, work at fern house.....	263	4.46
Forman, Ford & Co., plate glass.....	401	1.30
Leslie & McAfee, paper.....	408	39.04
Wm. M. Liggett, visit to Ames Agricultural College.....	410	17.42
Madeline M. Liggett, office work three months.....	412	20.00
Munson Stationery Co., stationery.....	415	2.50
W. K. Morrison & Co., hardware.....	417	.20
W. S. Nott Co., pieces leather.....	424	7.50
N. W. Telephone Exchange Co., line rental.....	425	8.10
B. A. Rose, band instruction one month.....	433	20.00
J. A. Vye, secretary, sundry disbursements.....	441	56.23
Brooks Bros., lumber.....	576	7.05
Victor A. Lundberg, mason work on barn.....	603	9.00
Wm. M. Liggett, one-half expense annual convention.....	604	56.95
Minneapolis Iron Store Co., hardware.....	606	46.32
C. L. Moffat, horseshoeing.....	608	10.50
R. L. Polk & Co., St. Paul Directory.....	614	5.00
Fred J. Scott, printing.....	619	5.50
Wyckoff, Seamans & Benedict, typewriter supplies.....	629	3.05
J. A. Vye, secretary, sundry disbursements.....	632	69.38
Wyckoff, Seamans & Benedict, typewriter supplies.....	628	3.05
F. L. Delaney, team Percheron horses.....	759	200.00
Forman, Ford & Co., glass.....	761	4.02
C. W. Gray Printing Co., letter heads and envelopes.....	763	11.20
Gruenhagen Bros., hardware.....	764	.90
W. M. Hays, traveling expenses.....	767	96.35
John W. Hull & Co., horseshoeing.....	768	9.25
S. B. Loye & Sons, horse furnishings.....	773	32.55
McGill-Warner Co., 2,000 bulletins.....	776	10.00
Minneapolis Iron Store Co., cast shoes.....	780	1.92
C. L. Moffat, horseshoeing.....	781	19.50
N. W. Telephone Exchange Co., line rental.....	782	8.00
W. S. Nott Co., eight valves.....	783	3.20
Olof Olsen, 41,160 pounds hay.....	785	185.22
Olof Olsen, 22,940 pounds hay.....	786	103.23
Pierce Bros., oats.....	781	173.73
Plumbing & Steamfitting Supplies Co., plumbing materials.....	789	21.66
F. C. Pryor, 19,090 pounds hay.....	791	86.93
John A. Schlener & Co., stationery.....	796	2.85
Standard Foundry, castings.....	798	6.44
J. A. Vye, secretary, coal.....	800	23.63
J. A. Vye, secretary, sundry disbursements.....	809	118.98
Association of American Agricultural Colleges & Experimental Stations, membership fees.....	945	10.00
Brooks Bros., lumber.....	947	14.43
Denney-Stevens Tag Co., 5,000 tags.....	955	6.25
The Eagle Printing Co., printing.....	959	162.80
Gruenhagen Bros., hardware.....	962	15.18
E. A. Henderson, annual rental forty acres.....	969	140.00
Leslie & McAfee, paper.....	974	3.55
Minneapolis Iron Store Co., sled pole.....	976	1.50
McGill-Warner Co., printing.....	980	67.50
N. W. Telephone Exchange Co., line rental one month.....	985	8.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	987	12.28
John A. Schlener & Co., one journal.....	991	3.70
F. S. Webster Co., ink.....	997	4.66
J. A. Vye, secretary, sundry disbursements.....	1002	134.82
Art Engraving Co., engraving bird's-eyes of grounds.....	1109	8.25
Boutell Bros., blankets.....	1111	10.25
Forman, Ford & Co., lights glass.....	1119	1.44
P. Howard, wagon materials.....	1121	6.35
W. H. Konantz & Co., one harness.....	1123	39.00

	No. Voucher.	Amount.
John Leslie Paper Co., 1,000 envelopes.....	1125	2.03
McGill-Warner Co., 500 annual reports.....	1127	122.00
N. W. Telephone Exchange Co., line rental one month.....	1138	8.00
Pierce Bros., oats and corn.....	1141	169.33
St. Anthony Hardware Co., hardware.....	1143	4.63
John A. Schlener & Co., stationery.....	1146	3.03
J. A. Vye, secretary, sundry disbursements.....	1161	79.00
Brooks Bros., lumber.....	1294	5.93
Forman, Ford & Co., glass.....	1303	5.23
McGill-Warner Co., 2,300 bulletins.....	1312	12.00
W. K. Morrison & Co., hardware.....	1313	8.60
C. L. Moffat, horseshoeing.....	1314	21.00
The Munson Stationery Co., paper and carbon.....	1316	2.33
Northwestern Fuel Co., coal.....	1319	31.53
N. W. Telephone Exchange Co., line rental.....	1320	8.25
Plumbing & Steamfitting Supplies Co., hardware.....	1323	3.21
John A. Schlener & Co., stationery.....	1330	8.55
Otto Gas Engine Works, exhaust cams.....	1332	19.60
J. A. Vye, secretary, sundry disbursements.....	1335	53.73
American Electric Co., electrical supplies.....	1443	6.94
W. M. Hays, travel to and from Washington.....	1455	91.00
S. B. Loye & Sons, whips, thread and needles.....	1461	2.30
The John Leslie Paper Co., paper.....	1462	21.00
The Munson Stationery Co., ribbons.....	1463	2.50
Minneapolis Iron Store Co., carriage bolts.....	1464	23.84
C. L. Moffat, horseshoeing.....	1469	7.00
Northwestern Fuel Co., two tons coal.....	1470	13.50
N. W. Telephone Exchange Co., line rental.....	1471	9.65
Noyes Bros. & Cutler, drugs.....	1473	.25
Olof Olsen, upland hay.....	1474	64.30
John A. Schlener & Co., stationery.....	1476	8.70
St. Anthony Hardware Co., hardware.....	1477	7.33
Wyckoff, Seamans & Benedict, gorin tabulator.....	1482	18.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1486	16.25
J. A. Vye, secretary, sundry disbursements.....	1487	57.96
Brooks Bros., lumber.....	1584	4.92
Diamond Elevator & Milling Co., 137½ bushels oats.....	1587	41.25
C. W. Gray Printing Co., printing 12,000 letter heads.....	1591	6.60
W. H. Konantz & Co., horse furnishings.....	1598	5.20
The John Leslie Paper Co., paper.....	1599	5.37
McGill-Warner Co., printing.....	1602	14.75
C. L. Moffat, horseshoeing.....	1605	12.50
N. W. Telephone Exchange Co., line rental.....	1606	8.80
Olof Olsen, hay.....	1609	52.50
S. E. Olson Co., dry goods.....	1610	15.30
Pierce Bros., oats.....	1612	182.63
W. P. Reynolds, thirty cedar posts.....	1613	5.50
John A. Schlener & Co., stationery.....	1619	3.45
J. A. Vye, secretary, sundry disbursements.....	1624	56.93
Dearborn Drug & Chemical Works, one-half barrel oil.....	1709	14.58
P. Howard, wagon materials.....	1712	11.00
R. R. Howell & Co., 70 rounds castings.....	1713	4.20
C. L. Moffat, horseshoeing.....	1720	7.00
McGill-Warner Co., bulletins of station.....	1721	24.50
Noyes Bros. & Cutler, alcohol.....	1723	10.43
N. W. Telephone Exchange Co., line rental.....	1726	8.00
N. W. Telephone Exchange Co., line rental, July.....	1727	8.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1729	1.53
John A. Schlener & Co., stationery.....	1731	5.65
Thomson & Ege Carriage Co., Waverly carriage.....	1734	140.00
Bramblett & Beygeh, etchings.....	1781	6.00
C. C. Lyford, surgeon's visit.....	1792	5.00
John Leslie Paper Co., paper.....	1794	6.84
C. W. Menellly, groceries.....	1796	5.65
Northern Machinery Co., 15½ pounds babbitt.....	1798	4.98
Thomson & Ege Carriage Co., cutter.....	1803	40.00
C. L. Moffat, horseshoeing.....	1807	8.00
Minneapolis Iron Store Co., iron.....	1808	2.38
J. A. Vye, secretary, sundry disbursements.....	1816	74.98
J. A. Vye, secretary, sundry disbursements.....	1817	7.00
John A. Schlener & Co., stationery.....	1818	1.36
R. L. Polk & Co., St. Paul Directory.....	1819	5.00
S. B. Loye & Sons, horse furnishings.....	1821	21.73
Total .....		\$14,717.12

## Division of Agriculture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
W. M. Hays, professor.....		\$1,200.00
Andrew Boss, foreman.....		840.00
William Boss, mechanical engineer.....		107.29
Assistants and laborers.....		5,654.61
Students' payrolls.....		25.00
Fisher Paper Box Co., 200 boxes.....	13	13.50
Gruenhagen Bros., hardware.....	16	3.70
Janney, Semple, Hill & Co., scythe and snath.....	18	1.50
S. B. Loye Sons, harness materials.....	20	29.45
Minneapolis Iron Store Co., hardware.....	22	1.05
Minneapolis Photo Materials Co., photo materials.....	23	6.00
C. L. Moffat, horseshoeing.....	24	12.00
John A. Schlenker & Co., stationery.....	34	1.58
Standard Oil Co., gasoline.....	35	40.93
Whitall, Tatum & Co., jars.....	41	46.45
Winston, Farrington & Co., two barrels salt.....	42	2.30
Brooks Bros., lumber.....	44	.84
Gribben Lumber Co., cedar posts.....	46	30.73
W. K. Morrison & Co., hardware.....	51	74.56
J. A. Vye, secretary, sundry disbursements.....	53	25.47
I. J. Flaten, feed.....	54	99.61
Brooks Bros., lumber.....	210	3.95
Deering Harvester Co., 50 pounds twine.....	217	4.00
Gruenhagen Bros., hardware.....	221	5.65
W. D. Hackett, five hours threshing.....	224	40.00
W. K. Morrison & Co., hardware.....	232	2.20
C. L. Moffat, horseshoeing.....	234	6.50
Minneapolis Photo Materials Co., photo materials.....	235	13.97
W. C. Palmer, freight, stamps, etc.....	239	4.94
Adolph Poirier, rattan barn brooms.....	244	2.50
Smalley Manufacturing Co., knives, etc.....	249	12.50
Standard Oil Co., gasoline.....	250	14.50
J. A. Vye, secretary, sundry disbursements.....	262	63.52
Brooks Bros., lumber.....	387	28.02
The J. I. Case Implement Co., two-seated wagon.....	393	53.00
S. B. Loye & Sons, horse furnishings.....	411	28.90
Minneapolis Photo Materials Co., one bottle toning solution.....	413	.45
C. L. Moffat, horseshoeing.....	418	8.25
Northrup, King & Co., feed.....	422	7.55
Union Railway Storage Co., drain tile.....	438	.33
Williams & Sons Co., pot labels.....	439	4.80
J. A. Vye, secretary, sundry disbursements.....	441	14.19
Gruenhagen Bros., hardware.....	444	8.00
W. M. Hays, livery and hotel.....	445	7.25
Electric Wheel Co., four wheels.....	583	11.80
Gruenhagen Bros., hardware.....	590	5.72
Minnesota State Agricultural Society, rent of 25 acres land.....	605	75.00
Gruenhagen Bros., hardware.....	764	1.85
Anton Jordan, wheat and oats.....	769	134.47
Leslie & McAfee, paper.....	771	1.53
Minneapolis Photo Materials Co., photo materials.....	775	5.58
Wyckoff, Seamans & Benedict, work on machine.....	802	.50
Frank Wilzbacher, wheat and straw.....	806	65.05
J. A. Vye, secretary, sundry disbursements.....	809	21.99
Deering Harvester Co., harvester and binder, etc.....	954	77.31
Electric Wheel Co., four wheels.....	956	11.80
Eureka Manufacturing Co., one Wonder grain grader.....	958	28.47
Gruenhagen Bros., hardware.....	962	8.70
Leslie & McAfee, paper.....	974	3.66
Nicols & Dean, sleigh shoes.....	983	2.43
Wyckoff, Seamans & Benedict, paper.....	986	2.40
N. W. Fuel Co., coal.....	1001	200.00
J. A. Vye, secretary, sundry disbursements.....	1002	2.53
Douglass & Co., 2,000 pounds oil meal.....	1113	22.60
John Leslie Paper Co., envelopes.....	1125	3.56
Lyman-Eliel Drug Co., drugs.....	1126	7.05
Minneapolis Iron Store Co., steel.....	1128	9.97
Minneapolis Photo Materials Co., sollo.....	1129	6.00
Nicols & Dean, wagon materials.....	1135	1.90
J. A. Vye, secretary, sundry disbursements.....	1161	9.65
Bemis Bros. Bag Co., 400 bags.....	1292	51.00
St. Anthony Hardware Co., hardware.....	1331	.75
J. A. Vye, secretary, sundry disbursements.....	1335	22.99
Bemis Bros. Bag Co., 200 bags.....	1448	30.00

	No. Voucher.	Amount.
Brooks Bros., lumber.....	1449	10.37
C. H. Gangelhoff, harrow.....	1454	18.50
R. R. Howell & Co., castings.....	1457	2.94
Jenks Bros., 40 bushels seed corn.....	1458	43.00
W. G. Johnson, pattern making.....	1460	3.20
W. K. Morrison & Co., hardware.....	1467	14.16
Northrup, King & Co., grass seed.....	1472	16.51
John A. Schlener & Co., stationery.....	1476	1.20
J. A. Vye, secretary, sundry disbursements.....	1487	19.50
Brooks Bros., timber.....	1584	13.25
D. A. Gaumintz, sundry disbursements.....	1592	5.27
C. H. Gangelhoff, corn planter.....	1593	30.70
Janney, Semple, Hill & Co., hardware.....	1595	23.94
The John Leslie Paper Co., paper.....	1599	12.50
Minneapolis Photo Materials Co., premo holders.....	1600	3.90
W. K. Morrison & Co., hardware.....	1601	1.62
Northrup, King & Co., grain and garden seed.....	1607	12.10
Noyes Bros. & Cutler, drugs.....	1608	3.44
St. Anthony Hardware Co., hardware.....	1616	10.10
J. D. Scofield, nine bushels wheat.....	1617	11.25
John A. Schlener & Co., stationery.....	1619	3.00
Williams & Sons Co., 8,000 not labels.....	1621	4.00
L. B. Bassett, 30 bushels seed corn.....	1623	24.00
J. A. Vye, secretary, sundry disbursements.....	1624	471.32
J. A. Vye, secretary, sundry disbursements.....	1627	10.12
D. A. Gaumnitz, sundry disbursements.....	1711	8.85
Iowa Seed Co., 10 bushels peas.....	1714	22.50
The John Leslie Paper Co., paper.....	1717	2.92
Northrup, King & Co., pumpkin seeds.....	1724	.57
John A. Schlener & Co., stationery.....	1731	2.49
St. Anthony Hardware Co., hardware.....	1733	2.45
American Electric Co., electric supplies.....	1780	9.75
Brooks Bros., lumber.....	1782	6.68
H. H. Clothier, 12 bushels beans.....	1783	19.80
Deere & Webber Co., book.....	1785	4.25
Forman, Ford & Co., glass.....	1788	2.65
Keuffel & Esser Co., cross-section paper.....	1791	4.80
Lyman-Eliel Drug Co., drugs.....	1793	.35
John Leslie Paper Co., paper.....	1794	7.11
Minneapolis Photo Materials Co., photo materials.....	1797	5.10
St. Anthony Hardware Co., hardware.....	1802	12.85
Minneapolis Iron Store Co., wagon materials.....	1808	6.46
John Horrigan, Clydesdale mare.....	1814	200.00
Andrew Boss, travel, Lake City.....	1815	20.00
J. A. Vye, secretary, sundry disbursements.....	1817	4.40
St. Anthony Hardware Co., hardware.....	1823	7.15
O'Brien Bros., one Clydesdale mare.....	1827	200.00
Total .....		\$10,719.26

## Division of Chemistry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Harry Snyder, professor.....		\$900.00
William Boss, mechanical engineer.....		5.98
Isabel D. Parker, instructor.....		300.00
J. A. Standen, carpenter.....		8.40
F. B. Guthrie, laborer.....		15.00
G. L. Busian, laborer.....		80.06
George Dean, laborer.....		15.00
J. A. Vye, secretary, students' payrolls.....		.96
Bramblett & Beygeh, etchings.....	8	4.00
J. A. Vye, secretary, sundry disbursements.....	53	12.44
Standard Oil Co., gasoline.....	250	35.59
J. A. Vye, secretary, sundry disbursements.....	262	12.37
W. S. Nott Co., betting.....	611	17.38
Harry Snyder, expenses N. E. meeting.....	621	53.25
J. A. Vye, secretary, sundry disbursements.....	632	18.50
W. G. Johnson, work at chemical laboratory.....	770	21.85
Victor A. Lundberg, plastering laboratory.....	772	27.50
J. S. Malberg, work chemical laboratory.....	779	6.23
J. A. Vye, secretary, sundry disbursements.....	800	8.85
N. W. Fuel Co., coal.....	1001	200.00
John Leslie Paper Co., envelopes.....	1125	3.55

	No. Voucher.	Amount.
J. A. Vye, secretary, sundry disbursements.....	1161	7.86
Brooks Bros., lumber.....	1161	.....
J. A. Vye, secretary, sundry disbursements.....	1335	8.60
John A. Schlener & Co., stationery.....	1476	1.00
Standard Oil Co., gasoline.....	1478	36.21
J. A. Vye, secretary, sundry disbursements.....	1487	5.94
Emil Greisner, 18 tubes.....	1590	16.07
Noyes Bros. & Cutler, drugs.....	1608	5.95
St. Anthony Hardware Co., hardware.....	1616	3.65
J. A. Vye, secretary, sundry disbursements.....	1624	7.49
Noyes Bros. & Cutler, drugs.....	1810	2.20
J. A. Vye, secretary, sundry disbursements.....	1816	8.35
J. A. Vye, secretary, sundry disbursements.....	1817	1.15
<b>Total</b> .....		<b>\$1,846.38</b>

### Division of Entomology.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Otto Lugger, professor.....	...	\$1,000.00
J. A. Standen, carpenter.....	...	4.99
John Hoffman, teamster.....	...	.87
J. A. Vye, secretary, sundry disbursements.....	53	.25
J. A. Vye, secretary, sundry disbursements.....	632	1.00
N. W. Fuel Co., coal.....	1001	75.00
Brooks Bros., lumber.....	1294	5.62
W. G. Johnson, work.....	1306	8.10
J. A. Vye, secretary, sundry disbursements.....	1487	2.92
W. G. Johnson, carpenter work.....	1460	6.50
W. G. Johnson, carpenter work on cases.....	1596	11.90
<b>Total</b> .....		<b>\$1,116.55</b>

### Division of Horticulture.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Samuel B. Green, professor.....	...	\$1,100.00
R. C. Carroll, foreman.....	...	732.00
Assistants and laborers.....	...	1,190.69
Students' payrolls.....	...	38.86
Allen Bros., groceries.....	5	8.24
Gruenhagen Bros., hardware.....	16	.95
Minneapolis Photo Materials Co., photo materials.....	23	3.14
Northrup, King & Co., seeds.....	25	3.22
Noyes Bros. & Cutler, drugs.....	28	1.95
J. M. Thorburn & Co., plants and seeds.....	36	8.19
Twin City Fence & Wire Works, 30 rods fence.....	37	18.00
Brooks Bros., lumber.....	44	3.33
Gribben Lumber Co., cedar posts.....	46	9.28
W. K. Morrison & Co., hardware.....	51	1.22
J. A. Vye, secretary, sundry disbursements.....	53	26.13
Brooks Bros., lumber.....	210	7.60
J. A. Vye, secretary, sundry disbursements.....	282	4.69
Bemis Bros. Bag Co., jute.....	356	5.55
Samuel B. Green, sundry disbursements.....	404	22.76
Minneapolis Photo Materials Co., photo materials.....	413	4.25
W. K. Morrison & Co., hardware.....	417	1.45
C. L. Moffat, horseshoeing.....	419	5.00
Noyes Bros. & Cutler, drugs.....	420	1.55
Aug. S. Swanson, carnations.....	435	4.00
J. A. Vye, secretary, sundry disbursements.....	441	13.18
Keuffel & Esser Co., one pair callipers.....	599	4.50
Harlan P. Kelsey, 200 ginseng roots.....	600	6.00
Ch. E. Stechert, books.....	622	7.50
Zimmerman Bros., chemicals.....	631	11.21
Leslie & McAfee, paper.....	771	4.52
C. L. Moffat, horseshoeing.....	781	2.00
J. A. Vye, secretary, sundry disbursements.....	809	6.12
C. S. Harrison, pine and spruce seed.....	967	7.50



UNIVERSITY BOARD OF REGENTS.

65

	No. Voucher.	Amount.
S. B. Loye & Sons, harness, etc.....	975	40.30
N. W. Fuel Co., coal.....	1001	200.00
J. A. Vye, secretary, sundry disbursements.....	1002	2.19
Forman, Ford & Co., lights glass.....	1119	1.75
Zimmerman Bros., lantern slides, etc.....	1154	7.13
J. A. Vye, secretary, sundry disbursements.....	1181	9.88
J. A. Vye, secretary, sundry disbursements.....	1335	159.89
Henry A. Dreer, plants.....	1451	4.25
Eilwanger & Barry, plants.....	1452	7.20
Janney, Semple, Hill & Co., hardware.....	1459	8.03
S. B. Loye & Sons, harness materials.....	1461	7.40
W. K. Morrison & Co., hardware.....	1467	.96
Minneapolis Photo Materials Co., photo materials.....	1468	8.82
Northrup, King & Co., garden seeds.....	1472	4.10
Noyes Bros. & Cutler, drugs.....	1473	1.03
Zimmerman Bros., photographers' supplies.....	1485	8.98
J. A. Vye, secretary, sundry disbursements.....	1487	20.44
Brooks Bros., lumber.....	1584	8.17
Janney, Semple, Hill & Co., hardware.....	1595	4.37
W. K. Morrison & Co., hardware.....	1601	2.18
Northrup, King & Co., seed corn.....	1607	2.11
Partridge Stamp Co., four sheets zinc, punched.....	1611	4.50
Swift & Co., one ton ground tankage.....	1618	18.50
J. A. Vye, secretary, sundry disbursements.....	1624	14.85
J. A. Vye, secretary, sundry disbursements.....	1627	8.06
Janney, Semple, Hill & Co., hardware.....	1715	12.57
The John Leslie Paper Co., paper.....	1717	1.50
Minneapolis Photo Materials Co., ortho.....	1719	9.58
Noyes Bros. & Cutler, drugs.....	1722	1.10
S. E. Olson Co., sheeting.....	1728	8.24
Plumbing & Steamfitting Supplies Co., galvanized pipe.....	1729	3.67
Schneider Bros., one psychrometer.....	1732	4.25
Coffin's Box & Lumber Co., crates.....	1874	10.35
Forman, Ford & Co., window glass.....	1787	29.88
Noyes Bros. & Cutler, drugs.....	1810	2.24
J. A. Vye, secretary, sundry disbursements.....	1816	1.63
J. A. Vye, secretary, sundry disbursements.....	1817	7.36
St. Anthony Hardware Co., hardware.....	1823	1.25
Union Railway Storage Co., cement.....	1825	.85
<b>Total</b> .....		<b>\$3,913.98</b>

Division of Animal Husbandry.

CURRENT EXPENSE.

	No. Voucher.	Amount.
Thomas Shaw, professor.....		<u>51,200.00</u>
Assistants and laborers.....		3,335.53
Students' payrolls.....		540.93
K. P. Armour, one heifer.....	6	305.00
Cosgrove Live Stock Co., one bull.....	9	215.00
Diamond Elevator & Milling Co., feed.....	11	28.75
Northrup, King & Co., seeds.....	25	27.00
Noyes Bros. & Cutler, drugs.....	28	3.43
Pillsbury-Washburn F. M. Co., feed.....	32	65.00
Joseph Tyson, six steers.....	38	343.51
Western Linseed Co., 2,000 pounds oil meal.....	40	25.60
Winston, Farrington & Co., two barrels salt.....	42	2.30
J. A. Vye, secretary, sundry disbursements.....	53	.83
Brooks Bros., lumber.....	210	2.50
Boyd Feed & Fuel Co., 22,985 pounds oats.....	212	201.12
Diamond Elevator & Milling Co., feed.....	216	276.75
B. T. Hoyt, 27,435 pounds hay.....	223	130.31
E. Lindig, 12,185 pounds hay.....	230	48.74
Pillsbury-Washburn F. M. Co., feed.....	242	63.00
Standard Oil Co., gasoline.....	250	2.50
W. W. Stivert, negatives and prints.....	251	4.19
Wm. W. Walsh, 4,405 pounds hav.....	258	26.43
Minier Bros., heifer "Mildred".....	259	355.00
J. A. Vye, secretary, sundry disbursements.....	262	3.38
Theo. Keller, 13,625 pounds hay.....	264	64.72
Henry Cardell, 17 17-24 bushels oats.....	265	8.50
Brooks Bros., shavings.....	387	1.25
Diamond Elevator Milling Co., corn.....	394	111.50
Herbert Doble, work at hog barn.....	397	8.25
Forman, Ford & Co., window glass.....	401	4.72
Peter Kordell, 83.37 bushels barley.....	407	41.19
W. K. Morrison & Co., hardware.....	416	2.13

	No. Voucher.	Amount.
W. K. Morrison & Co., hardware.....	417	5.01
Northrup, King & Co., barley.....	422	22.40
Pillsbury, Washburn F. M. Co., feed.....	429	50.60
Standard Oil Co., gasoline.....	434	4.25
R. B. Thompson, lumber.....	437	12.37
J. A. Vye, secretary, sundry disbursements.....	441	59.00
Geo. McKerrow & Sons, pure bred Oxford lamb.....	442	70.00
Theo. Keller, 4,390 pounds hay.....	443	20.85
Brooks Bros., shavings.....	575	1.25
Brooks Bros., shavings and lumber.....	576	10.39
Diamond Elevator & Milling Co., corn.....	579	23.75
Diamond Elevator & Milling Co., corn.....	580	107.70
Gruenhagen Bros., hardware.....	592	11.05
Peter Kordell, 1,925 pounds barley.....	601	20.05
Noyes Bros. & Cutler, drugs.....	613	.98
Pillsbury-Washburn F. M. Co., mill feed.....	615	64.00
Pillsbury-Washburn F. M. Co., mill feed.....	616	13.00
Standard Oil Co., gasoline.....	624	8.52
Wilson & Knowles, 2,800 pounds corn.....	630	23.00
Zimmerman Bros., chemicals.....	631	1.76
J. A. Vye, secretary, sundry disbursements.....	632	41.10
Brooks Bros., lumber.....	756	6.30
Diamond Elevator & Milling Co., corn.....	758	41.25
Gruenhagen Bros., hardware.....	764	1.37
Clem Graves, two calves, "Amos" and "Polly".....	765	150.00
Pillsbury-Washburn F. M. Co., mill feed.....	788	52.00
Standard Oil Co., gasoline.....	794	7.60
Steward & Hutcheon, one steer.....	797	80.00
W. S. Van Natta & Son, yearling steer.....	801	90.00
Webb Publishing Co., advertising.....	803	11.87
Wilson & Knowles, 3,527 pounds corn.....	804	18.05
Wisconsin Agricultural Experiment Station, one Yorkshire boar.....	805	15.00
J. A. Vye, secretary, sundry disbursements.....	809	16.24
J. H. & E. Patrick, one Lincoln ram.....	941	25.00
Brethour & Launders, one Yorkshire sow.....	946	45.00
Brooks Bros., lumber.....	947	10.25
John Cooper, one Berkshire sow.....	951	20.00
Diamond Elevator & Milling Co., 50 bushels corn.....	953	20.45
Freeman & Lanpher, one ton bran.....	961	13.00
R. Gibson, two Shropshire lambs.....	965	35.00
R. R. Howell & Co., steam generator.....	968	20.00
John Jackson & Sons, two Southdown lambs.....	970	45.00
E. V. King & Co., straw.....	971	61.06
James Leask, steer, five calves, two cows.....	973	700.00
A. G. Moore, 8,065 pounds hay.....	977	56.46
Wm. Martin, two Southdown lambs.....	978	20.00
North Oaks Farm, 428 pounds pork, two sows.....	981	21.19
Pierce Bros., corn.....	988	196.57
Pillsbury-Washburn F. M. Co., 3,000 pounds mill feed.....	989	19.50
John W. Scott, five short horn cows.....	990	225.00
Standard Oil Co., gasoline.....	992	8.11
Zimmerman Bros., chemicals.....	999	3.32
N. W. Fuel Co., coal.....	1001	75.00
J. A. Vye, secretary, sundry disbursements.....	1002	248.10
J. A. Vye, secretary, sundry disbursements.....	1003	83.79
Brooks Bros., lumber.....	1110	5.88
A. C. Binnie, two calves.....	1112	62.00
Flour City Ornamental Iron Works, three wire guards.....	1117	7.40
Freeman & Lanpher, mill feed.....	1120	64.75
E. V. King & Co., 25,049 pounds straw.....	1122	83.91
A. G. Moore, 3,030 pounds hay.....	1133	21.21
Noyes Bros. & Cutler, drugs.....	1139	.96
S. E. Olson Co., four pair blankets.....	1140	12.76
Pierce Bros., oats and corn.....	1141	421.42
St. Anthony Hardware Co., hardware.....	1143	2.70
Standard Oil Co., gasoline.....	1144	9.03
O. S. Williams, drawing garbage.....	1153	12.19
Zimmerman Bros., lantern slides, etc.....	1154	1.65
Seefor Bros., one Southdown lamb.....	1157	10.00
John Hardy, one stack straw.....	1158	60.00
John Campbell, six Shropshire lambs.....	1159	67.60
John Davidson, short horn heifer.....	1160	300.00
J. A. Vye, secretary, sundry disbursements.....	1161	34.97
Brooks Bros., lumber.....	1294	23.28
Central Avenue Feed Co., 4,417 pounds straw.....	1295	15.98
B. F. Dorey & Sons, Poland China boar.....	1299	25.00
Freeman & Lanpher, mill feed.....	1304	34.00
Janney, Semple, Hill & Co., hardware.....	1305	13.71
W. G. Johnson, work at barn.....	1306	1.30
Frank Lindig, 10,777 tons hay.....	1310	150.83
Noyes Bros. & Cutler, drugs.....	1318	1.25

	No. Voucher.	Amount.
Northern Wisconsin Live Stock Co., four cows.....	1321	201.50
Pillsbury-Washburn r. M. Co., 3,000 pounds shorts.....	1322	22.20
August Richter, 14½ tons straw.....	1326	58.00
St. Anthony Hardware Co., hardware.....	1331	2.20
Standard Oil Co., gasoline.....	1333	5.94
George Green, two Berkshire sows.....	1334	95.00
J. A. Vye, secretary, sundry disbursements.....	1335	25.40
Central Avenue Feed Co., straw.....	1444	36.24
Freeman & Lanpher, mill feed.....	1453	98.25
Janney, Semple, Hill & Co., hardware.....	1459	2.25
Northrup, King & Co., grain and grass seed.....	1472	8.38
Olof Olsen, upland hay.....	1474	44.44
Stanley R. Pierce, Angus bull calf.....	1475	25.00
Standard Oil Co., gasoline.....	1478	8.10
Winston, Farrington & Co., three barrels salt.....	1483	4.50
J. A. Vye, secretary, sundry disbursements.....	1487	17.38
Western Linseed Co., one ton oil meal.....	1489	22.00
Freeman & Lanpher, mill feed.....	1589	37.50
Janney, Semple, Hill & Co., hardware.....	1595	3.13
E. V. King & Co., 25,540 pounds straw.....	1597	89.39
Midland Linseed Oil Co., one ton oil meal.....	1604	24.00
Northrup, King & Co., seeds.....	1607	15.22
Olof Olsen, upland hay.....	1609	42.00
Pierce Bros., oats.....	1612	156.56
Standard Oil Co., gasoline.....	1615	5.78
Upton & Shadewald, 2,250 pounds straw.....	1620	7.27
J. A. Vye, secretary, sundry disbursements.....	1624	14.33
J. A. Vye, secretary, sundry disbursements.....	1627	3.57
Central Avenue Feed Co., straw and corn.....	1706	38.08
Chicago Steel Tank Co., tank.....	1707	11.25
Diamond Elevator Co., 50 bushels corn.....	1708	21.85
Freeman & Lanpher, mill feed.....	1710	75.75
Frank Lindig, bringing hogs from Hugo.....	1718	4.00
Northrup, King & Co., screenings.....	1724	102.68
Standard Oil Co., gasoline.....	1730	8.14
St. Anthony Hardware Co., hardware.....	1733	9.80
Freeman & Lanpher, mill feed.....	1786	46.00
E. V. King & Co., straw and corn.....	1790	69.54
Northrup, King & Co., screenings.....	1799	82.84
Thomas Shaw, sundry disbursements.....	1801	38.25
Brooks Bros., lumber.....	1804	4.22
Diamond Elevator & Milling Co., corn.....	1805	94.25
Janney, Semple, Hill & Co., hardware.....	1806	4.50
Midland Linseed Oil Co., oil meal.....	1809	33.00
C. E. Clarke, steers and pigs.....	1811	349.00
J. A. Vye, secretary, sundry disbursements.....	1816	7.52
J. A. Vye, secretary, sundry disbursements.....	1817	3.90
A. W. Edson, sow and litter.....	1820	38.00
B. T. Hoyt, quarantine hogs.....	1822	26.50
R. J. Kelly, six pigs.....	1826	36.00
T. C. Douglas, two wethers.....	1828	30.00
Total .....		\$13,965.96

Division of Dairy Husbandry.

CURRENT EXPENSE.

	No. Voucher.	Amount.
Theo. L. Haecker, professor.....	...	\$1,300.00

Division of Veterinary.

CURRENT EXPENSE.

	No. Voucher.	Amount.
Myron H. Reynolds, professor.....	...	\$900.00
J. A. Standen, carpenter.....	...	8.18
George Williamson, laborer.....	...	187.32
W. D. Newton, laborer.....	...	.67
Frank Jepson, laborer.....	...	1.27
E. A. Palmer, laborer.....	...	58.08
Chas. F. True, laborer.....	...	3.47
George Hartman, laborer.....	...	.75
J. A. Vye, secretary, students' payrolls.....	...	.96
J. A. Vye, secretary, sundry disbursements.....	53	.25
M. H. Reynolds, dehorning clippers.....	245	10.00

	No. Voucher.	Amount.
J. A. Vye, secretary, sundry disbursements.....	262	.15
Brooks Bros., shavings.....	387	2.50
Noyes Bros. & Cutler, drugs.....	420	17.40
Pasteur Vaccine Co., vaccine.....	427	4.50
M. H. Reynolds, sundry disbursements.....	432	9.17
Gruenhagen Bros., hardware.....	444	3.20
Theodore Anderson, 1,830 pounds hay.....	573	8.23
Theodore Anderson, 3,610 pounds hay.....	574	17.02
J. A. Vye, secretary, sundry disbursements.....	632	3.90
Theodore Anderson, 1,850 pounds hay.....	755	9.25
Brooks Bros., shavings.....	756	3.75
Pierce Bros., oats.....	787	12.34
Dr. M. C. Reynolds, sundry disbursements.....	793	14.91
Theodore Anderson, 1,942 pounds timothy.....	942	9.21
N. W. Fuel Co., coal.....	1001	75.00
Pierce Bros., oats and corn.....	1141	19.01
Theo. Anderson, 945 pounds hay.....	1155	4.73
Theo. Anderson, 2,860 pounds hay.....	1156	14.30
J. A. Vye, secretary, sundry disbursements.....	1161	1.13
H. Crawford Co., 30 book covers.....	1296	3.60
St. Anthony Hardware Co., hardware.....	1331	1.45
Theo. Anderson, 945 pounds hay.....	1441	4.73
Theo. Anderson, 925 pounds hay.....	1442	4.62
The John Leslie Paper Co., paper.....	1462	1.63
Theo. Anderson, 1,200 pounds hay.....	1484	6.00
J. A. Vye, secretary, sundry disbursements.....	1487	1.10
J. A. Vye, secretary, sundry disbursements.....	1624	.40
Theo. Anderson, 945 pounds hay.....	1625	4.73
Theo. Anderson, 929 pounds hay.....	1626	4.62
Brooks Bros., shavings.....	1705	1.25
John Leinen, 745 pounds oats.....	1716	7.45
Noyes Bros. & Cutler, drugs.....	1722	3.00
St. Anthony Hardware Co., cotton hose.....	1733	3.13
Noyes Bros. & Cutler, drugs.....	1810	29.11
J. A. Vye, secretary, sundry disbursements.....	1816	1.25
Total .....		<u>\$1,478.72</u>

## CURRENT EXPENSE.

GENERAL STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE  
FISCAL YEAR ENDING JULY 31, 1902.

