## Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for scanning. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of scanning are checked below.

## Coloured covers /

Couverture de couleur
Covers damaged/
Couverture endommagée
Covers restored and/or laminated /
Couverture restauree et/ou pelliculee
Cover title missing /
Le titre de couverture manque
Coloured maps /
Cartes géographiques en couleur
Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)
Coloured plates and/or illustrations /
Planches et/ou illustrations en couleur
Bound with other material /
Relié avec d'autres documents
Only edition available /
Seule édition disponible
Tight binding may cause shadows or distortion along interior margin / La reliure serree peut causer de l'ombre ou de la distorsion le long de la marge intérieure.

L'Institut a numérisé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de numérisation sont indiqués ci-dessous.

Coloured pages / Pages de couleur

Pages damaged / Pages endommagées
Pages restored and/or laminated /
Pages restaurées et/ou pelliculées
Pages discoloured, stained or foxed/
Pages décolorees, tachetées ou piquees
Pages detached / Pages détachées
Showthrough / Transparence
Quality of print varies /
Qualité inégale de l'impression

Includes supplementary materials / Comprend du matériel supplémentaire

Blank leaves added during restorations may appear within the text. Whenever possible, these have been omitted from scanning / Il se peut que certaines pages blanches ajoutees lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas eté numérisées.

## COMTENTS.

## part i. -oniginal communications.

I.-MEDICAL DEPARTBENT.

Art. LIII.-Contributions to Clinical Medicine. By R. L. MacDonnell, Esq., M.D., Montreal.... 281 Art. LIV.-Casrs of the Endeme Fever of Canada, with Unusual Complications.- By Joun Jarnon, Esq., Surgeon, Dunnville :
28.4

Art. LV:-Remarks on "Luxations of the Clavicle." By Jonn G. Betiune, Eeq., M.D., Berthier....
Art. LVI.-Observations on Malignant Pustule or Charbon..' By A. Von Iffland, Esq., M.D., Beauport, Quebec.

## h.-physical departaent.

Art. LVII.-Critical Examination of Genesis iii. 16, having reference to the employment of Anæs. thetics in cases of Labour. By the Rev.' Anrahim De Sola, Lecturer on Hebrew Language and Litcrature, University of M'Gill College... part il--REVIEW departinent.
Art.' LVIII.-Report of the proceedings of the Sanitary Committee of the Board of Health, in relation to the Cholera as it prevailed in NowYork in 1849.
Mur. LIX.-Northern Lancet and Gazette of Legal
Medicine, etc........................................ 294
PART III.-PERISCOPE.
1.-practice of medicine and pathology.

Spontaneous Hydrophobia
294

Case of Malignant Tumour of eight or ten years
standing, cured after two years by a strit standing, cured after two years, by a strict Diet of Bread and Milk, with remarks.

Therapuatic Action of Aconitum Napellus. ..... 296
iv.-miedical jurisprudence.

Notes on a case of Fatal Poisoning by Metallic
Report of a case of Alleged Rape und Murdcr, with Medico-Legal Remarks on the cause of Death.... ..... '299
Mcdical Jurisprudence, in the Great Descrt. ..... 301
On Minute Anatomical Injections. ..... 302
Mechanical Leech ..... 302
PART IV.--EDITORIAL DEPARTMENT.
302
The British American Journal
302
Coroner's Inquests in Canada West. ..... 303
The Medico-Chirurgical Society. ..... 304
Cool Impudence. ..... 306
Montreal Dispensary. ..... 306
Correspondence. ..... 306
Obituary ..... 307
Monthly Meteorological Register at Montreal. ..... 307
Toronto ..... 308

Communicatinns on Scientific sebjects and Books, Sose, for review, to be addressed to the Editor: on all other matters connected with the Joumal, to the Pubhsher: in cither case, Post-paid-No communications for insertion in the succeeding number will be received after the fifleenth of the month.From this rule there will be, in future, no departure.

## MONTREAL:

printed and published by J. C. becket, 21112 St. paul Street.
Agents for the United States, Messrs. R. \& G.S. Wood, 261 Pearl Street, New York.

## THE ANATOIV PHYSIOLOEY, AND PATHOLOEY OE THS EYE,

## BY HENRY HOWARD, M. R.C.S.L.,

## Surgeon to the Montreal Fye and Ear Hastitution.

TIHE SUBSCRIPTION LiST to the above work is still open; and Members of the Profession desirous of subscribing to the same, are requested to furnish their'names without delay. The work has been put to press and will be delivered to Subscribers aboot the first of May.
Montreal, January 30, 1850.

## GENUINE COD LIVER OIL.

## OLEUM JECORIS ASELLI.

THEE SUBSCRIBERS have just received a supply of their Genuine Cod Liver Oil, which the Profession can depend upon for purity. It will be found to stand any test. Its efficacy in Consumption and Scrofula, both in England and on the Continent, have been clearly proved.
S. J. L. \& Co., have both the White Clarified and thé Red Oil. The former is 7s 6d, the latter 5s, per Bottle. Orders from the country carefully attended to.
S. J. LYMAN \& Co., Chemists, Place D'Armes, Montreul. Montreal, Dec. 1, 1849.

TIHE Subscribers have their usual assortment of gen4 uine Drugs and Chemicals, which they offer low for cash, or approved credit.

WM. LYMAN \& CO. 194 \& 196, St. Paul Street, Montreal.

MEDICO-CHIRURGICAL SOCIETY.
THHE next Monthly Meeting of this Society will be held at the Rooms of the Mechanics' Institute, on Saturday Evening March 2, at 8 oclock p.m.
George D. Gibs, M.D.,
Montreal, March 1, 1850.

