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CHAPTER XVIII.

THE COLLEGE BUILDINGS.

The College buildings are situated on the corner of Walnut and Tenth streets, and on Sansom street between Tenth and Eleventh. They consist of the Medical Hall, the Laboratory Building, and the Jefferson Medical College Hospital. The Jefferson Maternity is situated on Washington square, at 224 South Seventh street.

The new Medical Hall is at the corner of Walnut and Tenth streets, fronting on the former one hundred and eighteen feet. The situation was chosen as the best for the purpose, its central location insuring a constant supply of clinical material at the Dispensaries and at the Hospital, besides having the advantage of nearness to the Pennsylvania Hospital. The side is joined to the new Laboratory Building, thus extending one hundred and eight feet on Tenth street and one hundred and eighteen feet on Moravian street. Between the two buildings is a large light well, and along the entire length of the building stretches a wide skylight, which, with the three surrounding streets, affords abundant light.

Medical Hall is modern in construction, and fireproof. The entrance on Walnut street admits to a tile-floored vestibule hall, lobby for the main stairway, and passenger elevator. The basement is mainly occupied by rooms provided for the recess hours of the students—a large, well equipped gymnasium, with lockers and shower bath; a lavatory, billiard room, reading room, and storage room for bicycles. Also in the basement are the heating and lighting plant and a cold storage and refrigerating apparatus room.

On the first floor, to the right of the entrance, facing on Walnut street, is the office of the Dean, connected with the office of the clerk and the wait-
ing room. The Trustees' room occupies the southeast corner, facing on Walnut and Tenth streets. North of the Dean's office, and looking out upon Tenth street, are the reception room and ladies' waiting room. The Library Room faces on Tenth street, and is lighted also on the north side by a skylight in the bottom of the light-well. Facing upon Moravian street is the recitation, smoking and society room. In the southwest corner of the build-

![Basement Plan](image)

ing, facing on Walnut street, is the semiamphitheatre, which rises into the second story, and adjacent to it are two rooms for the Professors, and a large locker room arranged to accommodate more than three hundred lockers. In the northeast corner, fronting seventy-six feet on Moravian street and twenty-one feet on Tenth street, is the Laboratory of Pharmacy, Materia Medica and Experimental Therapeutics. This contains a complete cabinet
of materia medica preparations, finished products, digestive Ferments, and active principles for study by each pupil. This department is equipped for ample pharmaceutical instruction, and a systematic course in pharmacy and prescription writing is given, each student being required to perform the necessary manipulations and to make, in turn, the various preparations. The Laboratory is also provided with instruments and appliances for special re-

searches in the physiologic action of remedies. Members of the class desirous of carrying on original research in experimental therapeutics are assigned remedies for their investigation, under the direction of the Professor and his assistants. A number of valuable special researches have been made by members of the classes in this department, reports of which have been published from time to time as original contributions to scientific knowledge.
Upon the second floor, overlooking Walnut and Tenth streets, is the spacious Museum, forty-six by sixty-three feet, newly equipped through the liberality of a devoted friend of the College. In it are disposed, in the most convenient manner for the student, the great collection of the late Professor Samuel D. Gross, that of the late Professor Da Costa, and a large collection of models, preparations and specimens. Adjoining this room is the Laboratory of Morbid Anatomy, containing a complete collection of specimens illustrating the course in special and general pathology, and the autopsies in the Jefferson Medical College Hospital supply abundant material for the demonstration of fresh specimens. Here the student has demonstrated to him, by the Demonstrator and his assistants, the various organs and tissues of the human body, and the morbid conditions to which the organ is subject. The
equipment of this Laboratory includes elaborate microprojection and macro-
projection apparatus.

The Second Laboratory, that of Medical Chemistry and Toxicology, occupies seventy-six feet of space on Moravian street, and twenty-one feet on Tenth street, and the second story of the Amphitheatre takes up the south-west corner of the second floor. On the same level are rooms for the Pro-

fessor of Therapeutics, for experimental therapeutics, and for the storage of pharmaceutical material.

