

Fourteenth Annual Session.

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The Indiana Dental College  
Announcement.

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Term of 1892 and 1893.

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19-21 North Pennsylvania Street, cor. Court Street,

Indianapolis.

## TRUSTEES.

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S. B. BROWN, M. D., D. D. S., *President*,  
FORT WAYNE, IND.

WM. L. HEISKELL, D. D. S., *Vice-President*,  
INDIANAPOLIS, IND.

M. WELLS, D. D. S., *Treasurer*,  
INDIANAPOLIS, IND.

J. N. HURTY, M. D., Ph. D., *Secretary*,  
INDIANAPOLIS, IND.

P. G. C. HUNT, M. D., D. D. S.,  
INDIANAPOLIS, IND.

T. S. HACKER, D. D. S.,  
INDIANAPOLIS, IND.

ROBT. VAN VALZAH, D. D. S.,  
TERRE HAUTE, IND.

GEO. EDWIN HUNT, D. D. S.,  
INDIANAPOLIS, IND.

S. T. KIRK, D. D. S.,  
KOKOMO, IND.



## EXECUTIVE BOARD.

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WM. L. HEISKELL, D. D. S., . . . . . CHAIRMAN.  
MERIT WELLS, D. D. S., . . . . . TREASURER.  
J. N. HURTY, M. D., Ph. D., . . . . . SECRETARY.

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## FACULTY.

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JUNIUS E. CRAVENS, D. D. S.,  
Professor of Operative Dentistry and Development of the Teeth.

M. F. AULT, M. D., D. D. S.,  
Professor of Physiology and Histology.

A. C. KIMBERLIN, M. D.,  
Professor of Anatomy.

GEO. E. HUNT, M. D., D. D. S.,  
Professor of Materia Medica and Oral Pathology.

J. H. OLIVER, M. D.,  
Professor of Oral Surgery.

J. N. HURTY, M. D., Ph. D.,  
Professor of Chemistry.

E. E. REESE, D. D. S.,  
Professor of Mechanical Dentistry and Metallurgy.

G. B. MARTIN, D. D. S.,  
Adjunct Professor of Mechanical Dentistry, and Special Lecturer on CROWN,  
BRIDGE and PORCELAIN WORK.

ALEMBERT W. BRAYTON, B. S., M. D.,  
Professor of Biology and Microscopy.

THEODORE POTTER, A. M., M. D.,  
Professor of Bacteriology.

[To be supplied.]  
Demonstrator of Operative Dentistry.

G. B. MARTIN, D. D. S.,  
Demonstrator of Mechanical Dentistry.

A. L. WILSON, M. D.,  
Demonstrator of Dissecting.

## SPECIAL LECTURERS AND DEMONSTRATORS.

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- S. B. BROWN, M. D., D. D. S., . . . . . FORT WAYNE  
Ethics of the Profession, Written and Unwritten.
- M. WELLS, D. D. S., . . . . . INDIANAPOLIS  
Conduct of Dental Practice.
- ROBERT VAN VALZAH, D. D. S., . . . . . TERRE HAUTE  
Demonstration, filling with Crystal Gold.
- S. T. KIRK, D. D. S., . . . . . KOKOMO  
Demonstration, filling with non-Cohesive Gold.
- A. J. SMITH, D. D. S., . . . . . GREENFIELD  
Care of Young Patients.
- M. H. CHAPPEL, D. D. S., . . . . . KNIGHTSTOWN  
Dental Pathology, Therapeutics.
- W. B. FLETCHER, M. D., . . . . . INDIANAPOLIS  
Dentistry in its Relation to Nervous Diseases.
- D. A. THOMPSON, M. D., . . . . . INDIANAPOLIS  
Nervous Reflection—Teeth, Eye and Ear.
- L. H. DUNNING, M. D., . . . . . INDIANAPOLIS  
Maternity and its Relation to the Teeth.
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An ample corps of Assistant Demonstrators of Practical Dentistry supplied.

The students of this College are admitted to the Clinical Lectures at the City Hospital throughout the term, upon payment of the regular fee, \$3.00. This is optional.

Arrangements have been made for Dental and Oral Surgery Clinics at the Hospital.



# INDIANA DENTAL COLLEGE,

INDIANAPOLIS.

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Session of 1892-'93.

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*The Indiana Dental College belongs to The National Association of Dental Faculties, and will conform to all its Rules and Regulations.*

The course extends over three years, FRESHMAN, JUNIOR and SENIOR. The College opens Monday, September 5, 1892, and closes the last Friday in March, 1893, giving seven months of instruction.

The object of this College is to furnish a broad and solid dental education, practical as well as theoretical.

Four hours of lectures and recitations, and four hours of practical laboratory work are required for each day, and during eight weeks of each term two hours of dissecting per day. This makes a total of 51 hours attendance on actual work at the College for each student every week.

## ADMISSION.

All candidates for admission, not possessing a high-school diploma or its equivalent from some recognized school, must pass an entrance examination in the common English studies.

Graduates of all recognized Medical Colleges are entitled to enter the second year without examination.

Students holding Certificates of attendance and examination from Colleges belonging to the National Association of Dental Faculties, may enter the Junior or Senior year, according as their Certificates may entitle them.