## RECEIPTS.

Balance on hand Aug. 1, 1901.....		\$30,540.37
From Grants Made by the United States Government— Approved March 2, 1861, and July 2, 1862, being interest on bonds of various states in which the resulting funds are invested .....	\$53,613.50	
United States treasurer, Hatch Fund.....	15,000.00	
United States treasurer, Morrill Fund.....	25,000.00	
	<u>93,613.50</u>	\$93,613.50
From the State Treasurer— 23-100 mill revenue tax.....	\$149,030.69	
Deficiency appropriation .....	35,000.00	
	<u>184,030.69</u>	184,030.69
From the University—deposits made by the accountant.....		<u>131,732.66</u>
		<u>\$439,917.22</u>

## DISBURSEMENTS.

By salaries and bills paid, as per detailed statement.....	<u>\$419,744.97</u>
True balance in treasury July 31, 1902.....	\$20,172.25
Add June and July bills paid in August.....	4,118.90
Auditor's balance .....	<u>\$24,291.15</u>

**DETAILED STATEMENT OF RECEIPTS FOR THE FISCAL YEAR END-  
ING JULY 31, 1902.**

**CURRENT EXPENSE RECEIPTS.**

Balance on hand Aug. 1, 1901.....		\$30,540.37
From United States Appropriations—		
Income from permanent productive fund:		
Interest on land contracts .....	\$20,066.18	
Interest on Alabama bonds .....	2,140.00	
Interest on Delaware bonds .....	3,930.00	
Interest on Massachusetts bonds .....	4,200.00	
Interest on Tennessee bonds .....	1,800.00	
Interest on Minnesota bonds .....	8,540.00	
Interest on Virginia bonds .....	10,650.00	
Interest on village bonds .....	1,681.16	
Interest on bank deposits .....	606.16	
Total interest .....	\$53,613.50	
From U. S. treasurer for Experiment Station (Hatch)....	15,000.00	
From U. S. treasurer for Agricultural College (Morrill)...	25,000.00	
		93,613.50
From State Appropriations—		
State treasurer, 23-100 mill revenue tax.....	\$149,030.69	
State treasurer, deficiency appropriation.....	35,000.00	
		184,030.69
From the University—		
Students' fees, farm sales and other sources:		
Students' fees, etc.....	\$104,000.00	
Experiment Station, sale of farm products .....	11,157.99	
School of Agriculture, students' fees and sales.....	8,179.42	
Minnetonka Fruit Farm, sale of lots.....	2,088.36	
Dental Infirmary receipts.....	5,130.00	
Miscellaneous items as follows:		
Telephone messages .....	\$18.55	
Material sold .....	191.65	
Refund of salaries.....	214.79	
Rent of Elmquist lot.....	24.00	
Refund on paid bills.....	97.96	
Duties refunded by United States government.....	278.45	
Locker fund .....	280.75	
Work done for outside parties.....	33.39	
Rent of armory.....	20.00	
Miscellaneous .....	17.35	
		131,732.66
<b>Total .....</b>		<b>\$439,917.22</b>

**CURRENT EXPENSE.**

**SUMMARY OF EXPENSE BY DEPARTMENTS, 1901-1902.**

	Salaries.	Bills.
General University .....	\$27,337.83	\$29,983.72
Botany .....	\$4,782.50	5,837.82
Biology .....	5,200.00	1,680.30
Chemistry .....	9,165.00	4,374.77
Physics .....	5,945.00	600.51
Languages .....	23,385.00	40.75
English .....	8,973.00	172.45
Mathematics .....	4,700.00	.40
Astronomy .....	1,900.00	9.80
Political Science .....	6,600.00	232.60
Geology .....	3,400.00	784.69
Philosophy .....	5,805.00	49.97
History .....	6,100.00	.....
Rhetoric .....	3,800.00	867.78
Pedagogy .....	2,750.00	125.58
Physical Science .....	3,767.50	600.47
Military Science .....	1,132.50	158.60
General Science, Literature and Art.....	2,647.87	536.42
<b>Totals .....</b>	<b>\$100,053.37</b>	<b>\$16,163.21</b>

Electrical Engineering .....	\$1,266.83	\$999.35
Mechanical Engineering .....	9,164.84	3,500.70
Civil Engineering .....	3,750.00	1,411.93
Drawing .....	4,400.00	202.50
General Engineering .....	5,892.34	6.53
Totals .....	\$24,474.01	\$6,121.01
School of Mines.....	\$5,160.00	\$3,117.74
College of Law.....	\$16,927.50	\$3,598.06
Anatomy .....	\$3,550.00	\$2,511.32
Bacteriology .....	4,911.92	2,986.86
Chemistry .....	4,250.00	1,149.75
Physiology .....	4,375.04	2,976.12
Histology .....	5,516.11	3,268.26
General Medicine and Surgery.....	9,540.37	3,787.19
Totals .....	\$32,143.44	\$16,679.50
Homeopathy .....	\$1,800.00	\$478.83
Dentistry .....	10,650.00	3,370.83
Pharmacy .....	3,912.50	1,197.03
Total University .....	\$222,458.65	\$80,709.93
General Station .....	\$8,355.00	\$6,507.02
Agriculture .....	9,710.96	5,894.70
Chemistry .....	2,189.88	923.27
Entomology .....	208.08	50.84
Horticulture .....	3,085.43	878.95
Animal Husbandry .....	5,133.01	9,987.20
Dairy Husbandry .....	1,200.00	.....
Veterinary .....	1,489.74	463.25
Totals .....	\$31,372.10	\$24,705.23
The School of Agriculture.....	\$22,639.45	\$8,316.97
Agriculture .....	1,796.04	4.74
Chemistry .....	2,063.07	760.99
Entomology .....	200.00	.....
Horticulture .....	3,699.06	1,168.92
Animal Husbandry .....	800.00	109.71
Dairy Husbandry .....	6,800.87	6,571.93
Veterinary .....	1,394.10	651.80
Totals .....	\$39,392.59	\$17,585.11
Total Station and School.....	\$70,764.69	\$42,290.34
Grand total .....	\$293,223.34	\$123,000.27
Total current expense.....		\$416,223.61

DISBURSEMENTS FOR THE YEAR ENDING JULY 31, 1902, BY EXPENSE  
LISTS.

Receipts brought forward.....		\$439,917.22
August—University payroll .....	\$3,157.50	
Farm payroll .....	4,876.16	
University bills .....	5,000.55	
Farm bills .....	3,169.51	
September—University payroll .....	20,345.71	
Farm payroll .....	4,963.01	
University bills .....	7,379.66	
Farm bills .....	4,211.16	
October—University payroll .....	20,946.12	
Farm payroll .....	6,520.69	
University bills .....	11,029.59	
Farm bills .....	4,750.70	
November—University payroll .....	21,181.50	
Farm payroll .....	6,726.15	
University bills .....	9,081.57	
Farm bills .....	4,886.21	
December—University payroll .....	21,754.62	

Farm payroll .....	6,228.45
University bills .....	6,414.22
Farm bills .....	3,178.05
January—University payroll .....	21,478.15
Farm payroll .....	7,394.38
University bills .....	7,428.24
Farm bills .....	4,183.95
February—University payroll .....	21,594.17
Farm payroll .....	6,614.31
University bills .....	6,920.31
Farm bills .....	4,984.00
March—University payroll .....	21,721.17
Farm payroll .....	6,580.15
University bills .....	9,005.65
Farm bills .....	3,711.28
April—University payroll .....	21,813.67
Farm payroll .....	5,249.91
University bills .....	8,310.10
Farm bills .....	2,186.29
May—University payroll .....	22,168.65
Farm payroll .....	4,864.48
University bills .....	7,143.66
Farm bills .....	4,007.21
June—University payroll .....	20,639.34
Farm payroll .....	5,272.05
University bills .....	4,055.46
Farm bills .....	1,678.26 <sup>Y</sup>
July—University payroll .....	3,503.05
Farm payroll .....	5,474.95
University bills .....	1,095.92 <sup>Y</sup>
Farm bills .....	1,344.72 <sup>Y</sup>
Total university payroll.....	\$220,303.65
Total farm payroll.....	70,764.69
Total university bills.....	82,864.93
Total farm bills.....	42,290.34
Grand total .....	\$416,223.61

## ITEMS PAID BY STATE AUDITOR.

Interest on Virginia bonds.....	\$184.55
Fees to county treasurers.....	121.04
Fees to county treasurers.....	215.77
Revolving fund .....	3,000.00
	<u>419,744.37</u>
True balance .....	\$20,172.25
Add June and July bills paid in August.....	4,118.90
Auditor's balance .....	<u>\$24,291.15</u>

## CURRENT EXPENSE.

## STATEMENT OF RECEIPTS AND DISBURSEMENTS, BY COLLEGES, FOR THE YEAR ENDING JULY 31, 1902.

	Receipts.	Disbursements.
General University .....	\$2,927.15	\$57,321.55
College of Science, Literature and the Arts.....	25,819.75	116,216.58
College of Engineering.....	7,921.50	30,595.02
College of Law.....	23,687.35	20,525.56
School of Mines.....	2,785.50	8,277.74
College of Medicine and Surgery.....	31,184.48	48,822.94
College of Homeopathic Medicine and Surgery.....	1,501.83	2,278.83
College of Dentistry.....	13,785.69	14,020.83
College of Pharmacy.....	2,782.00	5,109.53
The School of Agriculture.....	8,179.42	56,977.70
The Experiment Station.....	11,157.99	56,077.33
Totals .....	<u>\$131,732.86</u>	<u>\$416,223.61</u>

## TWELFTH BIENNIAL REPORT

## CURRENT EXPENSE.

## DISTRIBUTION OF ACCOUNTS.

	University.	Farm.
1. Salaries of officers.....	\$189,065.33	\$40,512.00
2. Wages of employes.....	31,208.32	30,252.69
3. Fuel and lights.....	16,351.85	7,218.69
4. Freight and express.....	1,256.12	1,393.12
5. Postage.....	1,443.79	807.98
6. Library.....	5,831.47	1,281.06
7. Stationery and printing.....	3,890.04	3,309.87
8. Furniture and fixtures.....	2,831.21	646.94
9. Scientific apparatus and instruments.....	5,536.69	529.40
10. Building.....		1.50
11. Equipment of building.....	1,287.35	7.01
12. Live stock.....		4,151.44
13. Tools, implements and machinery.....	1,537.20	935.34
14. Feed.....	299.66	9,259.94
15. Seeds and plants.....	30.98	1,432.06
16. Supplies for instruction and illustration.....	18,727.82	2,706.48
17. Repairs.....	1,089.80	1,199.04
18. Traveling expenses.....	1,277.14	627.61
19. Petty supplies.....	5,365.26	3,074.61
20. Museum.....		19.50
21. Taxes, rents, ads.....	3,820.79	1,306.05
22. Publications.....	1,357.81	287.77
23. Contingent expenses.....	417.56	664.87
24. Labor bills.....	10,512.39	1,430.06
	\$82,864.93	\$42,290.34

## THE TWO STATEMENTS ABOVE COMBINED.

1. Salaries of officers.....	\$229,607.33	
2. Wages of employes.....	61,461.01	\$291,068.34
3. Fuel and lights.....	\$23,570.54	
4. Freight and express.....	2,649.24	
5. Postage.....	2,251.77	
6. Library.....	7,112.53	
7. Stationery and printing.....	7,199.91	
8. Furniture and fixtures.....	3,478.15	
9. Scientific apparatus and instruments.....	6,066.09	
10. Building.....	1.50	
11. Equipment of building.....	1,294.36	
12. Live stock.....	4,151.44	
13. Tools, implements and machinery.....	2,472.54	
14. Feed.....	9,559.60	
15. Seeds and plants.....	1,463.04	
16. Supplies for instruction and illustration.....	21,434.30	
17. Repairs.....	2,288.84	
18. Traveling expenses.....	1,904.75	
19. Petty supplies.....	8,439.87	
20. Museum.....	19.50	
21. Taxes, rents, ads.....	5,126.84	
22. Publications.....	1,645.58	
23. Contingent expenses.....	1,082.43	
24. Labor bills.....	11,942.45	
		125,155.27
Total current expense.....		\$416,223.61



## FINANCIAL STATEMENT.

## DETAILED STATEMENT OF DISBURSEMENTS—1901-1902.

## GENERAL UNIVERSITY.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Cyrus Northrop, president.....		\$7,500.00
William W. Folwell, librarian.....		500.00
St. Anthony Falls Bank, treasurer.....		250.00
Stephen Mahoney, secretary.....		300.00
E. Bird Johnson, registrar.....		1,400.04
Daniel W. Sprague, accountant.....		1,500.00
Lettie M. Crafts, assistant librarian.....		1,075.00
Ina Firkins, first library assistant.....		700.00
Anna L. Guthrie, second library assistant.....		698.75
Haydn S. Cole, military instructor.....		300.00
Burt Rose, bandmaster.....		315.00
Ella A. Whitney, stenographer.....		650.00
Mary McNevin, telephone operator.....		25.00
Allan W. Guild, superintendent buildings.....		900.00
E. J. Hempel, carpenter.....		800.00
Thomas Hickey, plumber.....		800.00
Elizabeth M. Hawley, typewriter.....		400.00
L. May Brooks, clerk.....		250.00
Eva Carris, telephone operator.....		275.00
Lyman J. Howes, assistant.....		100.00
W. H. Doty, engineer.....		514.04
Henry P. Johnson, engineer.....		550.00
Albert Munson, fireman.....		557.38
Ernest Dygert, fireman.....		680.00
Walter Daly, janitor.....		450.00
Oscar Munson, janitor.....		540.00
Thomas J. Lewcock, watchman.....		339.00
Frank Olson, teamster.....		540.00
Annie Peterson, scrub woman.....		285.00
Bertha Mayer, scrub woman.....		300.00
George N. Wilkinson, fireman.....		56.45
A. W. Demars, fireman.....		566.50
Christopher Holm, fireman.....		406.41
W. Boyson, fireman.....		200.00
Oscar Fryckman, fireman.....		356.45
R. C. Wedge, assistant.....		180.00
John Kelly, shoveler.....		157.77
Charles Lindsey, shoveler.....		93.55
A. C. Bonham, shoveler.....		98.66
Michael Ryan, janitor.....		135.00
Frank Sherman, janitor.....		60.00
Scrub women.....		1,572.83
The N. W. Telephone Exchange Co., service for August.....	5	59.75
American Soap & Chemical Co., soap.....	6	33.60
Minnesota Electric Co., motor.....	7	13.60
City of Minneapolis Water Works Department, water tax.....	8	437.71
Indian Medical Spring Water Co., medical water.....	9	32.24
Fred J. Scott, envelopes.....	10	5.00
Pioneer Fuel Co., coal.....	11	24.49
W. M. Simms, hardware.....	12	9.85
The Minneapolis General Electric Co., electric lighting.....	13	8.87
The University Press, stationery.....	14	36.85

	No. Voucher.	Amount.
Minneapolis Gas Light Co., gas.....	15	61.68
Fred J. Scott, postals.....	16	7.00
Minneapolis Office & School Furniture Co., desk.....	20	7.75
W. K. Morrison & Co., hardware.....	29	5.60
Fred J. Scott, insurance policy slips.....	40	17.00
Y. M. C. A. of U. of Minn., advertising.....	46	10.00
Minneapolis Pharmacy Co., drugs.....	50	3.00
Petty bills, miscellaneous supplies.....	58	6.41
Fred J. Scott, printing.....	61	18.75
The John Leslie Paper Co., paper.....	63	53.75
W. K. Morrison & Co., hardware.....	64	14.64
The Plumbing & Steamfitting Supplies Co., black pipe.....	65	66.42
Indian Medical Springs Water Co., medical water.....	68	12.45
The University Press, stationery.....	69	22.25
The University Press, stationery.....	70	121.60
W. S. Nott Co., packing.....	77	4.50
W. M. Simms, hardware.....	93	5.28
E. P. Leland, salary register.....	96	6.50
Glessner & Washburn, upholstering.....	97	9.25
Edwin R. Williams, draughting supplies.....	98	9.20
The Minneapolis General Electric Co., electric lighting.....	99	11.73
Minneapolis Gas Light Co., gas.....	101	.60
The N. W. Telephone Exchange Co., service for September.....	104	56.90
D. W. Sprague, accountant, freight, express, postage and extra help.....	109	571.17
The Pioneer Fuel Co., coal.....	168	321.02
Ina Firkins, extra work pedagogical library.....	169	27.50
Harrison & Smith Co., register and index.....	170	16.60
The John Leslie Paper Co., paper.....	171	7.00
H. L. Swain & Co., coal and wood.....	172	12.25
A. W. Campbell, double rigs.....	173	6.00
Heywood Manufacturing Co., envelopes.....	174	13.77
R. Alexander, oak rail.....	175	9.65
Pioneer Press Co., teachers' records.....	176	34.30
J. A. Fillman, decorating Library Building.....	177	28.00
Aug. Sandberg, covering pipes in heating plant.....	178	150.00
The American Desk Co., roll top desk.....	179	22.50
John A. Schlener & Co., stationery.....	180	22.05
The Mendenhall Greenhouses, rent of 30 palms.....	181	10.00
The University Press, stationery.....	182	49.37
N. W. Compo Board Co., blackboards.....	183	38.24
Fred J. Scott, book and jackets.....	184	12.75
Gas Saving Co., rent of regulators.....	185	12.00
M. Whitcomb & Co., feed.....	186	14.11
W. K. Morrison & Co., hardware.....	187	32.94
Minnesota Brush Co., brooms.....	188	26.50
R. B. Thompson, lumber.....	189	24.06
Lyman-Ellel Drug Co., drugs.....	194	2.25
Minneapolis Gas Light Co., gas.....	195	2.76
The University Book Store, stationery.....	200	6.75
The Minneapolis General Electric Co., electric lighting.....	211	71.72
American Soap & Chemical Co., soap.....	213	30.80
A. F. Storey, attorney, services, drawing affidavit.....	214	10.00
Metropolitan Music Co., rent of piano for chapel.....	216	8.00
Fred J. Scott, stationery.....	217	31.25
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	218	65.44
Indian Medical Spring Water Co., medical water.....	219	26.55
Fairbanks, Morse & Co., repairs on hay scale.....	223	32.95
W. S. Nott Co., packing.....	240	8.35
W. M. Simms, hardware.....	259	4.05
Lucas Bros., iron boxes.....	260	6.50
The N. W. Telephone Exchange Co., service for October.....	264	59.20
Petty bills, miscellaneous supplies.....	265	10.52
D. W. Sprague, accountant, freight, express, postage and extra help.....	266	472.77
Fred J. Scott, envelopes and postals.....	267	30.00
Pioneer Fuel Co., coal.....	334	2,945.02
Elmer E. Adams, attending regents' meeting.....	336	15.66
Armstrong Transfer & Storage Co., three trips to St. Paul.....	337	21.00
Ozonet Co., ozonet.....	338	25.00
Gas Saving Co., rent of regulators.....	339	12.00
R. B. Thompson, lumber.....	340	77.89
Graham Paper Co., paper.....	341	142.50
Plumbing & Steamfitting Supplies Co., pipes, etc.....	342	27.76
Miller-Davis Printing Co., minutes regents' meeting.....	343	15.00
H. L. Swain & Co., coal and wood.....	344	8.80
M. Whitcomb & Co., feed.....	345	16.74

	No. Voucher.	Amount.
Harrison & Smith Co., library slips.....	346	7.25
M. Whitcomb & Co., oats.....	347	28.73
John N. Sayer, harness supplies.....	348	18.20
Enterprise Machine Co., work on engine.....	349	5.90
City of Minneapolis water Works Department, water tax.....	350	550.53
Geo. R. Newell & Co., groceries.....	351	12.60
Indian Medical Spring Water Co., medical water.....	352	42.93
American Soap & Chemical Co., soap.....	353	32.90
Minneapolis Gas Light Co., gas.....	354	3.84
The Plumbing & Steamfitting Supplies Co., plumbing materials.....	355	155.17
The Minneapolis General Electric Co., electric lighting.....	358	182.20
W. M. Simms, hardware.....	369	10.70
Electrical Engineering Co., electrical supplies.....	376	21.06
W. K. Morrison & Co., hardware.....	377	30.17
Edwin R. Williams, draughting supplies.....	390	3.15
W. S. Nott Co., pulleys, etc.....	393	20.36
The University Press, stationery.....	401	129.11
Minneapolis Stamp & Stencil Co., rubber stamps.....	418	34.05
Boutell Bros., chairs.....	439	42.00
John A. Schlener & Co., stationery.....	447	23.75
Cyrus Northrop, expenses to and from Washington.....	448	75.00
Petty bills, miscellaneous supplies.....	449	6.80
D. W. Sprague, accountant, freight, express, postage and extra help.....	450	399.32
The Minnesota Magazine, advertising.....	452	25.00
The N. W. Telephone Exchange Co., service for November.....	453	63.95
Fred J. Scott, printing.....	335	67.50
The Pioneer Fuel Co., coal.....	538	2,967.30
The University Press, stationery.....	544	51.19
Incandescent Gas Light Co., gas fixtures.....	551	8.50
A. E. Rice, expenses regents' meeting.....	558	20.00
John A. Schlener & Co., stationery.....	561	26.35
Fred J. Scott, printing.....	562	1.50
Electrical Engineering Co., electrical supplies.....	564	3.54
W. M. Simms, hardware.....	565	1.48
McClellan Paper Co., paper.....	566	10.05
Gas Saving Co., rent of regulators.....	567	12.00
N. W. Star Oil Co., oil.....	569	17.10
The Perfection Steam Clamp Manufacturer, clamps.....	570	13.90
W. K. Morrison & Co., hardware.....	575	35.28
M. Whitcomb & Co., feed.....	576	58.67
Minneapolis Office & School Furniture Co., tables.....	578	18.00
Indian Medical Spring Water Co., medical water.....	581	27.35
Lyman-Elie! Drug Co., drugs.....	584	8.00
Minneapolis Gas Light Co., gas.....	588	15.24
Simonson Bros. Manufacturing Co., sash.....	594	11.00
W. B. McPherson, work.....	604	16.25
Standard Oil Co., oil.....	608	5.10
American Soap & Chemical Co., soap.....	609	35.00
Glessner & Washburn, leather cushions.....	610	4.00
The Interstate Clipping Bureau, 351 clippings.....	612	17.55
The Minneapolis General Electric Co., electric lighting.....	615	186.00
The N. W. Telephone Exchange Co., service for December.....	617	61.75
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	618	65.48
U. S. Envelope Co., envelopes.....	620	27.58
Twin City School Supply Co., crayons and erasers.....	621	19.95
J. A. Fillmore, decoration of Library Building.....	622	25.00
C. A. Erickson, cistern.....	623	160.00
Metropolitan Music Co., rent piano for chapel.....	625	8.00
Fred J. Scott, stationery.....	627	4.00
C. A. Erickson, furnace, etc.....	629	55.00
The University Book Store, stationery.....	630	.20
D. W. Sprague, accountant, freight, express, postage and extra help.....	631	479.79
The John Leslie Paper Co., paper.....	637	50.06
Petty bills, miscellaneous supplies.....	641	6.00
Minneapolis Office & School Furniture Co., pigeonhole box.....	639	5.50
The Pioneer Fuel Co., coal.....	698	2,105.60
East Side Ice Market, ice.....	699	333.01
Minneapolis Gas Light Co., gas.....	700	19.20
W. K. Morrison & Co., hardware.....	701	40.45
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	702	43.64
The Great Western Printing Co., stationery.....	703	82.25
The John Leslie Paper Co., paper.....	704	.65
Heywood Manufacturing Co., envelopes.....	705	9.60
World's Fair Shoeing Shop, horse shoeing.....	706	50.05
M. Whitcomb & Co., feed.....	707	30.07

	No. Voucher.	Amount.
Gas Saving Co., rent of regulators.....	708	12.00
N. E. Furniture & Carpet Co., matting.....	709	57.75
Miller-Davis Printing Co., printing.....	710	25.25
Enterprise Machine Co., forging.....	711	5.65
Indian Medical Spring Water Co., medical water.....	712	31.35
John A. Schlener & Co., labels.....	713	11.93
The Minneapolis General Electric Co., electric lighting.....	714	.....
W. M. Simms, hardware.....	741	1.74
The University Press, printing.....	760	49.55
The Minneapolis General Electric Co., electric lighting.....	766	159.09
D. W. Sprague, accountant, freight, express, postage and extra help.....	768	308.68
Petty bills, miscellaneous supplies.....	769	15.47
The Pioneer Fuel Co., coal.....	827	541.29
Menzel & Jeffery, four tupper bars.....	828	11.61
Fred J. Scott, printing.....	829	8.00
Minneapolis Gas Light Co., gas.....	830	16.44
Gas Saving Co., rent of regulators.....	831	12.00
Miller-Davis Printing Co., stationery.....	832	27.00
The John Leslie Paper Co., paper.....	833	61.75
M. Whitcomb & Co., feed.....	834	32.34
Fred J. Scott, printing.....	836	40.00
The Minnesota Daily, advertising and 100 dailies one year.....	837	200.00
Cootey Lithograph & Printing Co., blank books.....	838	27.50
Minneapolis Gas Light Co., one arc.....	839	12.00
Great Western Printing Co., stationery.....	840	119.02
Indian Medical Spring Water Co., medical water.....	841	42.25
Glessner & Washburn, linoleum.....	842	11.70
W. S. Nott Co., rubber pump valves, etc.....	843	12.49
The University Press, stationery.....	844	59.60
Elmer E. Adams, attending regents' meeting.....	850	15.16
R. S. Goodfellow & Co., felt.....	851	6.25
John A. Schlener & Co., stationery.....	857	14.19
W. M. Simms, hardware.....	869	2.62
Edwin R. Williams, draughting supplies.....	880	1.35
W. K. Morrison & Co., hardware.....	886	34.14
The Munson Stationery Co., stationery.....	888	1.00
Noyes Bros. & Cutler, drugs.....	.....	.....
The Minneapolis General Electric Co., electric lighting.....	907	109.47
American Linen Supply Co., linen.....	910	62.81
Petty bills, miscellaneous supplies.....	917	15.05
D. W. Sprague, accountant, freight, express, postage and extra help.....	918	548.60
The N. W. Telephone Exchange Co., service January and February.....	919	132.60
City of Minneapolis Water Works Department, water rent.....	996	540.33
Indian Medical Spring Water Co., medical water.....	997	36.90
N. W. Star Oil Co., oil.....	998	10.55
Great Western Printing Co., stationery.....	999	51.15
Minneapolis Gas Light Co., extension of service.....	1000	22.00
J. N. Sayer, horse furnishings.....	1001	5.25
American Soap & Chemical Co., soap.....	1002	35.00
Wagner & Nelson, painting.....	1003	44.92
Wagner & Nelson, graining.....	1004	6.75
R. E. Thompson, lumber.....	1005	6.85
W. M. Simms, hardware.....	1007	11.08
The Minneapolis General Electric Co., globes.....	1016	6.00
Electric Engineering Co., lamps, etc.....	1017	29.00
The University Book Store, stationery.....	1032	8.60
W. K. Morrison & Co., hardware.....	1047	4.50
Twin City School Supply Co., crayons.....	1051	4.20
The Pioneer Fuel Co., coal.....	1053	313.00
Fred J. Scott, printing.....	1056	16.75
Gas Saving Co., rent of regulators.....	1058	12.00
The John Leslie Paper Co., paper.....	1061	13.80
The University Press, stationery.....	1066	85.35
Minneapolis Gas Light Co., gas.....	1091	24.84
N. W. Telephone Exchange Co., service for March.....	1092	65.00
Petty bills, miscellaneous supplies.....	1094	14.31
D. W. Sprague, accountant, freight, express, postage and extra help.....	1095	253.84
American Linen Supply Co., linen.....	1096	132.66
The Minneapolis General Electric Co., electric lighting.....	1097	117.33
The Pioneer Fuel Co., coal.....	1172	1,154.51
Metropolitan Music Co., rent Grand piano.....	1174	40.00
Minneapolis Gas Light Co., gas.....	1175	35.04
The University Press, stationery.....	1176	57.68

	No. Voucher.	Amount.
Fred J. Scott, printing.....	1177	9.75
The John Leslie Paper Co., paper.....	1179	325.50
A. F. Storey, expense on protest.....	1180	5.20
The Great Western Printing Co., stationery.....	1181	60.25
Gas Saving Co., rent of regulators.....	1182	12.00
Graham Paper Co., paper.....	1183	85.50
Cootey Lithograph & Printing Co., stationery.....	1184	14.00
Indian Medical Spring Water Co., medical water.....	1185	13.20
W. K. Morrison & Co., hardware.....	1190	27.98
A. J. Kreger, repairing burners.....	1194	15.02
Glessner & Washburn, chair.....	1200	4.00
Electrical Engineering Co., switch.....	1201	1.10
W. M. Simms, hardware.....	1203	9.18
Minnesota Brush Co., mop heads, dusters and brooms.....	1215	38.03
The N. W. Telephone Exchange Co., service for April.....	1226	61.30
The Minneapolis General Electric Co., electric lighting.....	1257	101.01
Petty bills, miscellaneous supplies.....	1282	13.90
D. W. Sprague, accountant, freight, express, postage and extra help.....	1283	361.14
The Pioneer Fuel Co., coal.....	1353	1,146.98
Minneapolis Gas Light Co., gas.....	1354	24.72
Fred J. Scott, printing.....	1355	8.50
Brandow Printing Co., printing.....	1356	19.30
M. Whitcomb & Co., feed, fl.....	1357	24.68
Currier & Ballentine, printing.....	1358	7.50
Elmer E. Adams, expenses regents' meeting.....	1359	15.62
The John Leslie Paper Co., paper.....	1360	111.59
C. W. Menelly, soap.....	1363	8.40
Indian Medical Spring Water Co., medical water.....	1364	36.60
W. M. Simms, hardware.....	1365	6.07
Gas Saving Co., rent of regulators.....	1366	12.00
W. S. Nott Co., boiler compound.....	1367	40.00
Twin City School Supply Co., erasers.....	1368	4.95
John A. Schlener & Co., stationery.....	1369	4.65
W. K. Morrison & Co., hardware.....	1394	2.66
The University Book Store, stationery.....	1441	4.46
The Munson Stationery Co., record ribbons.....	1447	5.30
W. K. Morrison & Co., hardware.....	1460	9.25
American Soap & Chemical Co., soap.....	1471	35.70
Fred J. Scott, printing.....	1473	5.50
The 1903 Gopher, advertising.....	1480	25.00
Petty bills, miscellaneous supplies.....	1507	7.93
American Linen Supply Co., linen.....	1508	6.40
American Linen Supply Co., linen.....	1509	5.43
Standard Scrubbing Machine Co., one machine.....	1510	75.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	1511	621.74
The Pioneer Fuel Co., coal.....	1590	251.41
W. K. Morrison & Co., hardware.....	1561	48.85
N. W. Telephone Exchange Co., service for May.....	1562	136.15
Minneapolis Gas Light Co., gas.....	1563	19.56
Carl Schlenker, playing piano one year.....	1564	75.00
Burt A. Rose, band services for commencement.....	1565	75.00
J. Gillesby, teaming on campus.....	1566	11.38
American Linen Supply Co., linen.....	1568	42.02
The John Leslie Paper Co., paper.....	1569	22.00
Gas Saving Co., rent of regulators.....	1570	12.00
Indian Medical Spring Water Co., medical water.....	1571	56.35
The University Press, printing.....	1572	31.50
Brown, Treacy & Sperry Co., printing.....	1573	44.00
Edwin R. Williams, draughting supplies.....	1590	4.50
R. B. Thompson, lumber.....	1601	3.52
American Soap & Chemical Co., soap.....	1625	61.50
Cootey Lithograph & Printing Co., check book.....	1628	12.00
Engineers' Society, U. of M., advertising.....	1640	10.90
Elmer E. Adams, expenses, regents' meeting.....	1643	15.62
The Minneapolis General Electric Co., electric lighting.....	1653	149.67
Petty bills, miscellaneous supplies.....	1654	11.10
Smith & Wilson, premium accountant's bond.....	1655	87.50
D. W. Sprague, accountant, freight, express, postage and extra help.....	1660	519.82
The Minneapolis General Electric Co., electric lighting.....	1670	34.66
The Minneapolis General Electric Co., outer arc globes, armory.....	1671	5.00
N. W. Telephone Exchange Co., service for July.....	1672	62.25
Lyman-Ellel Drug Co., drugs.....	1730	3.60
Fred J. Scott, printing.....	1731	22.00
Currier & Ballentine, printing.....	1732	7.00
Indian Medical Spring Water Co., medical water.....	1733	9.46

	No. Voucher.	Amount.
Wm. Simms, hardware.....	1735	52.18
M. Whitcomb & Co., feed.....	1738	12.86
Thos. S. Lynes, armory decoration.....	1739	16.00
John A. Schlener & Co., stationery.....	1740	21.87
American Soap & Chemical Co., soap.....	1741	59.70
Armour & Co., soap.....	1742	20.03
Continental Brush Co., brushes.....	1743	6.00
Minnesota Alumni Weekly, 550 copies.....	1744	33.00
W. S. Nott Co., Diamond hose.....	1749	21.00
C. W. Mençilly, groceries.....	1757	4.15
Boutell Bros., rug.....	1764	25.00
American Linen Supply Co., linen.....	1773	14.25
Northrup, King & Co., grass seeds.....	1778	6.00
Minneapolis Gas Light Co., gas.....	1781	10.92
Fred J. Scott, printing.....	1783	6.50
The Great Western Printing Co., 1,500 catalogues, etc.....	1784	1,116.54
City of Minneapolis Water Works Department, water.....	1795	354.33
D. W. Sprague, accountant, freight, express, postage and extra help.....	1796	379.68
Fred J. Scott, printing.....	1830	13.00
Heywood Manufacturing Co., envelopes.....	1831	22.80
The Munson Stationery Co., book holders.....	1832	6.15
John A. Schlener & Co., stationery.....	1833	6.90
American Linen Supply Co., linen.....	1838	18.58
Minneapolis Gas Light Co., gas.....	1842	3.96
Petty bills, miscellaneous supplies.....	1850	8.87
D. W. Sprague, accountant, freight, express, postage and extra help.....	1851	360.80
Total.....		\$57,321.55

### THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Jabez Brooks, senior professor of Greek Language and Literature.....		\$2,000.00
John F. Downey, professor of Mathematics.....		2,400.00
John G. Moore, professor of German Language and Literature.....		2,400.00
Christopher W. Hall, professor of Geology and Mineralogy.....		2,000.00
Charles W. Benton, professor of French Language and Literature.....		2,400.00
David L. Kiehle, professor of Pedagogy.....		2,400.00
John S. Clark, professor of Latin Language and Literature.....		2,000.00
J. Corrin Hutchinson, professor of Greek Language and Literature.....		2,250.00
Conway MacMillan, professor of Botany.....		1,800.00
Henry F. Nachtrieb, professor of Animal Biology.....		2,000.00
Maria L. Sanford, professor of Rhetoric and Elocution.....		1,800.00
Willis M. West, professor of History.....		2,400.00
Frederick J. B. Woodbridge, professor of Philosophy.....		2,400.00
Samuel G. Smith, professor of Sociology.....		1,200.00
Francis P. Leavenworth, professor of Astronomy and Director of Observatory.....		1,800.00
John S. Carlson, professor of Scandinavian Language and Literature.....		1,900.00
Joseph B. Pike, professor of Latin.....		1,800.00
Frank L. McVey, professor of Private Economics.....		1,800.00
Charles P. Sigerfoos, professor of Zoölogy.....		1,850.00
Charles F. Sidener, assistant professor of Chemistry.....		1,800.00
Charles F. McClumpha, assistant professor of English Language and Literature.....		1,500.00
E. Eugene McDermott, assistant professor of Rhetoric and Elocution.....		1,200.00
Matilda J. C. Wilkin, assistant professor of German.....		1,200.00
Frank M. Anderson, assistant professor of History.....		1,500.00
Edward E. Nicholson, assistant professor of Chemistry.....		1,500.00
John Zeleny, associate professor of Physics.....		1,500.00
Norman Wilde, assistant professor of Philosophy.....		1,500.00
Albert B. White, assistant professor of History.....		1,350.00
Carl Schlenker, assistant professor of German.....		1,200.00
Frederick E. Beckman, instructor in French and Spanish.....		1,300.00
Charles P. Berkey, instructor in Mineralogy (one-half).....		650.00

	No. Voucher.	Amount.
William A. Schafer, instructor in Political Economy.....		1,200.00
Harlow S. Gale, instructor in Psychology.....		1,200.00
Everhart P. Harding, instructor in Chemistry.....		1,200.00
John E. Granrud, instructor in Latin.....		1,100.00
Anthony Zeleny, instructor in Physics.....		1,000.00
Gilbert Ames Bliss, instructor in Mathematics.....		1,000.00
George N. Bauer, instructor in Mathematics.....		1,000.00
Josephine E. Tilden, instructor in Cryptogamic Botany.....		1,100.00
Frances B. Tolter, instructor in English.....		1,000.00
Hope McDonald, instructor in History.....		900.00
Oscar W. Oestlund, instructor in Animal Biology.....		900.00
Charles A. Savage, instructor in Latin.....		900.00
Waldemar Schultz, instructor in German.....		900.00
Marco F. Liberna, instructor in French.....		900.00
Henry A. Erickson, instructor in Physics.....		850.00
Oscar W. Firkins.....		800.00
Frederick W. Sardeson, instructor in Paleontology.....		750.00
Harold L. Lyon, instructor in Botany.....		795.00
Otto Rosendahl, scholar in Botany.....		650.00
Levi B. Pease, instructor in Chemistry.....		600.00
Edward Sanford, instructor in Rhetoric.....		600.00
Ada L. Comstock, instructor in Rhetoric.....		600.00
David F. Swenson, assistant instructor in Philosophy.....		550.00
Claire Waters, instructor in Science.....		700.00
Mary G. Peck, instructor.....		500.00
Ernest E. Hemingway, instructor.....		450.00
O. C. Burkhardt, instructor.....		435.00
Charles J. Brand, scholar.....		187.50
Herman Schrader, scholar.....		250.00
Ethel Brill, scholar.....		200.00
Helen Camp, assistant in Pedagogy.....		200.00
Hal Downey, scholar.....		200.00
Ella Roscoe, scholar.....		250.00
Linda Maley, assistant.....		225.00
Jessie L. Schulten, assistant.....		198.00
R. C. Benner, assistant.....		120.00
Frank Grout, assistant.....		180.00
Max Lando, assistant.....		135.00
Roy Y. Ferner, assistant.....		400.00
Arne O. Aaberg, assistant.....		90.00
William W. Folwell, professor of Political Economy.....		2,400.00
Richard Burton, professor of English Language and Literature.....		2,400.00
Frederick Klaeber, professor of Comparative and English Philology.....		1,700.00
Frederick S. Jones, professor of Physics.....		2,400.00
George B. Frankforter, professor of Chemistry.....		2,400.00
Louis J. Cooke, physical director.....		1,500.00
Jennings C. Litzenberg, assistant.....		400.00
Anna Maud Butner, director.....		900.00
Marguerite Barbour, assistant.....		300.00
Alice Ray Hunt, pianist.....		150.00
A. R. Rose, instructor.....		200.00
William Methley, assistant.....		540.00
W. W. Benner, assistant.....		90.00
Carl A. Schumert, assistant.....		60.00
W. E. Bush, assistant.....		90.00
Edgar Rice, assistant.....		90.00
E. J. Gutsche, assistant.....		90.00
J. Burt Miner, scholar.....		25.00
Edwin A. Cuzner, janitor.....		900.00
Philander Folsom, janitor.....		540.00
Ephraim Hoover, janitor.....		315.00
E. W. Vaughn, janitor.....		540.00
Charles E. Daly, janitor.....		540.00
Jacob Knutson, janitor.....		540.00
Edmond S. Dowling, janitor.....		405.00
Percy D. Peabody, druggist.....		110.00
Charles D. Poore, scholar.....		40.00
Joseph Hopkins, assistant.....		30.00
F. Erkel, janitor.....		212.87
Christian Dame, instrument maker.....		195.00
J. M. Thompson, janitor.....		135.00
W. M. Simms, hardware.....	12	38.35
The Minneapolis General Electric Co., electric lighting.....	13	.96
The Minneapolis General Electric Co., electric lighting.....	17	6.34
Lyman-Eliel Drug Co., drugs.....	18	25.92
James O. Pierce, lot mineral specimens.....	33	50.00
C. W. Hall, sundry disbursements.....	34	27.68