## COLLEGE OF PHYSICIANS AND SURGEONS

 OF: LOWER CANADA.THE BY-LAWS of the COLLEGE having received 1 the sanction of the Executive, its BOOKS are NOW OPEN for the REGISTRATION of MEMBERS.

It is required of such as desire to register, that they forward to the undersigned (post-paid) their name, legibly written in full, their age, birthplace, date of Provincial License, and the College Fee, viz., Ten Dollars in current money of this city.

All such as signed the Petition to the Legislature for the Act of Incorporation, are entited to Register forthwith, provided that at the time of their signing they were in possession of a Provincial Liceuse to practice Medicine, \&c., \&c.'; and in virtue of the By-Law which refers to Membership, the Books of the College shall be kept open during a period of Six Months from the time of the passing of the said By-Laws, viz., the Tenth day of October, 1848, for the Registration of every Member of the Profession who desires so to do, provided such Member has been' in possession of a Provincial License to practice Medicine, \&c., \&c., Four Years at the time of the passing of the Act of Incorporation, viz., 27th July, 1847.

FRANCIS C. T. ARNOLDI, M. D.
Registrar \& Treasurer, Coll. Pin. \& Surg., L. C.

THE

## BRITISH AMERICAN JOURNAL

OF

## medical and physical suience.

## VOL. V.]

MONTREAL, MARCH, 1850.
[No. 11

## Art. LIII.-CONTRIBUTIONS TO CLINICAL MEDICINE. <br> by robert l. Macdonnell, M. D.

Licentiate of the King and Queen's College of Physicians, and o the Royal College of Surgeons, Ireland. Lecturer on Clinical Medicine, University of M•Gill College, Physician to the Montreal General Hospital, etc.
No. 2. Extensive Tubercular Disease of both Lungs, with Transposition of all the Thoracic and Abdomi. nal Viscera.
[The following is an abstract of my clinical lecture on the above case, from notes taken by my clinical clerks, Messrs. Brookes and M'Callum, and as many points discussed, are of an elementary nature, the reader will bear in mind, the character of the audience to whom they were addressed.]

James Munro, aged 24, was admitted into my wards in the Montreal General Hospital, Feb. 10, 1850. It appeared from his own account, that he had been laboring under the symptoms of phthisis for nearly two years previous to my seeing him. On admission, he presented the following symptoms:-Frequent cough, with purulent expectoration ; hectic fever, pulse 100, respiration 40 ; decubitus on the right side, but other positions were equally comfortable to him; great emaciation, congestion of the integument over malar prominences; the infra-clavicular regions were much depressed; muscles of forced respiration acting with great vigour, imperfect expansion of the left side of the chest, particularly of its upper portion. The right side of the chest measured sixteen inches, the left, fifteen and ahalf: distance from clavicle to the nipple upon the right side measured six and a-half, upon the left, six and a quarter inches: from the sternum to the nipple upon the right side, six inches, upon the left, five and a-half inches. He was right handed.

The whole of the left side yielded a dull sound upon percussion, the dulness being most intense in the superior part, and becoming less so in the lower portion. In the upper part of this side there was loud gurgling, with cavernous respiration and pectoriloquy; towards the mammary region, the respiratory murmur was mixed with muco-crepitating, and crepitating râles. Over the scapular region of this side, the sound upon percussion was dull, and the respiration was bronchial; but from the
scapular region downwards, the sound on percussion was clear, and the respiratory murmur was puerile and free from rale. The sound on percussion over the lateral regions of this side was clear, and the respiratory murmur natural. On the right side, there was marked dulness of the upper portion of the chest, particnlarly towards the mesial line, and the respiratory murmur was mixed with muco-crepitating rales. The mammary region yielded a dull sound upon percussion, and in this situation the sounds of the heart were heard with the greatest distinctness, and here also its impulse was felt, whereas, in the proper cardiac region, no pulsation could be seen or felt, and the sounds were heard very indis. tinctly, and all over this space the respiratory rale, mixed with muco-crepitus, was quite audible. The sounds of the heart were natural, and there was no bruit or fremissement to be discovered. Over the posterior portions of the left lung, from the scapula downwards, the respiratory murmur was puerile, and in the axillary region, the same character of the murmur, and the same clearness on percussion were observed. Over the left hypochondriac region, the sound upon percussion was quite dull, and over the right hypochondrium the sound had the character of amphoric clearness. A small portion behind, yielded a dull sound, and this corresponded in shape and extent to the normal splenic dulness of the left side. The patient was quite positive that the position of his heart had never been noticed by himself until three years previous to his admission, and then his attention was drawn to it by severe palpitations which he endured at that time.
On opening the body the following appearances were disclosed:-The heart was situated to the right of the sternum, its aortic ventricle being to the right side. The aorta arched round to the right side of the vertebrex, and gave off the innominata on the left side, and the subelavian and carotid on the right side, both vene cave entered the auricle on the left side, and the pulmonary veins opened into the auricle on the right side. The in ferior cava perforated the diaphragm to the left of the mesial line, and the œsophagus to the right. The right lung possessed but two lobes, whilst, the left had three. The large lobe of the liver, with the gall bladder, was situated in the left hypochondrium, its small lobe passed
across the epigastrium, and partially covered the stomach, which was situated in the right hypochondrium, with the spleen related to it in the usual manner. The head of the pancreas was directed towards the left side, the erecum was placed in the left iliac fossa, and the descending colon in the right. The thoracic duct passed along the left side of the spine, and opened as usual into the left subclavian vein. The left testicle hung lower than the right. The cavities of the heart and the valves were in a natural condition; the liver appeared enlarged, but weighed little more than three pounds. Both lungs exhibited extensive tubercular deposit in their upper and anterior portions. In the left lung, a large cavity was found occupyingitsapex, and in the corresponding part of the right, the tubercular matter was undergoing softening. Old adhesions bound the upper portions of both lungs to the thoracic parietes. The larynx and trachea were not examined-as the body was required for dissection -and for the same reason, the cranium was not ojened.

