

UNIVERSITY  
Bo443<sup>of</sup>  
BISHOP'S COLLEGE.

THIRD ANNUAL ANNOUNCEMENT

OF THE

FACULTY OF MEDICINE,  
**MONTREAL.**

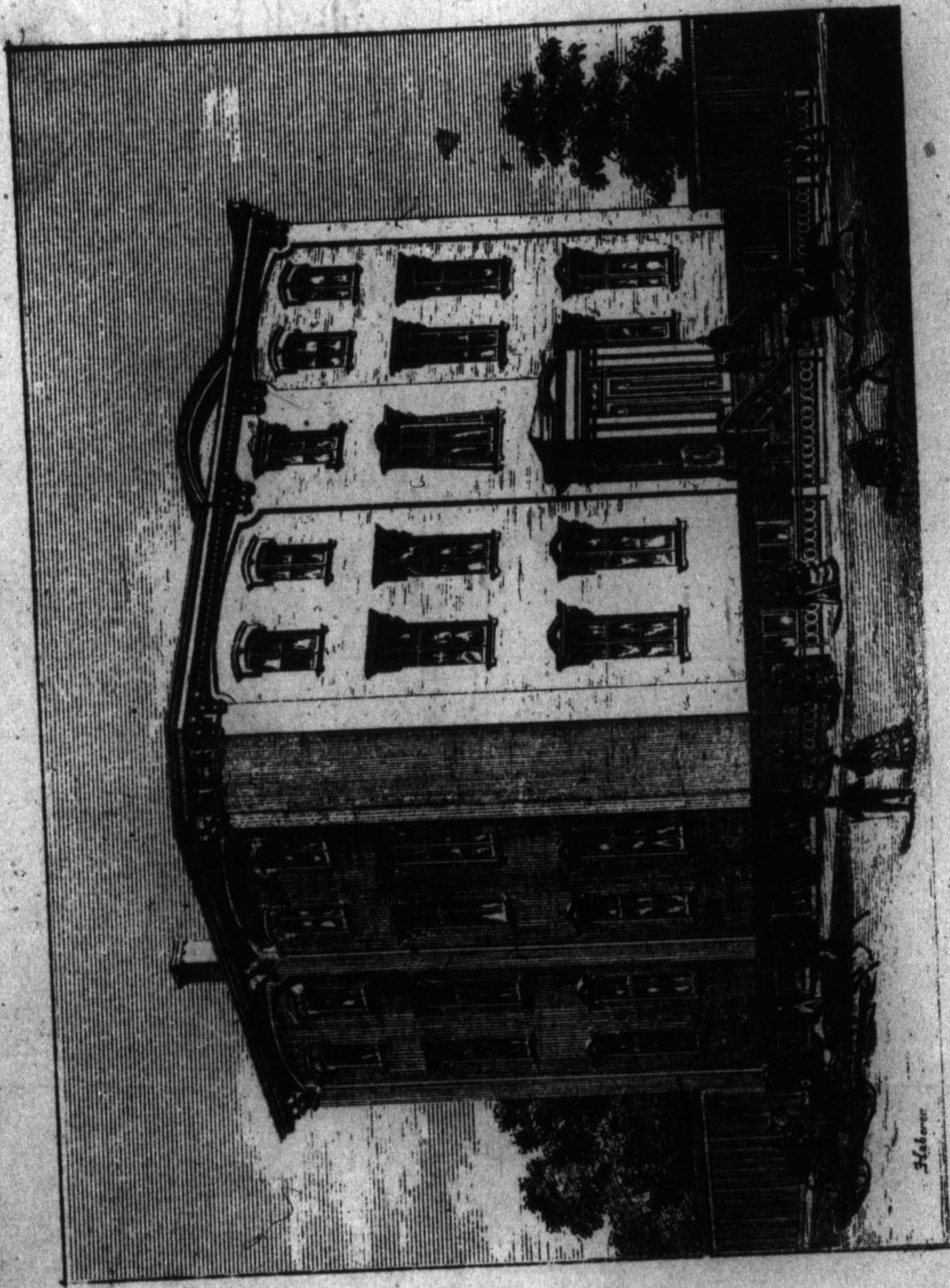
SESSION 1873--74.



Montreal:

PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET

1873



A BUILDING OF THE MEDICAL FACULTY,  
UNIVERSITY OF CHICAGO COLLEGE.

UNIVERSITY  
OF  
BISHOP'S COLLEGE.

THIRD ANNUAL ANNOUNCEMENT

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FACULTY OF MEDICINE,  
**MONTREAL.**

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1873.

BUILDING OF THE MEDICAL FACULTY,  
UNIVERSITY OF BISHOP'S COLLEGE.

*All communications relating to the Medical Department of this University should be directed either to the Dean of the Medical Faculty, DR. DAVID, 42 Beaver Hall Terrace, or to the Registrar, DR. F. W. CAMPBELL, 10 Phillips Place, Beaver Hall.*

*Students, on arriving in this city, should call upon either of the above gentlemen, when they will receive all necessary information.*

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CORPORATION  
OF THE  
UNIVERSITY OF BISHOP'S COLLEGE.

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**PRESIDENT OF THE CORPORATION AND VISITOR.**  
THE RIGHT REVEREND THE LORD BISHOP OF QUEBEC.

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**VICE-PRESIDENT OF THE CORPORATION AND VISITOR.**  
THE MOST REV. THE LORD BISHOP OF MONTREAL, METROPOLITAN.

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**OFFICERS OF THE COLLEGE.**

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E. CHAPMAN, Esq., M.A., Bursar.  
The Rev. R. C. TOMBS, M.A., Curator of Museum.

## Faculty of Medicine.

- A. H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L., Dean, PROFESSOR OF THEORY AND PRACTICE OF MEDICINE, 42 *Beaver Hall Terrace*.
- R. T. GODFREY, M.A., M.D., C.M., PROFESSOR OF THE PRINCIPLES AND PRACTICE OF SURGERY, 960 *St. Catherine Street*.
- J. L. LEPROHON, M.A., M.D., C.M., PROFESSOR OF HYGIENE, 51 *St. Radegonde Street*.
- F. W. CAMPBELL, M.A., M.D., L.R.C.P., LOND., PROFESSOR OF PHYSIOLOGY, 10 *Phillips Place, Beaver Hall*.
- E. H. TRENHOLME, M.A., M.D., C.M., B.C.L., PROFESSOR OF MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN, 32 *St. Radegonde Street, Victoria Square*.
- J. B. EDWARDS, M.A., Ph.D., D.C.L., PROFESSOR OF CHEMISTRY, PRACTICAL CHEMISTRY AND MICROSCOPY, 630 *Lagauchetière Street*.
- R. A. KENNEDY, M.A., M.D., C.M., PROFESSOR OF ANATOMY, 44 *Bleury Street*.
- W. GARDNER, A.M., M.D., C.M., PROFESSOR OF MEDICAL JURISPRUDENCE, 525 *St. Joseph Street*.
- G. WILKINS, M.D., M.R.C.S. ENG., PROFESSOR OF PATHOLOGY, 165 *St Antoine Street*.
- S. E. TABB, M.A., M.D., C.M., PROFESSOR OF BOTANY AND ZOOLOGY, 18 *St. Radegonde Street*.
- A. H. KOLLMYER, M.A., M.D., PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS, 80 *St. Urbain Street*.
- 
- G. B. SHAW, C.M., M.D., LECTURER ON CHEMISTRY, 630 *Lagauchetière Street*.
- J. FERRIGO, M.A., M.D., C.M., M.R.C.S., ENG., DEMONSTRATOR OF ANATOMY, 591 *St. Catherine Street*.
- ANDRE LATOUR, C.M., M.D., ASSISTANT DEMONSTRATOR OF ANATOMY.
- WOLFRED NELSON, C.M., M.D., CURATOR OF MUSEUM, 1 *St. James Place, 199 Canning Street*.

THE  
**Faculty of Medicine**  
OF THE  
UNIVERSITY OF BISHOP'S COLLEGE

Will open their third Session in Montreal on Wednesday, the first day of October, with an introductory address by Professor Trenholme, and, with the exception of a short vacation at Christmas, will continue till the end of March:

In issuing this announcement, the Faculty do so with feelings of pride at the unprecedentedly large number of students that matriculated and attended lectures during the two previous sessions. Twenty-five students their first session, and thirty students their second session, is a record which but few other Medical Colleges—certainly none in the Dominion of Canada—can boast of.