	No. Voucher.	Amount.
Charles P. Berkey, expenses trip to Utah.....	35	99.68
R. Friedlander & Sohn, books.....	43	45.52
Librairie Scientifique, A. Hermann, books.....	44	45.00
N. W. Roofing & Cornice Works, scrap copper.....	49	15.54
The Macmillan Co., book.....	51	5.00
The Chicago Laboratory Supply & Scale Co., galvanometer.....	55	15.00
The University Book Store, stationery.....	56	3.10
Petty bills, miscellaneous supplies.....	58	7.30
C. J. Hibbard, 19 days' work.....	62	71.50
R. B. Thompson, lumber.....	67	30.00
W. H. Hubbard, services in English Department.....	71	15.00
Minneapolis Gas Light Co., gas.....	101	7.20
The Minneapolis General Electric Co., electric lighting.....	103	1.95
D. W. Sprague, accountant, freight, express, postage and extra help.....	109	26.09
R. B. Thompson, lumber.....	189	18.12
Geo. Wittbold Co., plants.....	191	5.66
Minneapolis Dry Goods Co., dry goods.....	192	39.27
McClellan Paper Co., paper.....	193	144.99
Lyman-Elie! Drug Co., drugs.....	194	35.00
Minneapolis Gas Light Co., gas.....	195	44.04
Minneapolis Office & School Furniture Co., 30 cases in sections..	196	240.00
Minneapolis Photo Materials Co., photo materials.....	197	17.41
William Donaldson & Co., fruit jars.....	198	10.26
Minneapolis Office & School Furniture Co., boxes and label holders.....	199	13.50
The University Book Store, stationery.....	200	48.60
A. M. Turnquist, negatives, mine scenes.....	201	10.00
Bausch & Lomb Optical Co., lens.....	202	8.13
The Chicago Laboratory Supply & Scale Co., six steel rules.....	203	6.20
Minneapolis Gas Light Co., mantels and chimneys.....	204	13.65
The Minneapolis General Electric Co., electric lighting.....	205	1.97
E. G. Smith, spherometers and scales.....	206	15.00
John H. Fouch, photo materials.....	207	30.45
The J. R. Clark Co., 300 test tube racks.....	208	36.00
Minneapolis Dry Goods Co., paper.....	209	15.40
C. W. Hall, sundry disbursements.....	210	20.60
The Minneapolis General Electric Co., electric lighting.....	211	4.25
Noyes Bros. & Cutler, drugs.....	212	257.23
Edwin R. Williams, ink.....	215	2.25
Metropolitan Music Co., rent of piano for armory.....	216	8.00
G. E. Stechert, books.....	220	12.26
Kennedy & Co., sporting goods.....	221	16.00
Minneapolis Electric & Construction Co., lamps.....	224	1.60
S. Ray, 150 hasps.....	225	10.00
Minneapolis Photo Materials Co., photo materials.....	231	5.78
Bausch & Lomb Optical Co., physical apparatus.....	250	716.89
W. M. Simms, hardware.....	259	17.25
William Wesley & Son, books.....	261	29.59
Buchhandlung, Gustav Fock, books.....	262	28.28
C. J. Hibbard, making lantern slides.....	263	100.00
Petty bills, miscellaneous supplies.....	265	21.58
D. W. Sprague, accountant, freight, express, postage and extra help.....	266	63.36
Minneapolis Gas Light Co., gas.....	354	98.28
Heywood Manufacturing Co., envelopes.....	356	6.65
Noyes Bros. & Cutler, drugs.....	357	250.98
The Minneapolis General Electric Co., electric lighting.....	358	12.65
Minneapolis Photo Materials Co., photo materials.....	359	14.33
Conway MacMillan, expenses to and from Superior.....	360	197.50
C. W. Hall, sundry disbursements.....	361	37.72
David F. Swenson, Welsbach burners, etc.....	362	6.17
Geo. J. Sherer, two shields.....	363	10.00
McClellan Paper Co., paper.....	364	90.00
The Pioneer Press Co., binding 93 volumes.....	365	110.50
Minneapolis Dry Goods Co., paper.....	366	28.35
Vaughn's Seed Store, plants.....	367	10.88
Bausch & Lomb Optical Co., physical apparatus.....	368	104.92
W. M. Simms, hardware.....	369	43.98
A. D. Roe, mineral specimens.....	370	15.00
McDonald Bros., 12 jars.....	371	5.88
Rand, McNally & Co., map.....	373	5.00
Josephine E. Tilden, expenses to Osceola.....	374	7.30
Minneapolis Office & School Furniture Co., two desks.....	375	40.00
W. K. Morrison & Co., hardware.....	377	11.60
Eimer & Amend, physical apparatus.....	378	234.82
Edwin E. Howell, relief map of Vesuvius.....	379	10.00
G. E. Stechert, books.....	380	15.39



	No. Voucher.	Amount.
Hudson-Kimberly Publishing Co., books.....	381	27.95
Narragansett Machine Co., tapes and arm stretch.....	382	8.20
William Wesley & Son, book.....	383	23.08
R. Friedlander & Sohn, books.....	384	43.82
Edwin R. Williams, draughting supplies.....	390	2.10
The University Book Store, books, etc.....	398	22.83
C. W. Menelly, groceries.....	401	.76
The Minneapolis General Electric Co., electric lighting.....	411	2.59
Richards & Co., Limited, drugs.....	416	41.16
Lyman-Ellet Drug Co., drugs.....	425	11.63
Petty bills, miscellaneous supplies.....	449	10.03
D. W. Sprague, accountant, freight, express, postage and extra help.....	450	57.82
C. J. Hibbard, making lantern slides.....	451	100.00
Edward Sanford, services in Rhetoric.....	539	100.00
The Minneapolis General Electric Co., electric lighting.....	542	1.92
G. B. Frankforter, express and stamps.....	545	6.25
Pioneer Press Co., binding 24 volumes.....	547	27.35
Richards & Co., Limited, chemicals.....	552	99.48
The Chicago Laboratory Supply & Scale Co., laboratory supplies.....	554	19.55
Noyes Bros. & Cutler, drugs.....	559	319.81
Fred J. Scott, printing.....	562	4.00
W. M. Simms, hardware.....	565	3.33
McClellan Paper Co., paper.....	566	17.00
W. K. Morrison & Co., hardware.....	575	2.30
Squires & Brigham, books.....	577	120.00
Minneapolis Office & School Furniture Co., arm chairs.....	578	48.00
Minneapolis Photo Materials Co., photo materials.....	579	19.35
Andrew P. Lorenze, table.....	582	10.25
Western Camera Notes, lantern slide plates.....	587	9.90
Minneapolis Gas Light Co., gas.....	588	114.96
Minneapolis Dry Goods Co., paper.....	589	24.15
Ernst Leitz, microscope plinon.....	598	1.50
Roy Hopping, mineral specimens.....	600	10.05
Bausch & Lomb Optical Co., microtome.....	601	62.25
Josephine E. Tilden, Yellowstone algae.....	603	62.40
Elmer & Amend, physical apparatus.....	602	35.54
Narragansett Machine Co., 200 lockers.....	605	300.00
Glessner & Washburn, repairing furniture.....	610	4.25
Electric Steel Elevator Co., galvanometer.....	611	28.20
C. J. Hibbard, services and expenses.....	613	104.25
C. W. Menelly, groceries.....	614	.53
The Minneapolis General Electric Co., electric lighting.....	615	5.78
Metropolitan Music Co., miscellaneous supplies.....	624	43.30
P. H. Ware, baritone horn.....	626	20.00
Fred J. Scott, stationery.....	627	7.00
The University Book Store, stationery and books.....	630	24.78
D. W. Sprague, accountant, freight, express, postage and extra help.....	631	10.79
W. D. Galvin, services Political Science.....	632	75.00
C. J. Hibbard, expenses to Victoria as photographer.....	634	150.00
A. J. Kreger, installing electric lights.....	640	32.60
Petty bills, miscellaneous supplies.....	641	24.46
Minneapolis Gas Light Co., gas.....	700	129.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	702	19.74
The John Leslie Paper Co., paper.....	704	5.00
John A. Schlener & Co., records.....	713	4.44
The Minneapolis General Electric Co., electric lighting.....	714	3.44
Noyes Bros. & Cutler, drugs.....	715	1,084.00
R. B. Thompson, lumber.....	716	8.81
G. E. Steckert, books.....	717	128.98
Yawman & Erbe Manufacturing Co., trays, cards and guides.....	718	8.50
Western Camera Notes Publishing Co., lantern slides.....	719	13.20
Minneapolis Photo Materials Co., photo materials.....	720	5.52
Minneapolis Dry Goods Co., paper.....	721	6.36
Andrew P. Lorenze, table top.....	722	11.50
Bausch & Lomb Optical Co., physical apparatus.....	723	32.16
Josephine A. Clark, index cards.....	724	32.16
Minneapolis Dry Goods Co., photographic paper.....	725	6.30
W. M. Simms, hardware.....	741	1.75
Nicholas Hansen, services in Rhetoric.....	759	60.00
Marine Biological Laboratory, marine specimens.....	761	21.00
A. J. Kreger, installing lights.....	762	72.85
Wm. W. Folwell, expenses to Washington.....	763	77.10
F. S. Collins, book.....	764	5.00
William Wesley & Son, books.....	765	81.75
The Minneapolis General Electric Co., electric lighting.....	766	26.36
Metropolitan Music Co., rent of piano for armory.....	767	8.00

	No. Voucher.	Amount.
D. W. Sprague, accountant, freight, express, postage and extra help	768	44.38
Petty bills, miscellaneous supplies	769	12.79
Brandow Printing Co., examination books	770	6.43
Minneapolis Gas Light Co., gas	830	104.76
Ada L. Comstock, extra work in Rhetoric	835	100.00
Fred J. Scott, printing	836	6.25
The University Press, stationery	844	7.50
G. E. Stechert, books	845	5.38
The Macmillan Co., books	846	5.86
C. W. Hall, postage, etc.	847	7.95
E. D. Mix, mats	849	10.07
A. T. Thompson & Co., telephone signal	852	6.00
Dr. Otto Kuntze, plants	853	7.00
Minneapolis Photo Materials Co., photo materials	854	9.37
John A. Schlener & Co., stationery	857	1.50
The Minneapolis General Electric Co., electric lighting	858	5.23
John C. Brown, animals, etc.	865	8.12
W. M. Simms, hardware	869	53.08
Adrian E. Buttz, sections of rocks	871	6.20
Metropolitan Music Co., rent piano for armory	873	12.00
The University Book Store, books	874	41.32
C. J. Hibbard, prints and lantern slides	876	104.00
C. J. Hibbard, services as photographer	877	100.00
Electrical Engineering Co., electrical supplies	878	69.50
Janney, Semple, Hill & Co., hardware	879	1.75
Edwin R. Williams, draughting supplies	880	8.70
Kennedy & Co., sporting goods	881	11.50
Nicholas Hansen, services Rhetorical Department	882	20.00
Alice Dougan, services Rhetorical Department	883	20.00
Minneapolis Dry Goods Co., paper	884	6.30
Noyes Bros. & Cutler, drugs	892	211.42
Bausch & Lomb Optical Co., microtome	899	62.25
The University Book Store, books	901	23.53
Warner Hardware Co., hardware	903	7.88
Lyman-Eliel Drug Co., drugs	906	4.03
The Minneapolis General Electric Co., electric lighting	907	33.93
Brandow Printing Co., blue books	909	3.58
American Linen Supply Co., linen	910	45.99
Alice Dougan, services Rhetorical Department	911	20.00
Petty bills, miscellaneous supplies	917	20.11
D. W. Sprague, accountant, freight, express, postage and extra help	918	29.78
R. Friedlander & Sohn, books	921	11.24
Oswald Weigel	922	35.29
R. B. Thompson, lumber	1005	2.25
Rosendahl & Brand, Vancouver Island plants	1006	9.00
W. M. Simms, hardware	1007	4.45
C. P. Sigerfoos, sundry disbursements	1008	18.23
Nicholas Hansen, services Rhetorical Department	1010	20.00
Adrian Buttz, slides	1012	11.50
G. F. Kriesel, machinist work	1013	32.11
Heywood Manufacturing Co., boxes	1014	14.25
Glessner & Washburn, one shade	1015	5.00
The Minneapolis General Electric Co., wiring	1016	287.35
Minneapolis Office & School Furniture Co., specimen blocks	1018	4.00
A. J. Dahl & Co., books	1023	104.10
C. J. Hibbard, five negatives	1028	6.25
A. J. Kreger, work	1031	22.08
Noyes Bros. & Cutler, drugs	1044	255.02
Simonson Bros. Manufacturing Co., ash	1046	1.25
Kennedy & Co., sporting goods	1050	6.40
Dr. Otto Kuntze, plants	1057	27.50
Review Publishing Co., printing	1060	6.50
G. E. Stechert, books	1069	139.27
Edgar L. Noyes, work in laboratory	1070	20.00
H. H. & C. S. Brimley, laboratory material	1088	63.15
Dana B. Casteel, egg tubes	1089	6.00
Minneapolis Gas Light Co., gas	1091	107.88
Petty bills, miscellaneous supplies	1094	3.83
D. W. Sprague, accountant, freight, express, postage and extra help	1095	18.66
The Minneapolis General Electric Co., electric lighting	1097	23.76
The Minneapolis General Electric Co., electric lighting	1099	2.56
Concilio Bibliografico, books	1100	83.13
Noyes Bros & Cutler, drugs	1173	281.44
Metropolitan Music Co., sheet music, etc.	1174	15.83

	No. Voucher.	Amount.
Minneapolis Gas Light Co., gas.....	1175	101.40
The University Press, stationery.....	1176	2.50
Fred J. Scott, printing.....	1177	3.25
Elmer L. Dills, expense Central Debating League.....	1178	50.00
Minneapolis Brass & Iron Manufacturing Co., stereopticon fittings.....	1187	45.65
Adrian C. Buttz, thin sections of rocks.....	1189	6.80
W. K. Morrison & Co., hardware.....	1190	19.50
Alice Dougan, services Rhetorical Department.....	1191	20.00
J. B. Beecher, box weight.....	1192	9.00
C. E. Van Duzee, refilling cylinders.....	1193	18.75
A. J. Kreger, extending line.....	1194	7.30
Carl T. Thayer, repairing camera.....	1195	7.00
Thomas K. Gray, drugs.....	1196	10.05
The Mendenhall Greenhouses, plants.....	1199	12.40
Electrical Engineering Co., electrical supplies.....	1201	3.00
W. M. Simms, hardware.....	1203	32.49
Minneapolis Office & School Furniture Co., furniture.....	1204	46.00
Western Camera Notes Publishing Co., lantern plates.....	1206	26.40
Edwin R. Williams, ink.....	1208	3.15
McIntosh Stereopticon Co., physical apparatus.....	1209	39.92
The University Book Store, stationery.....	1211	14.41
Minneapolis Dry Goods Co., paper.....	1213	10.55
Bausch & Lomb Optical Co., physical apparatus.....	1221	100.06
J. M. Thorburn & Co., seeds.....	1222	7.02
The Macmillan Co., book.....	1223	5.00
G. E. Stechert, book.....	1224	79.45
The Minneapolis General Electric Co., electric lighting.....	1225	15.86
Lyman-Elie! Drug Co., drugs.....	1227	11.43
C. W. Menelly, groceries.....	1243	6.27
The Minneapolis General Electric Co., electric lighting.....	1257	27.85
The American Journal of Anatomy, Volume I.....	1259	5.00
Cambridge Botanical Supply Co., books.....	1260	40.86
The Science Press, 24 copies Popular Science Monthly.....	1261	6.00
K. F. Koehler's Antiquarian, books.....	1262	202.15
K. F. Koehler's Antiquarian, books.....	1263	145.84
Minneapolis Photo Materials Co., photo materials.....	1277	23.95
John H. Fouch, photo materials.....	1278	13.13
C. H. Hibbard, services as photographer.....	1280	100.00
M. Emile Bescherelle, European mosses.....	1281	160.00
Lee O. Kellogg, services one term.....	1284	55.00
Petty bills, miscellaneous supplies.....	1282	44.29
D. W. Sprague, accountant, freight, express, postage and extra help.....	1283	100.90
Minneapolis Gas Light Co., gas.....	1354	73.92
John A. Schlener & Co., stationery.....	1369	3.50
Rose & Saviers, musical supplies.....	1370	19.75
Bausch & Lomb Optical Co., one stand, etc.....	1371	118.10
Harold L. Lyon, sundry disbursements.....	1373	6.03
Caroline B. Smith, coloring slides.....	1377	32.50
Minneapolis Dry Goods Co., paper.....	1382	14.00
Alex. James, instruction in debate.....	1387	80.00
F. J. Williman, 22 frames.....	1390	14.30
W. D. Galvin, services in Economics.....	1392	75.00
Geo. J. Sherer Sign Co., thermometer sign.....	1398	10.00
Jane F. Kennedy, examination of girls.....	1399	50.00
The Minneapolis General Electric Co., electric fitting.....	1401	8.50
Minneapolis Jewelry Manufacturing Co., badges.....	1403	17.50
Alice Dougan, services Rhetorical Department.....	1406	20.00
Edwin R. Williams, twine.....	1407	2.00
W. M. Simms, hardware.....	1412	8.36
The University Press, stationery.....	1439	9.50
The University Book Store, stationery.....	1441	28.61
Woodbury Label Co., labels.....	1456	23.20
A. B. Seymour, books.....	1457	8.78
E. E. McDermott, extra time and travel.....	1459	100.00
O. H. Peck & Co., photo materials.....	1462	25.26
The Minneapolis General Electric Co., electric lighting.....	1470	12.55
G. E. Stechert, books.....	1474	349.31
Edward Sanford, extra work in Rhetorical Department.....	1477	100.00
Ada L. Comstock, extra work in Rhetorical Department.....	1481	100.00
William Wesley & Son, freight from London.....	1483	7.92
George N. Northrop, services in English Department.....	1503	65.00
Nicholas Hansen, services in Rhetorical Department.....	1505	40.00
Petty Bills, miscellaneous supplies.....	1507	23.75
American Linen Supply Co., linen.....	1508	6.85
American Linen Supply Co., linen.....	1509	7.36

	No. Voucher.	Amount.
D. W. Sprague, accountant, freight, express, postage and extra help	1511	66.86
Clayton R. Cooley, deputy collector, duties on models	1361	19.60
W. K. Morrison & Co., hardware	1561	20.94
Minneapolis Gas Light Co., gas	1563	96.72
The University Press, printing	1572	2.25
Pioneer Press Co., binding magazines	1574	146.00
Benjamin Grocer, groceries	1575	7.16
O. H. Peck & Co., photo materials	1576	93.65
The Mendenhall Greenhouses, Illies	1577	5.00
C. E. Van Duzee, filling gas cylinders	1578	6.25
Thompson & Lees, cage refrigerators, etc.	1580	78.25
Glessner & Washburn, shades and chairs	1581	41.67
Wagner Typewriter Co., typewriter	1582	52.25
Noyes Bros. & Cutler, drugs	1584	142.06
Alex. James, instruction in debate	1585	20.00
Alice Dougan, services in Rhetorical Department	1586	20.00
Geo. B. Frankfurter, sundry disbursements	1587	8.13
Edwin R. Williams, draughting supplies	1590	9.05
Minneapolis Jewelry Manufacturing Co., gold badges	1600	12.00
The University Book Store, stationery	1604	3.80
C. W. Menelly, groceries	1613	6.49
Liquid Carbonic Acid Manufacturing Co., liquid gas	1623	5.00
Fairbanks, Morse & Co., cement tester and scale	1624	112.75
Bausch & Lomb Optical Co., triplet	1626	3.07
F. O. Boyd & Co., alcohol	1629	61.14
G. E. Stechert, books	1631	9.35
Union Hardware Co., balls for cycle skate	1632	12.00
Woodbury Label Co., labels	1644	22.15
The Minneapolis General Electric Co., electric lighting	1645	3.96
Chas. P. Sigerfoos, subscription to Biometrika	1648	7.35
Chas. P. Sigerfoos, sundry disbursements	1650	17.53
Ellen Janney, work in museum	1651	56.45
T. L. Duncan, work at minerals	1652	14.40
The Minneapolis General Electric Co., electric lighting	1653	53.05
Petty bills, miscellaneous supplies	1654	24.07
D. W. Sprague, accountant, freight, express, postage and extra help	1669	40.63
The Minneapolis General Electric Co., electric lighting	1670	11.88
Lyman-Eliel Drug Co., drugs	1730	4.75
W. M. Simms, hardware	1735	.30
Rickard & Gruman, diplomas	1737	5.60
Henry F. Nachtrieb, sundry disbursements	1746	8.20
M. Eva McIntyre, photographic work	1748	8.15
C. E. Van Duzee, refilling cylinder	1752	6.25
Beard Art & Stationery Co., signs	1753	12.75
Heywood Manufacturing Co., boxes	1754	27.50
C. W. Menelly, groceries	1757	4.32
C. J. Hibbard, negatives and prints	1759	16.54
Elgin R. Shepard, bromides	1761	13.00
J. Young, flour	1765	.....
Lyman-Eliel Drug Co., drugs	1766	7.76
O. H. Peck Co., photo materials	1769	38.44
Noyes Bros. & Cutler, drugs	1770	211.38
Bausch & Lomb Optical Co., physical apparatus	1774	32.55
The New Era Printing Co., printing	1776	31.00
The University Book Store, book	1780	.80
Minneapolis Gas Light Co., gas	1781	19.92
The Minneapolis General Electric Co., electric lighting	1782	6.37
Henry E. Loye, draughting on maps	1785	15.00
Vom Grherzgi Botanisch Garten, two welwitschias	1787	24.98
D. W. Sprague, accountant, freight, express, postage and extra help	1796	19.23
Petty bills, miscellaneous supplies	1797	9.00
Josephine A. Clark, index cards	1834	25.86
O. H. Peck Co., photo materials	1835	7.87
G. E. Stechert, books	1836	31.77
W. M. Simms, hardware	1837	4.00
Metropolitan Music Co., rent of piano for armory	1839	8.00
The Minneapolis General Electric Co., electric lighting	1840	1.87
Minneapolis Gas Light Co., gas	1842	32.88
C. J. Hibbard, services as photographer, etc.	1847	103.80
Wyckoff, Seamans & Benedict, rent of typewriter	1848	5.00
Petty bills, miscellaneous supplies	1850	37.86
D. W. Sprague, accountant, freight, express, postage and extra help	1851	23.87
<b>Total</b>		<b>\$116,216.58</b>

## THE COLLEGE OF ENGINEERING AND THE MECHANIC ARTS.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Henry T. Eddy, professor of English and Mechanics.....		\$2,400.00
John J. Flather, professor of Mechanical Engineering.....		2,400.00
William R. Hoag, professor of Civil Engineering.....		2,000.00
Arthur E. Haynes, professor of mathematics.....		2,000.00
Frank H. Constant, professor of Structural Engineering.....		1,750.00
William H. Kirchner, assistant professor of Drawing.....		1,650.00
Frank W. Springer, assistant professor of Electrical Engineering.....		1,000.00
William H. Kavanaugh, mechanical engineer.....		1,200.00
William H. Merriman, instructor in Machine Work.....		1,000.00
Frederic H. Bass, engineer.....		1,000.00
James M. Tate, instructor in Carpentry.....		900.00
William E. Brooke, engineer.....		800.00
C. Coleman Jett, instructor in Machine Design and Drawing.....		700.00
Henrietta Clopath, instructor in Freehand Drawing.....		800.00
Elizabeth Norris, instructor in Drawing.....		650.00
Nellie S. Trufant, instructor in Drawing.....		600.00
Guy L. Campbell, instructor.....		600.00
M. E. Anderson, scholar.....		100.00
George D. Shepardson, professor of Electrical Engineering.....		150.00
Benjamin Garbett, instructor.....		200.00
Argyle Buck, janitor.....		600.00
George Plowman, janitor.....		248.14
Harry Dixon, engineer.....		605.00
Harry G. Gilmore, assistant in Mechanical Engineering.....		400.00
Edward Johnson, assistant in Mechanical Engineering.....		250.00
Charles L. McDaniel, blacksmith.....		180.00
John Quense, scholar.....		125.00
George Buck, janitor.....		167.87
J. Danner, work.....		16.00
H. A. Hamlin, brass.....	48	9.36
Northern Machinery Co., shaft and hangers.....	72	12.51
W. C. Toles & Co., two vises.....	73	10.80
Glessner & Washburn, shades.....	97	4.72
Minneapolis Gas Light Co., gas.....	101	4.08
The Minneapolis General Electric Co., electric lighting.....	103	14.45
Morse Twist Drill & Machine Co., planers.....	106	44.53
D. W. Sprague, accountant, freight, express, postage and extra help.....	109	12.04
The Pioneer Fuel Co., coal.....	168	47.99
Electrical Engineering Co., electrical supplies.....	190	33.12
Minneapolis Gas Light Co., gas.....	195	3.84
The University Book Store, stationery.....	200	3.75
The Minneapolis General Electric Co., electric lighting.....	205	5.92
Fred J. Scott, stationery.....	217	8.00
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	218	6.79
Tinins, Olson & Co., testing machine lever.....	226	12.00
Wm. R. Hoag, sundry disbursements.....	230	6.35
Minneapolis Photo Materials Co., photo materials.....	231	10.63
Wm. C. Bailey, lumber.....	232	7.38
John F. Wilcox, lumber.....	233	37.50
Janney, Semple, Hill & Co., hardware.....	234	57.80
Northwestern Foundry, castings.....	235	5.25
Geo. D. Shepardson, expense investigating electric equipment.....	236	149.20
Electric Machinery Co., battery.....	237	5.00
Twin City Iron Works, pig iron supplies.....	238	50.86
Stoddard Hardware Co., hardware.....	239	34.19
W. S. Nott Co., belting.....	240	62.73
W. M. Simms, hardware.....	259	12.10
Petty bills, miscellaneous supplies.....	265	23.16
D. W. Sprague, accountant, freight, express, postage and extra help.....	266	27.06
Pioneer Fuel Co., coal.....	334	54.67
R. B. Thompson, lumber.....	340	17.25
Minneapolis Gas Light Co., gas.....	354	4.32
The Minneapolis General Electric Co., electric lighting.....	358	.10
Minneapolis Photo Materials Co., photo materials.....	359	5.20
W. M. Simms, hardware.....	369	20.82
Stoddard Hardware Co., hardware.....	372	55.33
Electrical Engineering Co., electrical supplies.....	376	8.78
W. K. Morrison & Co., hardware.....	377	2.75
M. O. Stone, labor.....	385	8.00

	No. Voucher.	Amount.
W. Bean, labor.....	386	8.80
Janney, Semple, Hill & Co., hardware.....	387	5.24
J. F. Gage & Co., chair.....	388	8.00
O. I. Eberhardt, repairing bell circuits.....	389	8.00
Edwin R. Williams, draughting supplies.....	390	6.35
The Colorado Lamp Co., 100-Watt lamps.....	391	17.00
Minneapolis Office & School Furniture Co., 15 drawing boards.....	392	23.25
W. S. Nott Co., pulleys, etc.....	393	109.43
Charles H. Besley & Co., speed indicators.....	394	5.18
Marius Rosok, repairing bell circuits.....	395	6.00
H. A. Smith, books.....	396	6.00
S. Jacobs & Co., two stop watches.....	397	11.00
The University Book Store, stationery, etc.....	398	8.40
The University Press, stationery.....	401	4.10
Lyman-Elie! Drug Co., drugs.....	425	1.00
Petty bills, miscellaneous supplies.....	449	9.68
D. W. Sprague, accountant, freight, express, postage and extra help.....	450	15.28
The Pioneer Fuel Co., coal.....	538	74.45
The Minneapolis General Electric Co., electric lighting.....	542	.57
George Buck, work.....	543	22.50
C. J. Hibbard, negatives and slides.....	555	6.00
Wm. H. Kavanaugh, sundry disbursements.....	556	6.53
Janney, Semple, Hill & Co., hardware.....	557	32.25
Fred J. Scott, printing.....	562	6.75
Electrical Engineering Co., electrical supplies.....	564	11.10
W. M. Simms, hardware.....	565	4.70
John F. Wilcox, lumber.....	572	37.60
W. K. Morrison & Co., hardware.....	575	2.25
Minneapolis Gas Light Co., gas.....	588	6.24
W. S. Nott Co., belting.....	590	55.82
R. Alexander, panels.....	591	117.00
Chas. H. Besley & Co., diamond for lathe tool.....	592	10.00
Twin City Iron Works, coke.....	593	17.44
Wm. Bros, painting cupola.....	597	12.00
The Minneapolis General Electric Co., electric lighting.....	615	1.10
S. Obermayer Co., ladle, etc.....	619	18.00
E. O. Parker, molding sand.....	628	19.50
D. W. Sprague, accountant, freight, express, postage and extra help.....	631	89.33
The Engineering Magazine, index.....	633	5.00
Owen Tradewell, office work.....	636	17.30
Frank W. Springer, sundry disbursements.....	638	5.25
Office & School Furniture Co., pigeon hole box.....	639	.....
Petty bills, miscellaneous supplies.....	641	12.05
Minneapolis Gas Light Co., gas.....	700	6.72
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	702	11.92
The Minneapolis General Electric Co., electric lighting.....	714	1.93
Electrical Engineering Co., electrical supplies.....	726	8.00
Electrical Engineering Co., electrical supplies.....	727	24.19
Twin City Iron Works, pig iron.....	728	32.95
John F. Wilcox, lumber.....	729	60.36
W. E. Acomb, labor.....	730	18.00
George A. Williams & Sons, test sieves.....	731	12.25
Thomson Meter Co., meter.....	732	12.88
East Bangor Consolidated Slate Co., slate table top.....	733	13.90
J. J. Flather, stamps.....	734	6.45
Stoddard Hardware Co., hardware.....	735	50.65
Fritz J. Young, flour.....	742	1.00
The University Press, stationery.....	760	5.10
The Minneapolis General Electric Co., electric lighting.....	766	1.70
D. W. Sprague, accountant, freight, express, postage and extra help.....	768	31.56
Petty bills, miscellaneous supplies.....	769	11.00
The Pioneer Fuel Co., coal.....	827	71.76
Fred J. Scott, printing.....	829	4.00
Minneapolis Gas Light Co., gas.....	830	13.56
The University Press, stationery.....	844	11.20
Engineering Magazine, index Volume III.....	848	5.00
Minneapolis Photo Materials Co., photo materials.....	854	1.79
Fairbanks, Morse & Co., weights.....	859	5.00
Wm. H. Kavanaugh, expense of inspection visits.....	860	12.25
Wm. C. Bailey, lumber.....	861	15.61
H. L. Swain & Co., coal.....	862	5.60
Twin City Iron Works, coke.....	863	15.19
Stoddard Hardware Co., hardware.....	864	14.17
Nichols' Engineering & Constructing Co., steel tapes.....	866	8.75

	No. Voucher.	Amount.
W. M. Simms, hardware.....	869	14.98
W. B. McPherson, work.....	870	19.50
W. C. Hart, work in laboratory.....	875	11.40
Electrical Engineering Co., electrical supplies.....	878	3.98
Janney, Semple, Hill & Co., hardware.....	879	5.94
Edwin R. Williams, draughting supplies.....	880	8.19
W. K. Morrison & Co., hardware.....	886	.45
The Munson Stationery Co., stationery.....	888	3.75
The Plumbing & Steamfitting Supplies Co., plumbing supplies..	904	1.77
Lyman-Ellel Drug Co., drugs.....	906	5.75
The Minneapolis General Electric Co., electric lighting.....	907	.45
American Linen Supply Co., linen.....	910	11.27
Petty bills, miscellaneous supplies.....	917	15.24
D. W. Sprague, accountant, freight, express, postage and extra help .....	918	64.69
F. Darton & Co., physical apparatus.....	920	76.70
N. W. Star Oil Co., oil.....	968	6.00
R. B. Thompson, lumber.....	1005	2.25
W. M. Simms, hardware.....	1007	14.84
E. H. Blair, wiring.....	1009	9.45
Frank W. Springer, sundry disbursements.....	1011	22.60
The Minneapolis General Electric Co., work on lamps.....	1016	5.50
Electrical Engineerin., Co., electrical supplies.....	1017	3.31
Minneapolis Office & School Furniture Co., arm chairs.....	1018	37.50
E. M. Van Duzee, Jr., & Co., lamps.....	1019	43.20
Janney, Semple, Hill & Co., hardware.....	1020	23.67
Wm. Bros, one tank.....	1021	37.50
Arnold Kuhlo, one level.....	1022	60.00
Twin City Iron Works, boring cylinder.....	1024	5.00
W. J. Hall cabinet.....	1026	8.00
John F. Wilcox, lumber.....	1027	102.21
Edwin R. Williams, rolls print.....	1029	11.63
M. E. Anderson, wiring.....	1030	6.95
Lyman-Ellel Drug Co., drugs.....	1033	1.15
W. K. Morrison & Co., hardware.....	1047	16.47
H. L. Swain & Co., coal.....	1049	8.40
The Pioneer Fuel Co., coal.....	1053	85.24
W. C. Hart, services in electrical laboratory.....	1055	19.25
Norman W. Henley & Co., books.....	1064	5.85
The University Press, stationery.....	1066	3.75
Fred A. Rich, cutter.....	1067	25.65
W. & L. E. Gurley, meter.....	1068	65.00
Harris Bros., brass.....	1073	30.60
Minneapolis Gas Light Co., gas.....	1091	6.36
Petty bills, miscellaneous supplies.....	1094	18.55
D. W. Sprague, accountant, freight, express, postage and extra help .....	1095	22.53
The Minneapolis General Electric Co., electric lighting.....	1097	.48
The Pioneer Fuel Co., coal.....	1172	67.40
Minneapolis Gas Light Co., gas.....	1175	9.36
Stoddard Hardware Co., hardware.....	1186	40.12
C. J. Hibbard, negatives and slides.....	1187	20.25
W. K. Morrison & Co., hardware.....	1190	6.97
A. J. Kreger, work in electrical laboratory.....	1194	12.68
Northwestern Foundry, casting.....	1197	8.34
Janney, Semple, Hill & Co., hardware.....	1198	17.23
Glessner & Washburn, shades.....	1200	5.75
Electrical Engineering Co., electrical supplies.....	1201	186.90
R. B. Thompson, lumber.....	1202	13.08
Minneapolis Office & School Furniture Co., key cabinet.....	1204	6.00
Twin City Iron Works, coke.....	1205	21.89
Twin City School Supply Co., four pieces real slate.....	1207	7.75
Edwin R. Williams, draughting supplies.....	1208	3.80
L. C. & W. L. Hutchins, painting, kalsomining and plastering..	1212	12.25
G. P. Derrickson & Co., label holders.....	1214	5.33
Fairbanks, Morse & Co., platform scale.....	1216	20.00
The Minneapolis Electric Co., electric lighting.....	1225	5.92
Lyman-Ellel Drug Co., drugs.....	1227	12.20
Geo. D. Shepardson, sundry disbursements.....	1228	7.30
Geo. D. Shepardson, sundry disbursements.....	1229	20.77
James D. Biddle, glass jars, etc.....	1251	38.70
Standard Oil Co., oil.....	1256	18.85
John F. Wilcox, lumber.....	1258	12.50
Petty bills, miscellaneous supplies.....	1282	29.16
D. W. Sprague, accountant, freight, express, postage and extra help .....	1283	107.65
The Munson Stationery Co., stencils.....	1236	2.25
The Pioneer Fuel Co., coal.....	1353	56.49

