

CHESTER TIMES – April 1, 1907

NEW ENGINEERING BUILDING AT SWARTHMORE – The new Engineering Shop Building at Swarthmore College is completed and ready for use. The building is three stories in height. The architectural design is simple and effective and harmonizes well with the building adjacent to it. The walls are constructed of hollow concrete blocks, the second and third floors are reinforced concrete carried on concrete beams and column and are designed to carry a life load of 150 pounds to the square foot. The stairs and landings throughout are of reinforced concrete with metal railings and guards.

On the first floor there are testing rooms, vaults for records a locker and 3300 square feet of space which will be occupied by the forge and foundry. The second floor will be used for iron and machine shops, besides several rooms for offices and two lecture rooms. The third floor will be equipped for patternmaking and wood working. The building is covered with a slag roof, and with the exception of this roof, it will be entirely fireproof. The heating will be steam radiation operated by the Webster vacuum system and the lighting will be done entirely with electric lamps and reflecting arcs. The elevators and machinery in the various shops will be operated only with electric motors, and long lines of counter shafting will be avoided by grouping the machinery on separate motor drives.

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