## GRADUATION.

The candidate for graduation must have attended three full winter courses of lectures, the last of which shall be at this College. He must be of adult age and of good moral character. He must pass all the required examinations, and convince the Professors of

Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his Art. He must prepare a specimen case of artificial dentistry to be deposited in the College collections.

The Degree of Doctor of Dental Surgery (D. D. S.) is conferred upon those only who fully meet the above requirements.

### COLLEGE FEES.

Freshman Year (first year)	-	-	-	\$100 00
Junior Year (second year)	-	-	-	100 00
Senior Year (third year)	-	-	-	100 00
Final Examination Fee (third year),	-	-	-	25 00

There are no extras in this College, the above fees covering dissecting materials, laboratory apparatus and chemicals, and all other incidentals to a full course. Payment is required in advance.

### FRESHMAN AND JUNIOR YEARS.

#### EXAMINATIONS.

Monthly examinations are held in all classes. By this means weak points are discovered and fuller individual training given. At the end of each term examinations determine fitness for advancement, and in the event of being found competent the student, on commencement day, is given a Certificate which entitles him to enter the Junior or Senior class, as the case may be, in Colleges belonging to the National Association of Dental Faculties.

### PROPERTIES.

Each student *must* be provided with one dozen napkins, a reasonable amount of pluggers, excavators, nerve canal instruments, scalers, forceps, etc., laboratory tools and appliances, such as impression cups, files, scrapers, corundum and brush wheels, pliers, plate shears, riveting hammer, small bench-vise, etc., all of which will be useful in practice. Many of the necessary instruments and appliances can sometimes be brought from home. They can be bought here very cheaply, at a liberal discount from catalogue prices. Money spent for good instruments is never wasted, as they last many years. Students should purchase the best. There are two complete Dental Depots near the College. [See list, page 16.]



## THE COLLEGE.

The College is situated on the same block with the Post Office.

Students have the privilege of the State and City Libraries and of numerous public and private lectures, and the many literary and scientific advantages which can only be found in cities.

The INFIRMARY is of ample size, is well ventilated and lighted, and is fully supplied with dental chairs, brackets, engines and articles of Dental Materia Medica.

The most modern electric pluggers, electric lights for dental use, and electric motors for driving dental engines and lathes, have been supplied to the Infirmary, and students are fully instructed in the use of all electric dental appliances.

The Infirmary is personally supervised by Prof. Cravens; the demonstrator will conduct the clinics with an ample corps of assistants. This department is open every day of the week except Sunday during the term, and attendance is obligatory.

Abundance of *dental practice* is guaranteed, as several thousand patients present themselves for treatment annually.

The MECHANICAL LABORATORY is large and well lighted. It is completely fitted up with work-tables, lathes, furnaces, vulcanizers and all appliances for work and instruction in Mechanical Dentistry. Lathes are propelled by electricity and all possible uses of this force are made.

Dr. G. B. Martin, Adjunct Professor of Mechanical Dentistry, personally directs this department, assisted by a corps of Demonstrators. *Crown, Bridge and Porcelain work* are given full attention.

The CHEMICAL LABORATORY is convenient and ample, and new and valuable apparatus has been added. Each student has his own table and drawers, all apparatus and reagents being furnished free. The Chemical Laboratory is always open and accessible to students, and special opportunity is afforded to those desirous of extending their chemical studies beyond the general course.

The LECTURE ROOM is an amphitheater, well lighted and ventilated and is seated with chairs. The lecture accessories are most complete, including a large Electric Stereopticon, Anatomical, Histological, Physical and Chemical charts, and a large counter specially constructed for objective demonstration.

The DISSECTING ROOM is large, with perfect ventilation, and supplied with all appointments incident thereto. An abundance of material is provided without extra expense. No Demonstrator's fees.

## A FULL COURSE IN THIS COLLEGE

Embraces Operative Dentistry, Dental Embryology, Dental Pathology and Therapeutics, Materia Medica, Mechanical Dentistry, Oral Deformities, Oral Surgery, Conduct of Dental Practice, Chemistry, Anatomy, Physiology, Dissecting, Bacteriology, Metallurgy.

### OPERATIVE DENTISTRY, ETC.

The instruction from this chair embraces a study of the teeth—their origin and structure; and students are practiced in diagrammatic work descriptive of structure and conditions. Due consideration is given to materials and appliances used in the practice of Operative Dentistry, and thorough instruction in operations required of practitioners at the chair.

The demonstrations in the Infirmary are in accordance with the lectures upon this branch, and the Clinics are under the general supervision of the Professor of Operative Dentistry, with personal direction of the Demonstrator and assistants.

### MECHANICAL DENTISTRY.

Instruction in Mechanical Dentistry comprises everything essential to perfect the student in Prosthetic work. The teachings in the Lecture Room are amply demonstrated in the Laboratory, embracing construction of artificial dentures on Gold, Platinum, Silver, Aluminum, Vulcanite and other bases.

Especial attention is paid to metal work, including Gold-Crown and Bridge work.

Each student is required to furnish his own bench tools. The Laboratory is provided with lock-boxes for the safe deposit of tools when not in use.

