F. Hopkinson Smith

THE LIFE AND WORKS OF THE NEXT LECTURER.

Frederick Hopkinson Smith was born in New York City on Jan. 10, 1848. He was professor Mr. Smith is an engineer, and has built a large number of public works, many of them under contract of the United States government; among these are the Barn Rock light house, of New London harbor (1853), and the block island break-water (1859). He is also well known as an artist, his last work being done in water-colors and charcoal. His best known works are "In the Darkening Wood" (1870), "Pugnacity on the Hudson" (1871), "Under the Towers, Brooklyn Bridge" (1880), and "A January Thaw" (1878).

Mr. Smith is also famous as a book and magazine writer, while to many he is best known as the author of the popular books: "Well-Worn Roads,""Old United Black and White,""At the Title of the Club," and others of equal note.

The following works by F. Hopkinson Smith are to be found in the University Library:


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"Colonel Carter of Cartersville."-Besançon.

"Thermic Dynamics" was the subject of the paper by Mr. Bowman last Friday.

During the last half century the idea of heat has been changed from an idea of imponderable matter to that of an energy. We now have the important law of the conservation of energy. When gas is released from a high pressure a large amount of heat is taken up. For this reason compressed gases are used in coal storage as ammunition. For the same reason compressed gas can not be used for the transmission of energy.

Some carbon dioxide gas, under a pressure of 80 lbs. to the square inch, was suddenly released, and some of the material perfectly solidified was passed around among the members of the audience. Some of the fingers of the paper were frozen if the material was held but for a short time. The temperature was nearly as low as the temperature below zero. Some mercury was readily frozen. Some liquid carbon dioxide was changed to gas by placing the bowl of the hands in the bucket. In studying the steam engine: from this point of view, one sees the necessity of the use of energy, and from investigation it seems that it is impossible to make an engine that will utilize more than 33 per cent. of the power of the steam entering the cylinder, and of course this would represent but a very small per cent. of the energy of the steam.

Dr. Scobee gave a voluntary re-view of views in the natural colors without the use of colored slides; also a method of producing pictures in relief.

A National University.

A bill is now before Congress providing for a national university. This idea is as old as the nation itself. George Washington found time in the midst of the campaign of the revolution to advocate the idea, and there is to-day a movement in Washington known as "University Square." A graduate university is this to be established by the government, and all the gifts and bequests are to be deposited in the United States treasury in trust to be invested in United States bonds at 5 per cent. A movement has been started to raise $250,000 for the first building by private subscription.

None but holders of baccaulœrate degrees are to be admitted to study, and it will be seen what an immense advantage will be given to those who wish to prosecute original research in any of the sciences. One of the first steps will be the establishment of the Patent Office, and the Patent Office, the Smithsonian Institution, and all the other treasures of learning that fell their resting place in the national capital. Authority is to be given to establish such relations of cooperation with the other institutions of learning in the country as may be deemed advisable.

The present movement is but the last of this many looking toward the same end. Besides Washington, who left $2,000,000 for the purpose, Mr. L. J. Stieff of Baltimore, Mr. T. B. Ives of New York, Mr. Charles N. Beach of Boston, Mr. S. S. Scoville of New York, Mr. C. A. Whitney of New York, Mr. H. H. Glasse of New York, and many others have also contributed.

The present movement is not yet completed, and some of the other parts of the building are not yet furnished, but it will be ready for patients to-morrow, and Dr. Little anticipates that there will be twenty-five to thirty-five beds and twenty-five dollars represents the value of $15,000 school buildings.

Of course on the subject of the hospital 5,714 were males. The average month-compensation paid men was $35.25, and the women an average of $10.00 per month and twenty-five dollars represents the value of 15,000 school buildings. Of course on the subject of the hospital 5,714 were males. The average month-compensation paid men was $35.25, and the women an average of $10.00 per month and twenty-five dollars represents the value of 15,000 school buildings.