	No. Voucher.	Amount.
Minneapolis Gas Light Co., gas.....	1354	1.63
The John Leslie Paper Co., paper.....	1360	12.50
R. Cooley, deputy collector, duties on models.....	1361	
Twin City Iron Works, coke.....	1372	5.36
Therlen Tool Works, steel pins and rings.....	1374	7.50
The B. F. Goodrich Co., special bands.....	1375	6.09
General Electric Co., freight.....	1376	6.35
Western Scrap Iron Co., eight pieces rails.....	1378	11.25
C. Hennecke Co., casts.....	1379	12.75
Northwestern Foundry, pig iron.....	1380	46.23
Janney, Semple, Hill & Co., steel.....	1381	4.61
Machinists' Supply Co., machinist supplies.....	1383	10.97
Farr Telephone & Construction Co., two telephones.....	1384	12.00
Minneapolis Iron Store Co., engineering supplies.....	1385	19.09
Henrietta Clopath, flannel and ticking.....	1386	5.00
John F. Wilcox, pine.....	1388	73.00
Stoddard Hardware Co., hardware.....	1389	19.10
H. L. Swain & Co., coal.....	1391	5.55
Frank W. Springer, sundry disbursements.....	1393	28.30
W. K. Morrison & Co., hardware.....	1394	3.33
Minneapolis Office & School Furniture Co., seven tables.....	1395	126.00
W. E. Acomb, work.....	1396	16.50
O. I. Eberhardt, work in electrical laboratory.....	1397	7.00
Globe Iron Works Co., cell battery.....	1400	12.00
Arnold Kuhlo, physical apparatus.....	1404	266.00
Edwin R. Williams, paper and cloth.....	1407	15.78
W. & L. E. Gurley, table and fixtures.....	1408	60.00
Schaffer & Budenberg, calorimeter.....	1410	18.00
Schaffer & Budenberg, chemical thermometers.....	1411	7.68
W. M. Simms, hardware.....	1412	15.32
The University Book Store, stationery.....	1441	3.00
J. B. & C. T. Moffett, paint stuffs.....	1449	2.75
R. B. Thompson, lumber.....	1453	7.97
Geo. D. Shepardson, sundry disbursements.....	1458	14.33
The Minneapolis-General Electric Co., electric lighting.....	1470	7.27
Northern Cycle Supply Co., bicycle supplies.....	1506	7.50
Petty bills, miscellaneous supplies.....	1507	23.48
American Linen Supply Co., linen.....	1508	1.69
American Linen Supply Co., linen.....	1509	2.12
D. W. Sprague, accountant, freight, express, postage and extra help.....	1511	32.61
W. K. Morrison & Co., hardware.....	1561	14.92
Minneapolis Gas Light Co., gas.....	1563	3.24
The University Press, printing.....	1572	8.05
W. M. Simms, hardware.....	1579	39.36
Minneapolis Office & School Furniture Co., draughting tables.....	1583	222.00
Geo. D. Shepardson, sundry disbursements.....	1588	13.59
The Gilmore-Rollins Co., machine bolts.....	1589	17.76
Edwin R. Williams, draughting supplies.....	1590	16.06
Shevlin-Carpenter Co., lumber.....	1591	10.14
W. S. Nott Co., packing.....	1592	5.18
Janney, Semple, Hill & Co., hardware.....	1593	4.98
Minneapolis Iron Store Co., iron and steel.....	1594	7.02
Pittsburgh Plate Glass Co., glass.....	1595	7.95
W. E. Acomb, work.....	1596	12.50
Northwestern Foundry, coke and scrap.....	1597	18.20
John F. Wilcox, pine.....	1598	17.20
The Plumbing & Steamfitting Supplies Co., valves.....	1599	20.48
R. B. Thompson, lumber.....	1601	2.52
Crucible Steel Co., crescents.....	1627	15.21
Keuffel & Esser Co., drawing materials.....	1630	117.19
The Minneapolis General Electric Co., electric lighting.....	1645	6.07
The Minneapolis General Electric Co., proportion of freight.....	1646	6.24
The Minneapolis General Electric Co., electric lighting.....	1653	.20
Petty bills, miscellaneous supplies.....	1654	9.02
D. W. Sprague, accountant, freight, express, postage and extra help.....	1669	26.88
The Minneapolis General Electric Co., electric lighting.....	1670	.60
Lyman-Ellel Drug Co., drugs.....	1730	11.31
The Pioneer Fuel Co., coal.....	1736	75.56
Machinists' Supply Co., three reamer cutters.....	1745	8.00
Swahn Pottery Manufacturing Co., clay.....	1747	6.50
W. S. Nott Co., leather and pulleys.....	1749	32.56
Janney, Semple, Hill & Co., hardware.....	1750	6.11
Minneapolis Steel & Machinery Co., steam pump.....	1751	20.00
Twin City Paint Co., plaster of Paris.....	1755	12.00
Arnold Kuhlo, surveying instruments.....	1756	164.45
Edwin R. Williams, draughting supplies.....	1758	5.55



	No. Voucher.	Amount.
W. K. Morrison & Co., hardware.....	1760	47.40
Fritz J. Young, flour.....	1765	1.63
Lyman-Eliel Drug Co., drugs.....	1766	1.88
O. H. Peck Co., printing frames.....	1769	4.80
R. B. Thompson, lumber.....	1772	2.12
Crucible Steel Co., crucible machinery.....	1779	7.82
Minneapolis Gas Light Co., gas.....	1781	2.28
The Minneapolis General Electric Co., electric lighting.....	1782	.38
D. W. Sprague, accountant, freight, express, postage and extra help .....	1796	40.95
Wm. Simms, hardware.....	1837	3.20
The Engineering News Publishing Co., advertising.....	1841	87.25
Minneapolis Gas Light Co., gas.....	1842	2.04
Petty bills, miscellaneous supplies.....	1850	26.48
D. W. Sprague, accountant, freight, express, postage and extra help .....	1851	5.98
Total .....		\$30,595.02

## THE COLLEGE OF LAW.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
William S. Pattee, dean.....		\$3,500.00
Adam C. Hickman, professor of Pleading and Practice.....		2,500.00
James Paige, professor of Torts and Criminal Law.....		2,400.00
Henry I. Fletcher, lecturer Contracts and Real Property.....		1,600.00
Howard S. Abbott, lecturer Corporations.....		1,090.00
Robert S. Kollner, lecturer Personal Property.....		910.00
James O. Pierce, lecturer Constitutional Jurisprudence.....		200.00
John Day Smith, lecturer American Constitutional Law.....		720.00
Ransom J. Powell, lecturer in Justice Practice.....		1,000.00
Willima W. Folwell, lecturer on International Law.....		180.00
Jared How, lecturer on Landlord and Tenant.....		210.00
Edwin A. Jaggard, lecturer on Taxation.....		430.00
John C. Sweet, lecturer on Mortgage Foreclosure.....		400.00
C. D. O'Brien, lecturer on Criminal Procedure.....		80.00
George B. Young, lecturer on Conflict of Laws.....		60.00
Hugh E. Willis, stenographer.....		780.00
William Furst, librarian.....		350.00
Frank Eckert, janitor.....		517.50
Minneapolis Electric & Construction Co., installing lights.....	19	44.58
Minneapolis Office & School Furniture Co., 40 feet shelving.....	20	55.00
Y. M. C. A. of U. of Minn., advertising.....	46	10.00
Fred J. Scott, letter heads.....	61	4.00
H. L. Collins Co., books.....	74	63.45
The Minneapolis General Electric Co., electric lighting.....	99	.04
Minneapolis Gas Light Co., gas.....	101	1.08
D. W. Sprague, accountant, freight, express, postage and extra help .....	109	3.90
Minneapolis Gas Light Co., gas.....	195	4.32
The Minneapolis General Electric Co., electric lighting.....	211	5.61
Minneapolis Electric & Construction Co., ray reflectors.....	224	5.00
The Boston Book Co., books.....	227	408.00
The Boston Book Co., books.....	228	159.71
A. J. Dahl & Co., books.....	229	284.85
Petty bills, miscellaneous supplies.....	265	6.25
D. W. Sprague, accountant, freight, express, postage and extra help .....	266	4.34
Fred J. Scott, printing.....	335	18.25
Minneapolis Gas Light Co., gas.....	354	12.96
The Minneapolis General Electric Co., electric lighting.....	358	17.99
The University Book Store, hall rent.....	398	75.00
Little, Brown & Co., books.....	399	4.75
The Lawyers' Co-operative Publishing Co., books.....	400	26.00
The University Press, stationery.....	401	346.65
Callaghan & Co., books.....	402	100.00
T. & J. W. Johnson & Co.....	403	341.50
The Boston Book Co., books and subscription.....	404	286.00
Petty bills, miscellaneous supplies.....	449	5.90
D. W. Sprague, accountant, freight, express, postage and extra help .....	450	6.99
The University Press, stationery.....	544	62.55
W. H. Yale, books.....	548	100.00

	No. Voucher.	Amount.
H. L. Collins Co., binding books.....	549	26.40
Frank Alverdes & Co., books.....	550	21.95
A. J. Dahl & Co., stationery.....	580	11.85
The Minneapolis General Electric Co., electric lighting.....	615	19.93
D. W. Sprague, accountant, freight, express, postage and extra help .....	631	4.17
Petty bills, miscellaneous supplies.....	641	1.00
Minneapolis Gas Light Co., gas.....	700	24.72
The Minneapolis General Electric Co., electric lighting.....	766	19.50
D. W. Sprague, accountant, freight, express, postage and extra help .....	768	.89
Brandow Printing Co., examination books.....	770	6.44
Democrat Printing Co., cards and pockets.....	855	9.38
Wyckoff, Seamans & Benedict, Remington typewriter.....	856	65.00
John A. Schlener & Co., stationery.....	857	1.25
Harrison & Smith Co., court minutes.....	867	9.50
Frank Alverdes & Co., books and stationery.....	868	49.40
The University Press, stationery.....	872	51.20
Minneapolis Dry Goods Co., rattan matting.....	884	9.90
The Minneapolis General Electric Co., electric lighting.....	907	14.69
Brandow Printing Co., blue books.....	909	3.59
D. W. Sprague, accountant, freight, express, postage and extra help .....	918	1.45
Minneapolis Furniture Co., table.....	1025	5.00
West Publishing Co., books.....	1062	233.67
The University Press, stationery.....	1066	39.00
Minneapolis Gas Light Co., gas.....	1091	10.44
Petty bills, miscellaneous supplies.....	1094	2.40
The Minneapolis General Electric Co., electric lighting.....	1097	18.49
Minneapolis Gas Light Co., gas.....	1175	12.12
Frank Alverdes & Co., books.....	1210	37.35
The University Book Store, hall rent.....	1211	150.00
The Minneapolis General Electric Co., electric lighting.....	1257	18.40
Petty bills, miscellaneous supplies.....	1282	5.70
D. W. Sprague, accountant, freight, express, postage and extra help .....	1283	1.15
Minneapolis Gas Light Co., gas.....	1354	10.68
The John Leslie Paper Co., paper.....	1360	12.50
West Publishing Co., books.....	1402	90.00
Frank Alverdes & Co., books.....	1405	15.15
The University Press, stationery.....	1439	9.75
D. W. Sprague, accountant, freight, express, postage and extra help .....	1511	1.70
Minneapolis Gas Light Co., gas.....	1563	10.80
A. J. Dahl & Co., books.....	1602	26.35
Frank Alverdes & Co., books.....	1603	9.30
The Minneapolis General Electric Co., electric lighting.....	1653	37.18
The Minneapolis General Electric Co., electric lighting.....	1670	2.93
E. W. Huffant, treasurer, dues to Association American Law Schools .....	1777	10.00
Minneapolis Gas Light Co., gas.....	1781	2.28
D. W. Sprague, accountant, freight, express, postage and extra help .....	1796	.45
Minneapolis Gas Light Co., gas.....	1842	1.44
Total .....		\$20,525.56

#### THE SCHOOL OF MINES.

Note.—The appropriation of \$5,000 for support of School of Mines is not enough to meet the expenses of this department. Whatever is lacking has been paid annually out of the Current Expense Fund.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Chas. E. Van Barneveld, professor.....		\$2,250.00
Peter Christianson, instructor.....		550.00
Benj. F. Groat, assistant professor.....		600.00
Edward P. McCarthy, instructor.....		450.00
Harry H. Cupinall, janitor.....		120.00
Gust Rydland, millwright.....		360.00
Peter Parsons, janitor.....		180.00
Charles P. Berkey, instructor in Mineralogy (one-half salary) ..		650.00

	No. Voucher.	Amount
The Minneapolis General Electric Co., electric lighting.....	17	.78
Minneapolis Gas Light Co., gas.....	101	.12
Edwin R. Williams, one roll blue print.....	215	3.00
The Minneapolis General Electric Co., electric lighting.....	358	5.79
John A. Schlener & Co., midget stapler.....	713	6.50
J. J. Gerber, steel.....	913	54.93
The Minneapolis General Electric Co., electric lighting.....	907	6.39
E. H. Sargent & Co., capsules.....	914	29.18
Enterprise Machine Co., Swain lubricators.....	915	5.00
Standard Oil Co., oil.....	916	2.00
Denver Fire Clay Co., crucibles, etc.....	988	230.41
C. L. Berger & Sons, one transit.....	989	383.00
Janney, Semple, Hill & Co., drills.....	990	7.70
Noyes Bros. & Cutler, drugs.....	991	94.92
W. M. Simms, hardware.....	992	8.67
The Plumbing & Steamfitting Supplies Co., valves and cups.....	993	4.95
Petty bills, miscellaneous supplies.....	994	65.64
H. L. Swain & Co., wood.....	1049	7.50
The Pioneer Fuel Co., coal.....	1053	37.50
The General Concentrates Co., concentrator.....	1075	200.00
Denver Fire Clay Co., spoons.....	1076	1.96
American Mining News Co., one year's subscription.....	1077	2.00
Canadian Mining Review, two years' subscription.....	1078	6.00
W. R. Appleby, sundry disbursements.....	1079	11.42
E. H. Sargent & Co., crucibles.....	1080	21.35
C. W. Menelly, salt.....	1081	2.75
Wagner Typewriter Co., repairs.....	1082	1.75
Minneapolis Office & School Furniture Co., book case.....	1083	27.50
Heywood Manufacturing Co., pamphlet cases.....	1084	46.00
Chas. E. Van Barneveld, sundry disbursements.....	1085	29.00
Minneapolis Photo Materials Co., photo materials.....	1086	4.30
Minneapolis Gas Light Co., gas.....	1091	4.68
The Minneapolis General Electric Co., electric lighting.....	1097	2.54
The Minneapolis General Electric Co., electric lighting.....	1099	9.67
Petty bills, miscellaneous supplies.....	1101	38.17
The Pioneer Fuel Co., coal.....	1172	52.00
Edwin R. Williams, one roll print.....	1208	.70
The Minneapolis General Electric Co., electric lighting.....	1225	9.59
The Minneapolis General Electric Co., electric lighting.....	1257	3.59
W. R. Appleby, sundry disbursements.....	1264	16.00
Levi B. Pease, services Metallurgical Department.....	1265	200.00
Minneapolis Gas Light Co.....	1266	7.68
Janney Bros., retort cement.....	1267	2.00
W. M. Simms, hardware.....	1268	18.40
E. H. Sargent & Co., capsules.....	1269	6.00
E. H. Sargent & Co., bone ash.....	1270	6.00
Gust. Lagerquist, moving shafting, etc.....	1271	80.00
Noyes Bros. & Cutler, drugs.....	1272	7.48
Denver Fire Clay Co., mining supplies.....	1273	75.97
Wagner Typewriter Co., changing keyboard.....	1274	32.25
C. E. Van Barneveld, sundry disbursements.....	1275	18.53
O. H. Peck Co., photo materials.....	1276	4.60
Petty bills, miscellaneous supplies.....	1286	15.27
The Pioneer Fuel Co., coal.....	1353	44.00
Minneapolis Gas Light Co., gas.....	1354	3.48
The Minneapolis General Electric Co., electric lighting.....	1470	5.58
C. E. Van Barneveld, sundry disbursements.....	1485	18.20
W. R. Appleby, sundry disbursements.....	1486	16.96
W. M. Simms, hardware.....	1487	19.50
Carbert Dry Plate & Film Co., film holders.....	1488	4.50
Mining Reporter, 62 copies.....	1489	6.20
C. L. Berger & Sons, transit and wye level.....	1490	360.50
Denver Fire Clay Co., three dozen muffles.....	1491	28.75
Wm. Lorenz, three canvas cases.....	1492	8.25
Library Bureau, 1,000 cards.....	1493	3.75
The University of Chicago Press, Journal of Geology.....	1494	3.00
J. C. Landers & Co., cement.....	1495	1.20
R. B. Thompson, lumber.....	1496	4.94
Edwin R. Williams, cabinet, etc.....	1497	45.88
University Book Store, stationery.....	1498	14.71
Christian Becker, platinum weights.....	1499	16.20
Minneapolis Photo Materials Co., films.....	1500	9.12
Minneapolis Photo Materials Co., photo materials.....	1501	3.20
F. W. Braun & Co., one cyanide plant.....	1502	36.00
Petty bills, miscellaneous supplies.....	1512	15.90
Minneapolis Gas Light Co., gas.....	1563	.84
School of Mines Society, toward expenses of bulletin.....	1567	10.00
The Minneapolis General Electric Co., electric lighting.....	1645	5.18

	No. Voucher.	Amount.
The Minneapolis General Electric Co., electric lighting.....	1653	2.36
Edwin R. Williams, draughting supplies.....	1656	49.05
O. H. Peck Co., photo materials.....	1657	15.16
The Carbut Dry Plate & Film Co., film holders.....	1658	6.25
American Institute of Mining Engineers, copy of surveying instruments .....	1659	3.00
W. M. Simms, hardware.....	1660	9.50
A. J. Dahl & Co., books.....	1661	49.75
A. W. Townsend, iron can.....	1662	10.00
W. R. Appleby, sundry disbursements.....	1663	26.40
Smith & Thompson, balance fixtures.....	1664	25.20
J. C. Miller, M. D., chromium salt.....	1665	3.00
Hall, Black & Co., letter heads and envelopes.....	1666	16.00
Folmer & Schwing Manufacturing Co., graphic and plate holders	1667	4.80
The Minneapolis General Electric Co., electric lighting.....	1670	.99
Minneapolis Gas Light Co., gas.....	1781	1.08
The Minneapolis General Electric Co., electric lighting.....	1782	12.19
Chas. E. Van Barneveld, travel, California.....	1789	225.10
W. M. Simms, hardware.....	1790	9.79
Noyes Bros. & Cutler, drugs.....	1791	8.28
W. R. Appleby, sundry disbursements.....	1792	18.50
Edwin R. Williams, draughting supplies.....	1793	10.60
Peter J. Sanden, blacksmithing.....	1794	5.46
Minneapolis Gas Light Co., gas.....	1842	.24
<b>Total .....</b>		<b>\$8,277.74</b>

### THE COLLEGE OF MEDICINE AND SURGERY.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Parks Ritchie, dean.....		\$2,400.00
Thomas G. Lee, professor.....		2,400.00
Charles J. Bell, professor.....		2,000.00
Frank F. Westbrook, professor.....		1,800.00
Richard O. Beard, professor.....		1,500.00
Henry M. Bracken, professor.....		1,000.00
Frederick A. Dunsmoor, professor.....		600.00
James H. Dunn, professor.....		600.00
J. Clark Stewart, professor.....		450.00
Charles H. Hunter, professor.....		200.00
Abram B. Cates, professor.....		400.00
Everton J. Abbott, professor.....		100.00
John W. Bell, professor.....		200.00
Charles L. Greene, professor.....		100.00
Charles A. Erdman, acting professor.....		1,800.00
Winfield S. Nickerson, assistant professor.....		1,500.00
S. Marx White, assistant professor.....		1,680.00
Hubert C. Carel, assistant professor.....		1,300.00
M. Russell Wilcox, demonstrator.....		880.00
Harry K. Read, demonstrator.....		800.00
George D. Head, instructor.....		400.00
Margaret Nickerson, instructor.....		500.00
Louis B. Wilson, demonstrator.....		400.00
Eleanor M. Wilkinson, instructor.....		600.00
William M. Chowning, assistant.....		500.00
L. U. Boyle, metal worker.....		750.00
Louis W. Bates, prosector.....		496.67
Bernard S. Nickerson, assistant.....		582.50
Earl R. Hare, prosector.....		400.00
Louis H. Filgman, assistant.....		400.00
William H. Condit, assistant.....		250.00
Chelsea C. Pratt, assistant.....		210.00
Richard Lundquist, laboratory helper.....		232.00
Edith M. Bowen, librarian.....		300.00
Sigurd Kaasen, assistant.....		305.00
Clyde H. Bailey, assistant.....		161.40
L. O. Clement, dispensary clerk.....		137.50
Albert G. Schulze, clerk.....		100.00
Otto Schenck, laboratory boy.....		15.00
Wilkin Stanley, laboratory boy.....		153.00
Frank Colburn, janitor.....		177.50
Caleb P. Adams, janitor.....		450.00
Gust Wickenburg, janitor.....		527.87

	No. Voucher.	Amount.
Jack Swenson, janitor.....	5	540.00
E. A. Taylor, janitor.....	10	600.00
Oscar Berger, janitor.....	13	500.00
Nora Caverly, janitress.....	14	210.00
Alvin E. Carr, assistant.....	17	360.00
Oscar Fryckman, janitor.....	21	100.00
Edwin E. Olander, scholar.....	22	45.00
The N. W. Telephone Exchange Co., service for August.....	5	6.00
Fred J. Scott, envelopes.....	10	12.00
The Minneapolis General Electric Co., electric lighting.....	13	2.39
The University Press, cards.....	14	8.00
The Minneapolis General Electric Co., electric lighting.....	17	6.62
The Ka-Korser-Ko, Limited, lantern slides.....	21	44.60
Central Gas Fixture Co., one light bracket.....	22	6.75
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	23	25.00
The John Leslie Paper Co., paper.....	24	5.35
Minneapolis Photo Materials Co., photo supplies.....	25	34.70
H. J. Saunders, eight awnings.....	26	27.20
R. Alexander, moldings.....	28	5.75
W. K. Morrison & Co., hardware.....	29	9.00
Thomas G. Lee, sundry disbursements.....	30	47.50
J. Workman, eggs.....	31	6.75
Standard Oil Co., gasoline.....	32	23.64
Richter Bros., books.....	37	15.55
W. T. Keener, books.....	38	7.25
Noyes Bros. & Cutler, drugs.....	39	74.67
Geo. R. Newell & Co., soap.....	41	6.75
Chas. H. Cirkler, medical supplies.....	42	12.20
Electrical Engineering Co., four phones, etc.....	45	41.84
Y. M. C. A. of U. of Minn., advertising.....	46	10.00
The Association of Medical Librarians, annual dues.....	47	25.00
William Wood & Co., Volume II. Reference Hand Book Medical Science.....	52	8.00
Concilio Bibliographico, books.....	53	39.63
B. E. Dahlgren, wax models smallpox, etc.....	54	135.00
The University Book Store, books.....	56	6.00
Petty bills, miscellaneous supplies.....	58	31.24
Richards & Co., Limited, chemicals.....	59	7.59
Fred J. Scott, letter heads.....	61	2.25
Pioneer Fuel Co., coal.....	66	8.15
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	75	25.00
Standard Oil Co., gasoline.....	76	31.45
W. S. Nott Co., belting.....	77	2.46
H. J. Saunders, shades.....	78	41.00
W. K. Morrison & Co., hardware.....	79	19.57
Noyes Bros. & Cutler, drugs.....	80	39.81
Electrical Engineering Co., portable for battery circuit.....	81	9.40
C. W. Menelly, groceries.....	82	24.82
Lyman-Ellel Drug Co., drugs.....	83	48.95
Gugler Electric Manufacturing Co., desk fan.....	84	17.50
The Journal of the American Medical Association, advertising.....	85	16.00
The American Medicine Publishing Co., advertising.....	86	8.00
A. C. McClurg & Co., books.....	87	6.15
Chas. H. Cirkler, chemicals.....	88	35.83
Richards & Co., Limited, chemicals.....	89	23.80
Bausch & Lomb Optical Co., microscope.....	90	67.50
Ernst Leitz, microscope.....	91	221.15
Richter Bros., books.....	92	11.00
W. M. Simms, hardware.....	93	3.35
New England Furniture & Carpet Co., 30 stools.....	94	16.88
The Beard Art & Stationery Co., examination questions.....	95	100.17
The Minneapolis General Electric Co., electric lighting.....	99	.48
The Minneapolis General Electric Co., electric lighting.....	100	6.50
Minneapolis Gas Light Co., gas.....	101	24.27
J. B. Lippincott Co., book.....	102	5.00
The Minneapolis General Electric Co., electric lighting.....	103	6.35
The N. W. Telephone Exchange Co., service for September.....	104	6.00
The American Journal of Physiology, Volume VI.....	105	5.00
The University Book Store, books.....	107	42.15
Th. Stauffer, books.....	108	86.53
D. W. Sprague, accountant, freight, express, postage and extra help.....	109	253.51
St. Paul Free Dispensary, six months' use of hospital.....	110	400.00
The Pioneer Fuel Co., coal.....	168	14.92
Heywood Manufacturing Co., stationery.....	174	5.50
John A. Schlener & Co., stationery.....	180	.65
W. K. Morrison & Co., hardware.....	187	1.80

	No. Voucher.	Amount.
R. B. Thompson, lumber.....	189	32.33
Minneapolis Gas Light Co., gas.....	195	23.90
Minneapolis Photo Materials Co., films.....	197	2.97
The University Book Store, stationery.....	200	32.19
The Minneapolis General Electric Co., electric lighting.....	205	1.83
The Minneapolis General Electric Co., electric lighting.....	211	2.11
Noyes Bros. & Cutler, drugs.....	212	88.56
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	218	10.45
E. B. Meyrowitz, syringe and probes.....	222	7.00
Fairbanks, Morse & Co., scale supplies.....	223	2.50
W. S. Nott Co., packing.....	240	1.75
The Northwestern Lancet, advertising.....	241	60.00
The Beard Art & Stationery Co., 25 order books.....	242	5.00
Wm. Robinson, rabbits.....	243	10.33
Herman Schenck, extra work.....	244	17.50
Richards & Co., Limited, chemical apparatus.....	245	39.10
Fritz J. Young, feed.....	246	6.19
Chas. H. Cirkler, chemical supplies.....	247	373.18
C. W. Menelly, groceries.....	248	14.64
J. B. Massey, 18 surgeons' gowns.....	249	16.20
Bausch & Lomb Optical Co., physical apparatus.....	250	421.75
Boutell Bros., chairs.....	255	19.50
C. J. Hibbard, negatives of cultures.....	256	7.00
F. F. Westbrook, sundry disbursements.....	257	7.50
Great Western Wire & Iron Works, wire screen.....	258	9.00
W. M. Simms, hardware.....	259	48.72
The N. W. Telephone Exchange Co., services for October.....	264	8.80
Petty bills, miscellaneous supplies.....	265	32.20
D. W. Sprague, accountant, freight, express, postage and extra help.....	266	160.82
Fred J. Scott, printing.....	335	1.75
R. B. Thompson, lumber.....	340	1.28
Minneapolis Gas Light Co., gas.....	354	71.65
Noyes Bros. & Cutler, drugs.....	357	207.45
The Minneapolis General Electric Co., electric lighting.....	358	6.76
Bausch & Lomb Optical Co., physical apparatus.....	368	1.94
W. M. Simms, hardware.....	369	11.77
W. K. Morrison & Co., hardware.....	377	3.02
Edwin E. Howell, relief map of Vesuvius.....	379	10.00
Edwin R. Williams, draughting supplies.....	380	2.25
The University Book Store, stationery.....	398	7.60
The University Press, stationery.....	401	44.70
Wm. H. Armstrong & Co., surgical supplies.....	405	43.55
C. A. Erdman, skulls and skeletons.....	406	233.36
Wyman, Partridge & Co., dry goods.....	407	28.83
C. W. Menelly, groceries.....	408	55.71
The Journal of the American Medical Association, advertising.....	409	45.00
Crocker-Wheeler Co., journal box.....	410	12.80
The Minneapolis General Electric Co., electric lighting.....	411	4.33
Mrs. M. Braem, guinea pigs.....	412	8.00
St. Paul Medical Journal, advertising.....	413	60.00
Schulberg & Co., dog meat.....	414	7.70
Chas. H. Cirkler, drugs.....	415	47.81
Richards & Co., Limited, chemical apparatus.....	416	62.25
F. A. Davis Co., books.....	417	7.75
Minneapolis Stamp & Stencil Co., rubber stamps.....	418	5.00
John Kelly, plastering.....	419	7.50
Dr. Geo. Meyer, live animals.....	420	8.15
R. Alexander, two oak cases.....	421	62.50
A. W. Townsend, tin.....	422	17.00
Thomas G. Lee, sundry disbursements.....	423	17.20
Th. Stauffer, books.....	424	79.96
Lyman-Elie! Drug Co., drugs.....	425	50.11
J. O. Peterson, drugs.....	426	7.20
Chas. H. Cirkler, drugs.....	427	9.74
D. J. Carpenter, services as druggist.....	428	25.00
Boutell Bros., furniture.....	429	40.65
Brunsell Bros., installing transformer.....	430	12.00
Edwin A. Taylor, dispensary supplies.....	431	6.79
Minnesota Electric Co., dry batteries.....	432	13.00
Gugler Electric Manufacturing Co., changing bells and annunciator.....	433	6.00
Chas. H. Cirkler, surgical apparatus.....	434	27.55
Wm. H. Armstrong, surgical apparatus.....	435	9.50
J. W. George, service in laboratory.....	445	50.00
Herbert Coulton, service in laboratory.....	446	25.00
John A. Schlener & Co., compo books.....	447	.50
Petty bills, miscellaneous supplies.....	449	16.71

	No. Voucher.	Amount.
D. W. Sprague, accountant, freight, express, postage and extra help	450	194.52
The N. W. Telephone Exchange Co., service for November	453	6.75
F. J. Bomberger, service in laboratory	540	50.00
E. E. Olander, service in laboratory	541	25.00
The Minneapolis General Electric Co., electric lighting	542	6.67
The University Press, stationery	544	46.50
C. Eugene Riggs, M. D., microtome	548	70.00
W. T. Keener & Co., books	553	18.75
Noyes Bros. & Cutler, drugs	559	36.84
Hahn & Harmon, cards	560	5.50
John A. Schlener & Co., blotting pads	561	1.35
Fred J. Scott, printing	562	5.75
R. B. Thompson, lumber	563	16.39
Electrical Engineering Co., electrical supplies	564	6.38
W. M. Simms, hardware	565	4.36
North Star Printing Co., class leaflets	568	8.25
W. K. Morrison & Co., hardware	575	.31
Minneapolis Office & School Furniture Co., furniture	578	6.60
Minneapolis Photo Materials Co., photo materials	579	17.54
Lyman-Elie! Drug Co., drugs	584	72.08
Dr. James H. Dunn, surgical drawings	585	149.00
Wm. H. Armstrong & Co., grappling hooks	586	5.00
Minneapolis Gas Light Co., gas	588	81.92
Minneapolis Dry Goods Co., dry goods	589	4.00
Chas. H. Cirkler, physicians' supplies	595	51.52
Schulberg & Co., dog meat	596	6.35
Ernst Leitz, test tubes	598	97.20
Wm. Wood & Co., Volume III. Hand Book Medical Science	599	8.00
Bausch & Lomb Optical Co., watch glasses	601	6.75
F. F. Westbrook, sundry disbursements	606	5.62
A. C. McClurg & Co., books	607	7.70
C. W. Menelly, groceries	614	9.50
The Minneapolis General Electric Co., electric lighting	615	19.84
The N. W. Telephone Exchange Co., service for December	617	6.90
The University Book Store, stationery	630	1.20
D. W. Sprague, accountant, freight, express, postage and extra help	631	326.57
Brunsell Bros., work Free Dispensary Building	635	5.00
Petty bills, miscellaneous supplies	641	17.83
Minneapolis Gas Light Co., gas	700	79.87
W. K. Morrison & Co., hardware	701	1.66
Plumbing & Steamfitting Supplies Co., plumbing supplies	702	8.02
John A. Schlener & Co., rubber bands	713	1.80
The Minneapolis General Electric Co., electric lighting	714	8.48
Electrical Engineering Co., H. R. sheets	727	5.55
Noyes Bros. & Cutler, drugs, etc.	736	115.78
McDonald Bros., tumblers and kettles	737	10.28
The India Rubber Co., test tube caps	738	10.00
R. B. Thompson, lumber	739	7.83
C. W. Menelly, groceries	740	21.18
W. M. Simms, hardware	741	4.78
Fritz J. Young, feed	742	4.37
Witt's Meat Market, meat	743	5.75
Anna M. Lambert, guinea pigs	744	6.50
Anna M. Lambert, guinea pigs	745	11.00
R. H. Hegener, razors ground	746	5.20
John W. Thoms & Co., toweling	747	6.48
Harrison & Smith Co., Anatomical Record	748	12.50
W. T. Keener & Co., books	749	12.75
Twin City School Supply Co., blackboard	750	6.80
Simonson Bros. Manufacturing Co., drawers, etc.	751	6.00
Chas. H. Cirkler, physicians' supplies	756	22.97
Lyman-Elie! Drug Co., drugs	757	25.04
S. Marx White, services in laboratory	758	100.00
The University Press, stationery	760	5.00
The Minneapolis General Electric Co., electric lighting	766	27.05
D. W. Sprague, accountant, freight, express, postage and extra help	768	83.87
Petty bills, miscellaneous supplies	769	13.16
Brandow Printing Co., examination books	770	6.43
F. O. Boyd & Co., alcohol	771	44.65
Minneapolis Gas Light Co., gas	830	56.83
Minneapolis Gas Light Co., Eclipse heater	839	8.00
The University Press, stationery	844	21.63
Minneapolis Photo Materials Co., photo materials	854	17.25
John A. Schlener & Co., stationery	857	.25
The Minneapolis General Electric Co., electric lighting	858	2.00

	No. Voucher.	Amount.
Stoddard Hardware Co., hardware.....	864	10.35
W. M. Simms, hardware.....	869	7.63
The University Press, stationery.....	872	6.50
Electrical Engineering Co., electrical supplies.....	878	25.96
W. K. Morrison & Co., hardware.....	886	8.48
Chas. T. Leonard Co., opaque shades.....	887	28.77
The Munson Stationery Co., stationery.....	888	4.00
The Beard Art & Stationery Co., paper.....	889	5.60
Noyes Bros. & Cutler, drugs.....	892	181.11
The Journal of the American Medical Association, advertising.....	893	20.00
Gerda C. Anderson, stenographic work.....	894	6.50
Ernst Leitz, physical apparatus.....	896	135.00
Lea Brothers & Co., books.....	897	26.50
F. O. Boyd & Co., alcohol.....	898	12.93
Bausch & Lomb Optical Co., physical apparatus.....	899	76.61
F. F. Wesbrook, sundry disbursements.....	900	7.00
The University Book Store, books.....	901	30.80
R. Alexander, museum cases.....	902	321.07
Warner Hardware Co., hardware.....	903	108.90
The Plumbing & Steamfitting Supplies Co., plumbing supplies.....	904	8.71
Lyman-Ellie Drug Co., drugs.....	906	148.42
The Minneapolis General Electric Co., electric lighting.....	907	18.34
F. O. Boyd & Co., alcohol.....	908	22.73
Brandow Printing Co., blue books.....	909	3.58
American Linen Supply Co., linen.....	910	191.51
McNeill & Elander, printing.....	911	13.50
Petty bills, miscellaneous supplies.....	917	59.21
D. W. Sprague, accountant, freight, express, postage and extra help.....	918	224.32
The N. W. Telephone Exchange Co., service January and February.....	919	12.00
R. B. Thompson, lumber.....	1005	2.25
W. M. Simms, hardware.....	1007	13.74
Electrical Engineering Co., electrical supplies.....	1017	5.61
Janney, Sempie, Hill & Co., hardware.....	1020	7.76
Twin City Iron Works, castings.....	1024	4.80
A. J. Kregar, work.....	1031	11.80
The University Book Store, stationery.....	1032	15.58
Forman, Ford & Co., laboratory supplies.....	1034	6.94
Gugler Electric Manufacturing Co., voltameter, etc.....	1040	32.20
C. W. Menelly, groceries.....	1041	23.29
Thomas G. Lee, sundry disbursements.....	1042	24.00
Wyman, Partridge & Co., dry goods.....	1043	11.03
Noyes Bros. & Cutler, drugs.....	1044	184.22
The Heinrich Clothing Co., 12 coats.....	1045	18.00
Simonson Bros. Manufacturing Co., door frame.....	1046	18.00
W. K. Morrison & Co., hardware.....	1047	4.17
Twin City School Supply Co., crayons.....	1051	3.12
Witt's Meat Market, meat.....	1052	15.63
The Pioneer Fuel Co., coal.....	1053	23.98
R. Alexander, furniture.....	1054	20.00
E. H. Sargent & Co., fermentation tubes.....	1059	7.50
The John Leslie Paper Co., paper.....	1061	5.15
The University Press, stationery.....	1063	19.50
Ernst Leitz, slide boxes.....	1065	15.00
The University Press, stationery.....	1066	16.75
F. Friedlander & Sohn, books.....	1074	25.15
The American Journal of Anatomy, Volume I.....	1090	5.00
Minneapolis Gas Light Co., gas.....	1091	67.69
N. W. Telephone Exchange Co., service for March.....	1092	6.00
Petty bills, miscellaneous supplies.....	1094	19.06
D. W. Sprague, accountant, freight, express, postage and extra help.....	1095	139.95
The Minneapolis General Electric Co., electric lighting.....	1097	10.31
The American Journal of Physiology, Volume VII.....	1098	5.00
The Minneapolis General Electric Co., electric lighting.....	1099	2.36
The Pioneer Fuel Co., coal.....	1172	10.65
Noyes Bros. & Cutler, drugs.....	1173	247.81
Minneapolis Gas Light Co., gas.....	1175	68.77
The University Press, stationery.....	1176	77.50
Fred J. Scott, printing.....	1177	1.75
W. K. Morrison & Co., hardware.....	1190	7.87
Glessner & Washburn, chairs.....	1200	1.70
Electrical Engineering Co., electrical supplies.....	1201	5.97
R. B. Thompson, lumber.....	1202	24.44
The University Book Store, books.....	1211	134.42
J. Rollin Slonaker, slides and eye sections.....	1217	42.35
The Plant Rubber Co., screw tips.....	1218	7.57