### PHYSIOLOGY.

The lectures and other instructions pertaining to this branch present Physiology emphasized to meet the particular demands of Dental practice. Such appliances, illustrations, and experiments are



made use of, as serve to give the student a clear knowledge of all Physiological processes and Histology.

Anæsthetics and Anæsthesia are considered to the full extent of the present knowledge on these subjects, including instruction upon diagnosis of diseases of the heart and lungs.

### **MATERIA MEDICA.**

The lectures on this subject include a full history of the sources of the principal drugs employed in Dental practice; their effect on the different organs; their indications and contra-indications in disease, and their several doses and antidotes. The student is required to familiarize himself with the signs, symbols, abbreviations, etc., incident to prescription writing.

### **ORAL DEFORMITIES.**

The Etiology, Character and Management of Irregularities in arrangement of the natural teeth, are given by and under direction of the Professor of Operative Dentistry. Surgical Deformities are treated of by Prof. Oliver in his course on

### **PATHOLOGY AND ORAL SURGERY.**

The course in general Pathology, with special attention to the localized pathological conditions of interest to the Dental and Oral Surgeon, is followed by didactic and clinical lectures on Oral Surgery, special attention being given to illustrations of the various plastic operations of the Mouth and Face.

### **CHEMISTRY.**

Chemistry is taught by lecture, recitation and actual Laboratory experience.

Such attention is given to Physics as is useful and necessary to the Dentist.

Chemical Philosophy is presented as the student advances in a knowledge of reactions, and the chemical properties of Matter.

Laboratory work includes experiments illustrating chemical laws and reactions, together with synthesis and analysis.

Animal, Vegetable and Medical Chemistry are treated as extensively and thoroughly as time and the general progress of the students permit.

The professor of Chemistry gives special instructions in the principles, construction and care of all kinds of Electric Batteries.

### **CROWN, BRIDGE AND PORCELAIN WORK.**

The lectures from the Chair of Mechanical Dentistry cover all the essential points of success in this branch, and are supplemented by ample practical demonstrations in the Infirmary and Laboratory.

The various methods of constructing Crowns and Bridges are taught by actual practice. Every year this College has an abundance of practical cases in this department.

Porcelain Inlays and Continuous Gum Work are presented in all their details, and students have every facility for perfecting themselves in these important branches of practice.

This work being under the supervision of competent instructors and the College thoroughly equipped with all necessary appliances, the opportunity to master it fully and completely is unrivaled.

### **ANATOMY.**

Lectures on Anatomy and demonstrations in the Dissecting Room include a consideration of the entire body. Special attention is given in the lecture course to the study of the bones of the head and face; the soft parts of these regions are gone over carefully by the lecturer and illustrated by stereoptic views, and each student is required to dissect the same in the College.

Freshmen are required to study the Osteology of the trunk and extremities, as this has been found to make their work in the Dissecting Room much more interesting and profitable. Fine imported skulls (articulated and disarticulated) are furnished students free. The dissecting rooms are well ventilated and lighted and perfectly equipped, with an abundance of bones, including skulls (articulated and disarticulated). Dissecting Rooms open from 7 to 9 P. M. No charge for cadaver.

### **ORAL PATHOLOGY.**

The lectures on this subject include the various pathological conditions met with in the Oral Cavity, and are delivered by the Professor of Materia Medica, etc.



## CURRICULUM OF STUDY.—OUTLINE FOR EACH YEAR.

### FIRST OR FRESHMAN YEAR.

**OPERATIVE DENTISTRY.**—Study of materials and appliances. Hand studies of dental tissues, including diagrammatic work. Primary course on development of teeth. Technique and table operations. Admittance to the Infirmary with privilege of minor practice.

**PROSTHETIC DENTISTRY.**—The evolution of Prosthetic Dentistry. Consideration of plastic elements employed in dental laboratories. The working properties of various substances used in taking impressions of the gums and palate. How to take impressions. Materials and methods of employment in modeling plates and gums for artificial teeth. Arrangement of artificial teeth. Securing articulation of teeth. Selection of teeth, determining proper width, length and color for given cases. Principles of flasking for vulcanizing. How to pack cases with rubber, combination of various preparations of rubber for particular effect. The desirable and undesirable properties of various preparations of rubber. Vulcanizing, dressing and finishing plates of rubber. Fitting plates in the mouth.

Students of the Freshman year are taught the manufacture and tempering of Dental instruments, tools and appliances.

**ANATOMY.**—Histological, Physiological and Topographical Anatomy. Osteology, excluding that of the Head.

**PHYSIOLOGY.**—Histology of the various tissues of the body, fully illustrated by charts and lantern.

**MATERIA MEDICA.**—General Materia Medica. Therapeutics. Pharmacy. Care of remedies.

**CHEMISTRY.**—General and fundamental consideration of Light, Heat and Electricity. Metrology. Specific gravity. Chemical apparatus, kinds, uses, care of same. Chemical processes, namely solution, precipitation, distillation, sublimation, filtration, evaporation, fusion, calcination, incineration, crystallization, etc. Introduction to synthesis and inorganic qualitative analysis.

### SECOND OR JUNIOR YEAR.

**OPERATIVE DENTISTRY.**—Dental embryology. Completed study of dental tissues. Diagrammatic work, illuminated. Philosophy of development of teeth. Diagnosis and prognosis. Principles of practice.