Although many cases of transposition of the Viscera are now on record, get it does not appear that the profession generally, is sufficiently aware of the occasional occurrence of this malformation, or at least of the means of detecting it; and hence I have selected this case, for the purpose of making you familiar not only with itis anatomical peculiarities, but also with the method to be folfowed, in arriving at a correct diagnosis. Dr. Watson has collected the particulars of thirty three cases, in four of which he says the transposition was detected during life ;* but as one of the patients was still living, when his paper was published, and was not seen by himself, we cannot be certain whether the transposition was com. plete or congenital. In the description of the cases which were published by Scoutetten, quoted by Dr. Watson, it is remarked, that "in one of them the trans. position of the chief viscera had been detected during life" ; but we are not informed by what signs and symptoms the fact was discovejed-for aught we know, the transposition may have been merely guessed at, for it appears that in the other two cases which he had under his care during the same year, he overlouked the anomoly, though the disease of which they all died, viz. gastro-enteritis, afforded favorable opportunities for frequent and careful examination of the viscera. In Dr. Watson's own case, the nature of the disease of which the patient died is not mentioned, nor was the transposition detected during life. The other cases alluded to by Dr. W., where the malformation was discovered during life, are those of a student in pharmacy, spoken of by

[^0]Capuron, whose heart was on the right side ; but as no mention is made of the other viscera, and as Capuron merely saw the patient when alive, we cannot determine whether the position of the heart was congenital, or the result of a pleurisy of the left side; and the transposition seems to have been overlooked in the case of a soldier, who was killed in a duel, who " often jestingly affirmed to his comrades, that whatever the faculty might pretend, he was sure his heart was on the right side." If any inference is to be drawn from this case, it is, that the physicians who examined him, scouted the idea of a transposition. The case, however noticed by Mons. Bally, was accurately diagnosed during life. "The transplacement was detected by M. Bally, while his patient was yet living; and many physicians, and a great number of students were attracted by curiosity to visit and examine him." So that instead of four cases, in which the anomaiy was detected, according to Dr. Watson, we can, in fact, admit only one, viz., that of Mons. Bally, or at most two, if we allow that Scouttetten's case was detected during life, which for the reasons before mentioned, $I$ very much doubt.* But there is this great difference between the above cases, and that lately under our observation; that in the former, there was no disease of the thoracic viscera whatever, the patients having died of fever; whereas, in our case, we had extensive disease of both. lungs to complicate the diagnosis -yet from the accurate notes taken by Mr. Brookes, and from the careful examination of all causes likely to produce a dislocation of the heart, or in any other way account for the phenomena of the case, I was enabled to predict that we should find all the viscera transposed, as the result of congenital malformation.

The points in the differential diagnosis, which were so frequently detailed to gou at the bedside, I will recapitulate, that you may be enabled to apply them to the elucidation of similar cases, should you meet with such in the course of your practice.
There are many diseases, some of which invariably, whilst others only occasionally, produce dislocation of the heart. The first of these which I shall notice, is pleurisy with eflusion, which when it occurs on the left side of the thorax thrusts the heart to the opposite side. This you will readily conceive to be a natural consequence of over distention of the left pleura. Was there reason to suppose that this was the cause in the present instance? That it could not be, was manifest, from the following considerations :-