In consequence of the success of their first session, the Faculty, at great expense, erected a large building on the corner of Ontario and St. George streets. The increased success of their second session has caused them to spare no expense in completing and perfecting all modern improvements and facilities so as to place this college in the first rank for acquiring medical knowledge.

The building contains two large lecture rooms with comfortable seats for the accommodation of the students, a Museum and Library, also a Laboratory, which is fitted up with every modern convenience for practical chemistry, and the study of the microscope. The dissecting room is large, airy, and well lighted, affording students every opportunity for proceeding with this important branch of their study, special attention being paid to ventilation.

## HOSPITAL PRACTICE.

Montreal is particularly rich in the facilities which it affords for hospital practice; the large number of factories and the enormous shipping furnishing a constant and varied supply of surgical cases.

The *Montreal General Hospital* (130 beds) is situated within a few minutes walk of the college, and is visited daily at noon. It affords equal advantages to students of all medical colleges for obtaining a practical knowledge of every department of medicine and surgery. Within the hospital grounds is situated a large building for the reception of fever patients, where the various forms of fever can be studied to advantage. The governors of the institution have in process of construction a new wing, which will be used as a children's hospital. This will enable students to have practical illustrations before them of cases, which will form a large proportion of their future practice. The very great number of out-patients—averaging fifty a day—furnishes an extensive field for the study of diseases of the eye and skin, as well as minor surgery.

Clinical instruction is given daily, and all operations performed in presence of the students.

Fees for attendance:—Six months, \$8; twelve months, \$12; perpetual, \$20.

The *Hotel Dieu* and *St. Patrick's Hospital* (175 beds) are also within a few minutes walk of the college. They are visited daily at noon, and allow equal privileges to all students.

The *Montreal Dispensary*, with a staff of eight physicians, has an average daily attendance of twenty patients. It likewise offers an extensive field for the study of diseases peculiar to women and children. Being in close proximity to the manufacturing district of the city, it has a large number of minor accidents brought to it for attention, thus giving excellent opportunity for the practice of minor surgery—such as dressing wounds, bandaging, strapping, application of splints, &c.

The student will have every facility afforded him for acquiring practical knowledge, by auscultation and percussion, of diseases of the chest, which form a large proportion of the cases seen here.

In practical pharmacy the student has great advantages: the dispensing is done entirely by students in attendance, under the supervision of the attending physicians. Many useful and practical hints in the compounding of drugs, as well as their doses, are thereby acquired.

Clinical instruction will be given by several of the attending physicians on the more important cases which may present themselves.

Fees for attendance;—\$2 for three months; \$3 for six months; \$5 for twelve months.

## MATRICULATION EXAMINATION.

*Examiners*: Rev. R. W. Norman, M.A., Oxon. and "officers of the college."

The subjects of Examination will be the same as recommended by the Council for Medical Education and Registration of Great Britain, which are as follows:—

**COMPULSORY SUBJECTS**: English language, including grammar and composition; Arithmetic, including vulgar and decimal fractions; Algebra, to simple equations inclusive; Euclid, books I. and II; Latin translation and grammar.

**OPTIONAL SUBJECTS**: [Candidates can select any one of the following subjects.] Greek, French, German, and Natural Philosophy, including Mechanics, Hydrostatics, and Pneumatics.

Graduates in arts (not honorary) of recognized Universities, and matriculants in recognized colleges are not required to submit to the matriculation examination.

The matriculation examinations will be held in the first week in October and the last week in March.

## PROFESSIONAL EXAMINATIONS.

Each candidate is examined both in writing and *viva voce*—First, on \* Botany or Zoology (whichever the candidate selects); secondly, on Anatomy, Physiology, Materia Medica, and Chemistry; thirdly, (final examination), on Practice of Medicine, Surgery, Pathology, Midwifery and Diseases of Women and Children, Medical Jurisprudence, and Hygiene.

Students are at liberty to present themselves for examination on the first of these subjects at the end of their first session.

Students who have passed their examination on the first division of these subjects may be admitted to examination on the second division at the end of their third year.

Students who have passed their examination on the second division of these subjects may be admitted to the final examination at the end of their fourth year.

Candidates may, if they choose, be admitted to the three examinations at the end of their fourth year.

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\* A graduate in Arts is not required to pass the examination in Botany or Zoology.

## SUGGESTIONS TO STUDENTS.

Although the statutes of the University permit a student to present himself for graduation after three years attendance on lectures, provided he has previously studied one full year with a duly licensed practitioner, yet it would be advisable that the entire period of four years be devoted to attendance on lectures during Session, in which case he is recommended to attend as follows (paying special attention to practical anatomy during the first two years) :—

### FOUR YEARS COURSE.

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#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY, BOTANY  
AND ZOOLOGY, DISSECTIONS, HOSPITAL PRACTICE.

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#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, MEDICINE, SURGERY, MIDWIFERY AND  
DISEASES OF WOMEN AND CHILDREN, DISSECTIONS,  
HOSPITAL PRACTICE AND CLINICAL LECTURES.

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#### THIRD SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY,  
PRACTICAL CHEMISTRY, DISSECTIONS.

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#### FOURTH SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES OF  
WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

Should a student have already studied one year with a licensed practitioner, and contemplate spending but three sessions at college, he is recommended to take the classes in the following order :—

### THREE YEARS COURSE.

#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA, BOTANY  
AND ZOOLOGY, MIDWIFERY AND DISEASES OF WOMEN  
AND CHILDREN, SURGERY, DISSECTIONS,  
HOSPITAL PRACTICE.

#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA,  
MEDICINE, PRACTICAL CHEMISTRY, DISSECTIONS,  
HOSPITAL PRACTICE, CLINICAL LECTURES.

#### THIRD SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES  
OF WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

An *annus medicus* is constituted by at least two full courses of 120 lectures each, or by one such course, and two courses of 60 lectures each, with previous enregistration.

Students are required to enregister their names at the commencement of each session. The registration book of the College will be closed on the first day of December in each year.

Students of this University, who do not reside in the city, on application to the Registrar, will be furnished with certificates, which, through the kindness of the Railway authorities, will entitle them to return tickets from Montreal at greatly reduced rates.

## PRIZES.

Prizes will be given at the close of the Session:—

To the student who passes the best Final examination.

To the student who passes the best Primary examination.

To the best dissector in the Senior and Junior class.

## TABLE OF FEES.

## LECTURES :

Principles and Practice of Medicine .....	one course.	\$12 00
“ “ Surgery .....	“	... 12 00
Midwifery and Diseases of Women and Children	“	... 12 00
Anatomy .....	“	... 12 00
Physiology .....	“	... 12 00
Chemistry.....	“	... 12 00
Materia Medica .....	“	... 12 00
Medical Jurisprudence .....	“	... 10 00
Pathology.....	“	... 6 00
Hygiene .....	“	... 6 00
Botany and Zoology.....	“	... 5 00
PRACTICAL CHEMISTRY (exclusive of apparatus)....	“	... 12 00
PRACTICAL ANATOMY (Dissections) .....	“	... 5 00
MATRICULATION.....		2 00
DEGREES (C.M., M.D.).....		20 00
REGISTRATION.....		1 00

## HOSPITAL FEES :

Attendance Ticket (6 months).....	\$ 8 00
-Clinical Lectures on Surgery.....	6 00
“ “ Medicine .....	6 00

Students are at liberty after having paid for two full courses on any subject to attend subsequent courses on the same subject free. ↘

## LECTURES.

SESSION 1873—1874.

## PRINCIPLES AND PRACTICE OF MEDICINE;

BY

AARON H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L.

It is proposed in these Lectures to give a complete history of the most important constitutional affections, as well as of the diseases which attack the principal organs of the human body.

The distribution of the Course will have some reference to the different systems of organs, the diseases of which will be separately and fully described. Thus diseases of the respiratory, digestive, nervous organs, &c., will constitute distinct sections of the entire Course; and again, the different forms of fever, including the acute febrile diseases of specific character, will form a separate group.

**DIGESTIVE SYSTEM:** Diseases of the Mouth, Tongue, Salivary Glands, Pharynx, Oesophagus, Stomach, Intestines, Liver and Gall-bladder, Pancreas, Spleen. Cholera.

Mesenteric Glands, and Peritoneum. Worms.