Written examinations are held monthly, the results of which, summarized, serve to construct the per cent. of students on the work of the Junior year.

Each student is provided with a blank book for written examinations and illuminated drawings; the work in these books has to be very carefully done, as this work is retained by the College.

The junior year includes general practice in the Infirmary.

**MECHANICAL DENTISTRY.**—Adaption of porcelain gum to the contour of the natural ridge by grinding. Securing tight joints between gum sections. Consideration of materials other than plastics, such as Gold, Silver, Platinum and Aluminum used for Dental Plates. The use of Zinc, Lead and Alloys for models in forming plates for artificial teeth. Attaching artificial teeth to plates of rubber or metal. Soldering in dental laboratories.

Principles governing retention of plates of teeth in the mouth. Principles governing articulation of teeth—natural and artificial. Modeling with wax for restoration of lost facial expression.

**ANATOMY.**—Review of Junior work. Osteology of the Head and the applied anatomy of the brain and cranial nerves. Dissection.

**PHYSIOLOGY.**—Review. Proximate principles. Food. Digestion. Respiration. Circulation. Animal heat. Illustrated review.

**MATERIA MEDICA.**—Dental Materia Medica. Dental Therapeutics. This subject finished.

**CHEMISTRY.**—Advanced consideration of Light, Heat and Electricity. Voltaic batteries; kinds, care of same. Synthesis. Crystallography introduced. Inorganic qualitative analysis finished. Chemical philosophy. Introduction to Organic Chemistry.

### THIRD OR SENIOR YEAR.

**OPERATIVE DENTISTRY.**—Special pathology. Irregularities of the teeth; cause, character and treatment. Dental philosophy. Higher clinics—selected. Complete diagrammatic work, illuminated and technical.

**MECHANICAL DENTISTRY.**—Metallurgy. Alloying gold for the purposes of Dentistry. Refining scrap gold. Reduction of gold to certain forms—such as plate, bar and wire. Pickling. Constitution of solders, the use of fluxes.

The work of the Second or Junior year is reviewed and perfected, in which a high rating must be attained as essential to eligibility to final examination in this branch.

Consideration of such specialties as *continuous gum* (Porcelain work), *Gold crowning*, and all styles of *bridge work* is con-



ducted by Prof. Martin, adjunct to the chair of Prosthetic Dentistry and Superintendent of the Dental Laboratory.

ORAL PATHOLOGY.—The following is an abstract of the lectures given on this subject :

A. Nutrition Arrested.

1. Necrosis.

*a.* Of soft parts.

*b.* Of bone, with special reference to the maxillæ.

B. Nutrition Impaired.

1. Atrophy.

2. Fatty degeneration.

3. Parenchymatous degeneration.

4. Calcarious degeneration.

C. Nutrition Increased.

1. Hypertrophy.

2. Tumors.

*a.* Fibromata.

*b.* Myxomata.

*c.* Chondromata.

*d.* Osteomata.

*e.* Sarcomata.

*f.* Papillomata.

*g.* Adenomata.

*h.* Carcinomata.

3. Cysts.

D. Anæmia.

E. Hyperæmia.

F. Thrombosis and Embolism.

G. Inflammation.

1. Changes in blood vessels and circulation.

2. Escape of fluids and blood corpuscles.

3. Changes in inflamed tissues.

4. Explanation of phenomena of inflammation.

5. Explanation of clinical signs of inflammation.

6. Varieties of inflammation.

*a.* Serous.

*b.* Fibrinous.

*c.* Productive.

*d.* Suppurative.

7. Formation of an acute abscess.

8. Ulcerative inflammation.

9. Terminations of inflammation.
  - a. Resolution.
  - b. Necrosis.
  - c. New growth.
10. Modes of spread of an inflammation.
11. Mode of arrest of an inflammation.
- H. Inflammation of bone. Treatment.
- I. Inflammation of mucous membranes.
  1. Oral mucous membrane. Treatment.
  2. Antral mucous membrane. Treatment.
- J. Septicæmia and Pyæmia.
- K. Syphilis.

ANATOMY.—Review. Study of the soft parts of the head and neck with surgical anatomy of the same. Dissecting finished.

PHYSIOLOGY.—Nervous system. Physiology of anæsthesia and other dental therapy. Special work and review.

CHEMISTRY.—Chemical philosophy. Quantitive analysis. Organic chemistry. Saliva analysis.

### BACTERIOLOGY.

Special lectures by Theodore Potter, M. D., A. M., Professor of Bacteriology, Medical College of Indiana.

1. Germs and the germ theory of disease. Their place in biology and pathology.
2. History and development of the germ theory to the present state.
3. The field and limitations of the germ theory and of germ activity.
4. Proofs of the germ causation of disease.
5. Methods of bacteriological investigation of disease.
6. Cultivation and microscopic examination of bacteria.
7. Classification and description of bacteria from a pathological standpoint.
8. Suppuration and sepsis.
9. Bacteriology of the mouth and neighboring regions.
10. Disinfection, antisepsis and asepsis.