[^1]In pleurisy, with effusion, so cxtensive as to dislocate the heart, we have absolute dulness, with total loss of respirating murmur ; enlargement of the side, with bulging of the intercostal spaces, and inability to lie on the sound side, and increased size of the liver, as I pointed out some years ago, even when the effusion occurs on the left side. Moreover, when complicated with phthisis, this latter disease is always better marked on the opposite side. Now, in the case of Monro, none of these symptoms were present. We had, as you recollect, clearness on percussion posteriorly, with only partial dulness anteriorly; and instead of having complete loss of respiratory murmur we had cavernous râles, with gurgling in the apex of the lung-puerile and feeble respiration throughout the remainder; and careful measurement shewed that thare was no enlargement of the side. The patient could lie with equal ease on either side, and the physical signs were better developed in the left lung. It was evident, therefore, that the dislocation was not caused by acute pleuritic effusion.
2. But pleurisy may become chronic, and the effusion having been absorbed, the heart is left in the abnormal position in which it may have been bound down by adhesions. What would have been the physical signs of such a pathological state? There should be deformity of the chest, arising from contraction of the side, pointing of the angles of the ribs, depression of the shoulders, tilting backwards of the inferior angle of the scapula. A marked symptom, moreover, of chronic pleurisy is obliteration of the intercostal spaces, with diminished expansion, resulting from enlargement of the ribs, in conjunction with contraction of the sidethis obliteration is frequently almost complete. In our case, however, there was no deformity -there was equable expansion, and the intercostal spaces were well marked. In addition to these facts, the history of the case (the patient never having had an attack of pleurisy,) went to prove that this disease could not have been the cause of the displacement.
3. We now come to consider another affection which oceasionally causes displacement of the heart, viz., emphysema of the lungs- the prominent symptoms of which are, bulging of the chest-morbid clearness on percussion, and feebleness of respiration over an extensive surface; all of which were absent in the present case; besides, dislocation occurring in conjunction with this disease, usually takes place downfards towards the epigastric region, because it gene-
rally happens, that both lungs are engaged in the disease.
4. Another disease which might cause dislocation of the heart is hydrothoras; but when we consider the infrequency of hydrothoras as a consequence of phthisis, and that the cavities of the pleura are the last places in which cffusion occiurs, it being always preceded by odema of the body and extremities; and when we remember that there was no dulness on percussion, and no loss of respiratory murmur, over the posterior and axillary portions of the lungs, the dislocation could not be attributed to this cause.
5. Acute spontaneous preumothorax, the occurrence of which is questioned by many, could not in this instance, have produced the dislocation, as the symptoms characteristic of this disease, viz. suden supervention of dyspncea, with tympanitic sound on percussion and loss of respiratory murmur, were a'l absent.
6. Dr. Stokes mentions that chronic empyema of the right side may produce dislocation of the heart to the right side by the contraction of the side, which takes place, but as the sides of the chest were symmetrical this could not be the cause.
7. Dr. Swett, of New-York, has published a cass of large tumour in the epigastrium, which dislocated the heart, and caused a bruit de soufflet. There was no evidence of the existence of such a tumour in our case.
S. Finally, it could not have been caused by chronic phthisis of left side, as this "produces dislocation upwards towards the clavicle.
9. Aneurisms of the aorta and malignant tumours have occasionally dislocated the heart, but, as I shall presently show, neither of these diseases could have been present in this case.
Having now passed in review all the diseases capable of producing dislocation of the heart to the right side, we uow come to the question-Was the pulsating tumour the heart? There are only two diseases in which a pulsating tumour is present in the thorax and which were at all liable to be confounded with the presence of the heart, viz. aneurism and cancer of the lung ; for you are aware that in "pulsating em. pyema" the tumours are always external. The nonexistence of the former was evident-from the absence of pain in the front of the chest, extending to the shoulders, of knawing and shooting pains from erosion of the spine-of signs of pressure causing dysphagia and dysp-ncea-of feebleness of respiration-of bruit and fremissement and double sound, of aneurismal cough, of that peculiar stridor accompanying expiration, termed tho
stridor from below. On the other hand, the symptoms characteristic of cancerous tumour of the lung or mediastinum were not present. There were no indications of pressure-no varicose condition of the veins-no odema-no appearance of cancerous degeneration or cancerous tumours in any other part of the body; no currant-jelly-like expectoration-no complete dulness with entire loss of respiratory murmur-no faint doubie sounds, and no bruit de souffet.

Having now cxamined at some length, all the morbid conditions capable of producing dislocation of the heart, or pulsation in the right side of the thorax, and haring carefully compared their characteristics with the symptoms and signs of the case before us, we find that not one of them agrees with the phenomena exhibited by it, and we are compelled, the refore, to fall back on the only remaining cause, viz., congenital displacement of the heart, which we know to be generally connected, with transposition of all the other viscera. What then, were the positive signs of transposition of the viscera, which were observed in the case of Munro? Visible pulsation on the right side of the chest, there being no pulsation in the usual cardiac region; sounds of the heare of a normal character, heard most distinctly over the cartilage of the third rib on the right side, feebly, in the usual cardiac region; am. phoric sound on percusszon over the reght hypochon. driac region; complete dulness over the whole of the left hypochondriac region; and dulness also over a space on the right side, corresponding to the usual situ. ation of the spleen on the left. You perceive, then, that, in forming a diagnosis, the pernicious system of guessing at the condition and situation of the organs, was studiously avoided. I purposely entered into as minute details in estimating the nature and value of the negative signs and symptoms, as in the collection and comparison of the positive ones-we found that the phenomena were totally irreconcilable with any other idea, than that of congenital displacement,-we knew from physiology, that such transpositions are generally complete-we discovered by auscultation and percussion, that a complete transposition of all the large viscera was actually present in the case, and hence, from all these circumstances together, we deduced our diagnosis.

Besides complete transposition of the thoracic and abdoninal viscera, we sometimes meet with cases where the abdominal organs alone are thus displaced; and again we meet with instances where the heart is the only organ transposed. I know a medical practitioner whose heart is situated in the right side of
the chest; he regards it as a congenital conforma. tion, and this is the opinion of others who have examined him ; and yet, if I recollect aright, te has no evidence of a transposition of any other organ. In such a case as this, what proof would we have that pleurisy, with effiusion into the left pleural cavity, might not have dislodged the heart; for, though chronic pleurisy generally produces marked changes in the affected side, yet extensive effusion, (causing detrusion of the heart,) may become absorbed, and leave no deformity of the chest-and the heart may not return completely to its vatural situation. As an illustration of this, I may mention the case of a military surgeon, a fellow student of mine, whose case is related in Dr. Stokes' rreatise upon. "Diseases of the Chest," who presented an example of extreme mobility of the heart, after pleurisy of the left side. In this case, the effusion dislodged the heart, and, on its being absorbed, which took place without any deformity of the chest, it was found that, whenever the patient lay upon the left side, his heart fell to that side, and as soon as he turned to the right side, it moved towards the right cavity. He was quite conscious of this extreme mobility, but suffered no inconvenience from it. Now in such a case, the want of the usual changes in the shape of the thorax, might mislcad the practitioner into the belief that the position of the heart was congenital; but all doubt on the subject would be removed, by the detection of the liver in the left hypochondrium.

ART. LIV.-CASES OF TIE ENDEMIC FEVER OF CANADA, WITII UNUSUAL COMPLICATIONS.