## UNIVERSITY BOARD OF REGENTS.

97

	No. Voucher.	Amount.
Charles H. Ward, brain models.....	1219	45.00
Ernst Leitz, sterilizer and pasteboard boxes.....	1220	67.62
Bausch & Lomb Optical Co., physical apparatus.....	1221	13.86
The Minneapolis General Electric Co., electric lighting.....	1225	.57
The N. W. Telephone Exchange Co., service for April.....	1226	8.00
H. T. Eddy, three lectures on hygiene.....	1230	30.00
St. Paul Free Dispensary, six months' use of hospital.....	1231	400.00
Merton Field, services anatomical laboratory.....	1232	50.00
The Housekeeper, set anatomical tools.....	1233	15.00
G. Schmidt, pathological specimen photos.....	1234	9.00
F. F. Wesbrook, sundry disbursements.....	1235	11.80
The Munson Stationery Co., stationery.....	1236	6.75
F. F. Wesbrook, poplar trays.....	1237	7.80
E. H. Sargent & Co., baskets.....	1238	22.80
Gugler Electric Manufacturing Co., X-ray tube.....	1239	10.50
Chas. E. Rounds, stenography.....	1240	30.00
Anna M. Lambert, guinea pigs.....	1241	6.70
Schulberg & Co., dog meat.....	1242	9.65
C. W. Menelly, groceries.....	1243	15.42
C. A. Smith Lumber Co., sawdust.....	1244	10.00
Geneva Optical Co., stereopticon.....	1245	134.00
Chas. H. Cirkler, physicians' supplies.....	1250	31.92
American Vulcanized Fibre Co., white rods.....	1252	30.62
John Shaw & Co., arseniate of soda.....	1253	45.60
W. B. Saunders & Co., books.....	1254	23.50
Elmer & Amend, polariscope.....	1255	128.93
The Minneapolis General Electric Co., electric lighting.....	1257	9.92
John H. Fouch, photo materials.....	1278	2.10
Petty bills, miscellaneous supplies.....	1282	21.31
D. W. Sprague, accountant, freight, express, postage and extra help.....	1283	306.19
The Pioneer Fuel Co., coal.....	1353	19.95
Minneapolis Gas Light Co., gas.....	1354	91.78
The John Leslie Paper Co., paper.....	1360	20.10
E. P. Leland, printing.....	1362	12.00
Bausch & Lomb Optical Co., covers.....	1371	7.79
Janney, Semple, Hill & Co., copper, etc.....	1381	2.30
Edwin R. Williams, bands.....	1407	4.20
Noyes Bros. & Cutler, drugs.....	1409	212.97
W. M. Simms, hardware.....	1412	1.82
H. C. Arey, services in pathological and bacteriological laboratory.....	1413	20.00
Gardner Hardware Co., work on padlocks.....	1414	12.50
Minneapolis Stamp & Stencil Co., stencil supplies.....	1415	6.40
Hahn & Harmon, labels.....	1416	10.00
C. A. Erdman, sundry disbursements.....	1418	31.27
C. W. Menelly, groceries.....	1419	19.75
William Wood & Co., one set studies sheet.....	1420	30.00
Lea Brothers & Co., books.....	1421	6.50
Bausch & Lomb Optical Co., physical apparatus.....	1422	33.37
U. S. Mailing Case Co., 300 cases.....	1423	10.50
Boston Medical and Surgical Journal, subscription for 1901.....	1424	10.00
F. O. Boyd & Co., alcohol.....	1425	40.98
The Journal of the American Medical Association, advertising.....	1427	20.00
Mrs. Vanche Bishop, clerical services.....	1428	70.00
Mrs. M. Braem, guinea pigs.....	1430	8.00
E. H. Sargent & Co., haemometer.....	1431	17.50
Sharp & Smith, cabinet.....	1432	78.62
Dr. J. C. Ferguson, material for laboratory.....	1433	25.00
A. Alexander, case of drawers.....	1434	12.00
Herbert Coulter, services laboratory of histology.....	1435	25.00
Walter Brown, services laboratory of pathology and bacteriology.....	1436	15.00
A. J. Dahl & Co., books.....	1437	60.00
W. H. Kirchner, diagrams diphtheria.....	1438	11.50
The University Press, stationery.....	1439	2.50
Wyman, Partridge & Co., cotton cloth.....	1440	13.77
The University Book Store, stationery.....	1441	10.68
The University Book Store, stationery and books.....	1442	27.94
Heywood Manufacturing Co., envelopes.....	1443	7.00
The Beard Art & Stationery Co., mounting 13 charts.....	1444	7.50
R. M. Chapman, groceries.....	1445	7.05
The Ka-Korser-Ko, Limited, negatives and slides.....	1446	19.70
The Munson Stationery Co., paper.....	1447	16.25
Fritz J. Young, feed.....	1448	6.35
J. B. & C. T. Moffett, enamel, etc.....	1449	5.25
John T. Barnum, post mortem case.....	1450	10.00
Gerda C. Anderson, stenographic work.....	1451	10.40

	No. Voucher.	Amount.
E. E. Olander, services in laboratory of histology.....	1452	25.00
R. B. Thompson, lumber.....	1453	11.40
James W. George, services in histology and embryology.....	1454	50.00
James W. George, services in histology and embryology.....	1455	50.00
W. K. Morrison & Co., hardware.....	1460	3.35
Lyman-Elliel Drug Co., drugs.....	1461	.36
O. H. Peck & Co., photo materials.....	1462	1.95
J. A. Cameron, services in anatomical laboratory.....	1463	50.00
Longman, Green & Co., books.....	1464	7.61
Thos. G. Lee, sundry disbursements.....	1465	26.47
A. G. Liedloff, services in pathological and bacteriological laboratory.....	1466	20.00
William B. McCreery, services in anatomy.....	1467	50.00
F. J. Bamberger, services in histology.....	1468	50.00
Thos. G. Lee, sundry disbursements.....	1469	15.15
The Minneapolis General Electric Co., electric lighting.....	1470	2.47
F. F. Wesbrook, sundry disbursements.....	1472	4.30
Edward S. Judd, services laboratory of pathology and bacteriology.....	1475	15.00
Animal Trap Co., traps.....	1476	9.00
Irving C. Macdonald, services in surgical pathology.....	1478	100.00
Ellen Fullerton, services in pathology and bacteriology.....	1479	20.00
John W. Bell, paid for class demonstration.....	1482	13.00
Th. Stauffer, books.....	1484	107.14
Parks Ritchie, cash for Medical and Surgical Register.....	1504	11.00
Petty bills, miscellaneous supplies.....	1507	28.46
American Linen Supply Co., linen.....	1508	33.58
American Linen Supply Co., linen.....	1509	31.80
D. W. Sprague, accountant, freight, express, postage and extra help.....	1511	219.78
The Pioneer Fuel Co., coal.....	1560	12.32
W. K. Morrison & Co., hardware.....	1561	4.78
N. W. Telephone Exchange Co., services for May.....	1562	12.40
Minneapolis Gas Light Co., gas.....	1563	52.27
The University Press, printing.....	1572	14.25
O. H. Peck & Co., photo materials.....	1576	2.60
W. M. Simms, hardware.....	1579	4.80
Noyes Bros. & Cutler, drugs.....	1584	106.19
Janney, Semple, Hill & Co., hardware.....	1593	3.55
The University Book Store, books.....	1604	94.00
M. R. Wilcox, expenses to Animal Farm.....	1605	9.40
S. Marx White, M. D., services in clinical microscopy.....	1606	100.00
Hahn & Harmon, 5,000 cards.....	1607	5.25
R. Alexander, book cases.....	1608	167.50
A. H. Beebe, histological and embryological materials.....	1609	67.65
W. T. Keener & Co., books.....	1610	40.80
Schulenberg & Co., meat for dogs.....	1611	11.50
Electrical Engineering Co., phones.....	1612	36.50
C. W. Menelly, groceries.....	1613	15.73
Edwin A. Taylor, sundry disbursements.....	1617	6.46
Chas. H. Cirkler, drugs.....	1618	17.08
Library Bureau, cards.....	1621	21.37
Liquid Carbonic Acid Manufacturing Co., liquid gas.....	1623	2.50
Bausch & Lomb Optical Co., microscope.....	1626	67.50
William Wood & Co., Handbook Medical Science, Volume IV.....	1633	8.00
W. B. Saunders & Co., book.....	1634	7.00
Eimer & Amend, reagent bottles.....	1635	256.86
Parks Ritchie, expense Saratoga meeting.....	1636	58.00
Parks Ritchie, expense of Dr. Quine of Chicago.....	1637	25.00
Twin City Telephone Co., rent of telephone.....	1641	11.10
The Minneapolis General Electric Co., electric lighting.....	1645	1.24
Buchhandlung, Gustav Fock, books.....	1647	58.66
W. G. Pye & Co., physical apparatus.....	1649	271.71
The Minneapolis General Electric Co., electric lighting.....	1653	13.87
Petty bills, miscellaneous supplies.....	1664	18.40
D. W. Sprague, accountant, freight, express, postage and extra help.....	1669	187.08
The Minneapolis General Electric Co., electric lighting.....	1670	7.49
N. W. Telephone Exchange Co., service for July.....	1672	6.00
Lyman-Elliel Drug Co., drugs.....	1730	6.00
The Ozonet Co., ozonet.....	1734	26.50
John A. Schlener & Co., stationery.....	1740	3.60
Minnesota Alumni Weekly, advertising.....	1744	4.00
Beard Art & Stationery Co., stationery.....	1753	13.75
Edwin R. Williams, draughting supplies.....	1758	1.55
W. K. Morrison & Co., hardware.....	1760	6.43
Anna M. Lambert, 30 guinea pigs.....	1762	15.00
Yerxa Bros. & Co., carrots.....	1763	7.50

	No. Voucher.	Amount.
Boutell Bros., mattress made over.....	1764	3.50
Fritz J. Young, feed.....	1765	4.76
Lyman-Eliel Drug Co., drugs.....	1766	.63
Sharp & Smith, wheel table, etc.....	1768	38.00
O. H. Peck Co., miniatures.....	1769	1.45
Noyes Bros. & Cutler, drugs.....	1770	57.74
Ernst Leitz, boxes.....	1771	35.00
R. B. Thompson, lumber.....	1772	35.05
Eimer & Amend, reagent bottles.....	1775	35.14
The University Book Store, books.....	1780	89.70
Minneapolis Gas Light Co., gas.....	1781	26.92
The Minneapolis General Electric Co., electric lighting.....	1782	.02
Miss Ellen Forelle, charts for histology and embryology.....	1786	6.50
Th. Stauffer, books.....	1788	52.87
D. W. Sprague, accountant, freight, express, postage and extra help.....	1796	49.87
Petty bills, miscellaneous supplies.....	1797	4.92
The Minneapolis General Electric Co., electric lighting.....	1840	.02
Minneapolis Gas Light Co., gas.....	1842	27.29
Stremel Bros., lining grip.....	1845	5.55
Paul B. Hoeber, books.....	1846	10.80
F. F. Wesbrook, sundry disbursements.....	1849	5.15
Petty bills, miscellaneous supplies.....	1850	2.74
D. W. Sprague, accountant, freight, express, postage and extra help.....	1851	131.36
<b>Total</b> .....		<b>\$48,822.94</b>

**THE COLLEGE OF HOMEOPATHIC MEDICINE AND SURGERY.**

**CURRENT EXPENSE.**

	No. Voucher.	Amount.
Alonzo P. Williamson, dean.....	...	\$500.00
William E. Leonard, professor.....	...	400.00
George E. Clark, professor.....	...	300.00
George E. Ricker, professor.....	...	300.00
B. Harvey Ogden, professor.....	...	300.00
Minneapolis Pharmacy Co., drugs.....	27	8.83
Chas. H. Cirkler, medical supplies.....	42	11.71
Y. M. C. A. of U. of Minn., advertising.....	46	8.00
Minneapolis Pharmacy Co., drugs.....	50	7.14
Magazine Publishing Co., advertising.....	57	25.00
Petty bills, miscellaneous supplies.....	58	1.10
Chas. H. Cirkler, chemicals.....	58	5.80
Minneapolis Gas Light Co., gas.....	195	2.34
Chas. H. Cirkler, chemical supplies.....	247	13.48
Minneapolis Pharmacy Co., drugs.....	254	5.30
Petty bills, miscellaneous supplies.....	265	14.04
Minneapolis Gas Light Co., gas.....	354	6.58
Boutell Bros., furniture.....	429	3.75
Boutell Bros., one shade.....	439	1.25
Andrus Building Pharmacy, vials.....	440	5.00
Chas. H. Cirkler, physicians' supplies.....	441	16.57
Petty bills, miscellaneous supplies.....	449	8.21
Minneapolis Pharmacy Co., drugs.....	571	12.05
Hegna Dry Goods Co., dry goods.....	583	10.62
Minneapolis Gas Light Co., gas.....	588	8.80
Chas. H. Cirkler, physicians' supplies.....	595	5.70
The Minneapolis General Electric Co., electric lighting.....	615	2.56
Petty bills, miscellaneous supplies.....	641	1.50
Minneapolis Gas Light Co., gas.....	700	7.20
Andrus Building Pharmacy, vials.....	752	5.00
Minneapolis Gas Light Co., gas.....	830	7.56
The Minnesota Daily, advertising.....	837	20.00
W. S. Nott Co., gauge glass.....	843	.20
Andrus Building Pharmacy, vials.....	890	6.00
Minneapolis Pharmacy Co., drugs.....	905	17.29
The Minneapolis General Electric Co., electric lighting.....	907	2.14
American Linen Supply Co., linen.....	910	33.19
Petty bills, miscellaneous supplies.....	917	5.85
Whittlesey Gas & Electric Fixture Co., bracket.....	1037	6.75
Minneapolis Pharmacy Co., drugs.....	1039	15.17

	No. Voucher.	Amount.
Minneapolis Gas Light Co., gas.....	1091	8.02
N. W. Telephone Exchange Co., service December, January and February .....	1093	6.90
The Minneapolis General Electric Co., electric lighting.....	1097	1.94
Minneapolis Gas Light Co., gas.....	1175	8.22
Thomas K. Gray, drugs.....	1196	2.70
Chas. H. Cirkler, chemicals.....	1250	13.61
Petty bills, miscellaneous supplies.....	1282	7.60
Minneapolis Gas Light Co., gas.....	1354	5.82
Fred J. Scott, printing.....	1355	5.00
The John Leslie Paper Co., paper.....	1360	2.50
Minneapolis Pharmacy Co., drugs.....	1429	16.49
Petty bills, miscellaneous supplies.....	1507	5.05
American Linen Supply Co., linen.....	1508	3.17
American Linen Supply Co., linen.....	1509	3.18
Minneapolis Gas Light Co., gas.....	1563	6.40
Minneapolis Pharmacy Co., drugs.....	1616	16.30
Chas. H. Cirkler, drugs.....	1618	1.50
The 1903 Gopher, advertising.....	1620	15.00
Petty bills, miscellaneous supplies.....	1654	2.33
Minneapolis Pharmacy Co., drugs.....	1667	8.10
Minneapolis Gas Light Co., gas.....	1781	1.50
D. W. Sprague, accountant, freight, express, postage and extra help .....	1796	10.00
Petty bills, miscellaneous supplies.....	1797	.90
Minneapolis Gas Light Co., gas.....	1842	.92
Minneapolis Pharmacy Co., drugs.....	1843	11.38
Petty bills, miscellaneous supplies.....	1850	3.30
Total .....		\$2,278.83

### THE COLLEGE OF DENTISTRY.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
William P. Dickinson, dean.....		\$1,800.00
Oscar A. Weiss, professor.....		1,500.00
Alfred Owre, instructor.....		1,500.00
Thomas E. Hartzell, professor.....		750.00
Chas. A. Van Duzee, instructor.....		1,200.00
Hugh M. Reid, instructor.....		1,100.00
James O. Wells, instructor.....		800.00
E. Franklyn Hertz, instructor.....		800.00
Frank R. Wright, instructor.....		450.00
Mary V. Hartzell, instructor.....		300.00
John Irwin, storekeeper.....		450.00
Y. M. C. A. of U. of Minn., advertising.....	46	5.00
The University Press, stationery.....	182	10.00
W. K. Morrison & Co., hardware.....	187	12.05
R. B. Thompson, lumber.....	189	6.39
Lyman-Elie! Drug Co., drugs.....	194	27.46
Minneapolis Gas Light Co., gas.....	195	4.68
Jas. T. Ingersoll, teeth.....	251	346.00
Marshall-Shafer-Pierce Co., dental supplies.....	252	38.79
M. F. Patterson, dental supplies.....	253	66.38
Minneapolis Gas Light Co., gas.....	354	13.16
The Plumbing and Steamfitting Supplies Co., plumbing materials.....	355	1.22
The University Press, stationery.....	401	10.50
Lyman-Elie! Drug Co., drugs.....	425	9.00
Jas. T. Ingersoll, teeth.....	442	70.25
M. F. Patterson, dental supplies.....	443	313.42
Marshall-Shafer-Pierce Co., dental supplies.....	444	79.49
Marshall-Shafer-Pierce Co., dental supplies.....	573	175.59
M. F. Patterson, dental supplies.....	574	173.61
Minneapolis Gas Light Co., gas.....	588	17.60
Minneapolis Gas Light Co., gas.....	700	14.40
M. F. Patterson, dental supplies.....	753	61.79
Marshall-Shafer-Pierce Co., dental supplies.....	754	5.98
Jas. T. Ingersoll, dental supplies.....	755	26.90
Lyman-Elie! Drug Co., drugs.....	757	2.35
Minneapolis Gas Light Co., gas.....	830	12.00
American Linen Supply Co., linen.....	910	15.16
Electrical Engineering Co., wire.....	1017	9.22
Lyman-Elie! Drug Co., drugs.....	1033	12.10
M. F. Patterson, dental supplies.....	1035	400.85
Marshall-Shafer-Pierce Co., dental supplies.....	1038	331.28

	No. Voucher.	Amount.
W. K. Morrison & Co., hardware.....	1047	1.95
The University Daily, advertising.....	1048	20.00
The University Press, stationery.....	1066	11.00
Minneapolis Gas Light Co., gas.....	1091	16.04
Petty bills, miscellaneous supplies.....	1094	4.60
Minneapolis Gas Light Co., gas.....	1175	16.44
W. K. Morrison & Co., hardware.....	1190	2.00
M. F. Patterson, dental supplies.....	1247	233.42
Marshall-Shafer-Pierce Co., dental supplies.....	1248	123.51
Flour City Ornamental Iron Works, counter railing.....	1249	35.00
Jas. T. Ingersoll, dental materials.....	1279	59.89
Minneapolis Gas Light Co., gas.....	1354	11.64
The John Leslie Paper Co., paper.....	1360	6.25
American Linen Supply Co., linen.....	1508	1.54
American Linen Supply Co., linen.....	1509	1.54
Minneapolis Gas Light Co., gas.....	1563	12.80
M. F. Patterson, dental supplies.....	1615	252.25
Marshall-Shafer-Pierce Co., dental supplies.....	1619	277.33
Lyman-Ellel Drug Co., drugs.....	1730	6.19
Minneapolis Gas Light Co., gas.....	1781	3.00
Minneapolis Gas Light Co., gas.....	1842	1.84
Total .....		\$14,020.83

## THE COLLEGE OF PHARMACY.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Frederick J. Wulling, dean.....		\$2,400.00
Bernhard L. Leubner, instructor.....		750.00
Frederick K. Butters, instructor.....		585.00
Frank Colburn, janitor.....		177.50
Y. M. C. A. of U. of Minn., advertising.....	46	5.00
W. L. Brown, manager, advertising.....	60	5.00
Minneapolis Gas Light Co., gas.....	101	2.73
Minneapolis Gas Light Co., gas.....	195	2.56
The University Book Store, stationery.....	200	4.00
Noyes Bros. & Cutler, drugs.....	212	8.74
D. W. Sprague, accountant, freight, express, postage and extra help.....	266	.25
Minneapolis Gas Light Co., gas.....	354	7.49
Noyes Bros. & Cutler, drugs.....	357	12.39
Lyman-Ellel Drug Co., drugs.....	425	20.32
Emil Borgmann, books.....	436	25.00
Spatula Publishing Co., books.....	437	5.00
The Northwestern Druggist, advertising.....	438	36.00
Petty bills, miscellaneous supplies.....	449	2.50
The Pioneer Fuel Co., coal.....	538	.....
Noyes Bros. & Cutler, drugs.....	559	15.93
Minneapolis Gas Light Co., gas.....	588	6.64
Simonson Bros. Manufacturing Co., lecture table.....	594	35.00
Frederick J. Wulling, sundry disbursements.....	616	75.62
D. W. Sprague, accountant, freight, express, postage and extra help.....	631	4.64
Minneapolis Gas Light Co., gas.....	700	6.89
D. W. Sprague, accountant, freight, express, postage and extra help.....	768	3.38
F. O. Boyd & Co., alcohol.....	711	22.33
Minneapolis Gas Light Co., gas.....	830	4.37
Richards & Co., Limited, dishes.....	885	10.15
Western Publishing House, book.....	891	12.50
Noyes Bros. & Cutler, drugs.....	892	16.53
Elijah J. Molloy, white filters.....	895	11.25
Lyman-Ellel Drug Co., drugs.....	906	7.62
The Minneapolis General Electric Co., electric lighting.....	907	.....
American Linen Supply Co., linen.....	910	9.90
D. W. Sprague, accountant, freight, express, postage and extra help.....	918	2.60
The University Book Store, stationery.....	1032	13.62
Lyman-Ellel Drug Co., drugs.....	1033	8.15
New England Furniture & Carpet Co., stools.....	1036	10.50
Noyes Bros. & Cutler, drugs.....	1044	81.87
The Minnesota Daily, advertising.....	1048	20.00
Lehn, & Fink, drugs.....	1071	46.84
Elmer & Amend, bottles and crucibles.....	1072	6.14

	No. Voucher.	Amount.
Minneapolis Gas Light Co., gas.....	1091	4.01
Petty bills, miscellaneous supplies.....	1094	3.58
Noyes Bros. & Cutler, drugs.....	1173	4.90
Minneapolis Gas Light Co., gas.....	1175	4.61
Lyman-Elie! Drug Co., drugs.....	1227	10.02
O. P. Kotling, tinting and varnishing.....	1246	28.00
D. W. Sprague, accountant, freight, express, postage and extra help.....	1283	2.14
Minneapolis Gas Light Co., gas.....	1354	5.38
The John Leslie Paper Co., paper.....	1360	2.50
Noyes Bros. & Cutler, drugs.....	1409	84.34
Emil Borgmann, books.....	1417	36.00
N. P. Dahlin, binding.....	1426	15.25
Lyman-Elie! Drug Co., drugs.....	1461	9.78
D. W. Sprague, accountant, freight, express, postage and extra help.....	1511	2.83
Minneapolis Gas Light Co., gas.....	1563	3.17
Noyes Bros. & Cutler, drugs.....	1584	17.42
The University Book Store, stationery.....	1604	10.42
Geo. Douglas Head, M. D., services in clinic microscopy.....	1614	135.00
Yawman & Erbe Manufacturing Co., bookcase sections.....	1622	18.00
Frederick J. Wulling, sundry disbursements.....	1638	59.57
Frederick J. Wulling, paid for clerical services.....	1639	100.00
Chas. H. Zander, services in Pharmacy.....	1642	14.00
Lyman-Elie! Drug Co., drugs.....	1730	13.71
Minneapolis Gas Light Co., gas.....	1781	3.62
Minneapolis Gas Light Co., gas.....	1842	3.55
The Northwestern Druggist, advertising.....	1844	36.00
Total .....		\$5,109.53

## SCHOOL OF AGRICULTURE.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
William M. Liggett, dean.....		\$2,000.04
John A. Vye, secretary.....		750.00
W. M. Hays, professor.....		.....
Frederick D. Tucker, principal.....		1,800.00
Charles R. Aldrich, instructor.....		600.00
William Robertson, instructor.....		999.98
J. M. Drew, instructor.....		1,050.00
E. W. Mahood, instructor.....		900.00
J. L. Shepperd, instructor.....		720.00
Margaret Blair, instructor.....		700.00
Virginia C. Meredith, preceptress.....		1,500.00
Charles F. Keyes, instructor.....		600.00
Sophie M. Pendergast, instructor.....		900.00
Grace B. Whitridge, instructor.....		180.00
Mary L. Bull, instructor.....		360.00
John A. Hummel, instructor.....		200.04
Isabel D. Parker, instructor.....		360.00
Kate Oliver, stenographer.....		720.00
Christian Anderson, janitor.....		720.00
William Boss, engineer.....		565.55
Assistants and laborers.....		6,060.57
Students' payrolls.....		953.27
H. F. Bender, treasurer, fire alarm telegraph.....	115	125.00
H. Crawford, 40 book covers.....	117	5.00
Henry W. Howling, mounting animals.....	121	15.50
W. K. Morrison & Co., hardware.....	131	.70
C. W. Meneilly, groceries.....	132	9.28
Northwestern Fuel Co., coal.....	137	609.95
J. A. Vye, secretary, sundry disbursements.....	165	52.50
Louis Bentsen, papering.....	270	6.50
Wm. Donaldson & Co., settee and three chairs.....	273	48.50
Eagle Printing Co., printing.....	275	95.60
Forman, Ford & Co., paint materials.....	279	6.44
General Electric Co., electric supplies.....	280	26.67
P. Howard, painting buggy.....	285	13.75
Janney, Semple, Hill & Co., hardware.....	287	42.72
Kayeer & Co., papering.....	288	8.55
The John Leslie Paper Co., paper.....	291	10.24
The John Leslie Paper Co., paper.....	292	5.47
Munson Stationery Co., stationery.....	295	17.63
W. K. Morrison & Co., hardware.....	297	10.75

	No. Voucher.	Amount.
Minneapolis Iron Store Co., hardware.....	302	3.92
Minneapolis Gas Light Co., gas supplies.....	303	2.97
New England Furniture & Carpet Co., settee.....	307	12.00
North Star Steam Dye Works, cleaning curtains.....	309	5.50
O'Gara, King & Co., coal.....	310	305.28
S. E. Olson Co., chairs and curtains.....	311	15.40
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	312	25.24
J. A. Vye, secretary, sundry disbursements.....	327	150.93
Adolph Polnier, brooms.....	328	32.57
Butler, Sheldon & Co., 50 copies "Physics".....	463	50.00
Beard Art & Stationery Co., four pictures.....	464	11.00
American Book Co., 25 Curtis manuales.....	466	13.20
Boutell Bros., mat and sweeper.....	467	9.00
The Chemical Furnishing Co., 135 copies dairying books.....	468	135.00
Columbia Shade Cloth Co., shades.....	471	17.06
Wm. Donaldson & Co., rattan chair.....	474	9.75
Dearborn Drug & Chemical Works, boiler compound and oil.....	475	25.93
Eagle Printing Co., stationery.....	477	4.50
Field, Schilck & Co., dry goods.....	479	14.52
Forman, Ford & Co., machine oil, etc.....	480	3.35
Frank W. Greaves & Co., maple squares.....	481	11.70
Howard, Farwell & Co., rent and tuning of piano.....	484	6.00
D. C. Heath & Co., 50 algebras.....	488	37.50
Longmans, Green & Co., 15 "Taming of Shrew".....	493	4.64
W. M. Liggett, one-half expense trip to Washington.....	495	42.25
The Macmillan Co., six "Jordan Animals".....	499	8.15
W. K. Morrison & Co., hardware.....	501	1.73
Minneapolis Iron Store Co., hardware.....	502	71.10
Minneapolis Dry Goods Co., blankets and spread.....	507	9.48
S. E. Olson Co., dry goods.....	508	7.85
Phoenix Chair Co., five dozen chairs.....	509	35.00
Winfield C. Porter, four dozen lantern slides.....	510	20.00
John A. Schlener & Co., stationery.....	515	3.40
Singer Manufacturing Co., sewing machine.....	516	25.00
Fred J. Scott, 1,500 jackets.....	517	4.25
Standard Oil Co., three oil stoves and oven.....	519	17.00
Wilcox & Gibbs S. M. Co., automatic machine (balance).....	525	45.00
Webb Publishing Co., 100 books on Breeds.....	526	97.05
Wyckoff, Seamans & Benedict, typewriter supplies.....	528	3.92
Wheeler & Wilcox Manufacturing Co., one machine.....	531	23.00
White Sewing Machine Co., one machine (balance).....	532	20.00
Edwin R. Williams, draughting supplies.....	534	12.93
St. Anthony Hardware Co., hardware.....	535	12.87
Boutell Bros., 54 maple chairs.....	644	108.00
Crucible Steel Co., crescent tools.....	648	15.62
H. L. Collins Co., stationery.....	651	10.50
Ollver Ditson Co., 200 patriotic songs.....	652	80.00
Eagle Printing Co., printing.....	655	8.00
C. L. Fisk, 12 warehouse brooms.....	656	4.50
Ginn & Co., books.....	660	234.18
W. K. Morrison & Co., hardware.....	665	7.43
Metropolitan Music Co., three bugles.....	667	9.00
Minnesota Soap Co., 274 pounds fig soap.....	668	14.39
Minneapolis Office & School Furniture Co., slate blackboard.....	669	5.00
Minneapolis Iron Store Co., hardware.....	670	25.31
The Macmillan Co., 38 grammars.....	672	19.50
N. W. Compo Board Co., blackboards.....	675	10.44
St. Anthony Hardware Co., hardware.....	683	2.70
St. Anthony Furniture Co., furniture.....	684	15.00
J. A. Vye, secretary, sundry disbursements.....	689	131.67
J. A. Vye, secretary, sundry disbursements.....	690	48.27
J. A. Vye, secretary, delegation dinners.....	691	18.00
Western Display Co., signs, State Fair Grounds.....	692	4.50
The John Leslie Paper Co., paper.....	696	48.15
American Gardening, subscription.....	772	7.00
Alfred Andresen & Co., spinning wheel, etc.....	774	5.00
Brooks Bros., lumber.....	776	41.70
Bramblett & Beygen, photo.....	778	4.35
Eagle Printing Co., printing.....	785	46.75
Electrical Engineering Co., electrical supplies.....	786	10.02
Farm, Stock & Home Co., 100 "Fruit Growing".....	787	30.00
Field, Schilck & Co., dry goods.....	790	5.24
C. W. Gray Printing Co., circulars.....	791	5.40
Howard, Farwell & Co., rent of piano two months.....	792	8.00
Janney, Semple, Hill & Co., hardware.....	794	7.15
Lyman-Eliel Drug Co., drugs.....	796	1.55
The John Leslie Paper Co., paper.....	797	13.45
Minneapolis Iron Store Co., steel.....	799	26.52
Mannheimer Bros., dry goods.....	800	10.94
W. K. Morrison & Co., hardware.....	802	2.11
Northern Machinery Co., two rip saws.....	806	4.75

	No. Voucher.	Amount.
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	808	9.09
Reichard & Pattee, steam supplies.....	809	14.10
St. Anthony Hardware Co., hardware.....	810	14.00
St. Paul Book & Stationery Co., fashion magazines.....	812	6.00
John A. Schlener & Co., stationery.....	813	9.61
Standard Foundry, Tupper grates (one-half).....	814	2.69
R. B. Thompson, lumber.....	817	67.30
E. B. Voorhees, secretary and treasurer, fees in Association Col- leges and Stations.....	818	15.00
J. A. Vye, secretary, sundry disbursements.....	824	14.37
American Book Co., books.....	923	89.46
The Chemical Publishing Co., 30 copies "Soils and Fertilizers".....	929	30.00
The Eagle Printing Co., blank books.....	935	54.18
Electrical Engineering Co., electrical supplies.....	936	7.80
Forman, Ford & Co., glass, etc.....	938	35.59
Henry Holt & Co., 35 "Chemistry".....	941	23.34
W. G. Johnson, work on cabinet.....	946	10.00
Janney, Semple, Hill & Co., hardware.....	947	2.86
W. W. Kimball Co., piano rent five months.....	950	20.00
John Leslie Paper Co., paper.....	952	6.50
Lyman-Ellet Drug Co., drugs.....	954	.90
W. K. Morrison & Co., hardware.....	956	10.31
Minneapolis Iron Store Co., hardware.....	958	95.49
Munson Stationery Co., stationery.....	959	7.11
R. A. Pike & Co., bone cutter.....	966	17.00
St. Anthony Hardware Co., hardware.....	971	1.45
John A. Schlener & Co., stationery.....	972	1.65
R. B. Thompson, oak.....	974	37.10
Twin City Telephone Co., telephone rent.....	977	6.00
Webb Publishing Co., books.....	978	108.05
Webb Publishing Co., books.....	979	22.50
Edwin R. Williams, draughting supplies.....	981	72.90
J. A. Vye, secretary, sundry disbursements.....	983	26.30
J. A. Vye, secretary, delegation dinners.....	984	28.00
J. A. Vye, secretary, sundry disbursements.....	986	10.47
W. G. Johnson, work on case.....	987	10.20
Allyn & Bacon, six "Rhetorics".....	1102	5.00
Chas. R. Aldrich, draughting supplies.....	1104	32.77
Bausch & Lomb Optical Co., 25 microscopes.....	1106	46.88
Boutell Bros., mattress and spring.....	1107	9.00
Brooks Bros., lumber.....	1108	121.10
A. H. Barber Manufacturing Co., ammonia.....	1110	26.94
Dearborn Drug & Chemical Works, one barrel oil.....	1114	22.65
Eagle Printing Co., class slips.....	1116	1.50
Forman, Ford & Co., glass.....	1118	4.47
E. C. Hall, 28 yards cement walk.....	1119	20.40
H. O. Hall, 26 9-40 yards cement walk.....	1120	20.98
Howard, Farwell & Co., piano rent two months.....	1123	8.00
Jones & Adams Co., coal.....	1124	97.65
Janney, Semple, Hill & Co., rope.....	1125	10.60
W. G. Johnson, work in Girls' Building.....	1126	3.40
John Leslie Paper Co., paper.....	1129	28.49
W. K. Morrison & Co., hardware.....	1135	7.21
Minneapolis Iron Store Co., steel.....	1136	13.36
McDonald Bros., 15 jars.....	1137	6.30
Northwestern Fuel Co., coal.....	1138	971.08
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1145	13.15
St. Anthony Hardware Co., hardware.....	1147	2.50
John A. Schlener & Co., stationery.....	1149	1.30
R. B. Thompson, lumber.....	1152	81.75
Twin City Telephone Co., rental.....	1153	6.00
The University Book Store, stationery.....	1154	7.39
Union Railway Storage Co., building material.....	1155	6.52
Webb Publishing Co., 20 "Study of Breeds".....	1158	19.60
Louis Dreka, diplomas.....	1163	90.00
D. W. Sprague, diploma ribbon.....	1164	9.92
D. W. Sprague, engrossing 70 diplomas.....	1165	35.00
Minneapolis Dry Goods Co., Roman chair.....	1166	5.00
M. M. Stiffey, sundry disbursements.....	1167	43.65
J. A. Vye, secretary, sundry disbursements.....	1168	74.08
J. A. Vye, secretary, sundry disbursements.....	1169	2.26
C. A. Brace, 9 3-20 yards cement walk.....	1289	7.32
S. E. Brace, Jr., & Co., five mattresses.....	1290	11.30
Brooks Bros., lumber.....	1294	13.75
City of St. Paul, taking patients at infirmary.....	1296	251.00
Danz Orchestra, music at commencement.....	1300	24.00
Forman, Ford & Co., glazing materials.....	1302	11.79
H. B. Hudson, assistance to Dean Liggett.....	1307	80.00
W. G. Johnson, work in meat house.....	1312	41.80
Lyman-Ellet Drug Co., drugs.....	1316	1.80
McClellan Paper Co., paper.....	1317	6.56



	No. Voucher.	Amount.
John Leslie Paper Co., paper.....	1318	17.61
Munson Stationery Co., stationery.....	1320	2.75
Mannheimer Bros., seven mattresses.....	1321	26.95
Minneapolis Iron Store Co., steel, etc.....	1322	25.05
Powers Mercantile Co., dry goods.....	1329	22.64
Plumbing & Steamfitting Supplies Co., valves, etc.....	1330	8.08
M. M. Steffey, labor and supplies.....	1332	12.20
Fred J. Scott, printing.....	1338	20.50
Twin City Telephone Co., line rental.....	1339	6.30
The University Book Store, two dictionaries.....	1341	17.10
American Grass Twine Co., 50½ yards matting.....	1514	11.11
Chas. R. Aldrich, bunting.....	1515	8.10
Eagle Printing Co., printing.....	1521	2.50
C. W. Gray, printing.....	1524	2.40
McClellan Paper Co., paper.....	1537	6.30
Twin City Telephone Co., line rental.....	1551	6.00
Webb Publishing Co., stationery.....	1554	26.75
J. A. Vye, secretary, sundry disbursements.....	1557	28.68
Beard Art & Stationery Co., framed picture.....	1681	8.50
Drainage Journal, five copies.....	1684	10.00
Hoard's Dairyman, five bound volumes.....	1691	15.00
Northwestern Fuel Co., coal.....	1705	926.08
W. S. Nott Co., three fire extinguishers.....	1708	36.00
Luther Tucker & Son, five volumes "Country Gentleman".....	1718	17.50
Twin City Telephone Co. rental.....	1721	6.00
Wyckoff, Seamans & Benedict, typewriter.....	1726	92.25
J. A. Vye, secretary, sundry disbursements.....	1728	11.65
Farwell, Ozmun, Kirk & Co., hardware.....	1803	6.45
The Macmillan Co., Volumes III. and IV., Cyclopeda.....	1810	10.00
Northwestern Fuel Co., coal.....	1814	87.61
Twin City Telephone Co. rental.....	1822	6.00
The University Book Store, books.....	1823	2.60
J. A. Vye, secretary, sundry disbursements.....	1827	68.05
Brooks Bros., lumber.....	1852	12.03
Currier & Ballentine, 3,000 circulars.....	1856	22.00
Forman, Ford & Co., painters' supplies.....	1862	10.11
The John Leslie Paper Co., paper.....	1870	10.37
John A. Schlener & Co., stationery.....	1884	2.75
Wishart & Hanson, work on Dairy Building.....	1888	16.55
Bramblett & Beygeh, photos.....	1895	8.97
C. W. Gray Printing Co., printing.....	1898	3.30
Wyckoff, Seamans & Benedict, stationery.....	1899	3.73
J. A. Vye, secretary, sundry disbursements.....	1901	47.73
Total .....		\$30,956.42