**RESPIRATORY SYSTEM:** Diseases of the Larynx, Trachea, and Lungs,

**CIRCULATORY SYSTEM:** Diseases of the Heart, Arteries, and Veins.

**URINARY SYSTEM:** Description and Illustration of Urinary Deposits. Diseases of the Kidneys and Bladder.

Diabetes. Supra-Renal Disease.

**CUTANEOUS SYSTEM:** Diseases of the Skin and appendages.

**FEVERS:** Exanthemata, &c.

**GENERAL DISEASES:** Anæmia and Chlorosis. Leucocythæmia.

Rheumatism. Gout. Scurvy. Dropsy.

**NERVOUS SYSTEM:** Diseases of the Brain, Spinal Cord, and Nerves. Chorea. Epilepsy. Delirium Tremens. Hysteria. Hypochondriasis. Insanity.

Every day, except Saturday, at 2 P.M.

*Books Recommended.*—Flint, Watson, Woods, Aitken.

## PRINCIPLES AND PRACTICE OF SURGERY;

BY

ROBERT T. GODFREY, M.A., M.D., C.M.

This course will be divided into GENERAL SURGERY and SPECIAL SURGERY.

GENERAL SURGERY will consist of a series of lectures embracing the principles of the art, and will be devoted to the following subjects:—Inflammation, Suppuration and Abscess, Erysipelas, &c., Ulceration, Mortification, Injury, Shock, Traumatic Delirium, Tetanus, Wounds, Hæmorrhage, Fractures, Dislocations, Morbid Growths and Tumors, Venereal Diseases.

The lectures on SPECIAL SURGERY will embrace affections of different regions.

Diseases of Joints—Fractures and Dislocations.

Diseases of Arteries and Veins—of Nerves and Absorbents—Hernia.

The various injuries to the Skull and Face—Compression and Concussion.

Diseases of the Eye and Orbit.

Morbid conditions of the Mouth, Nose, soft Palate, and Throat.

Diseases of the Urinary and Generative Organs—Lithotomy and Lithotrity.

The different operations will be performed on the dead subject in the class-room, before the students, when the various instruments and their uses will be explained in this portion of the course.

Practical surgery will receive a due share of attention, and the application of anatomical facts will be demonstrated on the living as well as on the dead subject.

Every day, except Saturday, at 3 P. M.

*Text Book*—Erichsen's Science and Art of Surgery.

*Books of Reference*—Holmes' System of Surgery, Miller, and Gross.

# PATHOLOGY AND MORBID ANATOMY;

BY

GEORGE WILKINS, M.D., M.R.C.S., Eng.

These lectures are designed to teach the general principles of Pathology, and their application to special morbid changes in the more important organs of the body.

In the lectures embracing the Morbid Anatomy of the various organs, **PATHOLOGICAL HISTOLOGY** will be specially dwelt upon, showing that the coarser alterations in size, consistency, colour, &c., are based upon changes in their structural elements.

Particular attention will be devoted to the Pathology of the following subjects:

**HYPERTROPHY—ATROPHY—REPAIR**: of wounds, fractures, &c.

The various forms of **DEGENERATIONS** and **INFILTRATIONS**: Fatty, Amyloid, Calcareous, and Pigmentary.

**INFLAMMATION**—of Mucous and Serous Membranes—of the Kidney, Liver, &c.

**BLOOD POISONING**: Pyæmia, Erysipelas, Carbuncle.

**TUBERCLE** and **TUBERCULOSIS**—**PHTHISIS**—Catarrhal Pneumonia.

Scrofula,—Syphilis,—Gout and Rheumatism,—Hysteria.

Thrombosis—Embolism—Cancer.

The morbid changes in the tissues will be demonstrated by the Microscope, and illustrated by recent specimens and preparations from the museum, as well as by coloured plates and diagrams specially prepared for these lectures.

Every Tuesday and Thursday, at 5 P. M.

*Text Book*—Green's Pathology and Morbid Anatomy.

*Books of Reference*—Pathological Histology by Rindfleisch, Surgical Pathology by Paget. Niemeyer's Text Book of Practical Medicine.

# MIDWIFERY AND THE DISEASES OF WOMEN AND CHILDREN;

BY

EDWARD H. TRENHOLME, M.A., M.D.C.M., B.C.L.

ANATOMY of Female Pelvis and Fœtal Head, and Organs of Generation.

SPECIAL PHYSIOLOGY OF THE FEMALE:—Menstruation; Generation; Pregnancy, its signs and management.

PARTURITION: I. NATURAL LABOUR; its general Phenomena; Mechanism of Labour; Management of Women during Natural Labour; the Puerperal State; Anæsthetics during Labour.

II. UNNATURAL LABOUR—From Causes retarding the Process of Labour.

a. From Abnormal condition of expulsive force—Feeble, Irregular Uterine Action, &c.

b. From Abnormal condition of the Uterus and Soft Parts, or of the Bony Pelvis, as in Rickets, Mollities Ossium, &c. Operations applicable to the above cases:—Application of the Forceps—Performance of Craniotomy—the Cæsarean Section—Induction of Premature Labour.

c. From Abnormal Condition of Child—Excessive Size of the Child: Hydrocephalus, &c.; Malposition of the Child—Plural Births—Monsters—Operation of Turning.

### III. COMPLEX LABOUR.

1. Labours especially hazardous to the Mother:—Rupture of Uterus or Laceration of Vagina—Inversion of Uterus—Retention of Placenta—Uterine Hæmorrhage, either Accidental or Unavoidable—Puerperal Convulsions.

2. Labours especially hazardous to the Child: Prolapsus of the Cord.

DISEASES OF THE PUERPERAL STATE:—Puerperal Fever—Phlegmasia Dolens—Puerperal Mania.

DISEASES OF PREGNANCY:—Retroversion of the Uterus—Premature Expulsion of the Fœtus—Molar and Extra-uterine Pregnancy.

DISEASES OF THE UNIMPREGNATED STATE:—Disorder of the Menstrual Function—Diseases of the Uterus; of the Ovaries; of the Vagina and External Organs.

DISEASES OF CHILDREN:—Amount and Causes of Infantile Mortality—Peculiarities of Infantile Organization—General rules for the Investigation and Treatment of Infantile Disease.

Diseases peculiar to Early Infancy and Childhood.

Every day, except Saturday, at 4 P.M.

*Books Recommended*—Midwifery: Meadows. Diseases of Women: Barnes. Diseases of Children: Smith, Meigs and Pepper.

**MEDICAL JURISPRUDENCE,**  
(Including Toxicology and Psychology,)

BY

WILLIAM GARDNER, A.M., M.D.

THE object of these Lectures is to teach the application of **Medical Science** to the elucidation of questions occurring in Courts of Law; and to afford rules for the conduct of the **Medical Practitioner** in **Medico-Legal Inquiries**.

The matters most fully treated of will be—

**MEDICAL EVIDENCE.**

**PERSONS FOUND DEAD.** Date of Death. Evidence of Age and Sex from Skeleton.

Death or Injury from **APNŒA**, from Drowning, Hanging, Strangulation and Suffocation, or Smothering.

Death or Injury from exposure to the effects of **IRRÉSPIRABLE GASES**.

Death from **HEAT, COLD, STARVATION** and **LIGHTNING**.

**WOUNDS** and **BURNS**.

Diagnosis of the different causes of **INSENSIBILITY**.

**INFANTICIDE.**

**CRIMINAL ABORTION.**

**RAPE.**

Under the heading of **Toxicology** will be considered—

The **CLASSIFICATION** of **POISONS**.

General **EVIDENCE** of **Poisoning**.

**Poisoning** by **ACCIDENT** or **MALEVOLENCE**.

The **SYMPTOMATOLOGY** of the **Poisons** most frequently taken, the mode of detection, and treatment in each case.

Under the heading **Psychology**, the various forms of **UN SOUNDNESS** of **MIND** will be considered.

Some attention will be devoted to the **Pathology** and **Treatment** of **Insanity**, as this subject is not taken up in any of the other course of lectures in this University. Especial attention will be devoted to the **Legal Relations** of this important disease.

Monday, Wednesday and Friday at 5 p.m.

*Text Books.*—Guy's Manual of Forensic Medicine; Taylor's Manual of Medical Jurisprudence; Orfila, Devergie, Casper, Maudsley on Insanity.

## HYGIENE, OR STATE MEDICINE,

BY

JEAN LUKIN LEPROHON, M.A., M.D., C.M.