### PATHOLOGY.

Special lectures by Alembert W. Brayton, B. S., M. D., Professor of Pathology, Medical College of Indiana:

1. The microscope.
2. Nature and course of disease.



3. Circulatory disturbances.
4. Inflammation.
5. The degenerations.
6. Neoplasms, benign and malignant.
7. The infective granulomata.
8. Evolution, the general theory.
9. Evolution and disease.
10. Theories of heredity [Darwin, Brooks, Weissman, Geddes].

NEUROLOGY.—W. B. Fletcher, A. M., M. D., Professor of Diseases of the Mind and Nervous System, College of Physicians and Surgeons. A course of three lectures on the nervous system in health and disease, and its relation to the condition of the dental organs.

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## ALUMNI ASSOCIATION.

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At the close of the College session of 1889-90, the members of the graduating class of that year, assisted by the resident graduates, perfected an organization to be known as "THE INDIANA DENTAL COLLEGE ALUMNI ASSOCIATION," having for its object the promotion of a closer social fellowship among graduates and a revival of interest in our Alma Mater.

It is our desire to enroll all graduates on our roster, and any graduates not yet members of the Association, will confer a favor by sending their name and address to the Secretary. Over 50 per cent. of the Alumni are already members of the Association, and every endeavor will be made to make the roll complete at as early a date as possible.

The annual meeting will be held during Commencement week, in March, 1893. Due notice will be given. It is the desire to arrange an enjoyable social evening with an Alumni Dinner.

M. M. COOK, D. D. S., *President*,  
Kokomo.

H. M. ZEHRUNG, D. D. S., *Vice-President*,  
Cambridge City.

G. E. HUNT, D. D. S., *Sec. and Treas.*,  
143 N. Pennsylvania St., Indianapolis.

# INDIANA DENTAL COLLEGE.

FIRST FLOOR.

N.

COURT — STREET

PENNSYLVANIA STREET

FRONT.  
W.

INFIRMARY

INFIRMARY

E.

AREA

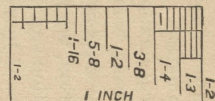
CHEMICAL  
LABORATORY

W.C.

MUSEUM  
FACULTY  
LIBRARY

S.

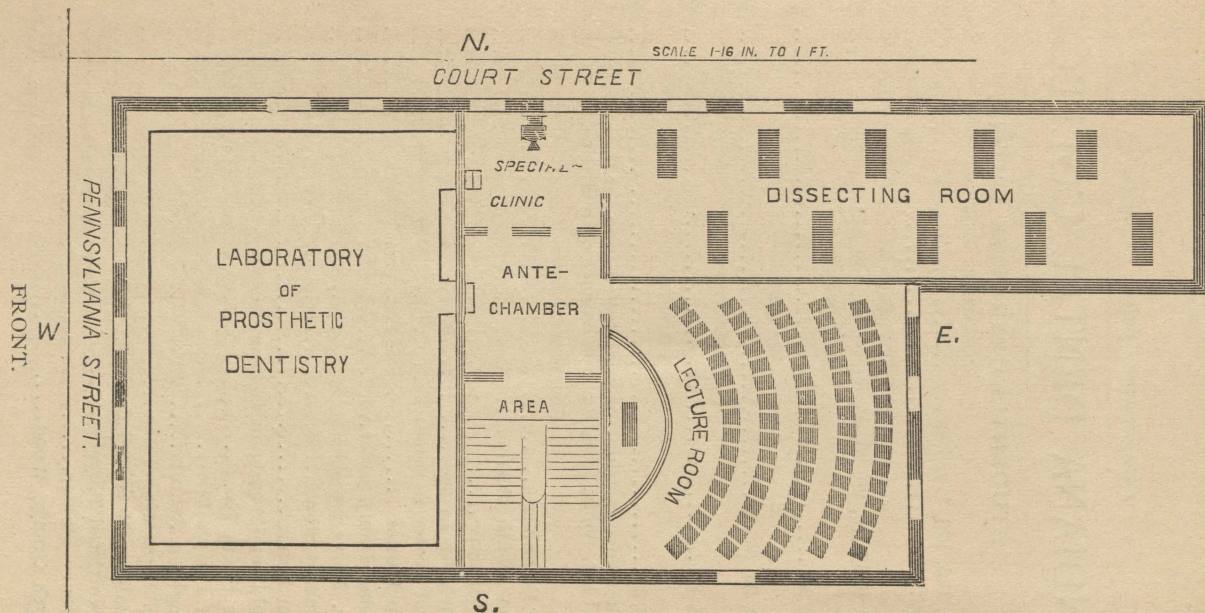
SCALE 1-16 IN. TO 1 FT.





# INDIANA DENTAL COLLEGE

## SECOND FLOOR.



### INSIDE MEASUREMENTS.

Each Floor, East and West.....	85 feet.
Each Floor, North and South.....	38 feet.

*This Student's Outfit Is Suggested.*

## INDIANA DENTAL COLLEGE.

### STUDENT'S OPERATIVE OUTFIT.

#### PLUGGERS.

Nos. 7, 175, 176, 179, 180.....	\$2 50
No. 402.....	60

#### EXCAVATORS.

Nos. 3, 6, 16, 19, 20, 25, 45, 48, 84, 87, 149, 151.....	\$2 50
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#### BURNISHERS.

