"ALL WORK AND NO PLAY MAKES JACK A DULL BOY"

"TECH BOWLING HEADQUARTERS"

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TURBINE INSTALLED

Westinghouse-Pearson Engines in Engineering Laboratory

Instruction in steam turbine engineering at the Institute has long been a part of the development of the art, ever since its important applications in manufacturing and transportation have been recognized. Within a year two years have been completed which has placed the work on a very satisfactory basis. The first of these is the invention of Prof. J. L. Powell's "Thermodynamics of the Steam Engine," including a chapter which gives the specifications for the steam turbine on the same plane as for all the other heat engines. His Tables of Properties of Steam have also been re-computed and table of temperatures and entropies.

The second is the erection of a 500 horsepower Westinghouse-Pearson Turbine in the engineering laboratory of the Institute. In the installation of a turbine of this kind power the Institute has adhered to its custom of making every effort to see that results which shall be of real value and such excellent information will soon be obtained such as is at present only to be had from turbine builders. The turbine just described has a capacity of 500 HP, and has three stages of metal. It is arranged so that either saturated or superheated steam may be used; the superheat having a capacity of 30,000 pounds of steam per hour at a pressure of 250 pounds per square inch. The power is delivered at 1900 revolutions per minute. The steam is supplied to a 14-inch foundation, thus leaving the space beneath it open. The food of cinder concrete, five inches thick, and stiffened at the points where the load is applied by the I-beams, resting on piers built in the sub-basement. Thus all the small piping and necessary underground work is exposed.

The condenser is one of the latest designs of the Alhagor Company, with a high order of performance and with a water-bath centered steam opening. The condenser is driven by a set of 400-horse power dynamo. The steam which is stored in a tank in the basement is directed to the condenser in Plate and Engineers A., and thence to the turbine. The steam thus discharged in tanks on scales and weighed.

A water brake designed by the Westinghouse-Pearson Company is arranged to absorb the power. Over the turbine has been erected a two-story room of low capacity.

Steam Turbine Engineering a new science is a new science. It is the invention of Prof. Peabody, assisted by Mr. H. A. Everett and Mr. L. B. Butter 1898. The new course has been offered to increase the time given to the options in Mechanical Engineering.

NEW INNOVATION

(Continued from page 1) 24, Bridgewater Normal at Bridgewater; Wed., Oct. 28, Dean Academy at Franklin; Sat., Oct. 31, Lowell Textile at Lowell.

The sophomores have many good players among the candidates for the team, and the attendance is more regular than on way of the teams. Eleven men turned out Saturday afternoon, and Coach Simons put them through some practice of kicking the ball and of falling on and recovering the pithigas.

Relay

The relay men are showing up in larger numbers than formerly, but the list of freshmen is still small compared to that of the sophomores.

H. B. BRISON
Manager 1912 Relay

The hill aggregate have the advantage of knowing such men as Stalbury, Lamb, Stevens, White, Good, and Seligman to propel them. All these men ran in last year's relay, when such fast time was made, and unless the freshmen develop wonderfully before November 6, they will surely be left half a lap behind.

CROSS COUNTRY RUN

On the bare and brown run for the rest of the season the hounds will be divided into two squads. This plan was tried Saturday in the run at Waban. Thirty-two men were out. E. A. Stimson 1910 and H. G. Jenkins 1911, led a 4-1 mile trail through the woods and over the golf links. E. Jenkins 1910 and W. T. McCrelin 1911 found the bags.

In the race for home, L. O. Hill 1910 set first place with P. D. White 1911, A. X. Stephenson 1909, C. L. Campbell 1909, E. Jacobs 1910, and V. R. Luf-

THE REVIEW aims to develop closer relations among members of the Institute and stimulates their interest in the work of the College. It is a forum for engineering students, to discuss the outlook on education and the responsibilities of the profession.

THE REVIEW is published during the academic year, and is addressed to all alumni of the Tech- 

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