The lectures on this subject, the importance and value of which is now universally admitted, are intended—

To teach the application of Sanitary Science to questions concerning Public Health.

To afford rules for the conduct of the Medical Practitioner in Sanitary Inquiries.

To inculcate the use of suitable Hygienic Measures in the prevention and arrest of Contagious Diseases, and

To confer such knowledge of the principles of State Medicine as it is desirable that every medical man should possess.

The following are some of the important subjects that will be treated:—

FOOD—Digestibility—Adulterations—Diseases connected with food.

WATER—The effects of impurities on public health.

VENTILATION—Quantity of air required, &c.

OFFENSIVE TRADES—Their management.

SEWERAGE—Influence on death-rate of cities.

MEDICAL STATISTICS.

PRISONS—REFORMATORIES.

PAUPERISM.—CRIME.—INSANITY.

The effect of CLIMATE on health.

Tuesdays and Thursdays at 9 a.m., in January, February and March.

*Books Recommended*—*Traité d'Hygiene*, par M. Lévy; *Practical Hygiene*, by Parkes.

## DESCRIPTIVE AND SURGICAL ANATOMY;

BY

RICHARD A. KENNEDY, M.A., M.D., C.M.

In the lectures of this course there will be exhibited the entire structure of the Human Body, arranged according to its various systems.

Reference will be made, as occasion offers, to Surgical Diseases, and the relative position of parts will be dwelt upon so as to embrace Regional Anatomy. The lectures will be illustrated by careful dissections, preparations, plates, &c., and will be delivered in the following order:

I.—OSSEOUS SYSTEM AND JOINTS.—This includes a description of the several bones composing the Skeleton, and of the Ligaments connecting them together so as to form Joints.

II.—MUSCULAR SYSTEM.—The attachment and function of Muscles, their action in regard to fractured bones, and their position as guides to Surgical operation, will be pointed out. In this part will also be given the Anatomy of the Perineum and of Inguinal and Femoral Hernia.

III.—VASCULAR SYSTEM—Arteries and Veins. The relations of the Arteries and their more frequent peculiarities. Regional Anatomy will be described in this part of the course.

IV.—NERVOUS SYSTEM.—Comprising the Brain, Spinal Cord, Cerebro-Spinal Nerves and Sympathetic.

V.—VISCERAL SYSTEM.—The relative position of the different Viscera of the Thoracic, Abdominal, and Pelvic cavities will be explained and illustrated.

Every day, except Saturday, at 9 a.m.

*Books recommended*—Gray, Wilson, &c.

## PRACTICAL ANATOMY.

*This Department is under the superintendence of the Professor of Anatomy.*

The Dissecting Room is open daily from 8 a.m. to 10 p.m., except on Saturday, when it is closed at 5 p.m.

Ample opportunities are afforded for dissecting, fresh subjects at fixed rates being provided by the Demonstrators, either one of whom will be in attendance daily from 4 to 6 and from 8 to 10 p.m., to direct and assist students in their dissections, and examine upon the work done in the room. The Dissecting Room is supplied with every requisite for the comfort and convenience of students, due regard being observed for sanitary measures. Every possible facility will be afforded the student in this most important department.

*Book recommended for use in the Dissecting Room*—Ellis' Demonstrations of Anatomy.

## PHYSIOLOGY;

BY

FRANCIS WAYLAND CAMPBELL, M.A., M.D., L.R.C.P., LOND.

These lectures will be devoted to the consideration of the structure, composition and properties of the several Fluids, Tissues, and Organs of the Body; the natural changes through which they pass; and the functions they discharge. These subjects will be taught in the following order:—

The Structural and Chemical Composition of the HUMAN BODY.

The Principal Elementary TISSUES: Epithelium, Areolar and Fibrous Tissues, Adipose Tissue, Cartilage, Bone.

Serous, Synovial, and Mucous MEMBRANES.

The BLOOD.

The CIRCULATION: the structure and functions of the Heart, Arteries, Capillaries, and Veins.

RESPIRATION: the Anatomy of the Lungs and Air-passages.

DIGESTION, with a description of the Mouth, Teeth, Salivary Glands, Stomach, Intestinal Canal, Pancreas, and Liver. FOOD.

ABSORPTION: Lymphatic Vessels and Glands; Lymph and Chyle—their relation to the Blood.

The Blood-elaborating GLANDS: the Spleen, Thyroid, Thymus, Renal Capsules, &c.

NUTRITION, and the consideration of ANIMAL HEAT, &c.

SECRETION: the Kidneys, the Mammary Gland, and other Glands not elsewhere described.

The SKIN and its Appendages.

MOTION: Cilia, Muscle.

The NERVOUS SYSTEM: the structure and functions of Nerves and Nerve-Centres; the Spinal Cord, Brain, &c.

The Physiology of the MIND. The SENSES. The VOICE and SPEECH. REPRODUCTION and DEVELOPMENT.

Every day except Saturday, at 10 a.m.

*Books recommended.*—Marshall, Kirke, Dalton, Carpenter.

## CHEMISTRY.

J. BAKER EDWARDS Ph.D., D.C.L., F.C.S.,  
Professor.

GEORGE B. SHAW, C.M., M.D.,  
Lecturer.

The subjects of this course will be divided in the following manner:  
PHYSICS—including Gravity, Light, Heat, Electricity, and Chemical Philosophy. Lectures on these subjects will be given every Tuesday and Thursday till the Christmas recess, by Professor Edwards.

INORGANIC CHEMISTRY—Dr. Shaw will lecture on the Chemistry of the Inorganic Elements every Monday, Wednesday, and Friday during the same period. From January to March Dr. Shaw will continue the course on the constitution and reactions of Metallic Salts, Metallurgy, and Manufacturing processes.

ORGANIC CHEMISTRY—Professor Edwards will deliver lectures on this subject during the latter part of the session.  
Every evening except Saturday at 7 P. M.

*Books necessary*—Balfour Stewart's Science Primer "Physics;" Chambers' "Inorganic Chemistry;" Attfield's Chemistry.  
*Books recommended*—Miller's Elements of Chemistry.

## PRACTICAL CHEMISTRY.

J. BAKER EDWARDS, Ph.D., D.C.L., F.C.S.,  
Professor,

Assisted by Dr. G. B. SHAW.

This course will be given during January, February, and March—two days a week—and will comprise a course of:

QUALITATIVE ANALYSIS, with special reference to detection of poisons and adulterations; the nature and reactions of HEALTHY and MORBID URINE.

The Microscopical and Chemical Examination of URINARY DEPOSITS and CALCULI.

The Spectroscopic Examination of BLOOD, METALLIC BASES, &c.

A few lectures will be given on the use of the Microscope.

Students will provide themselves with a set of apparatus which has been selected by the Professor, and may be obtained for the sum of five dollars; also a note book.

No experiments will be permitted in the Laboratory except those under the direction of the Professor and at the hours appointed.

Gentlemen who are not following other courses will be admitted to the Lectures and Laboratory on matriculation.

Wednesday and Saturday from 3 to 5 P.M.

*Books necessary*—Chambers' "Practical Chemistry."

*Books recommended*—Carpenter on the Microscope; Lankester's Half Hours with the Microscope; Beale on the Microscope.

## MATERIA MEDICA AND THERAPEUTICS;

BY

ALEXANDER H. KOLLMYER, M.A., M.D.

The course of lectures will comprise a complete description of the history, preparations, manufacture, characteristic appearance, action on plants, the lower animals, and on man, together with the uses of all substances that are employed in medicine.

These subjects will be illustrated by plates, diagrams on the black-board, specimens, dried preparations, and the most complete cabinet of medicinal substances in Canada.

Experiments to detect impurities and adulterations, as well as to show the chemical reactions of each article, and carefully prepared microscopical preparations will be exhibited to the class.

The art of prescribing and writing prescriptions will receive particular attention.

Poisons will also be fully described—their modes of detection, as well as their appropriate antidotes.

Each substance will be considered with respect to:—

1. Its Nature.—MATERIA MEDICA.
2. Its Preparation.—PHARMACY.
3. Its use and administration.—THERAPEUTICS.

These Medicaments will be arranged according to their origin from the Mineral, Vegetable, or Animal Kingdoms.

The Mineral Salts will generally be described under their respective basic elements and the Vegetable substances according to a systematic arrangement founded on their chemical composition.