The twenty-eight biennial report of the state board of health shows the following number of public institutions, submitted by Supt. Sabine, that in the year 1896 there were 27 teachers who received an annual salary: 1,360, while the total number of students present was 31,810. These 31,810 consist of 15,714 males and 16,096 females. The average monthly compensation paid men was $35.25, and the women an average of $10.00 per month and twenty-five dollars represents the value of 15,000 school buildings.

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The Viddette-Reporter

The Opening of the Hospital

The opening of the Medical Hospital is an event of much importance to the University. Our medical department is known throughout the United States as being one of the best schools of the kind in the country, and it is often said the best work of the University is done in the Medical Department. The Faculty are often severely criticized for "failing", so many students every year, the argument being that it injures the school to have so many students fail at some other institution. But it is those rigorous requirements that have made and is keeping up the standard of that department. But for years the students have been looked for, and facilities for caring for patients so poor, that a new, well-equipped hospital will soon make a beneficent change in this particular. Before the Homeopathic hospital was built the conditions of that department were analogous to those in the "regular," but now one of the things for which S. C. U. may well be proud is the great number of patients from all over the state that are treated there, and it will probably be only a question of a short time before the new hospital will be equally efficient. Then we can truly say: "Our Medical departments are equal to the best—excelled by none."

The University's Growth

On a page of the Sunday Times-Herald devoted to "News from the Colleges," the following article appeared:

"The city is more populous; the new buildings are being erected, and the state is more prosperous. The medical department is growing in size, and the university is rapidly expanding.

The present college enrolment alone outnumbers the whole of all the departments in 1872. During this period the instruction corps increased from 45 to 191; income from fees and tuition from $1,708.50 to $41,743.51; total income from $40,255.32 to $146,749.52; number of volumes in the libraries from 36,000 to 41,000; issues of study from 115 to 271, with even a very much greater quantity of subjects than are represented by these figures indicate. During the same period the number of students increased from 2,645 to 7,872. In ten years under review four buildings have been erected, namely, the Chemicol, laboratory, the Dental building, the Homeopathic building and hospital, and the Medical hospital. The University grounds have been doubled in extent, without expense to the state.

These facts give little conception of the advancement along other lines. In laboratory equipment, accommodations for a few students have grown to accommodations for hundreds. New laboratories have been established in geology, botany, bacteriology and pathology, physics, chemistry, and engineering. The Museum of Natural History has increased until now it is the best of its kind in the world. The Field Columbian Museum in Chicago is the standard for graduation has been so materially raised in all departments.

Several new chairs have been established. The lecture method of teaching is more and more successfully adapted to our needs. The University has successfully established publications in history, law, medicine, psychology and natural history. Probably not in the history of educational institutions has a dollar been made to do so much anywhere as in this University during President Scharf's administration. Not the least comes for rejecting in the University the present position in the confidence and esteem of the people of the state."

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FACT AND RUMOR.

J. C. Coad, L. '97, will not be in

school this term.

F. Hopkins Smith will lecture here next Monday night.

The 90 Hawkeye Board held its last meeting last evening.

The Juniors and Seniors begin resi-
dations in Miner Tactics this after-
noon.

A large number of students now wear Whiteman's as "Hamlet," last night.

A large number of students attend the assembly given by Miss Herron

Saturday evening.

L. A. Warner, W. O., who was absent

during the fall term, is back in the

University again.

F. C. McConathy was elected to the

Editorship of Journal. Clerk of the

Sewell, post office.

Mr. Van Law is to have charge of the

Monday, Wednesday and Friday

work in Banking for the first half of

the term.

Miss Lovell Walter, W. O., will not be in

the University during the winter term,

but will join her class again in the

spring.

Mrs. Helen K. Wall, of Boston, will

lecture on "A Bell in the Stonebough,

at the Unitarian Church, to-morrow

evening at 8 o'clock.

The Glee and Mandolin Clubs will

give another concert in the course of

three or four weeks. An entirely new

program will be rehearsed.

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