## Division of Agriculture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Willet M. Hays, professor.....	...	\$1,200.00
Andrew Boss, assistant.....	...	593.28
Students' payrolls .....	...	2.76
J. A. Vye, secretary, sundry disbursements.....	690	2.65
John A. Schlener & Co., stationery.....	813	.59
John A. Schlener & Co., stationery.....	972	1.50
Total .....		\$1,800.78

## Division of Chemistry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Harry Snyder, professor.....	...	\$1,400.04
Assistants and laborers.....	...	613.81
Students' payrolls .....	...	49.22
J. A. Vye, secretary, sundry disbursements.....	165	9.68
Eagle Printing Co., printing.....	276	6.00
Munson Stationery Co., stationery.....	295	4.50
J. A. Vye, secretary, sundry disbursements.....	327	4.85
Bausch & Lomb Optical Co., chemicals.....	465	193.17

	No. Voucher.	Amount
St. Anthony Hardware Co., hardware.....	535	1.50
Bausch & Lomb Optical Co., two measures.....	646	1.56
Eimer & Amend, platin. dishes and crucibles.....	653	18.18
Northwestern Fuel Co., coal.....	676	150.00
Standard Oil Co., gasoline.....	688	68.55
J. A. Vye, secretary, sundry disbursements.....	689	14.36
J. A. Vye, secretary, sundry disbursements.....	690	.90
Northwestern Fuel Co., coal.....	803	186.63
Noyes Bros. & Cutler, drugs.....	807	1.50
J. A. Vye, secretary, sundry disbursements.....	824	1.25
Noyes Bros. & Cutler, drugs.....	963	10.88
John A. Schlenker & Co., stationery.....	972	3.50
J. A. Vye, secretary, sundry disbursements.....	983	2.50
St. Anthony Hardware Co., hardware.....	1147	1.80
Wyckoff, Seamans & Benedict, repairing typewriter.....	1156	.90
J. A. Vye, secretary, sundry disbursements.....	1168	1.93
Munson Stationery Co., stationery.....	1320	1.25
G. E. Stechert, books.....	1336	45.19
Wyckoff, Seamans & Benedict, stationery.....	1342	2.00
Minneapolis Paper Co., paper.....	1538	4.72
J. A. Vye, secretary, sundry disbursements.....	1557	3.75
H. Crawford Co., 35 covers and binders.....	1682	8.76
John A. Schlenker & Co., stationery.....	1729	8.20
Harrison & Smith Co., stationery.....	1868	3.00
Total .....		\$2,824.06

## Division of Entomology.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Frederick L. Washburn, professor.....		\$200.00

## Division of Horticulture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Samuel B. Green, professor.....		\$1,200.00
R. S. Mackintosh, assistant.....		600.00
Assistants and laborers.....		1,791.30
Students' payrolls .....		107.76
J. A. Vye, secretary, sundry disbursements.....	327	2.35
Northwestern Fuel Co., coal.....	504	167.59
J. M. Thorburn & Co., plants.....	520	8.14
Northwestern Fuel Co., coal.....	676	400.00
J. A. Vye, secretary, sundry disbursements.....	689	3.00
J. A. Vye, secretary, sundry disbursements.....	1690	8.74
W. K. Morrison & Co., hardware.....	802	4.50
Northwestern Fuel Co., coal.....	803	400.00
St. Anthony Hardware Co., hardware.....	810	48.00
J. A. Vye, secretary, sundry disbursements.....	824	.55
Bromo Cutlery Works, knives.....	926	11.25
Brooks Bros., lumber.....	927	14.90
Kinne Manufacturing Co., tinware.....	949	5.50
W. K. Morrison & Co., hardware.....	956	.38
Northrup, King & Co., seeds.....	961	2.28
Noyes Bros. & Cutler, drugs.....	963	3.07
Swahn Pottery Manufacturing Co., 600 pots.....	969	11.88
St. Anthony Hardware Co., hardware.....	971	2.90
J. A. Vye, secretary, sundry disbursements.....	983	5.34
Drake Mantel & Tile Co., tiling.....	1115	8.00
Plumbing & Steamfitting Supplies Co., oakum.....	1145	1.25
Swahn Pottery Manufacturing Co., 1,200 pots.....	1151	6.30
Warner Hardware Co., 11 padlocks.....	1159	5.73
Peter Osborn, work on tables and hones.....	1161	4.22
Brooks Bros., lumber.....	1294	8.15
Union Railway Storage Co., plaster.....	1340	.75
The University Book Store, book.....	1341	2.75
C. W. Gray, printing.....	1524	1.20
Northrup, King & Co., seed.....	1543	1.73
J. A. Vye, secretary, sundry disbursements.....	1557	22.47
Janney, Semple, Hill & Co., one garden barrow.....	1695	
McClellan Paper Co., paper.....	1873	6.00
Total .....		\$4,867.98

## Division of Animal Husbandry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Thomas Shaw, professor.....		\$800.00
The John Leslie Paper Co., paper.....	291	3.00
J. A. Vye, secretary, sundry disbursements.....	690	2.91
Northwestern Fuel Co., coal.....	803	100.00
The Northwestern Lime Co., lime.....	1877	3.80
Total .....		<u>\$909.71</u>

## Division of Dairy Husbandry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
T. L. Haecker, professor.....		\$1,200.00
E. W. Major, assistant.....		666.64
Assistants and laborers.....		4,429.45
Students' payrolls.....		504.78
Bemis Bros. Bag Co., burlaps.....	113	4.59
Freeman & Lanpher, mill feed.....	119	68.00
Harrison & Smith Co., stationery.....	122	22.50
J. A. Vye, secretary, sundry disbursements.....	165	147.51
Brooks Bros., lumber.....	268	5.15
J. S. Butler, one visit.....	269	5.00
I. J. Flaten & Co., hay.....	277	44.00
Glucose Sugar Refining Co., six tons gluten meal.....	281	162.00
T. L. Haecker, travel, Madison.....	283	7.50
Harrison & Smith Co., stationery.....	284	22.50
C. C. Lyford, autopsy visits.....	290	5.00
Pierce Bros., oats.....	313	102.27
Pierce Bros., corn.....	314	194.25
St. Anthony Hardware Co., hardware.....	321	2.30
J. A. Vye, secretary, sundry disbursements.....	327	55.24
Adolph Poirier, brooms.....	328	4.25
Northern Linseed Oil Co., one ton oil meal.....	330	26.50
Freeman & Lanpher, mill feed.....	331	59.50
Creamery Package Manufacturing Co., creamery supplies.....	469	16.53
Freeman & Lanpher, mill feed.....	478	42.00
E. V. King & Co., 25,355 pounds hay.....	491	107.76
Pierce Bros., 265 bushels barley.....	514	153.70
Union Railway Storage Co., one ton plaster.....	523	8.00
St. Anthony Hardware Co., hardware.....	535	3.30
Freeman & Lanpher, mill feed.....	659	63.00
John W. Irwin, Holstein cow.....	661	80.00
Minnesota Sugar Co., pulp.....	666	29.65
Northwestern Fuel Co., coal.....	676	519.04
Olof Olsen, 42,800 pounds hay.....	679	136.98
John W. Scott, Ayrshire cow.....	685	95.00
Swen Swenson, Holstein cow.....	686	80.00
F. A. Squires, Swiss cow.....	687	125.00
J. A. Vye, secretary, sundry disbursements.....	689	152.74
J. A. Vye, secretary, sundry disbursements.....	690	42.54
Brooks Bros., shavings.....	776	1.25
Creamery Package Manufacturing Co., creamery supplies.....	780	13.18
Eagle Printing Co., printing.....	785	5.00
Freeman & Lanpher, bran.....	788	80.60
Freeman & Lanpher, bran.....	789	111.05
Janney, Semple, Hill & Co., hardware.....	794	2.50
Lyman-Eliel Drug Co., drugs.....	796	20.56
Minnesota Soap Co., 262 pounds fig soap.....	801	13.78
Nichols Manufacturing Co., 300 pounds fig soap.....	804	15.00
St. Anthony Hardware Co., hardware.....	810	12.25
J. A. Vye, secretary, sundry disbursements.....	824	54.41
Brooks Bros., shavings.....	927	1.25
Crescent Creamery Co., milk.....	930	1,522.50
Eagle Printing Co., stationery.....	933	44.00
Eagle Printing Co., milk receipt books.....	934	22.50
Harrison & Smith Co., 1,000 letter heads.....	945	3.50
Lyman-Eliel Drug Co., drugs.....	954	27.53
W. K. Morrison & Co., hardware.....	956	1.00

	No. Voucher.	Amount.
Minneapolis Dry Goods Co., dry goods.....	957	21.28
John A. Schlener & Co., stationery.....	972	1.00
J. A. Vye, secretary, sundry disbursements.....	983	47.14
J. A. Vye, secretary, sundry disbursements.....	985	12.17
Brooks Bros., shavings.....	1108	2.50
Creamery Package Manufacturing Co., creamery supplies.....	1113	11.26
Forman, Ford & Co., glass.....	1118	.78
Harrison & Smith Co., stationery.....	1121	28.25
Geo. C. Hill & Son, Guernsey bull.....	1122	150.00
E. V. King & Co., 27,310 pounds hay.....	1127	88.99
John Lindig, nine tons straw.....	1130	27.50
McClellan Paper Co., 88 pounds paper.....	1132	3.96
W. K. Morrison & Co., hardware.....	1135	9.50
Northern Linseed Oil Co., oil meal.....	1140	26.00
Pieree Bros., one-half carload corn.....	1143	291.65
John A. Schlener & Co., stationery.....	1149	3.50
Union Railway Storage Co., plaster.....	1155	8.00
J. A. Vye, secretary, sundry disbursements.....	1168	31.05
O. Douglass & Co., chemicals.....	1299	25.10
Harrison & Smith Co., stationery.....	1306	19.00
A. F. Howland, oats.....	1310	115.00
Lyman-Eliel Drug Co., drugs.....	1316	2.19
St. Anthony Hardware Co., hardware.....	1331	10.70
Union Railway Storage Co., plaster.....	1340	8.00
Brooks Bros., lumber.....	1517	13.75
Creamery Package Manufacturing Co., creamery supplies.....	1518	6.55
Freeman & Lanpher, mill feed.....	1523	112.75
Kennedy & Co., hose.....	1529	8.35
Lyman-Eliel Drug Co., drugs.....	1534	5.39
Minnesota Soap Co., 469 pounds fig soap.....	1535	23.45
St. Anthony Hardware Co., hardware.....	1550	5.85
L. B. Wood, one wagon.....	1553	45.00
J. A. Vye, secretary, sundry disbursements.....	1557	61.32
Brooks Bros., shavings and lath.....	1675	5.00
Creamery Package Manufacturing Co., creamery supplies.....	1683	4.08
Freeman & Lanpher, mill feed.....	1688	63.38
Northwestern Fuel Co., coal.....	1705	401.37
Northern Linseed Oil Co., 2,000 pounds oil meal.....	1710	24.00
Spring Lawn Farm, hay.....	1717	31.05
Union Railway Storage Co., plaster.....	1722	8.00
Winston, Harper, Fisher & Co., six barrels salt.....	1724	6.00
J. A. Vye, secretary, sundry disbursements.....	1728	47.18
John A. Schlener & Co., stationery.....	1729	1.10
Creamery Package Manufacturing Co., creamery supplies.....	1800	6.28
Freeman & Lanpher, mill feed.....	1804	14.50
The John Leslie Paper Co., paper.....	1806	3.56
Lyman-Eliel Drug Co., drugs.....	1808	17.87
St. Anthony Hardware Co., hardware.....	1817	1.50
John A. Schlener & Co., stationery.....	1819	1.62
J. A. Vye, secretary, one cow.....	1824	45.00
J. A. Vye, secretary, sundry disbursements.....	1827	24.84
Brooks Bros., lumber.....	1852	21.02
Harrison & Smith Co., stationery.....	1868	10.00
John A. Schlener & Co., stationery.....	1884	.80
Zenner Disinfectant Co., disinfectants.....	1890	6.25
Elmer & Amend, rubber tubing.....	1892	2.33
The Eagle Printing Co., stationery.....	1897	9.00
Glucose Sugar Refining Co., one ton oil meal.....	1900	26.00
J. A. Vye, secretary, sundry disbursements.....	1901	19.35
Total .....		\$13,372.85

## Division of Veterinary.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Myron M. Reynolds, professor.....	...	\$1,200.00
Assistants and laborers.....	...	185.86
Students' payrolls.....	...	8.24
Theo. Anderson, 960 pounds hay.....	150	4.80
Theo. Anderson, 630 pounds hay.....	154	3.15
Noyes Bros. & Cutler, drugs.....	304	23.21
M. H. Reynolds, sundry disbursements.....	316	1.97
Wyckoff, Seamans & Benedict, stationery.....	324	1.87

	No. Voucher.	Amount.
J. A. Vye, secretary, sundry disbursements.....	327	1.47
Theo. Anderson, hay.....	457	10.76
Theo. Anderson, 860 pounds hay.....	459	5.16
Truax Bros., oats.....	522	12.55
Noyes Bros. & Cutler, drugs.....	529	1.37
St. Anthony Hardware Co., hardware.....	535	1.10
Theo. Anderson, hay.....	642	11.49
J. A. Vye, secretary, sundry disbursements.....	689	8.41
Northwestern Fuel Co., coal.....	803	100.00
Noyes Bros. & Cutler, drugs.....	807	9.46
St. Anthony Hardware Co., hardware.....	810	1.13
Wyckoff, Seamans & Benedict, stencil and ink.....	821	2.75
J. A. Vye, secretary, sundry disbursements.....	824	1.25
Theo. Anderson, hay.....	924	11.82
Theo. Anderson, 955 pounds hay.....	925	5.73
Northwestern Fuel Co., one ton coal.....	960	4.12
Noyes Bros. & Cutler, drugs.....	963	17.17
St. Anthony Hardware Co., hardware.....	971	8.17
J. A. Vye, secretary, sundry disbursements.....	983	2.45
F. O. Boyd & Co., alcohol.....	1109	11.39
Minneapolis Iron Store Co., one bar steel.....	1136	.72
Northwestern Fuel Co., coal.....	1138	200.00
Noyes Bros. & Cutler, drugs.....	1139	27.12
St. Anthony Furniture Co., tables.....	1146	11.00
St. Anthony Hardware Co., hardware.....	1147	1.45
Twin City Telephone Co., rental.....	1153	1.50
J. A. Vye, secretary, sundry disbursements.....	1168	1.72
Noyes Bros. & Cutler, drugs.....	1325	23.50
New England Furniture & Carpet Co., brush mats.....	1327	6.50
Zimmerman Bros., chemicals.....	1347	1.90
Twin City Telephone Co., rental.....	1339	1.50
Theo. Anderson, 950 pounds hay.....	1516	6.70
A. F. Howland, oats.....	1526	42.28
New England Furniture & Carpet Co., book holder (one-half).....	1542	2.12
Twin City Telephone Co., line rental.....	1551	1.50
Truax Bros., oats.....	1552	14.35
J. A. Vye, secretary, sundry disbursements.....	1557	3.01
Theo. Anderson, hay.....	1673	11.70
Theo. Anderson, 1,990 pounds hay.....	1674	13.44
Twin City Telephone Co., rental.....	1721	1.50
J. A. Vye, secretary, sundry disbursements.....	1728	2.92
The John Leslie Paper Co., paper.....	1806	1.42
John A. Schlener & Co., stationery.....	1819	.60
Schuneman & Evans, dry goods.....	1821	4.71
Twin City Telephone Co., rental.....	1822	1.50
Zimmerman Bros., photo supplies.....	1826	5.32
J. A. Vye, secretary, sundry disbursements.....	1827	6.07
Total .....		\$2,045.90

## EXPERIMENT STATION.

## General Station.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
William M. Liggett, dean.....	...	\$1,999.92
John A. Vye, secretary.....	...	750.00
Etta Matthews, stenographer.....	...	600.00
E. H. S. Dartt, agriculturist.....	...	499.92
William Boss, engineer.....	...	301.30
Assistants and laborers.....	...	4,027.51
Students' payrolls.....	...	176.35
Bramblett & Beygeh, half-tone cuts.....	112	32.28
W. K. Morrison & Co., hardware.....	131	1.30
C. L. Moffat, horseshoeing.....	133	9.50
N. W. Telephone Exchange Co., rental service.....	138	8.25
John A. Schlener & Co., stationery.....	142	4.10
John A. Schlener & Co., stationery.....	143	4.25
McGill-Warner Co., 17,000 bulletins.....	155	140.25
Minnesota Type Foundry Co., one maller.....	156	20.00
Standard Oil Co., gasoline.....	158	6.45
McGill-Warner Co., 17,000 bulletins.....	162	242.25

	No. Voucher.	Amount.
J. A. Vye, secretary, sundry disbursements.....	165	54.07
E. H. S. Dartt, sundry disbursements.....	274	153.68
I. J. Platen & Co., hay.....	277	33.00
General Electric Co., electric supplies.....	280	13.33
E. V. King & Co., corn and oats.....	289	19.00
The John Leslie Paper Co., paper.....	292	7.82
W. M. Liggett, travel, St. Louis.....	293	34.50
Munson Stationery Co., stationery.....	295	15.12
C. L. Moffat, horseshoeing.....	299	24.50
Minnesota State Agricultural Society, rental 25 acres.....	300	75.00
Minneapolis Gas Light Co., gas supplies.....	303	1.48
N. W. Telephone Exchange Co., line rental.....	305	8.40
N. W. Telephone Exchange Co., line rental.....	306	8.95
Northwestern Fuel Co., coal.....	308	20.62
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	312	12.62
Pierce Bros., oats.....	313	177.60
Pierce Bros., corn.....	314	111.00
Standard Oil Co., gasoline.....	318	5.50
Fred J. Scott, payrolls.....	319	8.00
J. A. Vye, secretary, sundry disbursements.....	327	110.18
Adolph Poirier, brooms.....	328	.88
C. E. Dixon, eight pullets.....	472	6.30
Dearborn Drug & Chemical Works, boiler compound.....	475	12.97
W. H. Konantz, one single harness.....	492	22.50
S. B. Loye & Sons, horse furnishings.....	496	6.00
E. C. Lindig, hauling manure.....	497	10.00
W. M. Liggett, attending meeting at Washington (one-half).....	498	42.25
C. L. Moffat, horseshoeing.....	505	13.00
John A. Schlener & Co., stationery.....	515	8.12
Fred J. Scott, 1,500 jackets.....	517	4.25
Standard Oil Co., gasoline.....	518	4.40
Thomson & Ege Carriage Co., one carriage.....	521	80.00
Wyckoff, Seamans & Benedict, typewriter supplies.....	528	3.93
C. L. Moffat, horseshoeing.....	663	27.75
McGill-Warner Co., 5,000 bulletins.....	671	31.50
N. W. Telephone Exchange Co., line rental.....	674	8.90
St. Anthony Hardware Co., hardware.....	683	2.05
Standard Oil Co., gasoline.....	688	4.40
J. A. Vye, secretary, sundry disbursements.....	689	110.90
J. A. Vye, secretary, sundry disbursements.....	690	54.46
J. A. Vye, secretary, delegation dinners.....	691	7.00
Wyckoff, Seamans & Benedict, typewriter supplies.....	693	1.50
The John Leslie Paper Co., paper.....	696	20.65
Dan Goodhue, 476.3 bushels oats.....	697	162.44
Bureau of Engraving, photos.....	775	24.75
Bramblett & Beygeh, electrotypes.....	778	7.20
Electrical Engineering Co., electrical supplies.....	786	2.27
C. W. Gray Printing Co., circulars.....	791	8.75
The John Leslie Paper Co., paper.....	797	12.58
C. L. Moffat, horseshoeing.....	798	30.50
N. W. Telephone Exchange Co., line rental.....	805	8.65
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	808	4.18
Reichard & Pattee, steam supplies.....	809	14.10
John A. Schlener & Co., stationery.....	813	4.75
Standard Foundry, Tupper grates (one-half).....	814	2.68
E. B. Voorhees, secretary and treasurer, fees in Agricultural Colleges and Stations.....	819	15.00
J. A. Vye, secretary, sundry disbursements.....	824	56.35
Brooks Bros., lumber.....	927	3.03
C. W. Gray Printing Co., printing envelopes.....	940	4.13
John Leslie Paper Co., paper.....	952	2.75
C. L. Moffat, horseshoeing.....	955	59.80
W. K. Morrison & Co., hardware.....	956	.78
N. W. Telephone Exchange Co., line rental.....	964	8.00
John A. Schlener & Co., stationery.....	972	8.30
School Meat Market, 25 pullets.....	973	8.00
Twin City Telephone Co., telephone rent.....	977	9.00
J. A. Vye, secretary, sundry disbursements.....	983	56.58
Dearborn Drug & Chemical Works, one barrel oil.....	1114	22.95
Gust Lagerquist, elevator repairs.....	1131	14.00
McGill-Warner Co., bulletins.....	1133	281.00
C. L. Moffat, horseshoeing.....	1134	28.00
Northwestern Fuel Co., coal.....	1138	300.00
Northwestern Telephone Exchange Co., line rental.....	1141	8.00
W. S. Nott Co., belting.....	1142	11.09
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1145	13.14
St. Anthony Hardware Co., hardware.....	1147	1.45
John A. Schlener & Co., stationery.....	1149	1.90

	No. Voucher.	Amount.
Twin City Telephone Co., rental.....	1153	8.00
Union Railway Storage Co., building material.....	1155	6.53
Wyckoff, Seamans & Benedict, stationery.....	1156	4.20
Webb Publishing Co., bulletins.....	1160	364.00
J. A. Vye, secretary, sundry disbursements.....	1168	70.07
Brown & Dickey, bay horse.....	1288	180.00
Electrical Engineering Co., electrical supplies.....	1301	11.61
A. F. Howland, oats.....	1310	169.08
E. V. King & Co., 13,780 pounds hay.....	1313	44.63
John Leslie Paper Co., paper.....	1318	10.93
Munson Stationery Co., stationery.....	1320	1.25
C. L. Moffat, horseshoeing.....	1323	15.25
N. W. Telephone Exchange Co., line rental.....	1324	8.00
Plumbing & Steamfitting Supplies Co., valves, etc.....	1330	8.09
St. Anthony Hardware Co., hardware.....	1331	4.18
Twin City Telephone Co., line rental.....	1339	6.00
Union Railway Storage Co., plaster.....	1340	.85
Wyckoff, Seamans & Benedict, stationery.....	1342	5.65
William Wyman, work in sheep yards.....	1346	37.75
Brooks Bros., lumber.....	1517	.44
Borden & Selleck Co., milk scale.....	1519	4.50
Eagle Printing Co., printing.....	1521	211.25
C. W. Gray, printing.....	1524	7.20
A. F. Howland, oats.....	1526	276.29
S. B. Loye & Sons, barn supplies.....	1532	15.15
C. L. Moffat, horseshoeing.....	1539	15.75
W. T. McMurrin, agent, 147 13-20 yards cement walk.....	1540	118.12
N. W. Telephone Exchange Co., line rental.....	1541	8.00
John A. Schlener & Co., stationery.....	1549	9.85
Twin City Telephone Co., rental.....	1551	6.00
Wyckoff, Seamans & Benedict, supplies and repairs.....	1555	7.50
J. A. Vye, secretary, sundry disbursements.....	1557	113.23
E. V. King & Co., 22,715 pounds hay.....	1697	96.54
The John Leslie Paper Co., paper.....	1700	9.74
C. L. Moffat, horseshoeing.....	1702	19.00
Munson Stationery Co., stationery.....	1703	3.75
Northwestern Fuel Co., coal.....	1705	50.17
N. W. Telephone Exchange Co., line rental.....	1709	8.00
Plumbing & Steamfitting Supplies Co., plumbing supplies.....	1713	4.38
J. N. Sayer, truck harness.....	1716	50.45
Spring Lawn Farm, hay.....	1717	27.95
Twin City Telephone Co., rental.....	1721	6.00
J. A. Vye, secretary, sundry disbursements.....	1728	122.28
John A. Schlener & Co., stationery.....	1729	13.20
Allen Bros., groceries.....	1798	13.33
Eagle Printing Co., printing.....	1801	22.00
Eagle Printing Co., printing.....	1802	371.00
The John Leslie Paper Co., paper.....	1806	3.50
S. B. Loye & Sons, horse furnishings.....	1807	5.56
McGill-Warner Co., printing.....	1809	398.75
C. L. Moffat, horseshoeing.....	1811	18.50
Northwestern Fuel Co., coal.....	1814	87.62
N. W. Telephone Exchange Co., line rental.....	1815	8.00
J. N. Sayer, harness materials.....	1818	9.75
John A. Schlener & Co., stationery.....	1819	3.43
Twin City Telephone Co., rental.....	1822	6.00
J. A. Vye, secretary, sundry disbursements.....	1827	28.38
Brooks Bros., lumber.....	1852	12.03
Dewey-Stevens Tag Co., 5,000 tags.....	1859	6.25
The John Leslie Paper Co., paper.....	1870	38.67
Minneapolis Iron Store Co., hardware.....	1874	8.80
N. W. Telephone Exchange Co., line rental.....	1876	8.00
R. L. Polk & Co., St. Paul Directory.....	1879	5.00
C. Peterson, 19.12 tone hay.....	1881	172.08
J. S. Rowell Manufacturing Co., cultivator.....	1882	19.60
John A. Schlener & Co., stationery.....	1884	1.25
Twin City Telephone Co., rental.....	1886	21.00
Wishart & Hansen, skylights Dairy Building.....	1888	16.55
C. W. Gray Printing Co., printing.....	1898	12.80
Wyckoff, Seamans & Benedict, supplies.....	1899	3.72
J. A. Vye, secretary, sundry disbursements.....	1901	65.35
Total .....		\$14,862.92

## Division of Agriculture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Willet M. Hays, professor.....	...	\$1,200.00
Andrew Boss, assistant.....	...	840.00
William Boss, engineer.....	...	111.93
Assistants and laborers.....	...	7,233.15
Students' payrolls.....	...	325.88
Brooks Bros., lumber.....	111	3.52
Bemis Bros. Bag Co., bags.....	113	77.75
J. I. Case Implement Co., top for Climax.....	116	17.50
The Denney-Stevens Tag Co., tags.....	118	4.75
Freeman & Lanpher, mill feed.....	119	16.00
Fisher Paper Box Co., 200 boxes.....	120	13.50
Janney, Semple, Hill & Co., hardware.....	123	9.16
E. V. King & Co., corn.....	124	85.30
W. W. Konantz, horse furnishings.....	125	8.00
Lindeke, Warner & Schurmeier, dry goods.....	126	7.53
Chas. T. Leonard Co., three covers.....	127	20.00
S. B. Loye & Sons, hardware.....	128	6.10
The John Leslie Paper Co., paper.....	129	23.98
Minneapolis Photo Materials Co., ortho and seeds.....	130	10.89
W. K. Morrison & Co., hardware.....	131	8.80
Minneapolis Stamp & Stencil Co., stamps.....	134	3.95
Nelson & Mattson, shotgun.....	135	6.90
C. E. Peterson, plowing.....	139	8.75
W. T. Reynolds, 45 cedar posts.....	140	7.00
J. N. Sayer, harness, etc.....	141	72.95
John A. Schliener & Co., stationery.....	142	.80
St. Anthony Hardware Co., hardware.....	144	6.95
Wyman, Partridge & Co., sheeting.....	146	11.84
D. A. Gaumnitz, sundry disbursements.....	147	24.23
Northrup, King & Co., seeds.....	149	3.66
W. M. Hays, travel.....	153	20.58
Theo. Keller, 401 bushels oats.....	160	160.40
Queen & Co., temperature cells.....	163	10.62
W. Welch, three days' plowing.....	164	10.50
J. A. Vye, secretary, sundry disbursements.....	165	39.51
Brooks Bros., lumber.....	268	20.06
Bemis Bros. Bag Co., 600 bags.....	272	87.00
Fisher Paper Box Co., 100 boxes.....	273	6.75
D. A. Gaumnitz, sundry disbursements.....	282	4.55
W. G. Johnson, work on apple seeder, etc.....	286	10.00
Chas. T. Leonard Co., 100 cock covers.....	294	40.00
Minneapolis Photo Materials Co., chemicals.....	298	8.80
Minneapolis Gas Light Co., gas supplies.....	303	3.25
Pendergast Fence Co., fence material.....	315	29.44
W. T. Reynolds, 30 cedar posts.....	317	4.50
Standard Oil Co., gasoline.....	318	14.59
Smalley Manufacturing Co., cutting plate, etc.....	320	5.75
St. Anthony Hardware Co., hardware.....	321	.55
A. T. Thompson & Co., rheostat, etc.....	322	110.00
The J. I. Case Implement Co., two sets burrs.....	325	4.00
W. M. Hays, travel, Rosemount.....	326	10.49
J. A. Vye, secretary, sundry disbursements.....	327	23.08
Adolph Poirier, brooms.....	328	5.00
Kemp & Burpee, manure spreader.....	329	120.00
Theo. Anderson, 153.7 bushels wheat.....	458	110.54
Brooks Bros., lumber.....	461	22.60
The J. I. Case Implement Co., two sets burrs.....	470	4.00
Forman, Ford & Co., machine oil.....	480	1.75
D. A. Gaumnitz, transportation.....	483	4.87
Annie L. Hendrickson, use of 125 acres land.....	486	775.00
John Hardy, 278.6 bushels wheat.....	487	197.80
W. G. Johnson, work on camera stand.....	489	6.00
Peter Kordell, 58.6 bushels wheat.....	490	41.60
Le Roy Plow Co., plow.....	494	11.00
John Leinen, 95.4 bushels wheat.....	495	67.73
N. M. Moore, 125 bushels wheat.....	500	82.50
W. K. Morrison & Co., hardware.....	501	3.11
Minneapolis Iron Store Co., hardware.....	502	2.05
Fred. Peterson, 76.7 bushels wheat.....	513	54.45
John A. Schliener & Co., stationery.....	515	.45
J. A. Vye, secretary, 224 bushels wheat.....	524	156.80
Frank Wiltzbacher, 176 bushels wheat.....	527	124.96



	No. Voucher.	Amount.
St. Anthony Hardware Co., hardware.....	535	65.40
Bemis Bros. Bag Co., 350 yards burlap.....	643	21.88
J. I. Case Implement Co., one tire gear.....	649	45.00
Fisher Paper Box Co., 150 boxes.....	657	10.00
Fairbanks, Morse & Co., box scale, etc.....	658	30.50
W. K. Morrison & Co., hardware.....	665	1.70
Minneapolis Iron Store Co., hardware.....	670	1.00
Minneapolis Paper Co., paper.....	673	5.15
S. E. Olson Co., rubber boots.....	677	3.00
W. T. Reynolds, 12 cedar posts.....	682	5.04
St. Anthony Hardware Co., hardware.....	683	3.95
J. A. Vye, secretary, sundry disbursements.....	689	17.28
J. A. Vye, secretary, sundry disbursements.....	690	.25
Whitall, Tatum & Co., jars.....	694	13.01
Zimmerman Bros., photo supplies.....	695	4.95
The J. I. Case Implement Co., two sets burrs.....	779	4.00
A. D. Campbell, six shades.....	781	16.61
Deering Harvester Co., twine.....	782	130.26
Janney, Semple, Hill & Co., hardware.....	794	.88
Minneapolis Iron Store Co., hardware.....	799	1.20
Northwestern Fuel Co., coal.....	803	100.00
St. Anthony Hardware Co., hardware.....	810	17.55
Union Railway Storage Co., four barrels cement.....	816	9.40
Zimmerman Bros., lantern slide plates.....	823	4.48
J. A. Vye, secretary, sundry disbursements.....	824	5.54
Diamond Elevator & Milling Co., oats.....	931	98.60
Denney-Stevens Tag Co., 5,000 tags.....	932	6.25
W. M. Hays, travel.....	942	85.48
W. M. Hays, travel, Washington.....	943	139.33
A. F. Howland, oats.....	944	270.60
Janney, Semple, Hill & Co., hardware.....	947	10.04
Seth H. Kenney, 200 pounds cane seed.....	951	6.84
John Leslie Paper Co., paper.....	952	7.50
S. B. Loye & Sons, horse furnishings.....	953	28.95
Lyman-Eliel Drug Co., drugs.....	954	.80
Northern Machinery Co., pulley and shafting.....	962	6.00
W. S. Nott Co., belting.....	965	22.67
Shevlin-Carpenter Co., lumber.....	968	17.56
Standard Oil Co., gasoline.....	970	27.25
St. Anthony Hardware Co., hardware.....	971	5.75
A. T. Thompson & Co., carbons.....	975	4.00
Zimmerman Bros., photo supplies.....	982	13.83
J. A. Vye, secretary, sundry disbursements.....	983	88.78
Brooks Bros., lumber.....	1108	19.91
J. I. Case Implement Co., three sets burrs.....	1111	6.00
Eagle Printing Co., class slips.....	1116	10.00
S. B. Loye & Sons, horse furnishings.....	1128	3.95
John Leslie Paper Co., paper.....	1129	14.11
W. K. Morrison & Co., hardware.....	1135	10.60
Minneapolis Iron Store Co., hardware.....	1136	.15
Powers Mercantile Co., dry goods.....	1144	4.56
St. Anthony Furniture Co., two office tables.....	1146	2.60
John A. Schlener & Co., stationery.....	1149	1.00
Wyckoff, Seamans & Benedict, stationery.....	1156	4.20
J. A. Vye, secretary, sundry disbursements.....	1168	71.36
Brown, Treacy & Sperry Co., stationery.....	1291	3.83
Bemis Bros. Bag Co., 300 bags.....	1292	45.00
M. L. Burkhardt Co., three leather cases.....	1293	8.50
Electrical Engineering Co., glue.....	1301	.20
Forman, Ford & Co., glass.....	1302	1.62
H. Herbrandson, work on planter.....	1309	8.00
Janney, Semple, Hill & Co., hardware.....	1311	3.80
Arnold Kuhlo, drainage level.....	1314	35.00
John Leslie Paper Co., paper.....	1318	7.00
A. B. Lyman, two bushels alfalfa.....	1319	14.00
Munson Stationery Co., stationery.....	1320	1.25
Northwestern Stamp Works, stamps.....	1328	5.35
John A. Schlener & Co., stationery.....	1333	11.60
Spring Lawn Farm, seed wheat.....	1335	354.00
Wyckoff, Seamans & Benedict, stationery.....	1342	8.16
Zimmerman Bros., chemicals.....	1347	15.24
Brooks Bros., lumber.....	1517	4.00
Farmer Seed Co., seeds.....	1522	4.00
D. A. Gaumnitz, freight, etc.....	1525	26.01
W. G. Johnson, work on planters.....	1527	7.90
E. V. King & Co., 1,955 pounds hay.....	1528	7.82
Lyman-Eliel Drug Co., drugs.....	1534	.60
Minneapolis Iron Store Co., hardware.....	1536	8.46