The concluding lectures will be devoted to the consideration of the products of FERMENTATION and DISTILLATION such as Alcohols, Ethers, Chloroform, Chloral, Carbolics, &c.

Every day, except Saturday, at 11 A.M.

*Books Recommended.*—Royle & Headland's *Materia Medica*; Garrod's *Materia Medica*; Pereira's *Manual*; Nelligan's *Medicines*; and the *United States Dispensatory*.

The Museum containing substances described in the *Pharmacopœia*, and plates of officinal plants, will be open daily.

BOTANY AND ZOOLOGY;  
BY  
SILAS E. TABB, M.A., Ex., M.D.

—  
**BOTANY.**

Part I.—STRUCTURAL BOTANY.

Anatomy:—Cells, Vessels, Ducts, Cysts, Glands, Intercellular Spaces, &c.

Anatomy of Roots, Stems, Leaves, Flowers, and Fruits.

Morphology:—Plant: Axis of Vegetation and Appendages.—Organs.

I. *Organs of Vegetation* :

- a. Root (character, position, form, &c.)
- b. Stem (character, position, form, &c.)
- c. Leaves (simple and compound, venation, modifications of venation, phyllotaxis, &c.)

II. *Organs of Reproduction* :

- a. Flower (regularity and symmetry of the floral organs. The various modifications of the flower.)
- b. Inflorescence (indefinite, definite, and their varieties.)
- c. Fruits (simple, aggregate, accessory or anthocarpous, and multiple.)

Part II.—PHYSIOLOGICAL BOTANY.

1. *Cell Formation and Development of Tissues.*
2. *Functions of the Organs of Vegetation.*—Absorption, Transpiration, Respiration, Assimilation, and Secretion.
3. *Functions of the Organs of Reproduction.*—Formation of Pollen; Fertilization and Growth of Ovules; Maturation and Germination of the Seed; Development of Spores, &c.

Part III.—SYSTEMATIC AND DESCRIPTIVE BOTANY.

Under this division of the subject, the principles of classification will be discussed. Special notice will be taken of those orders containing medicinal plants indigenous to Canada and the United States, and, towards the end of the course, a few lectures will be devoted to the mode of preserving and determining plants.

**ZOOLOGY AND COMPARATIVE PHYSIOLOGY.**

- 1.—*General Zoology.*—Under this heading will be considered the Histology, Comparative Anatomy, and Physiology of Animals.
2. *Descriptive Zoology.*—Including the principles of classification and the grounds on which the divisions of the Animal Kingdom are made.

Every Monday, Wednesday, and Friday, at 3 P.M.

*Text Books.*—Dr. Gray's Structural and Systematic Botany, and Dr Silver's work on Botany. Dawson's Manual of Zoology.

## DAYS AND HOURS OF LECTURES.

	Mon.	Tues.	Wednes.	Thurs.	Friday.	Sat'dy.
Anatomy .....	9	9	9	9	9	.....
Hygiene .....	.....	*9	.....	*9	.....	.....
Physiology.....	10	10	10	10	10	.....
Materia Medica.....	11	11	11	11	11	.....
Hospital Practice.....	12	12	12	12	12	12
Practice of Medicine....	2	2	2	2	2	.....
Surgery.....	3	3	3	3	3	.....
Practical Chemistry.....	.....	.....	*3	.....	.....	*3
Botany and Zoology.....	3	.....	3	.....	3	.....
Midwifery.....	4	4	4	4	4	.....
Medical Jurisprudence...	5	.....	5	.....	5	.....
Pathology.....	.....	5	.....	5	.....	.....
Chemistry .....	7	7	7	7	7	.....

\*These lectures are delivered during the months of January, February, and March.

STATUTES  
OF THE  
UNIVERSITY OF BISHOP'S COLLEGE,  
RELATIVE TO THE GRADUATION IN MEDICINE AND SURGERY.

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- I. The medical degrees of this University are—Master of Surgery (C.M.) and Doctor of Medicine (M.D.). The degree of Master of Surgery is not conferred on any person who does not also at the same time obtain the degree of Doctor of Medicine.
- II. The preliminary examinations shall be upon the following branches of extra medical education, viz., English, Latin, Arithmetic, Algebra, Geometry and one of the following optional subjects, Natural Philosophy, Greek, French or German, which examination each student will have to undergo prior to the commencement of his medical studies.
- III. A degree in Arts, not being an honorary one, of any recognized university or its equivalent, exempts from the preliminary examination.
- IV. No one can be admitted for examination for the degrees of Master of Surgery and Doctor of Medicine who has not been engaged in medical and surgical study for four years; but a certificate of having studied one full year with a duly licensed practitioner, previous to taking his first session, will reduce the period of study at the University to three sessions.
- V. At the commencement of every session each student must enrol his name and residence in the Register of the Medical Faculty, and obtain from the Registrar a ticket of Matriculation.
- VI. The Matriculation Books of the Registrar shall be closed on the first day of December in each year.
- VII. No student can obtain his ticket from any of the professors without having previously obtained his Matriculation ticket.

VIII. Every candidate for graduation in Medicine and Surgery must give sufficient evidence, by certificates—

1. That he has attended lectures on each of the following departments of medical science,—viz., of

Anatomy,  
 Physiology,  
 Chemistry,  
 Materia Medica and Therapeutics,  
 Theory and Practice of Medicine,  
 Principles and Practice of Surgery,  
 Midwifery and the Diseases of Women and Children,  
 Hygiene or State Medicine,  
 Medical Jurisprudence,  
 Pathology,  
 Botany and Zoology,  
 Practical Chemistry and Microscopy,

Two courses of six months each.

One course of each.

2. That he has attended clinical lectures in Medicine and Surgery, of each two courses of three months.
3. That he has performed dissections during not less than two winter sessions.
4. That he has attended, for at least twelve months the Medical and Surgical practice of a General Hospital approved of by this University.
5. That he has been engaged for at least three months in compounding and dispensing drugs at a hospital, a dispensary, or with a duly licensed practitioner.
6. That he has attended at least six cases of midwifery, either in a lying-in-hospital or in private practice, under the supervision of a regular medical practitioner.

IX. Out of the four years of medical and surgical study required by Clause IV. one full course on each branch mentioned in Section 1, Clause VIII, must be attended in this University.

X. Courses of less length than the above (Clause VIII) will only be received for the time over which they have extended.

XI. Every candidate for the Degree must, on or before the first day of March, deliver to the Dean of the Medical Faculty—

1. A declaration, in his own handwriting, that he has completed his twenty-first year of age (or that he will have done so before the day of graduation).
2. A statement of his studies, accompanied with proper certificates.
3. A Thesis or Inaugural Dissertation, written by himself, either in the English or French language, on some subject connected with medical or surgical science.

XII. Every candidate shall be examined both in writing and *viva voce*. The examinations are divided into Primary and Final.

- a. The Primary, comprehending Anatomy, Chemistry, Practical Chemistry, Materia Medica, Physiology, and Botany or Zoology.
- b. The Final—Practice of Medicine, Surgery, Midwifery and Diseases of Women and Children, Medical Jurisprudence, Pathology, and Hygiene.

XIII. Candidates may, if they choose, be admitted to examination on the Primary Branches at the end of the third year of their study. The Final Examination shall not take place until the candidate has completed his fourth year of study.

## REGULATIONS.

1st. Each Professor shall deliver five lectures a week, except those of Clinical Medicine, Clinical Surgery, Pathology, Hygiene, and Practical Chemistry of which only two lectures a week will be required, Botany and Zoology, of which three lectures a week will be required; Medical Jurisprudence, if extending through six months, three lectures a week.

2nd. The courses of all the classes except those of Clinical Medicine, Clinical Surgery, Medical Jurisprudence, Hygiene, and Practical Chemistry, shall be of six months duration; Clinical Medicine, Clinical Surgery, Hygiene, and Practical Chemistry, shall be of three months duration each; Medical Jurisprudence, either of three months—in which case five lectures a week shall be delivered—or of six months duration; in which case only three lectures a week will be required.

3rd. Each lecture shall be of one hour's duration.

4th. Written or oral examinations shall be held by each Professor once a week upon the subjects treated of in his preceding lectures, and every such examination shall be considered a lecture.

5th. Each Professor shall, at intervals, call a roll of the names of the students attending his class.