By Joun Jarron, Surgeon, Dunnville.
(Continued from page 259.)
In the Boinbay reports, Dr. Crow, in a letter to Dr. Jukes, states," that the symptoms of colduess and total absence of pulse frequently take place where there ap. pears to have been little disturbance of the prime via." Dr. Jukes relates cases where the prime vie were not at all affected; and Dr. Taylor says, "Of the third form of the disease I have also seen several varieties." "The patients fall down suddenly deprived of sense; the pulse is often feeble and indistinct, but sometimes rather full and strong. When he recovers a little, he complains of great pain of the head and gidudness, and frequenty of pain in the abdomen. Trismus occurred in two of these cases." A recent work by Dr. Parkes of India states, "for it often happened at the period the algide symptoms were most developed, the purging had ceased, ant in others of the most fatal collapse, the purging and yo. miting had been trifing or absent." The New York

Board of Health, in a report, in December, 1848, state, "that in some cases vomiting existed without purging, and vice versa. In several cases neither vomiting or purging." Important facts, entirely subverting the common notion that the collapse is due to the draining away of the fluid portion of the blood. Annesley, who is allowed to have paid more attention to the early symptoms of cholera than any other writer, states:-"A pracuitioner, possessed of true professional tact, will discover in the countenance of the patient the earliest changes which mark the approaching invasion of cholera. The countenance is expressive of something approaching a state of anxiety, although the patient himself may not be aware of his state, or even that he is at all ailing. He generally answers 'very we!l,' but if pressed on the sub. ject, he acknowledges that he experiences feelings which he cannot distinctly describe, though he feels neither pain or sickness. His spirits are, however, low, and there is a clammy moisture sometimes on the skin, and the pulse, though occasionally full and strong, is evidently oppressed and labouring. It is not, however, that kind of pulse which would attract particular attention, unless we are alert for this disease; but being prepared for such a visitation, it is impossible to mistake it." He gives a letter from Mr. Colledge in support of his own observations, and whose remarts were corroborated by every surgeon in the service to which he belonged.
" From the kind manner in which you received a part of the sick belonging to the ship 'General Harris,' under your charge, into the Madras Hospital, perhaps a statement of the primary symptoms or mode of attack of upward's of 70 cases may not bealtogether devoid ofinterest. I must acknowledge, however, that some of these cases wanted the usual characteristics of the disease; but if we take into consideration the early period of their application for medical aid, we shall not be at a loss for symptoms, which obviously mark the disease, previous to the supervention of purging, vomiting or spasms.
"I am so thoroughly convinced that these symptoms are only secondary, that were the following marks preseni, I should not hesitate to pronounce the case to be one of epidemic cholera. 'As the patient is approached, an appearance of overpowering lassitude is at once perceived, with a pallid, anxious and sorrowful cast of countenance; and in more advanced stages the countenance is dejected and suok. This peculiantity of coun. tenance was so very obvious to every intelligent person, that many of the officers deserve my best thanks for bringing to my notice those who assumed the oppressed appearance."

One case he selected as an experiment, and only
kept quiet, after he noticed the peculiar cholera expression. Vomiting and purging did not come on until nine hours after, but the case was with difficulty saved. In other cases, the men refused to submit to treatment when first noticed, and lives were lost in consequence. "The disease is, now raging violently throughout the ship's company, cases hourly coming before us, some of which have the well-marked symptoms of cholera; others, on their application, have neither purging nor yomiting, but they are $m$ arked by an anxious and depressed coun. tenance, general lassitude and inability to exertion, pain across the diaphragm, with sense of constriction about the thorax."

The annexed case of John Williams is one of my own patients. The appearance of the countenance attracted my notice when he was at work, about three hours be. fore the algide symptoms came on. I had some diff. culty in getting him to keep quiet, and take the first dose of medicine, and he would not submit to be bled until the cramps came on. This case gave me an opportunity of confirming Annesley's and Colledge's observations, of distinctly ascertaining the mode of lying assumed by the patients, and shows the little effect of even a decided mode of treatment, where the collapse, and not the state of the primæ viæ, is the principal feature of the disease.

I have also a note of a case occurring the next day after Williams'. The mode of lying in his berth attracted my attention, and led me to speak to the man, whom I found with the cholera countenance, and some irregularity of the stomach and bowels. The algide symptoms did not come on until some time after he was bled, and had taken calomel and opium. The general character of the disease was similar to Williams' case, but he recovered and resumed work in five days.

Cholera was not epidemic at the time of these cases; they were ascribed to a change of the prevailing wind which frequently produces the disease at the mouth of the Ganges.

Dr. White, in the Bombay cholera reports thus speaks of the modification of ague by cholera influence. After stating that cholera was epidemic at his quarters, but appeared to be excited by particular currents of air:"It appears to me that, in some constitutions, this cold wind, instead of producing cholera, causes a regular attack of fever and ague. You will observe by the abstract of the 7th, that eighteen cases of fever were ad. mitted last week; although the period of their admission was not the spring, when that disease commonly shows itself, in few of these men did more than one fit occur:"
"The above impression was made stronger on my
mind, from what took place in my own person. After all my perspiratory pores had been kept open for some time, in a crowded hospital, on going across the parade I was suddenly seized with a cold, shivering and trembling fit, which lasted some time after my return home. All my thoughts were fixed on cholera. By means of the pediluvium and mulled port wine, however, I restored warmth and comfortable feelings, but suffered a smart febrile attack after going to bed, which kept me hot and restless during the night ; but from which I in the morning arose free, though languid. I think that had my constitution been so predisposed, the same cause which produced fever would have brought on cholera morbus."

If we turn to the description of congestive fevers, as given by Armstrong, as well as modern authors, we find both their primary and latter symptoms very much resembling cholera. In the Southern States they have "choleraic intermittents," bluc disease," and "cold plague."

