

Anonymous.
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"The Geological Survey Next,"
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THE GEOLOGICAL SURVEY NEXT.

Auditor Chenoweth Will Begin
Another Investigation When
He Returns.

Judge Chenoweth, First Auditor of the Treasury Department, left by the 10:40 train last night for Texas, to look after his law business. The investigation of the Coast Survey Bureau and the report thereon to the Secretary of the Treasury are complete, and nothing more remains to be done in the matter by him. He denies contemplating a supplementary report on the workings of the bureau, as he says it is not necessary. He expects to return to Washington in about three weeks, when he intends to begin an investigation into the condition and workings of the Geological Survey, which, if rumors are correct, will reveal a state of affairs no better than that exposed by the recent investigation of the Coast Survey. After that, the Fish Commission is on the list of suspects for searching inquiry.

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ENGINEERING DEPARTMENT.

Improvements Recently Made.—Professor Peirce's Experiments.

The reorganization of the Association of Engineers, together with several other minor changes made in the curriculum of the Department of Civil Engineering, have been accompanied by a general enlargement of facilities for all kinds of Engineering study. The most noticeable of the later additions to the equipment of the department, is an original and unique contrivance for securing the proper relation of the diameter of rollers at the end of a large bridge to the area of the base upon which the end of the bridge rests. Previous investigations in this subject have been actuated simply by the idea on the part of the investigators, that it would undoubtedly be an advantage to allow for expansion and contraction of bridges by supplying rollers; but lately the necessity of such allowance in large iron bridges has been thoroughly demonstrated, and the present investigations are conducted with a view to ascertaining with accuracy, what should be the size of such rollers for a bridge of given weight and size.

Among other improvements lately made in this department are a lathe and forge which have recently been placed in a convenient position in the Engineering building in order to obviate the annoyance often occasioned by the want of small tools that can not be procured on short notice. An addition to the office that is at once instructive and beautiful is a new and carefully constructed stereographic chart of Eastern America, the Gulf of Mexico, and the Atlantic.

Extensive application of photography is being made in various lines of work, more especially in those branches requiring copies. For instance, in pen topography, where formerly a number were required to work from one copy, now but little labor is required to furnish any number of students with separate copies, by the photographic process. Another equally interesting application of the art has been made in the surveys of the lakes and central basin of New York. In connection with the usual measurements, photographs were made from known points and in known directions. This furnishes a perspective view of the entire tract surveyed, which may be roughly reduced to projection, forming a good check on the work; and besides details, that might otherwise be overlooked are thus preserved, and may be transferred to the maps afterward made.

Professor Peirce, who has been engaged here for some months in making the observations necessary for a gravimetric survey, has completed his work and has removed his apparatus from the University. The chief labor of such a survey consists in swinging and noting the vibrations of pendulums at different points. As is well known, the time of vibration always bears a definite relation to the distance from the force causing the vibration. Hence observations on a simple pendulum vibrating simply by virtue of the force of gravity, furnish an accurate method

of determining the figure of the earth. While at the University, Professor Peirce employed himself in observing the vibration of two pendulums which were kept swinging, one a cold pendulum, in the equatorial room of the Engineering building and the other, a warm one, in a closely walled room in the basement of the Physical laboratory, allowing only a small aperture through which to observe the vibrations by means of a telescope. During his stay here, the seminary room of the Engineering building was placed at the Professor's disposal and used by him as library and office. He speaks highly in commendation of the facilities for the prosecution of his work, that were offered here, and declares that they are superior to those of any other place to which he has been called, not excepting those of Cambridge, England.

The Next Polo Game.

The third and deciding game of polo between the Cornell and Ithaca teams will take place at the Rink next Monday night. Our team has practiced earnestly since the last game and are playing in better form than ever before. Howard has been obliged to stop playing as he is training for the crew, but several new aspirants for his position practice daily, and it seems probable that a good goal tender may be selected. The Ithaca team will be obliged to play without Kittrick and they have not yet decided who will play second rusher. Both teams will change their position to some extent but the exact changes cannot be determined until Monday, as it is difficult to decide between the several new players. This is the case with both clubs.