6th. Tickets, which have not a certificate of regular attendance shall be rejected when presented as testimonials, previous to examination, unless the omission be satisfactorily accounted for.

7th. The Session of each year will commence on the first Wednesday in October, and, with the exception of a vacation at Christmas, will continue to the end of March.

## FEES.

1. The fee for the class of Medical Jurisprudence shall be \$10; Pathology, Clinical Medicine, Clinical Surgery, and Hygiene, \$6 each; Botany and Zoology, \$5; Demonstrator of Anatomy, \$5; and that of all the other classes, \$12. The fee for Matriculation each year will be \$2. The fees must all be paid in advance.

2. Any student having paid the fees, and attended two courses of lectures in any class, shall be entitled to a perpetual ticket for the same.

3. The fee for the degree of Master of Surgery and Doctor of Medicine shall be \$20, to be paid by successful candidates, together with the registration fee of \$1.

## OATH.

Ego Doctoratus in Arte Medica titulo jam donandus, sancte coram Deo cordium scrutatore, spondeo, me in omni grati animi officio erga hanc Universitatem ad extremum vitæ halitum perseveraturum.

Tum porro Artem Medicam, caute, caste, probeque exercitaturum, et quoad potero, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum. Quæ, denique, inter medendum visa vel audita sileri conveniat, non sine gravi causa vulgaturum.

Ita præsens spondenti adsit Numen.

## SESSION 1872-73.

The total number of students that attended and matriculated during the past session is thirty. Their names and addresses are as follows:—

Albec Charles, Chambly .....Q.	Mousseau Francis X., Rochester.....O.
Birks John, Montreal.....Q.	Macdonald William, Montreal.....Q.
Coquillet William E., Montreal.....Q.	Mattinson James, Montreal.....Q.
Costigan Robert, Montreal.....Q.	Munro Alexander, Montreal.....Q.
Dubuc Godfroi, Chambly .....Q.	Moll Oscar Louis, Berthier .....Q.
Duclos Efram A., Montreal.....Q.	Patton Joseph C., Montreal.....Q.
Eneas Jeremiah, Montreal.....Q.	Patterson W. J. B., Montreal.....Q.
Falardeau Arsene, Berthier.....Q.	Palmer Joseph L., Montreal.....Q.
Fontaine Isaac, St. Barnabie .....Q.	Peltier Gaspard U., St. Guillaume....Q.
Godfrey Robert Frederick, Montreal...Q.	Roy Joseph, Pierreville.....Q.
Hart David A., St. Zephirin.....Q.	Sheridan John, Montreal.....Q.
Hunter William M., Cornwall.....O.	Sicotte Rodolph, St. Hyacinthe.....Q.
Kerry Anthony, Montreal.....Q.	Slack George F., Montreal.....Q.
Lawrence Frederick, Richmond.....Q.	Shee Patrick Arthur, Quebec.....Q.
Lassiseraye Arthur T., St. Francis du	Shaw George Begg, Ottawa.....O.
Lac.....Q.	

## PRIMARY EXAMINATIONS.

The Examination in Botany was held on Friday the 21st day of March, which the following gentlemen passed:—

W. E. Coquillet,

William M. Hunter.

Joseph L. Palmer,

The Examinations in Anatomy, Physiology, Materia Medica and Chemistry were held on Monday and Tuesday, the 24th and 25th of March, and were passed by the following gentlemen:—

Robert Costigan,

Robert F. Godfrey,

Geo. F. Slack, M.R.C.S., Eng.

William M. Hunter,

George B. Shaw.

## FINAL EXAMINATION.

C.M., M.D.,

This Examination was held on Wednesday and Thursday, the 26th and 27th of March, and was successfully passed by the following gentlemen :—

Dubuc Godfroi.....	Chambly, Q.....	Thesis .....	Intermittent Fever.
Fontaine Isaac.....	St. Barnabie, Q.....	" .....	Medical Diagnosis.
Godfrey Robert F.....	Montreal, Q.....	" .....	Typhoid Fever.
Lawrence Frederick C.....	Richmond, Q.....	" .....	Cancer.
Macdonald William.....	Montreal, Q.....	" .....	Cystitis.
Peltier G. Upton.....	St. Guillaume, Q.....	" .....	Fractures.
Shaw George B.....	Ottawa, O.....	" .....	Delirium Tremens.
Slack George F.....	Montreal, Q.....	" .....	Retention of Urine.

The Convocation of the University for conferring degrees in Medicine was held on Thursday, the third day of April, when the degrees of C.M., M.D., were conferred on the gentlemen above named, who successfully passed their final examination. The *ad eundem* degree of M.D., was conferred by the University on Dr. Edmond Robillard of Montreal.

The Valedictory Address to the students on behalf of the Faculty was delivered by Professor Godfrey, and that on behalf of the students by Dr. G. B. Shaw.

## PRIZES.

The following gentlemen obtained Prizes :—

George B. Shaw .....	Primary Prize.
" .....	Final "
Robert F. Godfrey.....	Senior Dissector's Prize.
W. E. Coquillette.....	Junior " First Prize.
Joseph L. Palmer.....	" " Second "

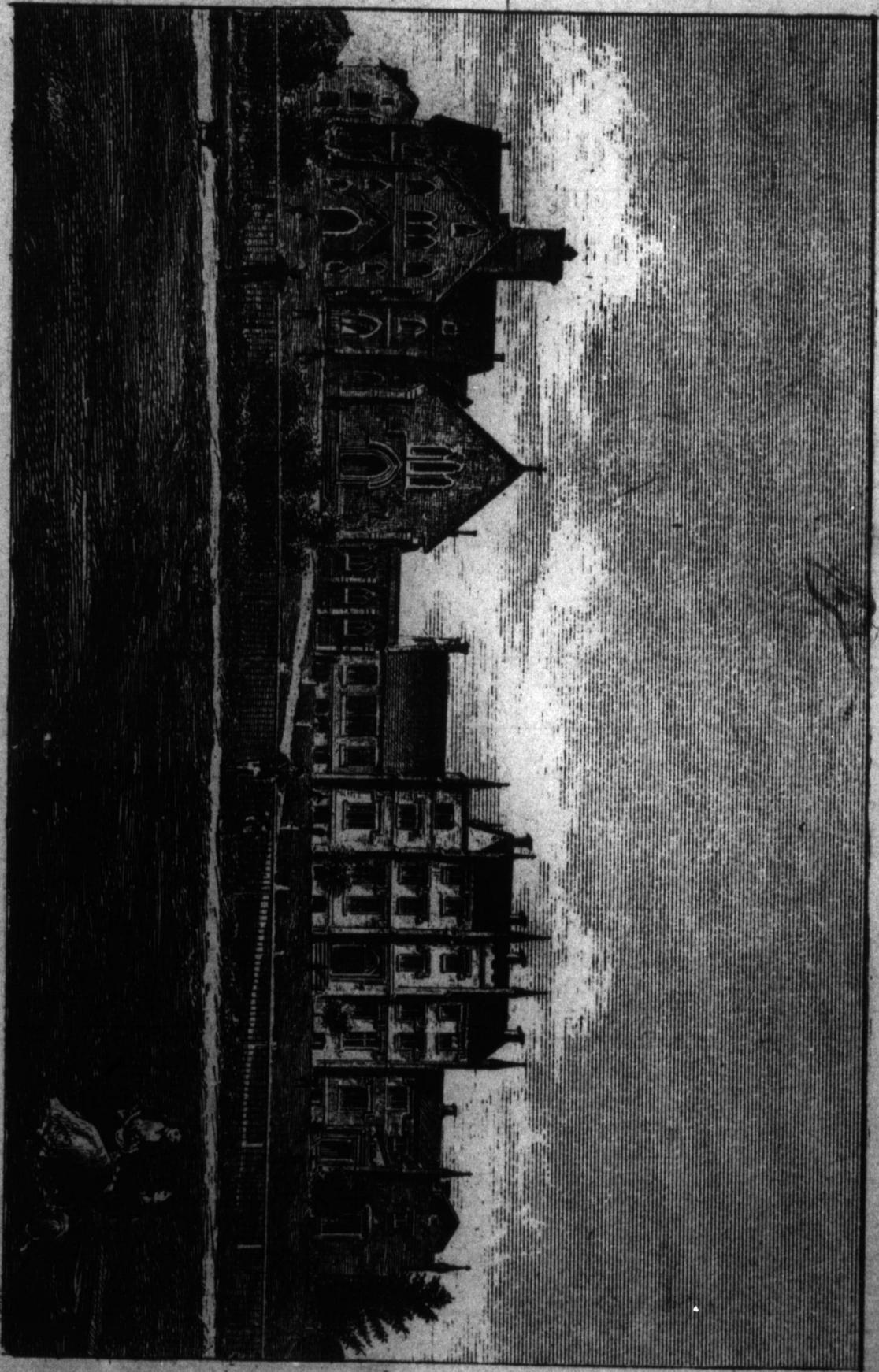
STUDENTS WHO HAVE OBTAINED HONORS IN  
MEDICINE IN THIS UNIVERSITY.