Dr. Wood's description of congestive fevers is,"There is great thirst, with tormenting sense of in. ward heat; the surface is cold, and bedewed with perspiration; the countenance is expressive of alarm, the pulse small, or almost imperceptible; there is vomit. ing and diarrhœa; and, in fact, the disease in many respects resembles algide cholera." Mr. Swinary of Bengal, in speaking of the latter stages of these fevers says, "the patient sink"s gradually into a state resembling the collapse that succeeds the low form of cholera;" and Dr. James Johnson reports cases of fever, where the "eyes of the patients put on"a muddy appearance, and the expression generally observed in cases of Indian cholera."

## (To be Continued.)

ARt. LV.-REMARKS ON "LUXATIONS OF THE Clavicle."

## By Join G. Bethune, M. D., Berthera:

Dislocations of the clavicle are, generally speaking, of rare occurrence; when compared with the frequency of fracture of this bone, and the reasons assigned are its strong scapulo and costo-sternal ligamentous attachments. The form, size and position of the bone, together with the fact, of the force necessary in almost every instance to cause a solution of continuity in its ossenus structure, or ligamentous adhesions, preponderating in favor of the former.
2 The bone may be luxated at either extremity ; hut dislocation of the sterno-clavicular articulation appears to be the most common accident of the two.

Nevertheless, medical opinion is somewhat divided on this point. Many of the best authors assent the prevalence of luxation at the sternum, while others, equally eminent, maintain the contrary.

Ferguson, who will surely be admitted to be as sound a practical surgeon as he is a bold and uncompromising writer, affirms luxations at the outer extremity to be the most common occurrence. Dis!ocations at the sternal extremity admit of variety. Thus we have the subdivisions of forwards, upwards, backwards, and these again admit of discussion, as to the prevalence of either, though the former is generally considered most frequent.

When dislocation occurs at the acromial articulation, the diagnosis is more difficult than when at the opposite extremity; and although the evident misplacement on manipulation, joined to the other symptoms, as falling of the shoulder, jutting outwards and backwards of the obtruded end of the clavicle, absence of the acromion process, and the presence of a cavity instead of the natural plane, pain, incrtness of the shoulder joint, and inability to raise the hand to the head, and general indications of the nature of the accident; yet, even all these are sometimes so vague or obscure, added to which the frequent absence of one or more leading signs, that many of the most skilful and observant surgeons have occasionally failed in detecting it, end have been induced to consider it as a partial luxation of the humerus.
In treating of this variety of dislocation, it is proper to remark, that the older writers in surgery scem to have been considerably puzzled at times in their diagnosis of the same. So obscure did it often appear to them to he, that Hippocrates, in his Lib. de Articulis, and Parry also, assent, that many of the best Physicians and Surgeons have been deceived in the diagnosis thereof, taking it to be a luxation of the humerus, and so have miscrably tortured their patient to no purpose. Helistcr, in his work on Surgery, (a copy of which I have now before me, being the edition for the year 1750 ,) says, "The proper and principal system of a luxated clavicle, (at the acromion) on a cavity, between that bone and the $P_{\text {rocessus acromion of the scapula, which }}$ not being found in sound limbs, must indicate a dissolution of the inutual connection between these bones, and in corroboration of this, quotes an aneclote of Galen, occurring in his (comment in Hippocratis Liter 1. De Articulis, who affirms as follows:-"I myself had once, in struggling, my clavicle so vastly separated from the acromion, that there appeared a sinus between the bones of near three fingers' breadth."

Luxation of the sternal extremity of the clavicle, if
considered as the most common, has also this advantage, viz., that it is easily perceptible. Here the trmefaction of the soft parts, and prominence of the bone be"neath, inability to raise the arm, \&c., dearly point out the nature of the injary.

In the acromio-clavicular dislocation, the ligaments ruptured are the acromio-clavicular, the coraco-clavicular, (Trapezoid and Conoid,) and the capsular, and the end of the bone rests on the acromion process.

In the sterno-clavicular dislocation, the ligaments ruptured are the sterno-clavicular, the interclavicular, the costo-clavicular or rhombeid, and the capsular, and the end of the bone rests on the front of the first bone of the sternum.

Luxation of the acromial extremity is produced by falls, blows, or any force acting so as to depress violenty the shoulder.

Luxation of the sternal extremity is occasioned by the shoulder being driven forcibly hack, as by a severe blow, or falling forward on it.

The treatment in either case is practically the same, allowing for the placing of compresses according as the inner or outer extremity is displaced. The Surgeon hav. ing discovered the nature of the aecident, should direct an assistant, placed behind the patient, to grasp the arm of the affected side, near the head of the humerns, with one hand, and to draw the shoulder upwards and outivards, while with the other he steadies the boty of the patient. The Surgeon meanwhile, lolding gently, yet firmly, the luxated extremity, at the moment of full ex. tention forces it into its natural position, and retains if there by means of a compress and bandage; the lat. ter being single, or the figure of eight, at his option, aiding the clevation of the shoulder by a pal in the axilla, tetained in its place by a suitable strap. The fore arm is then to be placed on the chest and suspended in a sling, rest, care, and occasionally looking to the bandages, will generally ensure union, though it is the opinion of Ferguson, at least, that from the difliculty of keeping the parts in apposition, union is generally effected at the sternal extremity by means of a false joint, which does not, however, he says, cause the patient any great inconvenience.
(A case follows of luxation of the sternal extremity of the clavicle, with perfect union, in fifteen days from the ecuirrence of the aceident, presenting, however, nothing unusual. We give the treatment and the result.-Ed.)