Nos. 3, 30.....	\$1 00
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#### SCALERS.

Nos. 2, 30, 57, 62.....	\$2 00
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#### EXPLORERS.

Nos. 5, 8.....	\$0 42
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#### CHISELS.

Nos. 3, 17.....	\$1 00
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The above instruments are selected from the S. S. W. D. M. Co.'s revised list, April, 1890, for convenience of reference.

#### MISCELLANEOUS.

1 Pair Foil Shears.....	\$1 00
1 Plain Mouth Mirror.....	1 00
1 Ribbon Saw.....	10
1 Annealing Lamp.....	40
1 Metal Water Syringe.....	1 00
1 Chip Blower.....	75
1 Rubber Dam Holder.....	1 00
1 Doz. Nerve Broaches.....	75
1 Arkansas Stone.....	75
1 Gum Lance.....	75
1 Double-end Amalgam Instrument, No. 7.....	1 50
1 Pair Pliers, No. 2.....	1 75
1 Pair Perry's Pliers.....	70
1 Houghton Spatula.....	75
1 Doz. Separating Files.....	1 25
2 Donaldson Nerve Bristles.....	50
2 Nerve Canal Pluggers.....	50
1 Mercury Holder.....	50
1 Bunch Orange Wood.....	10



1 Nerve Broach Holder.....	\$0 25
2 Spools Floss Silk.....	25
2 Doz. Burs and Mandrels.....	5 00
Disks.....	50
1 Bunch Finishing Strips.....	05
1 Oz. Cotton or Spunk.....	20
1 Quarter yd. Rubber Dam.....	40
2 Nerve Drills.....	80
1 Doz. Napkins.....	40
1 Rubber Dam Punch.....	50
Total.....	\$33 42

**LABORATORY OUTFIT.**

1 Plain Line Articulator.....	\$0 90
1 Half lb. Pink Paraffine and Wax for Baseplate.....	60
1 Double-end Rubber File.....	45
2 Brush Wheels.....	75
2 Rubber Scrapers.....	50
6 Impression Cups.....	1 50
1 Felt Cone.....	20
1 Bunsen Burner and Tubing.....	1 00
2 Corundum Wheels.....	40
1 Half lb. Modeling Compound.....	65
1 Flask and Wrench.....	95
2 Pair Pliers, Flat and Round. ....	1 00
1 Horn Mallet.....	45
1 Riveting Hammer.....	70
1 Pair Soldering Tweezers.....	10
2 Gold Files.....	70
Malott's Moldine and Metal.....	1 50
1 Pair Plate Shears.....	1 25
1 Blow Pipe.....	25
1 Plate Punch.....	2 25
1 Wax Spatula.....	25
1 Rubber Plaster Bowl.....	60
Total.....	\$16 95

**FORCEPS.**

S. S. White D. M. Co.'s Plain Line, Nos. 2, 10, 11, 15, 18 right, 18 left, 39.....	\$17 50
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**ENGINE.**

Optional.....	\$40 00
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## GRADUATES.

### TERM OF 1879 AND 1880.

R. W. Van Valzah,	Indiana.
W. E. Swigert,	Indiana.
E. J. Church,	Indiana.

### TERM OF 1880 AND 1881.

J. R. Lowe,	Iowa.
J. E. Waugh,	Indiana.
H. H. Depew,	Illinois.
L. J. Allen ( <i>dead</i> ),	Indiana.
I. B. Rembert,	Mississippi.
J. G. Parsons,	California.
J. C. Walton,	Michigan.
DeW. C. West,	Iowa.
C. A. Pooler,	New York.
L. E. Urich ( <i>dead</i> ),	Illinois.

### TERM OF 1881 AND 1882.

F. M. Harris,	Indiana.
T. R. Woodard,	Indiana.
W. F. Kennedy,	Nebraska.
L. L. Hinshaw,	Indiana.
W. W. Shryrock,	Indiana.
C. A. Murray,	Ohio.
J. L. Mahan,	Ohio.
J. E. Bodine,	Indiana.
D. R. Smith,	Illinois.
R. E. Henshie,	Illinois.
F. W. Blomily,	Dakota.
W. M. Ransdell,	New York.
D. G. Parker,	California.
E. W. Sheriff,	Illinois.
F. Sawhill,	Illinois.

### TERM OF 1882 AND 1883.

C. B. Bratt,	Pennsylvania.
J. E. Ratts,	Indiana.
A. Burress,	Illinois.
F. C. Callaghan,	Pennsylvania.
G. G. Hollister,	Pennsylvania.



J. B. Ribble,	Indiana.
W. S. Wilson,	New York.
E. P. Elson,	Ohio.
A. J. Smith,	Indiana.
C. H. Baldwin,	New Hampshire.
C. H. Funk,	Michigan.
A. L. Smith,	Nebraska.
I. N. Shepherd,	Illinois.
C. A. Mills,	Ohio.
S. C. Goff,	Wisconsin.
J. S. Basom,	Ohio.
R. Newhouse,	Indiana.
A. E. Bucher ( <i>dead</i> ),	Indiana.
W. C. Stewart,	Mississippi.
Geo. Stathers,	Pennsylvania.
A. E. Buchanan,	Indiana.