- |   |  |
|---|--|
| <p>AHERN (JOHN.)<br/>1872. Practical Anatomy, Hon'ble Mention.</p> <p>COSTIGAN (ROBERT.)<br/>1872. Practical Anatomy, Junior Prize.<br/>Physiology, Junior Prize.<br/>1873. Physiology, Prize.</p> <p>COQUILLETTE (W. E.)<br/>1873. Practical Anatomy, Junior Prize.</p> <p>DUBUC (GODFROI.)<br/>1872. Practical Anatomy, Senior Prize.<br/>Physiology, Senior Prize.<br/>Primary Examination, Prize.<br/>1873. Final Examination, Hon'ble Mention.</p> <p>GODFREY (ROBERT F.)<br/>1873. Practical Anatomy, Senior Prize.<br/>Final Examination, Hon'ble Mention.</p> | <p>LATOUB (ANDRÉ.)<br/>1872. Final Examination, Prize.</p> <p>LAWRENCE (FREDERICK C.)<br/>1873. Final Examination, Honorable Men-<br/>tion.</p> <p>PALMER (JOSEPH L.)<br/>1873. Practical Anatomy, Second Junior<br/>Prize.</p> <p>SPENCER (RICHMOND.)<br/>1872. Practical Anatomy, Honorable Men-<br/>tion.</p> <p>SHAW (GEORGE BEGG.)<br/>1873. Primary Examination, Prize.<br/>Final Examination, Prize.<br/>Physiology, Prize.</p> |
|---|--|

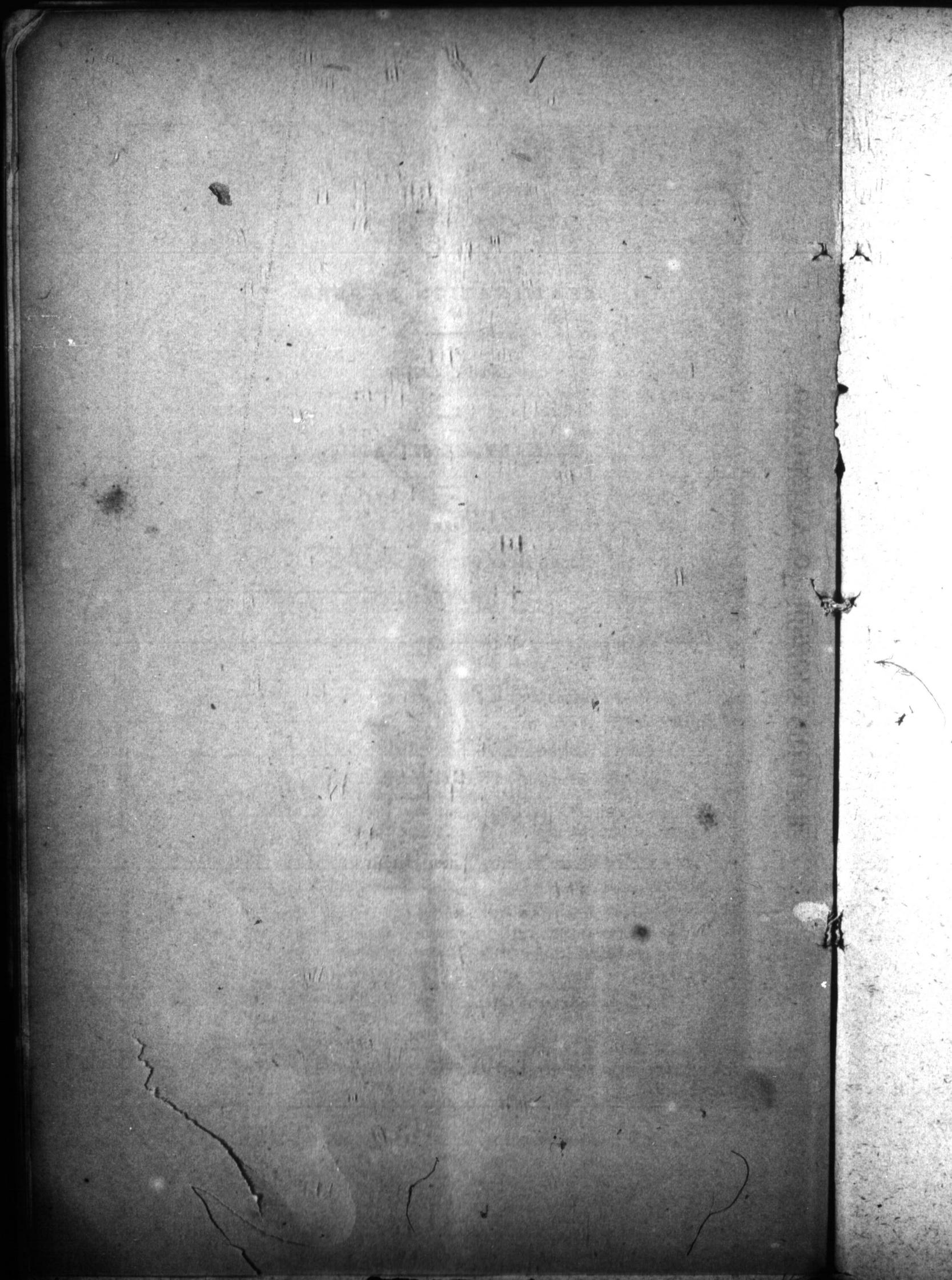
NAMES AND ADDRESSES OF GRADUATES IN MEDICINE  
OF THIS UNIVERSITY.

- |           |   |                 |    |
|-----------|---|-----------------|----|
| 1872..... | Cunningham, Henry S.....                  | St. Catherines, | O. |
| 1872..... | Deselets, Philip A.....                   | Three Rivers,   | O. |
| 1873..... | Dubuc Godfroi.....                        | Chambly,        | O. |
| 1873..... | Fontaine, Isaac.....                      | St. Barnabie,   | O. |
| 1873..... | Godfrey, Robert Frederick.....            | Montreal,       | O. |
| 1872..... | Lanouette, Joseph E. A.....               | Gentilly,       | O. |
| 1873..... | Lawrence, Frederick Chs.....              | Richmond,       | O. |
| 1872..... | Latour, André A.....                      | Lachine,        | O. |
| 1873..... | Macdonald, William.....                   | Montreal,       | O. |
| 1872..... | Nelson, Wolfred D. E.....                 | Montreal,       | O. |
| 1873..... | Peltier, Gaspard U.....                   | St. Guillaume,  | O. |
| 1873..... | Robillard, Edmond, <i>ad eundem</i> ..... | Montreal,       | O. |
| 1873..... | Slack, George F., M.R.C.S., Eng.....      | Montreal,       | O. |
| 1873..... | Shaw, George Begg.....                    | Ottawa,         | O. |
| 1872..... | Webber, Richard N.....                    | Richmond,       | O. |

UNIVERSITY OF BISHOP'S COLLEGE.



UNIVERSITY OF BISHOP'S COLLEGE.



EXAMINATION PAPERS.

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SESSION 1872-73.

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PRIMARY EXAMINATION.

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BOTANY.

FRIDAY, MARCH 21ST, 1873 :—2 TO 5 P.M.

*Examiner*,.....PROFESSOR SILAS E. TABB, M.A., M.D., C.M.