On the morning of the 14 th of December last, Norbert Belleisle, aged 14 years, the son of a farmer in this neighborhood, was brought to me by his mother, who stated that on the evoning previous, when attempting to
carry a heavy log of wood into the house, his foot slipped, and he fell forwards with the log under him, his right shoulder striking forcibly against it; that on entering the dwelling he inmediately complained of pain (en bas du coup,) and in the arm, and said that he conld not take ofl his capote alone. Having effected this with her assistance, he foind, after the lapse of a few minutes, that he was incapable of raising his arm without experiencing acute pain. He shortly after this retired to bed, and passed a restless and wearisome night.

On examination, a tumour was perceptible immediately over the right sterno-clavicular articulation. On manipulating, I distinctly felt the extremity of the bone riding on the upper part of the sternum, constituting the dislocation forwads, and on moving it with the left hand, erepitus was clearly heard.

Having eflected the reduction as above, I enjoined rest and care, and he went away promising to return in a few days.

December 29th.-On the lifteenth day from the occurrence of the accident, my patient called, and stated that he felt perfectly well, but that his arm was fatigued; had been tring and was able to raise his hand and take ofl his cap; begged of me to semove the bandages, or at least the sling. On examination, finding the coaptation perfect, I removed the bandages altogether, leaving his arm in the havdkerchief, and enjoined him to make but little ase of the limb for some time.
Junuary 1st, 1850 - Is well, and can make free use of his arm.

Berthier, Januay 5th, 1850.

Ars. LVL. ODSERVATIONS ON MALICNANT IUS: TULE OR CHARBON.
By A. Vur Ifliand, M.D., Beauport, Quebec.

It has been at times a mater of surprise to me, that a disease of so common occurrence in the country parishes as the Malignant Pustule, or more generally known as the Charlon, should have so little engaged the attention of our provincial medical practitioners. It is one, the very name of which carries to the minds of the habitants, not only the most dreadful apprehensions of danger, but, what is ectiously to be lamented, a mosit pertinaccous and, I may say; almost irremovable conviction, that any successfiul treatment is beyond the reach of medical science: and that only certain persons are endowed with the sovereign power of remedy, if applied to at an early period of its invasion. Hence the great number of Gueriseurs de Chaibon, the rare

- I knew an old illiterate man, named Lor, living near Sorel, who exjoyed an mioble repmation as guériseur de charbon et
application for attendance by the educated practitioner, and the frequency of fatal terminations; and to these untoward circumstances, we may justly altribute the very confined information we possess of the nature of the disease. Several instances of its occurrence in the rural districts, and particularly in those of Montreal and Three Rivers, have been already published; the cases are, however, widely dispersed in medical literature, and the disease has, in consequence, remained nearly unknown to the generality of the profession in England, Ireland and Scotland, and, probably from the causes assigned, to many practitioners in our own country.I $t$ is then, I need scarcely observe, of some importance that every member should acquire all the information that can be furnished respecting it by historical records.

We are indebted for much of the information we possess on this disease, to our worthy and distinguished President of the College of Physicians, \&c., Dr. Wolfred Nelson, who, upwards of five years ago, published, in the Montreal Medical Gazette, some very interesting instructions and observations on the Pustule Maligne; as alse to Dr. Gilmour of Three Rivers, a gentleman long favorably known to the profession. Both these gentlemen have been placed in such positions as to have afforded them very extensive opportunities of personally wituessing and treating the disease, and particularly at times when the epigastric disease was committing dreadful ravages among the caltle in country parts.

Dr. Wolfred Nelson very correctly observes, that " when constitutional disturbance becomes apparent in Charbon, the symptoms assume a very violent character, and the disease rapidly runs through its different phases -and consequently it is only on the onset of its invasion that active anti-phlogistic treatment can be relied on (I am only quoting from memory, not having the Doctor's valuable publication before me) to arrest its extension and fatal termination." The following case; however, (a very severe one), from tardiness in reguiring my assistance, will afford another instance, that in default of timely energetic reduction of vascular action, which in its inception would induce the most acate disease, while depending alone on the conservative powers of the animal economy, it may pass through successive periods of gradual development, of increase, and of the

[^2]highest degree of intensity, and become so suspended in its morbid action, as only to require some salutary processes to renovate its discomfited nature.

On the evening of the 23 rd October last, I was called upon by Captain Rainville, of Beauport, to reqnest my attendance upon his old servant, Gagnon, about 60 years of age, whom he stated to be lying dangerously ill from the Charbon-the consequence of skinning two cows that had died from disease. He observed that the curate had just then returned from administering spiritual consolation to the patient ; that he had been ill for some days; that he (his servant) was too poor to have the benefit of medical assistance, and, as it was the Charbon, he was fully persuaded that medicine would prove useless; his conscience, in the meantime, reproached him for being, (poor man,) the cause of his death; but that the Rev. Mr. Bernard, the curate, (a clergyman of high intel.ect) had desired him to solicit my professional services, well convinced that poverty with me never formed objectionable grounds to the exercise of humanity. Ia this highly respectable curate, suffering humanity has alvays met one of its most zealous and unwearied advocates; and during the prevalence of the desolating epideme, I have seen him at all hours of the night and day devoting his whole energies iin supplying the spiritual as well as temporal wants of his aflicted parishioners, independent of his numerous ministrations to the Lunatic Asylum, then severely in. vaded by the direful disease-cholera.*

On visiting the patient 1 perceived that the general phenomena had then assumed their severity of character, and I must confess that the state of the patient was calculated to excite the most serious alarm. The pulse was weak and frequent; great prostration of strength; tongue brown and furred, and some difficuly in breath. ing. On removing a large poultice of cow.dung from the left arm, the seat of the Charbon, it appeared greatly swelled throughout the whole extent, from the end of the fingers to the top of the shoulder, and even reaching to the same side of the thorax; very tensive and of a dull brown color; about the wrist and midway to the

[^3]elbow, three livid tumours, about the size of an English shilling, had already burst ; were deep and discharging a thin greenish and offensive sanies; several yellowish vesicles were also formed, and where they had been removed, the subjacent skin appeared sphacelated.