Great interest is shown, both in town and college circles, in the final contest, and it is safe to say that it will be even more exciting than the two previous games. Both teams will of course make a desperate effort to win, but there is such a thing as too much roughness, and it will stand both sides well in hand to remember that accidents are unpleasant to spectators and seriously mar the beauty of the game,—and of members of the teams.

A Mock Trial.

The meeting of the Irving this evening promises to be a lively one. An indictment of its president for non-fulfillment of certain duties, duly signed by the three directors of the society, was presented at its last meeting and the trial is to come off before the vice-president, Mr. Bodine, this evening. A jury will be impaneled from disinterested parties. The prosecution is to be conducted by Mr. Elliott and Mr. Coray, while the accused will be defended by Mr. Hopkinson and Mr. Dunham. The trial will be in open court and will begin at 7.30 p. m.

—The name of Professor Norman C. Bassett, who has been for some time past, Professor of Mechanical Engineering at the Iowa State Agricultural College, appears on the list of Resident Graduates studying in the advanced courses of Sibley College.

ENGLISH LITERATURE.

Summary of Professor Corson's Lectures on Shakespeare's Plays.

KING JOHN.—V.

To return to Constance and Arthur: Constance appears only in A. II, S. 1, and A. III, S. 1 and 4. Arthur appears in A. II, S. 1, A. III, S. 1, 2, and 3, A. IV, S. 1 and 3. The scenes I will read, with some omissions, and as I shall see, I think, that Shakespeare's dramatic purpose in Constance was to exhibit *maternal affection*, independently of ambition on her part. For her to show personal ambition for the crown, would mar the artistic symmetry and the whole moral tone of the play. We shall see that there is not a single speech of her which indicates directly or by implication, any personal ambition. She is 'oppressed with wrongs' done to her beloved Arthur, whom the poet, in the service of his art, represents as possessing all those charms of person and all those qualities of mind and heart which intensify mother's affection and devotion.

In comparing Shakespeare's Arthur with the Arthur of the old play, we can easily see the dramatic purpose which determined the poet in making him what he does. And Augustin Skottowe well remarks, 'The maternal distress of Constance, in the old play, is clamorous, passionate, vindictive and contumelious. The hand of Shakespeare tempered her rage into vehemence, attuned her clamour to eloquence and modulated her coarse vindictiveness into deep sense of gross injuries and undeserved misfortunes.'

From the accounts we have of Mrs. Siddons' impersonation of Constance, it appears that she made strong-willed ambition her ruling motive rather than maternal affection. The impersonation, in the last generation, by Miss Helen Faucit, now Lady Martin, the wife of Sir Theodor Martin, the biographer of the Prince Consort, appears to have been a truer one than that of Mrs. Siddons. From the dramatic criticism of the time (1843 and later), we learn that maternal tenderness and affection alone motivated and informed her impersonation. [Act II, S. 1, and Act III, S. 1, ll. 1-74, were here read, with comments.]

The situation in A. III, S. 1, which has been led up to by the marriage of the Dauphin and Blanch, is, perhaps, unsurpassed as a dramatic situation, in all Shakespeare. To Constance, when, deserted and betrayed, she stands alone in her despair, amid her false friends and her ruthless enemies, Mrs. Jameson applies, not appropriately, the image of the mother eagle wounded and bleeding to death, yet stretching over her young in an attitude of defiance, while all the baser birds of prey are clamoring around her cry. The noble bastard feels deeply the injustice of the act of the two Kings:

'Mad world! mad Kings! mad composition!
John, to stop Arthur's title in the whole,
Hath willingly departed with a part,
And France, whose armour conscience buckled on
Whom zeal and charity brought to the field,

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