1. Describe an ordinary Parenchymatous cell and the mode of thickening of its walls.
2. Describe Prosenchymatous tissue, and state its mode of formation. Give examples.
3. Describe Laticiferous Tissue.
4. Explain the structure and mode of growth of Bark.
5. Explain the principal kinds of alternate Phyllotaxis. What is meant by the Decussate arrangement of verticillate leaves?
6. Explain the terms Reniform, Linear, Hastate, Toothed, and Filiformly dissected, as applied to leaves.
7. Define what is meant by Indefinite and Definite Inflorescence, and describe the forms indicated by the names: Raceme, Umbel, and Spadix, stating the difference between the Raceme and Panicle.
8. Describe the Stamen, with the terms applied to its parts; and give the minute anatomy of a Pollen-grain.
9. Name the four principal forms of Ovules, and describe two of them.
10. Describe the Berry, Legume, Silique and Drupe.
11. Define the terms Stomates, Stolon, Rhizoma, and Bulb.
12. State the characters of the orders, Ranunculaceæ and Leguminosæ.

## MATERIA MEDICA AND THERAPEUTICS.

MONDAY, 24TH MARCH, 1873 :—9 A.M. TO 11 P.M.

*Examiner*,.....PROFESSOR A. H. KOLLMYER, M.A., M.D.

1. Give the differences between *Alcohol*, *Spts Vini Rect.*, and *Spts Tenuior* and their respective specific gravities. Mention also when alcoholic stimuli do good, and what diseased conditions of the body are produced by an habitual indulgence in spirituous liquors?
2. Into how many stages are the effects of the inhalation of *Chloroform* divided, and how are these termed respectively. How would you know when a patient is fully under its influence and fit for operating on, and what is the proper treatment in poisoning by excessive inhalation of this agent, and what treatment should you adopt in poisoning by imbibition of *Chloroform*?
3. What are the chief actions of *Chloral Hydrat*, and to what diseases is it adapted; what is the ordinary dose, and in what form should it be administered?
4. How would you ascertain whether a sample of *Water* was fit for either medicinal or potable purposes?
5. What are the active principles of *Henbane*, *Deadly Nightshade* and *Thornapple*, and what are the effects on these of the caustic fixed alkalies their Carbonates and Bicarbonates, according to Garrod?
6. What are the poisonous principles obtained from *Tobacco*, and to what affections may excessive smoking, chewing, and snuffing give rise?

## CHEMISTRY AND EXPERIMENTAL PHILOSOPHY.

MONDAY, 24TH MARCH, 1873 :—11 A.M. TO 1 P.M.

*Examiner*,.....PROFESSOR J. B. EDWARDS, Ph.D., D.C.L.

1. State the foundation of the Metrical System of Weights and Measures and show the relations of the Metre, the Are, the Litre and the Gramme, respectively, with their multiple parts.
2. Describe the relation of Monads, Dyads, Triads, Tetrads, Pentads and Hexads respectively, and explain their relation to Metallic and Non-Metallic Elements, with examples.
3. Describe Electrolysis.
4. Describe the "Amylaceous" Group of Organic Compounds.
5. Describe Cyanogen and its Congeners; Ferro-Cyanogen; Ferri-Cyanogen; and Sulpho-Cyanogen.
6. Give the Chemical History of the production of *Chloral* and *Chloroform* from *Alcohol*.

## ANATOMY.

MONDAY, 24TH MARCH, 1873 :—3 TO 5 P.M.

Examiner.....PROFESSOR RICHARD A. KENNEDY, A.M., M.D., C.M.

1. Describe the Scapula; with what bones does it articulate, and give the names and extent of attachment of the muscles belonging to it.
2. Describe the Diaphragm, the number and position of its openings, with the parts passing through each, and name the nerves which are distributed to it.
3. What are the boundaries of the Anterior Triangle of the neck, and of its subdivisions; name the parts found in its central subdivision.
4. Give the relations of the Femoral Artery, its branches and their distribution.
5. Describe the Membranes of the brain and the processes formed by each.
6. Describe the formation of the Brachial plexus; its relations, and the manner in which its branches are given off.

## PHYSIOLOGY.

MONDAY, 24TH MARCH, 1873 :—8 TO 10 P.M.

Examiner,...PROFESSOR FRANCIS W. CAMPBELL, M.A., M.D., L.R.C.P., LONDON

1. Describe Hæmatine. Give its positive and negative test.
2. Describe the Physical characters of blood. Give its chemical composition—theory of coagulation—specific gravity, and mention the proportion of red and white corpuscles.
3. Describe the situation of the heart—give, generally, its anatomy—and the course of the adult circulation.
4. Mention the classes into which animals are divided—give an example of each—describe their teeth, and the characters of their stomach.
5. How is digestion divided? Describe briefly each division.
6. What proportion of the weight of the body does water form? How is it taken into the system? Mention the various channels through which it is discharged from the body.

## C.M., M.D., FINAL EXAMINATION.

## PRACTICE OF MEDICINE.

THURSDAY, 27TH MARCH, 1873 :—9 A.M. TO 11 A.M.

*Examiner*,.....PROFESSOR A. H. DAVID, M.D., L.R.C.S.E., D.C.L.

1. Describe the varieties of Small-Pox and the treatment of each, and mention what disease it may be mistaken for in its early stage.
2. What are the pathological characters of Hooping Cough?
3. Describe the difference between Capillary Bronchitis and Pneumonia.
4. In what affections of the Heart do we find Palpitation?
5. What is the difference in the Symptoms of the forms of fever termed Continued, and Inflammatory?
6. Describe the Symptoms and course of Bright's disease of the Kidney.

## SURGERY.

THURSDAY, 27TH MARCH, 1873 :—2 P.M. TO 4 P.M.

*Examiner*,.....PROFESSOR ROBERT T. GODFREY, A.M., M.D.

1. Describe the operation for excision of the head of the femur, and under what circumstances ought it to be performed.
2. Describe the boundaries of Scarpa's triangle; the relative position of the Femoral artery to the veins and nerves; and the operation of tying the artery in this space.
3. In what order of skin disease would you place Chloasma? Describe the disease, its character, general appearance and exciting cause.
4. Describe malignant Pustule. Give its synonyms, exciting cause, and treatment.
5. Name the different congenital malformations of the foot, and the structures that require to be divided in Talipes Varus.
6. Describe keloid tumours, their character, and under what circumstances they are likely to appear.

## PATHOLOGY.

THURSDAY, 27TH MARCH:—11 TO 12 A.M.

*Examiner*,.....PROFESSOR G. WILKINS, M.D., M.R.C.S., Eng.

1. What do you understand by the terms "Thrombosis" and "Embolism"? Give causes and results of each.
2. Define catarrhal, croupous, and diphtheritic inflammation of mucous membranes.
3. Pyæmia.—What is it? Mention in order of frequency the organs secondarily affected.

## MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.

THURSDAY, 27TH MARCH 1873, 4 P.M. TO 6 P.M.

*Examiner*,.....PROFESSOR E. H. TRENHOLME, M.A., M.D.; B.C.L.

1. In what cases would you be justified in producing premature artificial delivery? Enumerate the various modes of operating and state which is the safest and most reliable.
2. Describe the mode of performing version by external manipulation, and in what cases it is applicable. Also under what circumstances you would resort to pelvic version in preference to the use of the forceps.
3. Enumerate the different varieties of inflammation of the breast, their differential diagnosis and the treatment appropriate to each form.
4. Describe the different varieties of Leucorrhœa, and state the treatment suitable to each.
5. Enumerate the characteristic differences between false and true croup, and the treatment suitable to each disease in its different stages.
6. What varieties are there of Atelectasis Pulmonum? With what acute diseases is it apt to occur as a complication, and what are the anatomical peculiarities of the circulating system with which it is not unfrequently associated?

## MEDICAL JURISPRUDENCE.

THURSDAY, 27TH MARCH :—8 TO 9.15 P.M.

*Examiner*, ..... PROFESSOR WILLIAM GARDNER, M.A., M.D.

1. What are the various consequences which may result from a blow on the head?
2. How would you distinguish between a post-mortem wound and one inflicted during life?
3. Describe the post-mortem appearances in death from drowning (apnoea), and mention the various other ways in which a person whose body is found in the water may have come to his death.
4. Mention the different forms of unsoundness of mind that may result from the abuse of alcoholic beverages and give the legal relations of each.

## HYGIENE.

THURSDAY, 27TH MARCH :—12 TO 1 P.M.

*Examiner*, ..... PROFESSOR JEAN L. LEPROHON, M.A., M.D.

1. Describe the evil results of defective sewage on health.
2. Point out the chief sources of impurity of the air in the wards of hospitals, and mention also the best means of ventilation.
3. What are the effects produced on the human system by the consumption of diseased animal food? Mention the modes of remedying this evil.