

PREFACE.

THE Engineering Society of the Ontario School of Practical Science, was founded in the spring of 1885, by the students in the department of engineering of that year, assisted by Professor Galbraith.

Its officers are elected yearly, and form the Executive Board of the Society.

Regular meetings of the Society are held every alternate Tuesday during the session of the School, at which papers are read and questions upon engineering matters discussed.

The Society has yearly increased in membership and usefulness.

In order to present to every member in good form for reading and reference, and to hold the interest and sympathy of all graduates in the work of the Society, the best papers are published yearly. This edition contains only those read before the Society during the year 1890.

Most of the papers have been prepared by students of this School, a special exception, however, is the paper by Dr. Bryce.

The Society has during the year received valuable papers and letters from H. E. T. Haultain, J. A. Duff, B.A., E. F. Ball, and other graduates, and hopefully expects that graduates and members of the Society in actual practice will continue to prepare papers, plans, estimates, specifications, or other matter to be read at the meetings of the Society, or filed in the library; and, moreover, will welcome and duly acknowledge similar contributions from those of the profession not directly connected with the Society.

One thousand copies of this edition will be printed for distribution to Engineers and Surveyors, and for exchange with kindred Societies.