The third floor is occupied by a large lecture hall, brilliantly lighted, connecting with a chemical apparatus room; a small lecture hall, with large windows, and communicating with the private room of the Professor of Physiology, the apparatus room, and the Laboratory of Physiology. The
latter is well equipped with apparatus for the illustration of the subjects of 
Physiological Physics, such as the explanation of the metric system, the 
demonstration of the theory of the balance methods of determining specific 
gravity, the arranging of galvanic batteries, chronographic apparatus, methods 
of analysis of foods and gases, and also apparatus for the demonstration 
of the essential phenomena of nutrition, digestion, absorption, circulation, 
respiration, excretion, the functions of the nervous system, the reproductive 
apparatus, and the development of the embryo.

On the same floor is the new Students' Laboratory of Physiology, which 
was equipped by a member of the Board of Trustees of the College, and 
was first brought into use in 1899. The equipment includes suitable appa-
ratus for the study of fundamental facts in physiological chemistry, apparatus for the study of the physiologic mechanism of the heart, nerves, muscles, spinal cord, etc. The equipment is so extensive that students in sections of fifty may work at the same time, each student being provided with all necessary apparatus—kymograph, induction coil, keys, moist chamber, electrodes, rheocord, commutators, time markers, levers, test solutions, etc.

The fourth floor completes the upper part of the two lecture halls reaching from the floor below. It also contains a Laboratory of Obstetrics and Bandaging, a Laboratory of Normal Histology, private rooms for the Professor of Pathology and his Associate Professor, a pathology storage room, and an entresol, between the two amphitheatres, for the storage of drawings and appliances to illustrate lectures.
The regular undergraduate instruction in the Department of Normal Histology consists in the sectioning, mounting, and study under the microscope of diseased tissues. The course embraces the examination of the urine and other fluids, excretions, and pathologic exudates. Each student is supplied with microscope, desk with overhanging electric light, and all needed reagents for his work. He supplies his own slides, cover glasses and the few trifling instruments used in the mounting, such as needles, forceps, etc., which are usually in his anatomical dissecting case. When the course is completed, the mounted specimens are the property of the student, and in this way he is enabled to secure a collection of typical slides valuable for future reference. A dark room is set apart for special work in photomicrography, for which a most elaborate equipment is at command. Facilities
are also afforded students or postgraduates desirous of pursuing any special line of research.

In the southwest quarter of the fifth floor, is the semiamphitheatre, facing on Walnut street, and extending through two stories. Under this room are private apartments for the Professor of Surgery and the Professor of Anatomy, also the Professor's room, and a locker room containing lockers for the use of the students. In the southeast corner is the Dissecting Room, extending through two stories, and lighted from Walnut street and Tenth street through two tiers of windows and a skylight. North of the Dissecting Room is the Surgical Laboratory, lighted from Tenth street, and from the light-well. In the northeast portion is the Laboratory of Morbid Histology, facing seventy-six feet on Moravian street and twenty-one feet on Tenth street, receiving light from both these streets and from the light-well. A private room for the Demonstrator of Anatomy occupies the northwest corner, overlooking Moravian street, and to the south of it is a storage room for the drawings belonging to the Professor of Anatomy.

The sixth floor contains the second story of the Amphitheatre and Dissecting Room, with a connecting chart room. In the northwest corner is the Laboratory of Bacteriology, far above the noise and dust of the street. The equipment is complete in every detail, with microscopes, microtomes, incubators, serum apparatus, and other accessories for the study of bacteria. A large collection of pathogenic and other bacteria is constantly kept, and a comprehensive course is given in practical bacteriology, including methods of studying bacteria, identification of the pathogenic forms, disinfection, etc. The course includes bacteriologic examination of normal and abnormal discharges, such as urine and sputum, and also pathologic exudates. Adjoining the laboratory is a room where diseased animals may be kept under observation. As in the other laboratories, each student has his own desk.

In addition to the commodious stairway situated in the center of the building, and affording easy access to and egress from all parts of the structure, facilities for the rapid emptying of lecture rooms, laboratories, etc.,
Physiological Laboratory, 3rd floor of Laboratory Building. Reputed to be the best equipped of its kind in the world.
are assured by the inside fire-escape (the smoke-proof tower), which extends from the sixth floor to the entrance. This fire-escape is entered by a system of balconies shown on the floor plans, Walnut street front near the center.

Bacteriological Laboratory, 6th floor Laboratory Building.

An additional fire-escape is shown in the east end of the large light-well, communicating with all the large laboratories.