

When this mammoth affair shall be sunk to its desired position, thirty feet below low tide, additional courses of timber will be laid on top of it, to the height of fifteen feet, and filled in with concrete; and when the whole has become firmly fixed in place, the tower will be built on the solid foundation thus secured. On the New York side it is believed nothing of the kind will be necessary, the nature of the shore there being wholly different.

That the bridge when completed will be well secured seems certain. Each of the four cables will enter the anchor walls to a distance of twenty feet, and will there connect with the anchor chains, composed of ten links, each twelve feet or more in length, and forming a downward curve of a quarter of a circle, in order to convert a portion of the tension into downward pressure. Then the cables will not be compelled to support the entire weight of the bridge. Stays, running from the top of each pier to the bottom of the span, will relieve much of the strain,—indeed, Mr. Roebling asserts that the bridge would not fall if the cables were removed, but would only sag.

ONTARIO VETERINARY COLLEGE.

SESSIONAL EXAMINATION.

THE annual term of study in this institution having terminated, a number of students presented themselves for examination in the Council Chamber of the Agricultural Hall, on Thursday, April 7th. The examiners were A. C. Clarke, V. S., of the Royal Artillery, Drs. Thorburn and Rowell, of Toronto, and E. T. Haggard, V. S., Brampton. Mr. Cowan, of Galt, and Mr. Thomas, of Guelph, who were among the earlier graduates of the College, also examined the students in several special subjects connected with the theory and practice of veterinary medicine. It was pleasing to observe several other graduates, now successfully practising their profession in various parts of the Province, also present, and evincing much interest in the proceedings. Dr. Bretty, of Cobourg, attended on behalf of the Council of the Agricultural Association. The examination was of a very thorough character, embracing the anatomy and physiology, diseases and treatment of the horse, ox, &c., Chemistry and Materia Medica. The following are the names of students who passed the final examination, entitling them to the Diploma of the Agricultural Association, certifying their qualifications to practice the Veterinary art:—J. Craig, Sandhill; B. Richardson, Flesherton; D. Cumming, Milton; T. H. Lloyd, King; and J. Caesar, Kilmanagh. To these should be added D. McIntosh, Kingston; D. G. Sutherland, Crimore; and T. Hope, Dyer, who passed their final examination at Christmas—making eight graduated students for the past year. The following students passed the primary examination: J. Bailey, Laskey; J. Bryce, Mohawk; Charles Elliott, Peel; James Mayhen, Sandhill; A. Hartill, Toronto; and A. Thompson, Peel.

The following is a list of the students and their residences who have attended lectures during the past year:—Seniors—D. McIntosh, Kingston; D. G. Sutherland, Crimore; T. Hope, Ayr; B. Richardson, Flesherton; D. Cummins, Milton; T. H. Lloyd, King; J. Caesar, Kilmanagh; J. Craig, Sandhill; J. Bailey, Laskey; J. Bryce, Brantford; A. Hartill, Toronto; C. Elliott, Peel; J. Mayhen, Sandhill; A. Thompson, Peel. Juniors—R. Evans, Sleswick; J. G. Caesar, Waterloo, Iowa; J. A. Richardson, Mono Mills; J. Spiers, Glen Allan; W. H. Robinson, Jr., Omagh; W. Sweet, Exeter; J. Hawkins, Tilsonburgh; W. Fair, Drumbo; W. Colchagh, Mount Forrest; T. Churchill, Clinton; W. Churchill, Clinton; J. Gibson, Teeswater; S. Ottiwell, Glasgow; B. Hutchins, Ottawa; G. W. Ainger, Ohio; J. Elliott, Sandhill; H. Henderson, London.

In the evening, upwards of forty persons sat down to an excellent supper in the lecture-room of the College, including the professors, students, and a number of their friends. Mr. Principal Smith presided, supported by the Rev. Dr. Barclay, Drs. Rowell, Richardson and Kennedy, while Dr. Thorburn and Professor Buckland acted as croupiers. After the usual loyal toasts had been duly honored, a number of gentlemen were called upon to speak on the Medical and Veterinary professions, the importance of agriculture, manufactures and commerce; and a most agreeable evening was spent, by the interchange of social feeling and stirring remarks, calculated, as they were intended, to give a stimulus not only to the Veterinary College, but to the cause of education, and the best interests of the country generally.

It must have been truly gratifying to Mr. Smith, and all associated with him in his most useful enterprise, to witness the continued and increasing success of the Institution, which has now, in the new and commodious building it occupies, greatly increased means of imparting a knowledge of the Veterinary art both in theory and practice. The Principal gratefully acknowledged the cordial support he had in various ways received from distinguished members of the Medical profession in connection with the Toronto School of Medicine, of the teachings of whose classes his students might freely avail themselves, as they felt disposed. The students had fully availed themselves of Dr. Bovell's lectures on Physiology, and had derived the greatest advantages from attending Professor Croft's course on Chemistry, in University College.

As the agricultural wealth of the Province is constantly increasing, by improving the breeds of the various farm animals, the encouragement of the study of veterinary medicine becomes every year more expedient and necessary; and there is now every reason to believe that the increased facilities