## TERM OF 1883 AND 1884.

S. A. Kiser,	Ohio.
O. W. Willis,	Indiana.
A. D. Leach,	Virginia.
J. W. Adams,	Indiana.
R. Elson,	Indiana.
F. C. Ayres,	New York.
H. A. Chandler,	Ohio.
E. A. Gillett,	Indiana.
W. M. Bayless,	Missouri.
J. A. Bowman,	Illinois.
S. M. Kennedy,	Pennsylvania.
T. H. Morgan,	Indiana.
C. C. Curtis,	Indiana.
H. W. Runyan,	Michigan.
H. S. Ainsworth,	Ohio.
C. W. Myers,	Indiana.
D. C. Harrold,	Indiana.
M. J. Kelly,	Iowa.
G. B. Hough,	Pennsylvania.
G. S. Clemens,	Indiana.

## TERM OF 1884 AND 1885.

Fred H. Emmerling,	Wisconsin.
Frank H. Horner,	Pennsylvania.

William C. Archer,	Indiana.
William R. Dunn,	Indiana.
William H. Bucher,	Kansas.
Gust. Weinmann,	Pennsylvania.
Marshall M. Keep,	Ohio.
J. Monticello Sprinkle.	Illinois.
John E. Davis,	California.
B. G. Miller,	Michigan.
James W. Prall,	Indiana.
George W. Tainter,	Missouri.
Frank Dowd,	Ohio.

## TERM OF 1885 AND 1886.

John H. Palin,	Michigan.
Alfred S. Price,	Kentucky.
Elmer E. Stewart,	Ohio.
James E. Montgomery,	Pennsylvania.
Elmer E. Jones,	Indiana.
Lewis L. Clarke,	Massachusetts.
Roland M. Smiley,	Indiana.
William H. Rowand,	Ohio.
Owen S. Lynn,	Indiana.
Alonzo L. Jones,	Indiana.
William N. Wilson,	Indiana.

## TERM OF 1886 AND 1887.

L. G. Bell,	Wisconsin.
Charles Woelz,	Illinois.
John E. Carmon,	Illinois.
John H. Evans,	Indiana.
S. Oliver,	Pennsylvania.
T. J. Hood,*	Kentucky.
S. N. Blackledge,	Indiana.
Milton Lamb,	Indiana.
John H. Bird,	Michigan.
Geo. Marback,	Indiana.
P. W. Earhart,	Indiana.
J. W. Bates,	Michigan.
W. M. Easton,	Michigan.
J. J. Lickley,	Michigan.



## TERM OF 1887 AND 1888.

W. J. P. Lawton,	Nebraska.
C. P. Curtis,	Indiana.
J. L. Barnes,	Illinois.
H. S. Hicks,	Indiana.
W. H. Beeson,	Indiana.
E. Reese,	Indiana.
G. W. Raber,	Wisconsin.
J. H. Daugherty,	Indiana.
R. H. Clark,	Michigan.
L. A. Stewart,	Indiana.
W. M. Jones,	Indiana.
J. W. Lopp,	Indiana.
W. A. Alexander,	Illinois.
M. DeF. McKee,	Ohio.
C. J. Lange,	Wisconsin.
J. S. McCurdy,	Indiana.
R. T. Oliver,	Indiana.

## TERM OF 1888 AND 1889.

Willard W. Gates,	Indiana.
M. F. Ault,	Indiana.
Harry W. Cole,	Indiana.
Waldo E. Collane,	Indiana.
Peter S. Bower,	Indiana.
Ward E. Bullard,	Indiana.
W. Ellis Wiessell,	Indiana.
John C. Walker,	Kansas.
Charles S. Hardy,	Ontario, Canada.
Frederick H. Reiss,	Illinois.
Bion Moss,	Wisconsin.
Charles K. Raber,	Wisconsin.
William Finn,	Wisconsin.
Sidney W. Curtis,	West Virginia.
George B. Martin,	Michigan.
Robert D. Blakeman,	Kentucky.
Moses P. Niswonger,	Ohio.

## TERM OF 1889 AND 1890.

E. H. Kieth,	Wisconsin.
B. W. Jones,	Michigan.
E. G. Fry,	Indiana.

A. H. Brown,	Indiana.
J. W. Hess,	Indiana.
C. A. Rowand,	Ohio.
H. B. Tucker,	Indiana.
H. L. Cormican,	Wisconsin.
W. W. Mungen,	Indiana.
R. B. Gentle,	Indiana.
I. N. Sheppard,	Illinois.
G. W. Thompson,	Indiana.
W. L. Tevis,	Indiana.
T. E. Coffin,	Indiana.
Morris Coffin,	Indiana.
N. F. Hazlett,	Indiana.
F. B. Gonzales,	Indiana.
B. Brimacombe,	Ontario, Canada.
L. A. Cox,	Minnesota.
T. H. Davidson,	Indiana.
B. W. Sober,	Illinois.
C. E. Erwin,	Indiana.
E. D. Baily,	Indiana.
G. E. Hunt,	Indiana.
G. W. Tainter, Jr.,	Missouri.
E. R. Trippe,	Wisconsin.
E. H. Green,	Minnesota.
R. W. Reese,	Indiana.