	No. Voucher.	Amount.
Northrup, King & Co., seeds.....	1543	103.02
O. H. Peck Co., photo materials.....	1544	4.90
Smalley Manufacturing Co., hardware.....	1547	15.25
Stoddard & Allen Co., machinery.....	1548	33.03
John A. Schlener & Co., stationery.....	1549	7.40
St. Anthony Hardware, hardware.....	1550	59.47
Wyckoff, Seamans & Benedict, supplies and repairs.....	1555	3.60
Spring Lawn Farm, 29 bushels wheat.....	1556	26.50
J. A. Vye, secretary, sundry disbursements.....	1557	85.25
Brooks Bros., shavings and lath.....	1675	4.00
F. Barteldes & Co., four bushels beans.....	1679	10.00
Brown, Treacy & Sperry Co., drawing paper.....	1680	4.00
Elmer & Amend, chemicals.....	1685	12.23
Freeman & Lanpher, mill feed.....	1688	33.10
Fisher Paper Box Co., 100 boxes.....	1689	7.00
D. A. Gaumnitz, sundry disbursements.....	1690	15.85
Iowa Seed Co., three bushels peas.....	1693	10.20
Janney, Semple, Hill & Co., 100 pounds galvanized wire.....	1695	3.25
Seth H. Kenney, 200 pounds amber cane seed.....	1696	6.84
The John Leslie Paper Co., paper.....	1700	1.55
Northrup, King & Co., seeds.....	1704	32.50
Powers Mercantile Co., dry goods.....	1712	8.50
The Specialty Manufacturing Co., 31 yards duck, and labor.....	1714	5.36
O. C. Thompson, 15 bushels seed corn.....	1719	22.50
Zimmerman Bros., chemicals.....	1727	19.88
J. A. Vye, secretary, sundry disbursements.....	1728	20.79
John A. Schlener & Co., stationery.....	1729	.80
Andrew Boss, one horse.....	1799	175.00
D. A. Gaumnitz, sundry disbursements.....	1805	4.40
The John Leslie Paper Co., paper.....	1806	1.00
Lyman-Elliel Drug Co., drugs.....	1808	3.18
Northrup, King & Co., seeds.....	1812	6.35
Olson & Co., hardware.....	1816	8.36
St. Anthony Hardware Co., hardware.....	1817	21.33
John A. Schlener & Co., stationery.....	1819	6.55
E. H. Sargent & Co., burners.....	1820	5.81
J. A. Vye, secretary, sundry disbursements.....	1827	14.54
Williams & Sons, 15,000 labels.....	1825	6.75
Brooks Bros., lumber.....	1852	11.21
Deering Harvester Co., 50 pounds twine.....	1858	6.50
Fisher Paper Box Co., 300 cards.....	1861	5.25
D. A. Gaumnitz, freights.....	1863	5.12
R. R. Howell & Co., castings.....	1864	3.85
The John Leslie Paper Co., paper.....	1870	12.41
S. B. Loye & Sons, horse furnishings.....	1871	2.30
W. K. Morrison & Co., hardware.....	1872	.67
Minneapolis Iron Store Co., hardware.....	1874	4.00
Northrup, King & Co., 50 pounds rape seed.....	1878	3.16
John A. Schlener & Co., stationery.....	1884	.70
St. Anthony Hardware Co., hardware.....	1885	10.95
John Thompson, sundry disbursements.....	1887	20.72
Zimmerman Bros., photo supplies.....	1889	1.15
H. H. Mowry, travel.....	1893	7.96
Wyckoff, Seamans & Benedict, ink and stencils.....	1899	3.50
J. A. Vye, secretary, sundry disbursements.....	1901	20.93
Total .....		\$15,605.66

## Division of Chemistry.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Harry Snyder, professor.....	...	\$899.96
Isabel D. Parker, instructor.....	...	335.00
William Boss, engineer.....	...	50.22
Josephine Craig, assistant.....	...	414.00
Laborers .....	...	390.70
John A. Schlener & Co., stationery.....	142	.30
Standard Oil Co., gasoline.....	158	34.44
J. A. Vye, secretary, sundry disbursements.....	165	10.92
The John Leslie Paper Co., paper.....	292	2.85
J. A. Vye, secretary, sundry disbursements.....	327	10.26
Elmer & Amend, chemicals.....	476	190.91

	No. Voucher.	Amount.
Noyes Bros. & Cutler, drugs.....	529	13.67
St. Anthony Hardware Co., hardware.....	535	12.40
Bramblett & Beygeh, two half-tones, plants.....	645	3.00
Bausch & Lomb Optical Co., physical apparatus.....	646	11.95
Elmer & Amend, physical apparatus.....	653	5.61
Northwestern Fuel Co., coal.....	676	350.00
St. Anthony Hardware Co., hardware.....	683	3.90
J. A. Vye, secretary, sundry disbursements.....	689	18.35
J. A. Vye, secretary, sundry disbursements.....	690	8.30
Elmer & Amend, physical apparatus.....	784	8.90
St. Anthony Hardware Co., hardware.....	810	1.25
J. A. Vye, secretary, sundry disbursements.....	824	3.50
J. A. Vye, secretary, sundry disbursements.....	983	2.96
J. A. Vye, secretary, sundry disbursements.....	1106	8.00
Bausch & Lomb Optical Co., repairs.....	1139	2.09
Noyes Bros. & Cutler, drugs.....	1148	31.70
Standard Oil Co., gasoline.....	1168	1.85
J. A. Vye, secretary, sundry disbursements.....	1295	13.60
Bureau of Engineering, engraving.....	1305	5.51
The Gashen Milling Co., flour, etc.....	1325	7.88
Noyes Bros. & Cutler, drugs.....	1333	1.75
John A. Schlener & Co., stationery.....	1520	19.15
Elmer & Amend, physical apparatus.....	1557	23.02
J. A. Vye, secretary, sundry disbursements.....	1706	10.48
Noyes Bros. & Cutler, drugs.....		
S. S. White Dental Manufacturing Co., cylinder of 100 gallons oxygen.....	1725	5.00
J. A. Vye, secretary, sundry disbursements.....	1728	7.99
The John Lealie Paper Co., paper.....	1806	1.70
St. Anthony Hardware Co., hardware.....	1817	1.35
J. A. Vye, secretary, sundry disbursements.....	1827	3.33
Brooks Bros., lumber.....	1852	10.13
S. E. Loye & Sons, horse furnishings.....	1871	1.25
Noyes Bros. & Cutler, drugs.....	1875	3.76
Standard Oil Co., gasoline.....	1883	31.36
St. Anthony Hardware Co., hardware.....	1885	6.75
A. J. Gaumnitz, work on digestion experiments.....	1891	22.50
Elmer & Amend, apparatus.....	1892	3.36
C. W. Gray Printing Co., printing.....	1898	1.38
J. A. Vye, secretary, sundry disbursements.....	1901	5.46
<b>Total</b> .....		<b>\$3,113.15</b>

## Division of Entomology.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Frederick L. Washburn, professor.....		\$200.00
Laborers .....		8.08
J. A. Vye, secretary, sundry disbursements.....	690	.75
Minneapolis Office & School Furniture Co., desk and chair.....	1701	32.50
New England Furniture & Carpet Co., revolving book case.....	1707	12.00
J. A. Vye, secretary, sundry disbursements.....	1827	1.67
J. A. Vye, secretary, sundry disbursements.....	1901	3.92
<b>Total</b> .....		<b>\$258.92</b>

## Division of Horticulture.

## CURRENT EXPENSE.

	No. Voucher.	Amount.
Samuel B. Green, professor.....		\$1,200.00
Laborers .....		1,834.40
Students' payrolls .....		51.03
Bemis Bros. Bag Co., burlap.....	113	2.25
Minneapolis Photo Materials Co., ortho and seeds.....	130	6.61
John A. Schlener & Co. stationery.....	143	1.20
R. S. Mackintosh, travel.....	151	6.14
J. A. Vye, secretary, sundry disbursements.....	165	67.87

	No. Voucher.	Amount.
Eagle Printing Co., printing.....	276	7.50
W. G. Johnson, carpenter work.....	286	3.20
St. Anthony Hardware, hardware.....	321	.20
J. A. Vye, secretary, sundry disbursements.....	327	10.92
Bramblett & Beygeh, half-tone views.....	460	55.37
C. S. Harrison, plants.....	485	8.00
Northwestern Fuel Co., coal.....	504	200.00
Noyes Bros. & Cutler, drugs.....	529	2.76
Whitall, Tatum & Co., mortars, pestles and jars.....	533	42.89
St. Anthony Hardware Co., hardware.....	535	.75
Bramblett & Beygeh, etchings and half-tones.....	645	10.10
E. Estenson, seven pounds huckleberry seed.....	654	5.00
W. K. Morrison & Co., hardware.....	665	2.76
Northwestern Fuel Co., coal.....	676	100.00
William Oxford, fruit trees.....	678	5.00
St. Anthony Hardware Co., hardware.....	683	5.50
J. A. Vye, secretary, sundry disbursements.....	689	31.37
J. A. Vye, secretary, sundry disbursements.....	690	5.40
Zimmerman Bros., photo supplies.....	695	.25
St. Anthony Hardware Co., hardware.....	810	48.00
John A. Schlener & Co., stationery.....	813	.50
R. B. Thompson, lumber.....	817	2.88
J. A. Vye, secretary, sundry disbursements.....	824	1.71
J. A. Vye, secretary, sundry disbursements.....	983	3.80
W. K. Morrison & Co., hardware.....	1135	2.50
J. A. Vye, secretary, sundry disbursements.....	1168	2.10
Electrical Engineering Co., electrical supplies.....	1301	8.60
Heywood Manufacturing Co., envelopes.....	1308	5.25
Janney, Semple, Hill & Co., hardware.....	1311	.60
John Leslie Paper Co., paper.....	1318	2.86
J. N. Sayer, two storm blankets.....	1334	8.00
Twin City Telephone Co., line rental.....	1339	3.00
Twin City Telephone Co., line rental.....	1551	3.00
J. A. Vye, secretary, sundry disbursements.....	1557	25.00
Ellwanger & Barry, plants.....	1687	12.79
Jewell Nursery Co., 2,000 apple roots.....	1694	10.50
Janney, Semple, Hill & Co., garden barrow.....	1695	3.25
Swift & Co., one ton tankage.....	1715	26.00
Twin City Telephone Co., rental.....	1721	3.00
A. Phelps Wyman, 277 botanical specimens.....	1723	14.62
J. A. Vye, secretary, sundry disbursements.....	1728	25.60
Farwell, Ozmun, Kirk & Co., hardware.....	1803	14.19
Olson & Co., hardware.....	1816	3.00
Twin City Telephone Co., rental.....	1822	3.00
Zimmerman Bros., photo supplies.....	1826	9.12
J. A. Vye, secretary, sundry disbursements.....	1827	4.52
Noyes Bros. & Cutler, drugs.....	1875	1.50
St. Anthony Hardware Co., hardware.....	1885	4.08
Zimmerman Bros., photo supplies.....	1889	1.25
Coffin's Box & Lumber Co., crates.....	1896	11.70
J. A. Vye, secretary, sundry disbursements.....	1901	32.03
<b>Total</b> .....		<b>\$3,064.38</b>

### Division of Animal Husbandry.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Thomas Shaw, professor.....	...	\$800.00
Laborers .....	...	3,069.08
Students' payrolls .....	...	363.03
Brooks Bros., lumber.....	111	23.06
W. W. Brimhall, 5,480 pounds hay.....	114	27.40
Freeman & Lanpher, mill feed.....	119	81.00
Janney, Semple, Hill & Co., hardware.....	123	15.74
E. V. King & Co., corn.....	124	91.47
Wm. S. Dixon, Shropshire ram.....	148	45.00
Northrup, King & Co., seeds.....	149	9.95
Dietrick, Wellage, five pigs.....	152	33.25
Central Avenue Feed Co., hay and straw.....	157	21.83
Theo. Anderson, 1,840 pounds hay.....	159	11.04
Israel Groff, two-year-old steer.....	161	325.00
J. A. Vye, secretary, sundry disbursements.....	165	17.64

	No. Voucher.	Amount
Brooks Bros., posts.....	268	9.80
W. H. Brimhall, hay.....	271	43.01
I. J. Flaten & Co., hay.....	277	114.29
E. V. King & Co., corn and oats.....	289	40.38
The John Leslie Paper Co., paper.....	291	2.85
J. C. Mills, ewes and rams.....	296	435.00
Midland Linseed Oil Co., oil meal.....	301	62.50
Pierce Bros., oats.....	313	131.09
Pierce Bros., corn.....	314	196.91
St. Anthony Hardware Co., hardware.....	321	14.28
Frank Wiltzbacher, 6,445 pounds hay.....	323	38.67
J. A. Vye, secretary, sundry disbursements.....	327	89.85
Freeman & Lanpher, mill feed.....	331	128.75
Allen Bros., 150 pounds sugar.....	456	7.73
W. H. Brimhall, 14,595 pounds hay.....	462	80.27
Diamond Elevator & Milling Co., barley and oats.....	473	37.31
Freeman & Lanpher, mill feed.....	478	98.50
Israel Groff, U. S. duties and travel.....	482	22.50
W. K. Morrison & Co., hardware.....	501	4.00
Northern Linseed Oil Co., 200 pounds ground flax seed.....	503	8.00
Midland Linseed Oil Co., oil meal.....	506	34.50
Plumbing & Steamfitting Supplies Co., 50 feet garden hose.....	511	6.00
Anthony Perry, 50 bushels charcoal.....	512	6.50
Pierce Bros., 620 bushels barley.....	514	359.60
Noyes Bros. & Cutler, drugs.....	529	8.40
Winston, Harper, Fisher & Co., six barrels salt.....	530	6.00
St. Anthony Hardware Co., hardware.....	535	21.60
W. H. Brimhall, 7,010 pounds hay.....	647	38.56
J. R. Clark Co., 101 boxes.....	650	15.15
Freeman & Lanpher, mill feed.....	659	77.00
E. V. King & Co., 50 bushels corn.....	662	30.00
Midland Linseed Oil Co., oil meal.....	664	59.00
S. E. Olson Co., 80 yards ticking.....	677	8.80
Pierce Bros., 693.42 bushels corn.....	680	385.03
W. C. Palmer, sundry disbursements.....	681	5.20
St. Anthony Hardware Co., hardware.....	683	16.78
J. A. Vye, secretary, sundry disbursements.....	689	61.98
J. A. Vye, secretary, sundry disbursements.....	690	2.67
Wyckoff, Seamans & Benedict, typewriter supplies.....	693	8.55
Zimmerman Bros., photo.....	695	5.12
Dan. Goodhue 476.3 bushels oats.....	697	162.44
P. W. Artz, Hampshire ewe.....	773	35.00
H. F. Brown, Shorthorn bull.....	777	500.00
Diamond Elevator & Milling Co., corn.....	783	105.25
Freeman & Lanpher, bran.....	789	51.00
John Jackson & Son, Southdown ram.....	793	40.00
E. V. King & Co., corn.....	795	110.15
Northwestern Fuel Co., coal.....	803	
W. W. Stivers, printing.....	811	13.97
Thomas Teal & Son, "Berkshire" male.....	815	40.00
Frank Wiltzbacher, 15,290 pounds hay.....	820	91.74
Wyckoff, Seamans & Benedict, stencil and ink.....	821	2.75
Winston, Harper, Fisher & Co., four barrels salt.....	822	4.00
J. A. Vye, secretary, sundry disbursements.....	824	49.67
Wm. C. Bailey, white wood.....	928	3.76
Freeman & Lanpher, mill feed.....	937	79.75
J. M. Gardhouse, yearling ewe.....	939	30.00
A. F. Howland, oats.....	944	180.15
E. V. King & Co., 19,970 pounds hay.....	948	84.87
S. B. Loye & Sons, horse furnishings.....	953	7.50
Northrop, King & Co., seeds.....	961	2.05
Noyes Bros. & Cutler, drugs.....	963	.50
W. W. Stivers, apparatus.....	967	3.60
St. Anthony Hardware Co., hardware.....	971	2.80
David M. Tyffe, calf.....	976	29.70
Frank Wiltzbacher, 21,155 pounds hay.....	980	126.93
J. A. Vye, secretary, sundry disbursements.....	983	11.25
Theo. Anderson, 7,860 pounds hay.....	1103	47.16
F. Brinkerhoff, two ewes.....	1105	20.00
Max Chapman, one ewe.....	1112	50.00
Freeman & Lanpher, mill feed.....	1117	96.75
John Leslie Paper Co., paper.....	1129	1.43
Northwestern Fuel Co., coal.....	1138	100.00
Pierce Bros., corn (half load).....	1143	291.55
John A. Schlener & Co., stationery.....	1149	.50
A. J. Lasby, one pig.....	1150	6.50
F. H. Whitney, one sow.....	1157	40.00
H. P. West, three swine.....	1162	120.00

	No. Voucher.	Amount.
J. A. Vye, secretary, sundry disbursements.....	1168	6.06
John W. Aiton, four sows.....	1287	80.00
C. E. Clarke, one sow.....	1297	25.00
C. H. Dana, 300 sheep labels.....	1298	8.00
Freeman & Lanpher, bran.....	1303	24.90
G. W. Grant, two sows.....	1304	36.00
A. F. Howland, oats.....	1310	159.68
E. V. King & Co., 13,730 pounds hay.....	1313	44.62
F. H. Lindig, 6,090 pounds hay.....	1315	36.54
Noyes Bros. & Cutler, drugs.....	1325	1.50
Northern Linseed Oil Co., one ton oil meal.....	1326	25.00
Robert Spencer, services and disbursements.....	1337	10.10
Winston, Harper, Fisher & Co., six barrels salt.....	1343	6.00
Webb Publishing Co., reading notice.....	1344	10.00
Frank Wilzbacher, 15 tons straw.....	1345	45.00
J. A. Vye, secretary, sundry disbursements.....	1348	1,201.83
Freeman & Lanpher, mill feed.....	1523	55.99
A. F. Howland, oats.....	1526	198.56
Theo. Keller, 2 tons straw.....	1530	8.00
W. F. Lindig, 1½ tons straw.....	1531	4.50
Adam Lindig, 5,410 pounds hay.....	1533	32.46
A. E. Robertson, 4 tons straw.....	1545	14.00
Aug. Richter, 9½ tons straw.....	1546	33.25
J. A. Vye, secretary, sundry disbursements.....	1557	33.01
Theo. Anderson, hay.....	1673	23.28
Andrew Boss, 2 cows and expenses.....	1677	110.40
Andrew Boss, 10 steers and expenses.....	1678	387.46
Eagle Printing Co., 2,000 daily reports.....	1686	5.00
John Hardy, 1,720 pounds hay.....	1692	11.18
Peter Kordel, 4.8 tons straw.....	1698	14.40
M. P. & S. E. Lantz, 1 Angus bull.....	1699	360.00
Northrup, King & Co., seeds.....	1704	25.26
O'Brien Bros., 2 shorthorn cows.....	1711	115.00
James Tyson & Co., 1 Angus cow.....	1720	305.00
Union Railway Storage Co., plaster.....	1722	.85
J. A. Vye, secretary, sundry disbursements.....	1728	31.85
John A. Schlener & Co., stationery.....	1729	6.30
Andrew Boss, travel, Chicago.....	1799	7.75
Freeman & Lanpher, mill feed.....	1804	38.95
Northrup, King & Co., seeds.....	1812	1.79
Northern Linseed Oil Co., 2,000 pounds oil meal.....	1813	24.00
St. Anthony Hardware Co., hardware.....	1817	.40
J. A. Vye, secretary, sundry disbursements.....	1827	61.25
Borden, Schlick & Co., 2 milk scales.....	1853	9.00
Andrew Boss, sundry disbursements.....	1854	4.25
Bureau of Engraving, printing.....	1855	15.90
Diamond Elevator & Milling Co., 50 bushels corn.....	1857	33.75
Freeman & Lanpher, mill feed.....	1860	52.60
Forman, Ford & Co., painters' supplies.....	1862	18.34
B. S. Hoyt, 12,150 pounds hay.....	1866	51.64
Jas. J. Hill, 16 pigs.....	1867	117.02
E. V. King & Co., straw.....	1869	31.98
John A. Schlener & Co., stationery.....	1884	4.25
St. Anthony Hardware Co., hardware.....	1885	12.00
Zimmerman Bros., photo supplies.....	1889	2.47
Zenner Disinfectant Co., disinfectants.....	1890	3.75
American Linseed Oil Co., 1 ton oil meal.....	1894	26.00
J. A. Vye, secretary, sundry disbursements.....	1901	9.00
<b>Total</b> .....		<b>\$15,120.21</b>

### Division of Dairy Husbandry.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Theo. L. Haecker, professor.....	...	\$1,200.00

### Division of Veterinary.

#### CURRENT EXPENSE.

	No. Voucher.	Amount.
Myron H. Reynolds, professor.....	...	\$1,200.00
Teamster and laborers.....	...	289.74

## UNIVERSITY BOARD OF REGENTS.

119

	No. Voucher.	Amount.
Noyes Bros. & Cutler, drugs.....	136	12.50
Truax Bros., oats.....	145	13.64
Theo. Anderson, 960 pounds hay.....	150	4.80
Theo. Anderson, 630 pounds hay.....	154	3.15
J. A. Vye, secretary, sundry disbursements.....	165	1.05
Noyes Bros. & Cutler, drugs.....	304	23.21
M. H. Reynolds, sundry disbursements.....	316	1.98
Wyckoff, Seamans & Benedict, stationery.....	324	1.88
J. A. Vye, secretary, sundry disbursements.....	327	1.48
Theo. Anderson, hay.....	457	10.76
Theo. Anderson, 860 pounds hay.....	459	5.16
Truax Bros., oats.....	522	12.55
Noyes Bros. & Cutler, drugs.....	529	1.38
St. Anthony Hardware Co., hardware.....	535	1.10
Theo. Anderson, hay.....	642	11.49
J. A. Vye, secretary, sundry disbursements.....	689	3.42
J. A. Vye, secretary, sundry disbursements.....	690	1.25
Wyckoff, Seamans & Benedict, typewriter supplies.....	693	1.50
Brooks Bros., shavings.....	776	1.25
Noyes Bros. & Cutler, drugs.....	807	9.47
St. Anthony Hardware Co., hardware.....	810	1.12
Theo. Anderson, hay.....	924	11.82
Theo. Anderson, 955 pounds hay.....	925	5.73
Northwestern Fuel Co., one ton coal.....	960	4.13
Noyes Bros. & Cutler, drugs.....	963	17.16
St. Anthony Hardware Co., hardware.....	971	8.18
J. A. Vye, secretary, sundry disbursements.....	983	2.44
F. O. Boyd & Co., alcohol.....	1109	11.38
Noyes Bros. & Cutler, drugs.....	1139	27.11
St. Anthony Furniture Co., tables.....	1146	11.00
Twin City Telephone Co., rental.....	1153	1.50
J. A. Vye, secretary, sundry disbursements.....	1168	1.73
Noyes Bros. & Cutler, drugs.....	1325	23.50
New England Furniture & Carpet Co., brush mats.....	1327	6.50
St. Anthony Hardware Co., hardware.....	1331	1.00
Twin City Telephone Co., line rental.....	1339	1.50
Zimmerman Bros., chemicals.....	1347	1.91
Theo. Anderson, 950 pounds hay.....	1516	5.70
A. F. Howland, oats.....	1526	42.28
New England Furniture & Carpet Co., book holder (one-half).....	1542	2.13
John A. Schlenner & Co., stationery.....	1549	.90
Twin City Telephone Co., line rental.....	1551	1.50
Truax Bros., oats.....	1552	14.35
J. A. Vye, secretary, sundry disbursements.....	1557	3.02
Theo. Anderson, hay.....	1673	11.70
Theo. Anderson, 1,990 pounds hay.....	1674	13.44
Andrew Boss, one cow.....	1676	27.50
Twin City Telephone Co., rental.....	1721	1.50
J. A. Vye, secretary, sundry disbursements.....	1728	2.93
The John Leslie Paper Co., paper.....	1806	1.43
St. Anthony Hardware Co., hardware.....	1817	1.00
John A. Schlenner & Co., stationery.....	1819	.60
Schuneman & Evans, dry goods.....	1821	4.72
Twin City Telephone Co., rental.....	1822	1.50
Zimmerman Bros., photo supplies.....	1826	5.32
J. A. Vye, secretary, sundry disbursements.....	1827	5.08
Hoyt Plant & Seed Co., 2,650 pounds hay.....	1865	15.90
E. V. King & Co., straw.....	1869	10.00
W. K. Morrison & Co., hardware.....	1872	18.17
St. Anthony Hardware Co., hardware.....	1885	.70
C. W. Gray Printing Co., printing.....	1898	1.10
J. A. Vye, secretary, sundry disbursements.....	1901	2.55
Pioneer Press Co., printing.....	1880	7.50
Total .....		\$1,952.99

## EXPENDITURE OF SPECIAL APPROPRIATIONS AT THE AGRICULTURAL SCHOOL.

### VETERINARY AND LIVE STOCK BUILDING.

Appropriation ..... \$25,000

The veterinary and live stock building has been completed and equipped within the appropriation of \$25,000.

There were five bids for the erection of the building, of which Mr. C. N. Lovene's was the lowest, and the contract was let to him for \$11,630.

There were three bids on the construction of the tunnel to the veterinary hospital. Mr. Lovene's bid in this case was also the lowest, and the contract was let to him for \$2,244.

Five contractors bid on the heating of the building, and the job was let to C. N. Wentworth & Co., whose bid of \$1,090 was the lowest, amount of radiation considered.

The plumbing contract was let to Holt & Dahlby, the lowest of five bidders, for \$228 plus \$50 for sewer.

Following is a list of expenditures:

C. N. Lovene, contract for building .....	\$11,630.00
C. N. Lovene, contract for tunnel .....	2,244.00
C. N. Lovene, contract for stalls and equipment.....	2,564.00
C. N. Lovene, labor and material for shelving in office and pharmacy, extra wainscoting and windows, museum cases and tables, floor in attic, skylight, grading, etc.....	1,303.63
Advertising for bids.....	8.40
Heating, including part payment for boiler.....	1,090.00
Plumbing contract and extras.....	437.39
Steam fitting, labor and material.....	795.33
Electric wiring.....	265.00
Extra carpenter work.....	42.20
Lumber .....	20.15
Apparatus .....	498.85 ✓
Architect's fees.....	650.00
Gas plant.....	318.00
Signs .....	40.00
Grading, planting and seeding.....	745.07
Furniture .....	641.18
Sidewalks .....	181.04
Hardware .....	69.79
Balance for microscopes and other scientific apparatus for which requisitions have been granted.....	1,445.97
<b>Total .....</b>	<b>\$25,000.00</b>



CHEMICAL LABORATORY.

Appropriation ..... \$25,000 ✓

The contract for the laboratory for agricultural chemistry was let to Mr. C. N. Lovene, the lowest bidder, for \$17,932. An additional contract was also made for Kasota stone in the basement amounting to \$280, making his total contract \$18,212.

The steam heating contract was let to Hurley & Company, of St. Paul, for \$1,348. The rough plumbing was also let to the same firm, for \$641, making their total contract, \$1,989.

The following is a statement of the expenditures:

Building .....	\$18,212.00
Heating and rough plumbing.....	1,989.00
Desks and furniture.....	1,999.00
Shades .....	70.85
Ventilating system and power.....	333.75
Chairs for lecture room.....	66.25
Plumbing, gas, water, etc.....	324.00
Electric light and wiring.....	431.00
<b>Total .....</b>	<b>\$23,925.85</b>

ESTIMATED EXPENSES.

(In no case will items exceed amount specified.)

Architect's fees.....	\$750.00
Installing ventilating system.....	90.00
Repairs to old laboratory.....	75.00
Grading about building.....	75.00
Making kitchen chairs suitable for lecture room.....	60.00
<b>Total .....</b>	<b>\$1,050.00</b>
<b>Total .....</b>	<b>\$24,975.85</b>
Original appropriation.....	\$25,000.00
Expenses .....	24,975.85
<b>Probable balance.....</b>	<b>\$24.15</b>

1075.15 / 1902-2  
 1902-3

1755

1755

1755  
266

## IMPROVEMENTS AND EQUIPMENT OF DAIRY HALL.

Appropriation ..... \$3,000

Improvements and equipment to the Dairy Hall have been added at a cost of \$3,000.

The following is a list of expenditures:

Macninery and utensils.....	\$1,453.20
Lumber .....	173.57
Carpenter work.....	283.36
Steam fitting.....	267.11
Paints and glass.....	64.93
Hardware .....	146.72
Furniture .....	30.50
Labor .....	38.87
Cement floor.....	252.15
<b>Total .....</b>	<b>\$2,710.41</b>

The balance of the appropriation, \$289.59, is to be used for sidewalks about the building, and some other items for which requisitions have been granted.

## ADDITION TO BLACKSMITH SHOP.

Appropriation ..... \$3,000 ✓

At a meeting of the Building Committee of the Board of Regents of the University, held at the office of the architect, 607 Lumber Exchange, Aug. 5, 1901, proposals were received for the erection of addition to blacksmith shop, as follows:

C. N. Lovene, plan No. 1.....	\$2,296.00
C. N. Lovene, plan No. 2.....	1,447.00
August Cederstrand, plan No. 1.....	2,600.00
Contract awarded to C. N. Lovene, \$1,447, under plan No. 2.	
Contractor's bid.....	\$1,447.00
Necessary changes.....	71.60
Architect's fees.....	52.50
Sewer pipe for forges.....	76.00
Timber for anvil blocks and seats.....	60.32
Anvils (20).....	117.46
Creosote for anvil blocks.....	10.00
Blower, exhaust fan, etc.....	202.50
Motor .....	330.00
Wiring, etc., for motor.....	33.34
Hoods for forges.....	46.00

Piping for forges.....	362.75
Leather belting.....	14.99
Rope for belting, shovels, coal hods, etc.....	30.67
Tuyere irons, vises and drill press.....	116.04
Barrels for stack tubs.....	9.00
Oil and paint for roof.....	16.65
One set twist drills.....	3.18
Total .....	<u>\$3,000.00</u>

## GIRLS' DORMITORY.

Appropriation ..... \$12,000 ✓

An addition in the form of a wing has been built to the girls' dormitory and equipped within the appropriation of \$12,000.

There were three bids offered of which Mr. C. N. Lovene's was the lowest, namely, \$8,850.

The following is a statement of the expenditures:

C. N. Lovene, contract for building.....	\$8,850.00
Heating contract, \$590; boiler, \$720.....	1,310.00
Electric wiring.....	275.77
Architect's fees.....	350.00
Furniture .....	900.46
Decorating .....	50.00
Hardware .....	13.57
Advertising .....	5.40
C. N. Lovene, extra labor and material.....	68.00
Balance .....	<u>176.80</u>
Total .....	<u>\$12,000.00</u>

Requisitions have been granted for a part of this balance.

## MEAT HOUSE.

Appropriation ..... \$7,500

The new meat house has been completed and equipped within the appropriation of \$7,500. There were three bids for the erection of the building, of which that of C. N. Lovene was the lowest, \$4,666.

The following is a list of the expenditures:

C. N. Lovene, contract for building .....	\$4,666.00
C. N. Lovene, contract for extra insulation and for foundation for compressor .....	322.50
A. H. Barber & Co., Chicago, refrigerating machinery.....	1,476.16

Holt & Dahlby, St. Paul, plumbing.....	110.00
Minneapolis Electrical Construction Co., electric wiring.....	106.00
Northern Electric Co., motor.....	252.00
Architect's fees.....	200.00
Heating, put in by regular help.....	367.34
<b>Total .....</b>	<b>\$7,500.00</b>

## BUILDING FOR SWINE BREEDING.

Appropriation ..... \$3,000

In the spring of 1902, a building, composed of two wings 28x60 ft., and joined by a main part 28x42 ft., was planned. Owing to the advance in material and labor it was found impossible to get bids low enough to permit of the erection of the entire building within the appropriation. One wing was consequently dropped and a contract for the remaining portion awarded to P. Benson of Minneapolis for a brick walled building with cement floors and shingled roof. The contract price was \$2,300. In addition to this amount there has been expended to date, \$22.63 for water pipe, \$79.80 for scales, \$80.50 for architect's fees, and \$4.86 for sewer pipe. The balance of \$512.21 will be needed for electric lights, paving, and fencing the adjacent yards and in grading about the building. It is estimated also that there will be sufficient money to conduct heat to the building from the veterinary hospital, and for troughs and other fixtures in the feed rooms.

## SUB-STATIONS.

## GRAND RAPIDS STATION.

A very complete basement barn has been constructed out of the appropriation of \$1,200 for that purpose.

The account for maintenance stands as follows:

Balance August 1, 1900.....	\$70.56
Appropriation for year ending July 31, 1901.....	3,250.00
Cash receipts.....	967.14
<b>Total .....</b>	<b>\$4,287.70</b>
To expenses paid.....	4,269.21
<b>Balance for year ending July 31, 1901.....</b>	<b>\$18.49</b>
Appropriation for year ending July 31, 1902.....	4,000.00
Cash receipts.....	1,562.27
<b>Total .....</b>	<b>\$5,580.76</b>

	Dr.
By expense.....	\$4,939.50
Balance cancelled by state auditor.....	18.49
Balance .....	622.77
	<hr/>
Total .....	\$5,580.76

## CROOKSTON STATION.

An appropriation was made of \$6,500, available in the year ending July 31, 1902, for constructing a barn for the care of live stock. From this appropriation \$863.79 has been expended in building an addition to the original barn. The balance of \$5,636.62 remains unexpended for the reason that we were not able, on account of the high prices of material and scarcity of labor, to construct the barn as planned within the appropriation. The plans will be revised and the barn constructed in the spring of 1903. An appropriation of \$2,500 was made for the purchase of improved live stock. Only \$35 has been expended for the reason that it was deemed best to wait until the barn was constructed.

Of the appropriation of \$1,000 for fencing and drainage, \$882.02 has been expended. The balance will be required to complete the fence.

The current expense account stands as follows:

Annual appropriation for year ending July 31, 1901.....	\$5,250.00
Cash receipts from farm.....	880.83
	<hr/>
Total .....	\$6,130.83
To expenses paid.....	5,900.58
	<hr/>
Balance from the year ending July 31, 1901.....	\$230.25
By appropriation for the year ending July 31, 1902.....	6,000.00
Cash receipts.....	1,147.94
	<hr/>
Total .....	\$7,378.19
	 Dr.
To expenses paid.....	\$7,377.49
Balance cancelled by state auditor.....	.70
	<hr/>
Total .....	\$7,378.19

A continuance of the present appropriations for maintenance, i. e., \$4,000 per year for the Grand Rapids station and \$6,000 per year for the Crookston station, will probably be adequate.

## AGRICULTURE IN THE RURAL SCHOOLS.

The Board of Regents placed in the hands of Dean Liggett of the Department of Agriculture the work of devising and carrying out a plan for the profitable expenditure of the appropriation of \$4,000 made by the 123rd subdivision of Sec. 2 of Ch. 381 of the Laws of 1901. A bulletin is now in the hands of the printer, prepared under the superintendence of Professor Hays, who was placed in charge, assisted by Mr. F. J. Wajta, B. Agr. Wisconsin University, and Professor William Robertson. It contains 230 exercises prepared by the editors and the faculty on topics of general interest and utility. It will be distributed to all the schools, and we venture to predict will be found interesting, instructive and useful. The preparation, printing and distribution of this book will about exhaust the appropriation.

## EXPENDITURE OF SPECIAL APPROPRIATIONS AT THE UNIVERSITY. ✓

Rearrangement of chemical building.....	\$20,000.00
Enlargement of mechanic arts building.....	20,000.00
Total .....	\$40,000.00

Appropriated at the session of 1899, available in fiscal year ending July 31, 1901.

After careful inspection of the plans and specifications it became apparent that the purpose of the enlargement of the Mechanic Arts Building would be more economically and better accomplished by putting up detached shops. Bids were first received for this improvement and the rearrangement of the chemical building separately, and were all rejected because it became apparent that a contract for both could be let cheaper on account of the opportunity thus offered, the contractor to use the old material in the one in the construction of the other. Accordingly the improvements were advertised together and the contract let to F. G. McMillan for \$29,846.

## EXPENDITURES.

Building contract and extras.....	\$31,388.85
Plumbing .....	2,485.65
Heating .....	1,098.00
Equipment .....	1,943.55
Architect's fees.....	1,330.00
Grading .....	500.00
Electric wiring.....	271.02
Miscellaneous items.....	982.93
Total .....	\$40,000.00

**ERECTION AND EQUIPMENT OF BUILDING FOR DEPARTMENT OF  
ENGINEERING AND MECHANIC ARTS.**

Appropriation ..... \$60,000.00

This appropriation was expended according to its plan and purpose in the erection of a front part to the shops for mechanical engineering built under the appropriation of 1899, and an adjacent building for the electrical engineering department. The contract for the building was let to R. McMillan & Co., the lowest of six bidders, at \$26,731. Extras brought this amount up to \$27,324.76.

**EXPENDITURES.**

Building .....	\$27,324.76
Equipment .....	18,241.83
Plumbing and heating .....	4,789.39
Miscellaneous material and labor .....	2,100.21
Chimney .....	1,550.00
Boilers .....	1,706.86
Electrical wiring .....	493.22
Architect's fees .....	1,120.00
	\$57,326.27
Total .....	\$57,326.27
Balance .....	\$2,673.73

This leaves a balance of \$2,673.73 for which requisitions have been granted and are now outstanding.

**PHYSICS BUILDING.**

Appropriation at session of 1899 .....	\$25,000.00
Appropriation at session of 1901 .....	50,000.00
	\$75,000.00
Total .....	\$75,000.00

The contract for construction was let to F. G. McMillan, the lowest of eight bidders, at \$47,591; the plumbing to Hoy & Co., for \$2,275; the heating plant to Tunstead Heating Co., for \$3,001; the electric light system to The Electric & Construction Co., for \$1,771.

## EXPENDITURES.

Building .....	\$42,592.50	
Tunnel to the building for pipes.....	3,185.56	
Heating .....	3,001.00	
Architect's fees.....	1,570.40	
Plumbing .....	2,275.00	
Electric light system.....	1,771.00	
Equipment .....	724.25	✓
Grading and walks.....	280.04	
Miscellaneous material.....	165.24	
	<hr/>	
Total .....	\$55,564.99	✓
	<hr/>	
Balance .....	\$19,435.01	

The building is substantially completed. The main part of the equipment is yet to be provided, and will require the balance of the appropriation.

