ENGINEERING AND SCIENTIFIC NOTES

A Gigantic Silencer.

Several authorities on acoustics and methods of silencing noise in doors and out are at work engaged in an effort to devise some scientific method of silencing the roar of three giant 15,000 kilowatt turbine driven generators in the 30th street station of the United Electric Light & Air Company, New York. Professor Wallace C. Sabine, dean of the Graduate School of Applied Science at Harvard, is among those who are considering the problem. Because of the location of Washington Heights property owners the lighting company engaged a firm of engineers to make a thorough study of conditions and to try to find a remedy. This firm several months ago was engaged to undertake the task of making sound proof a large room in the Cuyahoga County Court House in Cleveland, Ohio. C. M. Swan, a former Institute of Technology professor, and an associate of Professor Sabine, was in charge of the task, which was carried out successfully in the face of many obstacles.

The success of the Cleveland man led the electric lighting company to believe that it might be possible to kill the rumble of its huge generators. Because of the great speed at which the turbine driven generators are operated, it is necessary to keep a draught circulating through the generating room. Otherwise the air would become unbearably warm and the machinery would be overheated. Two large doors in the front of the building are left open all night, and with the rush of air from the basement generating room the roar of the generators is carried out into the night, disturbing the sleep of apartment dwellers a dozen block away.

Professor Sabine and Professor Swan have worked out an elaborate system which they think will do away with the sleep-disturbing roar in the future. They believed that the rush of air up from the basement carrying the sound of the generators through the open doors was a vital part of the problem. A system has been devised whereby the air from the basement will be conducted into a small well which will lead to the first floor. From here it is to be equipped with partitions arranged close together after the fashion of the series of compartments in the Masonic Silence. These partitions are made

✓ developed as this type of individuals of this boards, who provide a substantial foundation for their work. On one side of a cubic meter, this up three inches thick. Professor Sabine's idea is that the air rushes through the paper. The rest of the sound will be killed and the rumble of the generators will be reduced to a minimum.

The 26th street power plant has been in operation only a few weeks. More than $500,000 was spent for the building and equipment.

Cornell's baseball squad starts work on its annual training trip tomorrow.

“Do I remember the stories that Jim Wheeler used to tell at college—when we all got around in a ring—and lit up our Fatima Cigarettes—well I shold say yes! Ha, Ha! And do you know I have never found a cigarette since that pleases me as well as Fatimas—mighty good smokes.”

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TUESDAY, MARCH 31, 1914.

IN CHARGE OF THIS ISSUE.

Editor: A. E. Keating, '17.
F. A. Stearns, '17.

There is growing up in our midst an institution as peculiar as it is irreconcilable with the principles of Technology. Once whose duties bring him often about the Union is soon impressed with the presence of numerous individuals who seem to have nothing to do but keep the chairs warm. Morning, noon and night they sit together after the fashion of the students working with them aided for us should be present for the picture.

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RICHARDS SCHOOL OF DANCING

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CLASS DAY COMMITTEE

The Senior Class Day Committee will have its picture taken at four o'clock on Friday, April third, at Heaney's Studio. All members of the committee should keep this date in mind as it is important that all should be present for the picture.