## TERM OF 1890 AND 1891.

Walter S. Beazley,	Kentucky.
Geo. C. Keel,	Indiana.
B. D. Curtis,	Indiana.
Chas. G. Hoover,	Indiana.
Morris H. Raschig,	Indiana.
H. M. Zehrung,	Indiana.
J. M. Lewis,	Indiana.
Wm. Johnson,	Ohio.
C. E. Whitesides,	Indiana.
C. P. Danks,	Indiana.
E. D. Foulds,	Canada.
O. F. Overstreet,	Indiana.
M. J. Keightly,	Indiana.
C. Feigel,	Indiana.
A. L. Austin,	Illinois.



C. F. Williams,	Indiana.
Frank Smith,	Indiana.
L. W. Roe,	Pennsylvania.
R. H. Kizer,	Ohio.
D. Otis Palmer,	Indiana.
O. V. Simmerman,	Indiana.
Jas. B. Jacques,	Minnesota.
M. M. Cook,	Indiana.
Hattie G. Scott,	Texas.
Geo. S. Rhea,	Pennsylvania.
E. T. Shields,	Indiana.
M. W. Johnston,	Indiana.
O. A. Kieser,	Ohio.
Lewis J. Stiver,	Indiana.
A. O. McCutcheon,	Michigan.
C. P. Tinkham,	Indiana.
C. B. Hayford,	Ohio.
Perrie A. Row,	Indiana.
Lucinia B. McCollum,	Minnesota.
J. B. Brimmacombe,	Canada.
L. T. Lichtenwalter,	Indiana.
B. T. Perkins,	Indiana.
Mark L. Smith,	Illinois.
W. E. Armstrong,	Indiana.
H. C. Heaton,	Indiana.

## TERM OF 1891 AND 1892.

W. Anderson,	Minnesota.
W. G. Burket,	Indiana.
B. F. Batson,	Illinois.
G. W. Burch,	Nebraska.
C. E. Burket,	Indiana.
Orlando Burns,	Indiana.
J. H. Bloor,	Ohio.
W. J. Bradbury,	Wisconsin.
G. G. Billman,	Indiana.
H. M. Brown,	Illinois.
W. T. Clarke,	Texas.
Harry Corken,	Ohio.
W. E. Diley,	Indiana.
H. D. Dewar,	Michigan.

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D. A. Elwell,	Ohio.
G. C. Fleischman,	Wisconsin.
W. A. Gant,	Indiana.
E. H. Gage,	Indiana.
J. H. George,	Indiana.
H. C. Goodrich,	Indiana.
C. F. Gray,	Indiana.
B. F. Gray,	Indiana.
D. W. Gray,	Indiana.
W. M. Hall,	Indiana.
J. E. Henderson,	Indiana.
W. H. Harp,	Illinois.
D. S. Hontz,	Indiana.
W. Z. King,	Indiana.
D. L. Lucus,	California.
D. B. Lockhart,	Indiana.
J. O. Miessen,	Indiana.
P. N. Malm,	Minnesota.
W. J. Morris,	Indiana.
W. L. McNamara,	Ohio.
Charles B. Fletcher,	Indiana.
A. A. Powell,	Indiana.
E. E. Pierce,	Indiana.
D. L. Prall,	Indiana.
P. A. Rood,	Indiana.
Claude V. Runyan,	Indiana.
M. A. Root,	Michigan.
W. B. Ridgeway,	Indiana.
Elmer A. Smythe,	Indiana.
R. W. Sessions,	Indiana.
Blaine Sellers,	Indiana.
J. G. Schneider,	Wisconsin.
T. W. Scott,	Ohio.
E. B. Tyler,	Indiana.
C. W. Throop,	Michigan.
F. E. Woods,	Indiana.
Q. H. Woodruff,	Indiana.
M. L. White,	Indiana.
F. Wright,	Minnesota.
A. T. White,	Indiana.
F. Winchester,	Michigan.



## RECAPITULATION.

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### TOTAL EXPENSES FOR ONE COURSE.

College Fees* (omitting Diploma Fee), . . . . .	\$100 00
Instruments, Tools and Books (if bought all new) . . . . .	80 00
Board,† complete, twenty-seven weeks, at \$4 per week, . . . . .	108 00
Washing, . . . . .	10 00
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‡Total—a liberal estimate for first term . . . . .	\$298 00

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## MEMORANDUM.

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No students will be admitted after October 4th, under a rule of National Association of Faculties, to which this College belongs.

All students are urged to be present on the opening day, in order to secure desirable rooms, board, etc., and arrange other preliminaries.

There are no extra fees in the College Course.

Students, on arrival in the city, should call on the Secretary without delay, leaving baggage checked at the depot to save expense and trouble.

Address all communications to

J. N. HURTY, M. D., Ph. D., *Secretary*,  
102 North Pennsylvania Street,  
INDIANAPOLIS, IND.

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\*Final Examination Fee (\$25) to be deposited by the 1st of March, third term.

†Board may be obtained for a much less amount, but of a less desirable quality.

‡The total expenses of a second and third term are reduced to \$250.