## GENERAL LIBRARY.

Balance August 1, 1900.....		\$1,175.84
Appropriation for 1900-1901.....		7,000.00
Disbursements for 1900-1901.....	\$6,673.28	
Credit balance.....	1,502.56	
	<hr/>	
Total .....	\$8,175.84	\$8,175.84
	<hr/>	
Balance August 1, 1901.....		\$1,502.56
Appropriation .....		7,500.00
Disbursements, 1901-1902.....	\$7,583.52	
Cancelled by state auditor.....	279.33	
Balance August 1, 1902.....	1,139.71	
	<hr/>	
Total .....	\$9,002.56	\$9,002.56
	<hr/>	
Credit balance August 1, 1902.....		\$1,139.71

## SCHOOL OF MINES—SUPPORT.

Appropriation, August 1, 1900.....		\$5,000.00
Appropriation, August 1, 1901.....		5,000.00
Disbursements, 1900-1901.....	\$10,000.00	
	<hr/>	
Total .....	\$10,000.00	\$10,000.00

## REPAIRS.

Appropriation for 1900-1901.....		\$5,000.00
Disbursements, 1900-1901.....	\$4,996.60	
Balance, 1900-1901.....	3.40	
	<hr/>	
Total .....	\$5,000.00	\$5,000.00



## UNIVERSITY BOARD OF REGENTS.

129

Balance August 1, 1901.....		\$3.40
Appropriation for 1901-1902.....		8,000.00
Disbursements, 1901-1902.....	\$7,366.27	
Cancelled by auditor.....	3.40	
Balance .....	633.73	
<b>Total .....</b>	<b>\$8,003.40</b>	<b>\$8,003.40</b>
Credit balance August 1, 1902.....		\$633.73

## PRINTING.

Appropriation for 1901-1902.....		\$2,000.00
Disbursements, 1901-1902.....	\$1,030.00	
Balance August 1, 1902.....	970.00	
<b>Total .....</b>	<b>\$2,000.00</b>	<b>\$2,000.00</b>
Balance August 1, 1902.....		\$970.00

## CURRENT EXPENSE.

The balance of \$24,291.15 appearing to the credit of the current expense account at the close of the year ending July 31, 1902, is in one sense unreal, for the reason that in June and July the receipts are unusually large, coming from the June settlement of taxes, the interest on the University fund, and the Federal treasury. If the funds available for the support of the University were received in equal monthly amounts, the above balance would entirely disappear. Indeed this inequality in the monthly receipts sometimes produces financial stringency, which is somewhat alleviated by the course of business long in practice, which is as follows: By a rule adopted by the Board of Regents, long ago, no officer, professor, agent or other person is authorized to incur any indebtedness in behalf of the University without a requisition previously granted by the board or its executive committee. Under this rule whenever anything is wanted the head of the department in which the need arises makes requisition in writing, upon forms provided for the purpose, stating what is wanted and the estimated cost. The Executive Committee considers the application, obtains such additional information as is necessary, if any, to determine the necessity and cost of the thing asked for, and refuses, grants or modifies the requisition. If granted in whole or in part the committee give such directions as they may deem necessary for the economical procurement of the thing needed, which quite often is of such a char-

acter as to require skilled agents. After the articles mentioned in the requisition are purchased, or the work specified therein is done, bills therefor are presented to the executive committee by those who have furnished the things or done the work, which, if found correct, are approved. The receipt of payment of these bills is then procured by the accountant in duplicate, and expense lists, to which are attached one of the series of duplicate receipts, are then forwarded to the state auditor, who draws his warrant on the state treasurer for the amount in favor of the treasurer of the University, and checks are then sent out for the payment of the bills signed by the accountant and countersigned by the president of the University. A delay, often of two or three months, in going through this process, helps to relieve somewhat the stringency arising from the irregularity of the income receipts. In consequence of the greatly increased attendance, which, as is previously stated, is  $11\frac{1}{4}$  per cent greater than the enrollment in 1901, when the last appropriations were made, and after a careful consideration of present conditions, not overlooking the fact that the increase in the valuation of the taxable property of the state will, in due time, increase the income derived from the University special tax (which increment, however, judging from the past, will be fully offset before the close of the current biennial period, by the additional expenses entailed by increased attendance) the board are of the opinion that there is an imperative necessity for an appropriation of \$50,000, for current expenses for each of the years ending July 31, 1904, and July 31, 1905, being \$15,000 per year more than heretofore granted.

#### COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

The college of letters should be enlarged in the scope of its instruction, especially on the lines of political economy and sociology, if it is to meet modern requirements. But it is deficient in room even for its present curriculum. The president of the University in his report to the board says that "the departments of political economy, history, English literature and others have only one lecture room each, while they have from three to seven instructors, and that one lecture room for each department is not enough."

Dr. Northrop adds that he knows of no way to provide what is needed except to erect a building large enough to provide for all the needs of the department of philosophy, to furnish at least four

general lecture rooms, and provide for the needs of one or two language departments. The board earnestly concur with the president and beg to represent that the need of such a building is very great.

It would cost at least, \$100,000, and we recommend that that amount be appropriated for the construction of a building for language and literature.

#### THE COLLEGE OF ENGINEERING AND MECHANIC ARTS.

The work in this college has been carried on with marked success. The demand for its graduates is so great by business concerns that it is difficult to keep abreast of it. Professor Shepardson of the electrical department reports that during the last six months calls have been made for nearly five times as many as are in the graduating class.

The physics building is now completed and occupied. It was carefully planned for its uses, and well constructed. The planning and construction of it have had the intelligent, persistent and faithful attention of Professor Frederick S. Jones, now the Dean of the College.

The new buildings, one for mechanical engineering, and one for electrical engineering, have added greatly to the efficiency of the departments, and rendered instruction therein more productive and satisfactory. These buildings are as large and well constructed as the amounts appropriated therefor would allow. It is hoped the college is now supplied with room for years to come.

Present conditions require the repair and partial rearrangement of the old Mechanic Arts building. Additional equipment for the new buildings of the mechanical and engineering departments is necessary to produce the best results, especially for the partially equipped electric light and power plant, which is expected to show marked economy over buying electric light and power from the local company.

For these purposes we respectfully ask an appropriation of \$30,000.

#### THE SCHOOL OF MINES.

The school of mines was established as a new department of the University in 1891, with an appropriation of \$6,000 for opening it and furnishing it with suitable apparatus. It was deemed prob-

lematical whether such a school was needed. The result has fully justified its establishment, and it meets an important demand for specialists in the development and carrying on of the important mining interests of the state. The school registered in the last year 109 students. Two separate buildings have been provided for its accommodation. One of them, the ore-testing building, was damaged by fire last summer, presumably the result of lighting, and its machinery and contents injured or destroyed. The property was fully covered by insurance. The loss on the building was settled with the insurance companies by their paying the contract price, under a contract entered into with R. McMillan & Co., for its restoration, viz., \$2,300, and the damage to the machinery and other contents was adjusted at an amount deemed adequate to restore and replace them, viz., \$3,842.34. The other building, for which there was appropriated by the last legislature \$47,500, is now in process of construction, and it is hoped that it will soon be ready for occupancy. It was found that the building as originally planned could not be built and equipped within the appropriation; and it was reduced in size to the final limit of adequacy, and still on account of the increased cost of building the bids were still not within the appropriation. Rather than delay a building for which there was an immediate and imperative necessity, and rather than build an inadequate and unsatisfactory one, the board took the responsibility of letting the contract leaving the third floor unfinished. This building and the ore-testing building when restored and completed with their machinery and other equipment are deemed adequate to meet the public demands for years to come. We venture to hope that the course of the Regents in these matters will meet the approval of the legislature, and that an appropriation of \$25,000 will be made to complete the construction and equipment of the new building.

#### DEPARTMENT OF AGRICULTURE.

The agricultural department, which includes the college of agriculture, the school of agriculture, the dairy school, the farmers' short course and the experiment station, has continued to grow in efficiency and usefulness during the two years just past. The prospect is for a largely increased attendance the current year.

There have been in all 397 graduates from the regular school course and about 900 from the dairy school. Of the graduates

from the regular school course 82 per cent are engaged in farming, or teaching, or experimentation in agriculture.

The new departure in agricultural education, first inaugurated in this state, and designed to carry forward such education upon two separate lines, viz., the college scientific course of four years leading up to the degree of Bachelor of Agriculture, and the school course of two years conducted mainly on practical and utilitarian lines, has continued to demonstrate its value and to call forth encomiums not only from our own people, but from other agricultural institutions of the country. Indeed agricultural education as carried on in the University is assigned a front rank by the highest authorities on the subject. The success of the system and the great benefits flowing from it are matters of sincere congratulation to our people. The enrollment of 21 last year in the college course is not so large as present conditions would justify. There is a demand for thoroughly educated men in the science of agriculture, for the work of investigation and research, and for professors, instructors, guides and leaders in the agricultural institutions.

The new buildings erected and equipped during the biennial period have added much to the efficiency and usefulness of the school and station.

The new chemical building will not be ready for occupancy before the opening of the winter term. This building furnishes much needed accommodation for both school and station work in agricultural chemistry. Owing to the material increase in the cost of building materials and labor, the appropriation granted permitted only the construction of the building, and left no funds for equipment. The building itself will be completed without deficit. The laboratory tables and fixtures from the old laboratory will be removed and used in the new building.

In this division the work of investigation has been largely along food and soil lines. Free analyses of materials sent in by the farmers and citizens of the state are made whenever the results are of public value.

The course in the dairy school, which is believed to be of great benefit to the dairy interests of the state, will hereafter be given in November, instead of January.

The vacancy in the teaching force and in the experiment station caused by the death of Dr. Lugger has been filled by the election of Prof. F. L. Washburn, who began work June 1, 1902.

Prof. Thomas Shaw resigned his position as Professor of Animal Husbandry, in April, 1902. His resignation was accepted by the Board of Regents, and Mr. Andrew Boss, associate professor of agriculture, was placed in charge of animal husbandry. Professor Shaw has been employed as instructor in live stock in the school of agriculture to give one-half his time to the work during the six months of the school year.

The experiment station has continued, during the biennial period, to conduct investigations and experiments along lines most useful to the farmers of the state. The two new varieties of wheat known as Minnesota No. 163 and Minnesota No. 169, which were originated at the station, and which have been distributed to the farmers of the state, give promise of being of great value. The method of distributing these new varieties of grains is worthy of mention. Instead of distributing gratuitously and indiscriminately small quantities of seeds to all who apply for them, as is done in the government distribution, lots of four bushels each are sold at a fair price to careful and painstaking farmers in the different sections of the state, who in turn raise crops from this seed and sell to their neighbors at a fair advance over market prices.

During the two years the experiment station has issued six bulletins for general distribution, two class bulletins and six press bulletins.

No pains have been spared to make the work of the substations at Crookston and Grand Rapids as useful as possible to their respective sections of the state. The work of Mr. Chapman, at Grand Rapids, in reforesting cut over timber lands, and in issuing short bulletins on timely topics to the farmers is worthy of special mention.

The school of agriculture is in pressing need of more dormitory room. For several years the dormitories for boys have been inadequate, and many students have been obliged to find rooms in St. Anthony Park, and the two cities. It is thought that the boarding facilities are sufficient to accommodate the occupants of an additional dormitory, the cost of which would be about \$40,000. The erection of a large main building, the need of which was set forth in our last report, cannot profitably, in our opinion, be postponed any longer. Natural and rapid development has made a larger foundation necessary. The room now used for a chapel will no longer accommodate the students of the regular course, and there is no room large enough to contain the students when called upon to assemble. It is respectfully suggested that true econ-

omy requires that such building be substantially constructed, without expense for ornament, be made fireproof, at least in parts, and be large enough to meet not only the needs of the present but the requirements of the future. It is anticipated that in the not far distant future one thousand boys and girls will present themselves for the benefits of the regular course. The agricultural division requires the entire basement of such a building, so that farm laboratory work and demonstration may be carried on in the winter when out door work with soils and machinery is impossible. A portion of the second and third stories would be required for an assembly hall, and the remainder thereof for executive officers, now in temporary quarters in the dairy building; for class rooms of sufficient size to accommodate classes which have outgrown their present quarters, and so rendered division of classes necessary at increased cost for teaching; for permanent quarters for the division of entomology; for the safe-keeping and comfortable use of the library, records of experiments, collections for an agricultural museum, records and publications of the experiment station, now stored in the dairy building, and for rooms for editing and mailing the station bulletins and other publications. The use of such a building for the purposes indicated would relieve the congestion in the other buildings by leaving additional space to meet the requirements of the divisions that remain in them. It is estimated that the cost of the construction and equipment of a building to meet these requirements at the present advanced price of labor and materials would not be less than \$225,000.

Good husbandry requires that farming implements, carriages and tools shall be housed, and the school should most certainly have the benefit of, and illustrate, this rule. There is now no storage room. It is thought that a barn can be constructed, suitable and adequate for this purpose, for \$5,000.

We respectfully recommend that an appropriation of \$270,000 be made for the construction and equipment of such main building and for an additional dormitory for boys, and for a barn for storage purposes.

#### THE COLLEGE OF LAW.

An addition to the law building is needed. The library rooms in the present building are taxed to their utmost capacity, and new books cannot be added and leave adequate room for the use

of the library. The department also needs more and larger rooms for classes, moot courts and lectures, and smaller private rooms for its officers. It has been necessary the last two years to hire a hall in a private building. The law library numbers 13,500 volumes of books and pamphlets, which have been most economically collected together largely through a system of exchanges. A collection, in 510 volumes, of the paper books and briefs in the cases argued in the Supreme Court from 1888 to 1900 was donated to it in the year last past by Mr. Justice Collins, of the Supreme Court, and the Hon. H. W. Childs, lately Attorney General, a valuable acquisition for a law library. The dean estimates the value of the library at \$35,000. A fire proof addition to the present building, such as was contemplated when it was built, is necessary to relieve its congestion.

Its estimated cost is \$30,000, and we respectfully recommend that that amount be appropriated for the purpose.

#### THE COLLEGE OF MEDICINE AND SURGERY.

This college registered in the year 1900-01 330 students; in the year 1901-2 362 students; and it has entered for the current year up to date of this report about 300. Dr. Beard, the secretary of the faculty, expresses, in its behalf, the opinion, which is no doubt correct, that the increased attendance of last year and the decreased registration in this are due to a common cause, the one in anticipation, the other in consequence, of the higher requirements for entrance, which took effect at the opening of the current year. The advanced requirements for admission are the same as for admission to the sophomore class in the college of science, literature and the arts. The requirement of the college course, or a part of it, as intermediary between the high school and the professional school must be deemed in some degree experimental. Two of the leading medical colleges now require the full degree. The faculty are satisfied that the admission of a class of 50 in the first year of these advanced requirements justifies the progressive step, which has for its object the turning out of men better fitted for professional work, even if the number be reduced, and of thus better conserving the public health, and keeping the college now well established on its merits in the medical world in line with the best of them in progressive spirit and accomplishment.



The department of medicine is deficient in facilities for laboratory work. Laboratories are absolutely essential for research and investigation, and the trend of medical education is in the direction of more individual work and illustration in laboratories, due, no doubt, to the theories now well advanced of the germ origin of disease. In their work of research and investigation the State Board of Health and the division of pathology and bacteriology of the University, of which the accomplished Dr. Westbrook is the head, have heretofore been helpful, and can be made more helpful, to each other, and helpful and instructive to our students. Both are cramped for room to meet modern requirements. To meet these requirements it has been proposed that a new building be erected on the campus to accommodate both the work of the State Board of Health and the work of pathology and bacteriology of the medical department of the University, in which proposition this board heartily concurs for reasons already appearing. This will relieve the crowded medical science building and afford better accommodations therein for the chairs of histology and embryology, and for the college of pharmacy, which is sadly in need of more commodious quarters. It is suggested that in order to forestall any future question as to division of occupancy the State Board of Health be assigned the use of a designated part of the building and the University the use of the remainder, to be adjusted, perhaps, by the authorities of the two institutions by agreement between them, when the plans are settled upon. The cost of the construction and equipment of a building adequate to meet present and prospective requirements is estimated at \$125,000.

In March, 1902, the anatomical building was damaged, and part of its contents destroyed by fire. The loss on both building and contents was fully covered by insurance. The building was fully restored by the insurance companies at an expense of \$4,898.95. The loss on the contents was adjusted at \$2,500, with which the damaged and destroyed articles were replaced as far as they could be. The museum suffered the incidental loss of pathological specimens which could not be replaced, and embarrassment would have followed but for the fact that fortunately a portion of such specimens were in another building and available for use in the classes.

The clinical building is inadequate for the uses demanded of it, and we respectfully ask for an appropriation of \$25,000 for its enlargement.

## COLLEGE OF DENTISTRY.

The work in this college is of a high order, and its graduates find ready appreciation and employment. The college has outgrown its quarters, in one end of the old medical building, and its students can no longer be fitly accommodated and instructed therein.

We beg to suggest that it would be true economy to give this college a permanent home adequate for the present and the future. This would require a building that would accommodate, say, 300 students, containing an amphitheatre large enough to hold them, four laboratories, two other lecture rooms, an infirmary to accommodate 80 students, a room for the library, and business offices. Such a building would provide permanently for present and future wants, for it is thought that a school much larger than 300 is undesirable on account of the difficulty of maintaining the desirable contact between teacher and pupil. The tuition is \$100 per year, and it is thought that supplied with these facilities the college would soon become self-supporting.

A substantial, plain building furnishing the accommodation above indicated would cost \$70,000, and we respectfully recommend that that amount be appropriated for the construction and equipment of such a building.

## COLLEGE OF PHARMACY.

Proper accommodation has never been provided for this college, but it is thought that enough space may be found in the portion of old buildings to be vacated, if the foregoing recommendations are carried out, to meet present requirements.

## GEOLOGICAL AND NATURAL HISTORY SURVEY.

The survey has been prosecuted the last two years on the natural history lines.

The fund for prosecuting the survey arises from the proceeds of the sale of the Salt Spring lands, so called, the trust of disposing of which and applying the proceeds to the expenses of the survey having been reposed, by law, in the Board of Regents.

The balance to the credit of this fund August 1, 1900, was.....	\$17,082.23
The receipts from land and stumpage sales in the year ending July 31, 1901, were.....	54,339.09
Total .....	\$71,421.32
The expenditures the same year were.....	21,703.90
Balance August 1, 1901.....	\$49,717.42
The receipts from land and stumpage sales in the year ending July 31, 1902, were.....	16,757.39
Total .....	\$66,474.81
The disbursements the same year were.....	18,682.97
Balance August 1, 1902.....	\$47,791.84

Land contracts are now outstanding to the amount of \$13,578.06.

Only two tracts of agricultural land amounting to 240 acres remain unsold, the estimated value of which is about \$10 per acre.

The title also still remains in the state of 4,620 acres in Itasca county, granted as indemnity lands, the stumpage upon which has been sold and paid for, but the timber has not yet been all removed.

It is evident from this statement that the fund at the disposal of the board will not be adequate for a thorough natural history survey, but the policy will be continued of expending what there is, with the purpose of producing the best economic and utilitarian results. The cost of publishing and disseminating the reports of the survey takes from the fund a large amount of money which might otherwise be used in field work and investigation. Reports will be ready for the printer during the current biennial period to publish and disseminate which will require an expenditure of \$10,000.

A great and rare mass of material has been collected as the results of the survey, and the time has come when provision must be made for the safe-keeping, exhibition and convenient and practical use for instruction of this valuable property. The work done in the past two years and the condition and needs of the departments of botany and zoology follow.

#### BOTANICAL DEPARTMENT.

The work of this department has continued to be vigorously prosecuted during the last two years, under the direction of the accomplished state botanist, Professor MacMillan.

Field work was prosecuted during the summer of 1901, in the Red River Valley, along the international boundary, in the valley of the Minnesota river, in St. Louis and Cook counties, in southeastern Minnesota, and in the twin city district; during the summer of 1902, in Itasca and Jackson counties, in southeastern Minnesota, in the extreme northeast corner of the state and in the twin city district, reports of the results of which will appear in the publications of the survey.

The accessions to the library of the department during the biennium amount to 558 bound volumes, and about 1,800 pamphlets; making a total library at the date of this report of 3,916 bound volumes, and about 15,000 pamphlets.

During the last two years covered by this report 34,089 specimens of plants have been added to the herbarium, exclusive of the collections made by the field staff during 1902. Fifty-two new cases of specimens have been added, bringing the total number up to 201. Some 30,000 specimens have been incorporated by the herbarium staff, and the whole collection is in better shape than ever before. Exchanges outstanding will net the collection some 15,000 additional specimens. The photographic survey has been extended during the two years from 873 to 3,735 negatives.

Since the last report there have been discovered 228 varieties of plants not previously known to exist in Minnesota, some of which are new to science.

During the period covered by this report, Professor MacMillan has issued two additional parts of his "Minnesota Botanical Studies," comprising 244 octavo pages, and 21 plates, and vol. 2 of this valuable series has been brought to a close; and various contributions have been made to botanical journals by the chief and his assistants.

Owing to lack of space the additions to the museum cannot be displayed. There have, however, been added some 3,000 jars of material, much of it of great importance.

The need of a fire proof building to accommodate and safeguard this vast collection, the library, the museum and the laboratories, and for class rooms, is imperative. The botanical collection is very valuable and useful, and is probably the most important scientific asset of the state. When it is considered that the science of botany, the science which deals with plant life, plant breeding, plant diseases and their prevention and cure, is the foundation of the science of agriculture, the most important interest of the state,

it would seem that suitable accommodations for the safe-keeping and use of the property of this department, now, and in the future, should no longer be delayed.

The cost of a building which would meet the requirements of the situation, at the increased cost of labor and material, would not be less than \$100,000, and we beg leave to suggest that no economic advantage would be answered by a lesser appropriation. The erection of inadequate, contracted and unsuitable buildings leads to waste, for they are not enduring, and do not well meet the requirements of the present and still less the demands of the future.

We respectfully recommend a legislative appropriation of \$100,000 for this purpose.

#### ZOOLOGICAL DEPARTMENT.

Field work has been confined during the last two seasons to collecting data and material on the birds and fishes, under the superintendence of Professor Nachtrieb, the head of the department, in the Lake Vermillion region, in the western and southern counties, at the head of Lake Pepin, and in and about the state park, and the head of the Mississippi river. The material collected has been stored in Pillsbury Hall and private quarters, at great risk of injury from evaporation and other causes, and is not, at present, accessible to students and scientists. It is hoped that if a new building is speedily provided for the botanical department temporary accommodation may be found for this department in the part of Pillsbury Hall vacated by the botanical department and the school of mines; but a building for the uses of this department will be required in the near future. Progress has been made in the preparation of the material for the final reports.

#### LIBRARY.

The library has no subject catalogue, an indispensable adjunct to the comfortable and convenient use of any considerable collection of books. It now contains about 110,000 volumes, 290,000 pamphlets, and 1,000 periodicals. We earnestly recommend that an appropriation of \$2,500 for each of the next two years be made for supplying such catalogue. The library is weak in the lines of history and political science, and the expenditure of \$16,000

would be necessary to bring it up to modern requirements on these subjects. Considerable expenditure is necessary for the binding and rebinding of books. We strongly recommend that there be appropriated for the library, in addition to the appropriation for a subject catalogue, \$7,500 for each of the next two years.

#### MILITARY SCIENCE.

Work in this department has made good progress, both at the University and the agricultural school, under the instruction of First Lieutenant Haydn S. Cole, an accomplished officer of the United States army.

Two full years of military work is required both of University students and students of the agricultural college, and voluntary work is done by students of advanced classes. Military drill has been carried through the school of the battalion, and instruction has been given in guard mounting, review, inspection and escort of colors, advance and rear guard work, aiming and sighting, and in extended order and battle exercises, and theoretical instruction in the class room in the elements of military science to the officers and non-commissioned officers. Lieutenant Cole reports that the progress made in the two years is very satisfactory.

It is believed that the education in military matters at the University and school will furnish to the state, and nation, men well fitted for command, if their services should be required. Two of our cadet captains have been lately appointed by President Roosevelt to the regular army and duly commissioned as officers therein.

#### ENDOWMENTS.

##### THE GILFILLAN TRUST.

On the 6th of June, 1901, the Hon. John B. Gilfillan, of Minneapolis, donated to the University of Minnesota \$50,000 in the form of 50 bonds, for \$1,000 each, of the Minneapolis, St. Paul & Sault Ste. Marie Railway Company payable January 1, 1949, with interest at four per cent per annum, payable semi-annually on January 1st, and July 1st, according to coupons annexed, in trust to receive and apply the income of such fund, by its Board of Regents, "in aid of such deserving youths of our state as might be found struggling

for an education beyond their means of obtaining," the benefaction to be bestowed in the form of either loans or gifts upon students of either sex, in any of the departments of the University, or in schools preparatory thereto. The Board of Regents adopted carefully prepared rules for the administration of the trust, which met the approval of the benevolent donor, under which it is now being administered, several students having already been recipients of the benefaction.

#### THE LUDDEN TRUST.

The Hon. John D. Ludden, of St. Paul, endowed the University of Minnesota in the current year with a permanent fund of \$5,000 to be held, invested and re-invested by the University through its Board of Regents, and the income thereof to be collected, received and applied by said Board of Regents to the financial assistance of students of either sex in the school of agriculture. Mr. Ludden delivered into the hands of the regents for the principal sum, one Northern Pacific registered prior lien railway and land grant gold bond of the denomination of \$5,000, payable to the University of Minnesota and its assigns in gold coin, on the first day of January, 1997, with interest at four per cent per annum, payable quarterly in like gold coin, the fund to remain so invested until the bond matures, unless by reason of changed conditions a re-investment shall be sooner deemed judicious by the Board of Regents for the safety, conservation or continued productiveness of the fund. The premium on the purchase of this first grade security was \$212.50, and was paid by Mr. Ludden, thus enlarging his donation by that amount.

#### MRS. ELLIOT'S SCHOLARSHIP.

At the annual meeting of the board in 1901, Mrs. Mary H. Elliot, widow of Dr. A. F. Elliot, of Minneapolis, donated to the University of Minnesota, in fulfillment of the wishes of her late husband, \$250 a year, "to be used as a scholarship loan fund for assisting young men in the school of mines."

#### DONATION OF DRINKING FOUNTAIN.

In the summer of 1902, Mr. Caleb Door, of Minneapolis, erected on the campus a granite drinking fountain at an expense of several thousand dollars, his generous gift to the University.

## MEMORIAL FENCE.

At the meeting of the Board in June, 1902, Mrs. Sarah Pillsbury Gale presented a communication expressive of her wish to construct a fence of stone and iron of artistic design along the front of the campus on University avenue, as a gift in memory of her father, the late John S. Pillsbury. The proposition was gratefully accepted, and the fence has been constructed at an expense to Mrs. Gale of \$8,000, and ornaments as well as protects the campus.

## ENLARGEMENT OF THE CAMPUS.

The constantly increasing necessity for additional parade ground for military and athletic exercises induced the late Governor Pillsbury, shortly before his death, with his usual thoughtfulness, foresight and benevolence, to purchase in his own name six lots, in a block of ten, adjoining the campus in the only direction in which its extension is practicable, at an expense to him of \$7,300, with a view of donating the same to the University. His heirs now express their desire to convey these lots to the University in fulfillment of such intention. The Board of Regents, realizing the importance of the addition of this block of land to the campus, rendered all the more imperative by the present and prospective encroachment of new buildings on the old parade ground, and of prompt action, has ascertained that the other four lots, without which the six so proposed to be donated would not be available for the purpose intended, upon two of which are improvements, can be secured for \$8,921. The street between this block and the old campus has been vacated, thus adding to the ground made available by the purchase. Grading to a considerable extent will be necessary to put the new grounds in condition for use. It is thought that \$11,000 will be required for the cost of these four lots and the grading of the whole block, and the board confidently hopes that an appropriation of that amount will be made for the purpose, available at once.

## IMPROVEMENT OF THE CAMPUS.

The campus is not in as good or attractive a condition as it should be, due partly to the constructions which have been going on upon it. It needs new walks, the setting out of shade trees, and



putting in order generally. The board recommends that an appropriation of \$5,000 for each of two years be made for the purpose.

#### EXTRAORDINARY REPAIRS.

It has developed that the earlier constructed tunnels to contain pipes for the transmission of heat, light and power from their source of production to the various buildings were deficient in size, and defective in construction, in respect that they are not adequately protected from moisture by concrete and cement bottoms and linings. The result is that the asbestos covering of the steam pipes disintegrates and falls off, and much heat is wasted. There is no doubt that true economy requires the immediate reconstruction and enlargement of these tunnels. It is estimated that the expense of such repairs and enlargement will be \$20,500, and we respectfully ask, in the interests of economy, that that amount be appropriated therefor, to be immediately available.

#### ORDINARY REPAIRS.

The foundation both on the campus and at the school of agriculture has become so large that the customary appropriation for ordinary repairs must needs be increased to \$10,000 per year, to meet the demands upon it, and we respectfully recommend that \$10,000 per year be appropriated for this purpose.

#### CARE OF CRIPPLED AND DEFORMED CHILDREN.

Prior to 1897, no attempt had been made by any state in the Union to relieve crippled children from their deformities at the public expense. Many institutions had been established for their benefit in the east, but these were all supported by private charity. To our own state was reserved the honorable distinction of being the first to carry on this work under its own auspices and at its own expense. It is gratifying to notice that the great state of New York, from which we have borrowed so much in legislative enactment and state policy, has followed our example in this matter.

The work was entrusted to the Board of Regents by the provision of chapter 289, laws of 1897. It was promptly taken up and

has been carried on without interruption down to the present time. We have earnestly endeavored to carry out the provisions of the law and to give the children coming within its terms the benefits and advantages contemplated by it.

We have entered into a contract with the Board of Control of the city and county hospital, in St. Paul, by the terms of which provision is made for the care of the children at that institution. A two-story brick building entirely detached from the other hospital building has been set apart for the exclusive use of the children in our charge. This building is well lighted and heated and is kept in a thoroughly sanitary condition. Under our contract the city hospital is to care for the children as patients are cared for in first class hospitals, including attendance of trained nurses day and night, food, washing, bandages and medicines; in fact everything that the children need except physicians' attendance and braces or mechanical appliances. The Board of Regents pays the Board of Control of the hospital, for the services above mentioned, \$3.75 per week for children under twelve years of age, and \$4.50 per week for children between twelve and sixteen years, the latter being the maximum age at which any are received.

This contract has been renewed from time to time for periods of two years each, as the work has been continued in our hands by the legislature and new appropriations made. The current period will expire May 1, 1903. We have found our arrangements with the city hospital very satisfactory. The children have received most excellent care from Dr. Ancker, superintendent, and all of his assistants.

The work was commenced in October, 1897. Since that date and up to December 1, 1902, 160 patients have been received into the hospital and six have been treated outside, making 166 in all. During the two years which have elapsed since the making of our last report, seventy-one patients have been received and one has been treated outside. For a full statement as to what has been accomplished in the medical and surgical treatment of these children during the past two years reference is made to the report of Dr. A. J. Gillette, surgeon in chief. Dr. Gillette receives no compensation for his services. They are entirely voluntary. He does a large amount of work for these children and he does it in a most conscientious and careful manner. To his efforts more than to those of any other person the success of the work is due. He has for his consultant, Dr. J. E. Moore, of Minneapolis, who also renders his services gratuitously.

Inasmuch as some of the children remain in the hospital two or three years, and most of them at least six months, we have deemed it advisable to employ a teacher who can give them such instruction as they are capable of receiving. Miss Frances Boardman, of St. Paul, has been employed for this purpose at a salary of \$35 per month. She has done excellent work among the children. She not only gives practical and useful instruction, but with the aid of a piano she does much to enable the children to pass pleasantly what might otherwise be dreary days of confinement in the hospital.

The expenditures for the fiscal year ending July 31, 1901, were \$9,458.59. Of this amount \$8,365.24 was paid to the city and county hospital for the care and nursing of the children under the special contract above mentioned; \$420 was paid for kindergarten teacher's services; \$300 was paid for clerk hire and superintendence; \$152 was paid for braces and mechanical devices. The balance was for books, rent of piano, postage, printing, etc.

The legislature at its session in 1901 appropriated for this work \$10,000 per year for the two years then ensuing. During the first of these two years (July 31, 1901 to July 31, 1902) we have expended \$9,397.31. Of this amount \$8,437.09 was paid to the city and county hospital for the care and nursing of the children, under the special contract above mentioned; \$332.50 was paid for kindergarten teacher's services; \$300 was paid for clerk hire and superintendence; \$140.58 was for braces, mechanical devices and books. Further small expenditures were made for rent of piano, postage and incidentals.

Though there is a small balance from the appropriation of the past year unexpended it must be remembered that on grounds of economy we did not publish any annual report and did not receive any children who were not strictly entitled to, and much in need of, treatment. With the publication of a new report January 1st, calling the attention of the physicians throughout the state to this work, it is quite probable that the number of patients will increase to such an extent that they cannot be cared for under the present appropriation. If the legislature continues the work in the hands of the Board of Regents during the next two years an appropriation of \$12,500 per annum for that period ought to be made.

What is the future of this work? Ought it to be continued and permanently established or ought it to be abandoned? After a trial covering a period of five years the policy of the state toward

this work ought to be settled. Our views on the subject are not changed since our report of two years ago was presented. On the contrary in the light of two years additional experience we are more convinced of the truth of what we then said and we repeat it here.

“As to the future of this work, we would say that, in our judgment, it ought to be continued by the state through some agency. There are, no doubt, many hundreds of indigent children in Minnesota suffering from various deformities, such as club feet, hip disease, spinal disease and dislocation of joints, most of which cannot only be remedied, but entirely cured, under the care of a competent orthopedic surgeon having at his command suitable hospital facilities, braces, mechanical appliances, etc. Few people appreciate what modern science has been able to accomplish in this direction. And this can be done without any considerable pain or suffering to the child. On the contrary, the child is, in most instances, relieved from pain as soon as the treatment commences. If these children are taken while young they may be saved from the terrible misfortune of going through life as cripples and hunchbacks, and instead of being helpless paupers and beggars they may become respectable, self-supporting citizens. It is difficult to imagine a more humane or a more profitable work in which the state could engage or to which it could devote a small part of its revenue.”

The work of carrying out the provisions of the law above mentioned is entirely foreign to the duties of the Board of Regents in the management of the University. The legislature saw fit to assign to the board the duty of inaugurating the work in the first instance and has ever since continued to invoke its services in carrying it on. The work itself was, no doubt, regarded as an experiment, and the placing of it in our hands as a temporary arrangement. We have made an earnest effort to give it a fair trial and to expend the money placed at our disposal economically and solely for the purpose for which it was intended. If the legislature at its coming session shall be able to find some other agency through which the state can carry on this work we shall be much pleased.

#### THE BOARD OF CONTROL.

Some conferences were had between a committee of this board and the gentlemen composing the Board of Control, with a view

of rendering available the aid and co-operation of the latter in the management of the University under the law of the last session of the legislature; but the financial affairs of the University are so manifold and varied, and of such special nature, and so interwoven with its general administration, that it was found by the Board of Control, as stated in their report, that such a division of management was impracticable, and they therefore abstained from any further attempt to put it in operation. from the high motive that it would be injurious to the University. We concur with the Board of Control on both points, and beg leave to give earnest and respectful expression to the conviction that a divided management of the affairs of an institution so complicated, vast and varied, is impracticable, and that an attempt to put it in operation could not fail to be disastrous to the University, and a public misfortune; and we beg leave further to give most respectful expression to the earnest hope that the legislative action of the last session on this subject may be reconsidered at the coming session. We add the expression of an earnest conviction that the high honor of a great trust worthily performed is a stronger incentive to, and surer safeguard for, the thoughtful, intelligent, judicious and wise administration of a great and multiform seat of learning than the discharge of the duties of an office sought or held, in whole or in part, for the emoluments attached to it. The springing up and development of all the colleges and universities of the country, whose beneficent work and accomplishment are a part of the history, and whose renown is a part of the adornment, of our civilization, fully attest and illustrate the effectiveness and wisdom of the old method of administration, and point to the risk and danger of departing from it.

## OBITUARY.

No formal announcement of the death of John S. Pillsbury is necessary. The sorrow has extended throughout the state and beyond its limits. There is perhaps no place outside of the homes of his family and relatives where he will be more missed than in this board. His love and devotion to the University, and his powerful aid in its development have been the theme of many memorials in many places, and it is unnecessary to enlarge upon them here. We desire to express a final word of love, respect and esteem for John S. Pillsbury, widely and justly honored and distinguished as citizen, statesman and philanthropist.

## SUMMARY OF APPROPRIATIONS NEEDED.

Current expense, \$50,000 a year, annual.....	\$100,000.00
<b>Construction and equipment of botanical building.....</b>	<b>100,000.00</b>
Completion and equipment of mines building.....	25,000.00
Addition and equipment to law building.....	30,000.00
Construction and equipment of building for literature and language .....	100,000.00
Construction and equipment of building for college of dentistry.....	70,000.00
Equipment and repairs in engineering department.....	30,000.00
Improvement of the campus, \$5,000 a year for two years.....	10,000.00
Ordinary repairs, \$10,000 a year, annual .....	20,000.00
Extraordinary repairs, tunnels.....	20,500.00
Library, \$7,500 a year for two years.....	15,000.00
Subject catalogue for library, \$2,500 a year for two years.....	5,000.00
Enlargement and grading of campus.....	11,000.00
Construction and equipment of main building for school of agriculture .....	225,000.00
Construction and equipment of boys' dormitory for school of agriculture .....	40,000.00
Equipment of chemical building at school of agriculture.....	5,000.00
Construction and equipment of farm implement building at school of agriculture.....	5,000.00
Enlargement of clinical building.....	25,000.00

The foregoing review shows that the pressing needs of the University are great, and it cannot be concealed that the provision made for it heretofore has not fully kept pace with its development. This does not arise from any want of interest or pride in the University, or lack of appreciation of its great and increasing influence and importance; but it is rather because its development has been rapid beyond all anticipation and all precedent. From small beginnings it has already grown to a great beneficent and honored seat of learning a credit to the state. It would be most disastrous if it should retrograde, and most unfortunate if it should remain stationary or fail to meet the demands upon it. No doubt is entertained that it will receive the watchful care and solicitude of the people and the legislature in the future, as it has in the past, and that it will go on, in the plenitude of strength, to perform its full share in the future, as it has in the past, in developing the material resources and promoting the prosperity and happiness of our beloved commonwealth, a fitting head and crown of our splendid educational system. We have placed its needs

frankly and faithfully before you, and through you before the legislature, and it must be left to the wisdom of the legislature to deal with them.

All of which is respectfully submitted in behalf of the Board of Regents.

University, Dec. 9, 1902.

GREENLEAF CLARK,  
President.