On requiring a statement of the case from the commencement of the attack, his wite informed me that about the 12 th or 13 th of the month, (October) Gagnon had stinned two cows belonging to his master, Captain Kainville, which, they supposed, must have died from disease, from the great heat of the flesh and backness of the blood, and had gathered a considerable quantity of suet and fat from them, for the purpose of making soap, if not candles. That about five or six days after, and while working in the field, he felt unwell, and his arm very painful; on examining it he discovered some redness about the wrist, and a small livid pustule nearly the size of a sixpence; that early the fullowing morning he complained of lassitude, depression and anxiety, shortly succeeded by rigours and violent headache; his arm extremely painful and much swollen, and of a brown red color, and two more livid pustules on an elevated base hat made their appearance, with several yellow vesicles; the functions of the stomach and buwels were very imperfectly performed, and he had passed no water, and, as they imagined, he was then, to all appearance, beyond the means of recovery.

The disease, had certainly, to all appearance, ran through all its phases, and no very favorable indications were before me, save the previous sound constitution of the patient, who, from all accounts, although advanced to the age of sixty, had never abused his organs by gross violations. There was no time to be lost, and I imme. diately directed my treatment, to counteract, if possible, constitutional disturbance and weakness, for, unless this object was attained, the patient would, in all probability, sink, in consequence of the highly morbid state of the system into which it had been thrown by the primary local affection. I administered, instanter, 4 grs. powdered camphor, 1 gr . quinine, and 1 gr . of opium; and preparing 6 papers of the same powders, ordered one to be repeated every three hours; and applied over the whole arm, a thick warm pultice, composed of very stale brown bread, leaven, (from want of geast) port wine and onions, and to be clianged every three hours.

On my visit the following morning I found iny patient much improved. He had had some rest ; had perspired ond passed water freely; his pulse stronger and more regular; tongue cleaner, but complained of some uneasiness in the bowels; to renove which, I adminiztered $1 \frac{1}{2} \mathrm{oz}$ of ol. ricini. On examining the arm; I
found it much less swollen, and had changed from a dark brown to a light red color; and the seat of the pustules, now in form of deep ulcers, had somewhat become enlarged, and, on removing the sloughs, appeared healthy; I ordered the poultice to be continued; and after the operation of the oil, 2 grs . sulph. quinine and 4 gr . opii. to be taken every three hours-leaving six papers.

On the 25 th he was much better in every respect ; and, as the arm was now assuming a more healthy appearance, I simply directed a nutritious diet, and proper dressingi.

1 have already observed, that the Pustule Maligne, or Charbon, is not generally known among the medical practitioners in England, Ireland or Scotand, nor have I seen it mentioned by authors on the Continent of Europe, save by Richerand in his Nosog. Chirurg., as prevailing in some of the Southern provinces of France; by Mr. Rose, of Nemours, in a memoir to the Academie Royale de Chirurge ; by Enaux and Chaussier, and by Baron Larrey, so well known by his Chirurgie Militaire, and celebrated as the constant companion of Na. polcon Bonaparte, throughout all his military campaigns, and designated by that great Emperor, in his last testament, as the most virtuous of men.

The disease is certainly one, sui generis, primarily existing in the lower animals, and readily communi. cated by contact to man; but, as Dr. Wolfred Nelson very correctly observes, it has never been known "to be conveyed by the person affected to any individual in communication with him." The Baron also looke upon onthrax merely as a milder form of pustule maligne; but if we bear in mind the pecoliar idiosyncracies of the subjects in which the two diseases are obtained, we must agree with Dr. Nelson, that they are manifestly very distinct from each other, and that anthrax cannot be traced to contagion.

The French Surgeon, ay a means of preventing the extension of the charbon, freely apply caustic to the tumours. To this treaiment, as well as to incisions, I have some objections, and it brings to my view that the grounds on which these objections are raised, were considered good philosophy, upwards of twenty-five years ago, by the eminent editors of the London Medical, and Physical Journal, and are contained in Mr. Gilman's prize essay on the action of the canine virus, in the following words-"When a caustic is applied, a new compound is formed-a saponaceous mass or eschar, which is generally suffered to remain until it sloughs away.Of what, then, is this new compound formed but of dead animal matter, a caustic, and of a pecular poison,
which we believe to be the cause of hydrophobia? It is true, the neighboring absorbents are destroyed, so far as the action of the caustic extends; but the virus is as jikely to extend with it, "being only in a state of union from the commencement of this operation, which is continued till the poison is uniformly dispersed through the whole of the acjacent parts, forming an animal soap by their commixture. Hence, by such means, a more extended surface is exposed to the action of the absorbents, which are rendered highly irritable and more active; and in consequence, perbaps, the case becomes more desperate.

I should be very desirous of extending my observations to that very peculiar epizootic malady, through the virus of which, by its contact with man, such dreadful disturbances in his whole economy are occasioned; but as it is only in the close investigation of the disease in the lower animals, as it is symptomatically exhibited to the immediate view of the owners or attendants, and the morbid appearances after death, both internally and externally, that any very accurate information can be collected, I must defer this interesting subject to a more favorable opportunity'.
P.S.-On referring to the 1st vol. of the British American Journal, since the above was written, I find an interesting case of charbon, published by W. Marsden, M.D., as having been under his care at Nicolet, in June 1842. The Dr. was successful in the mode of treatment which he adopted in chis case, as he was also, he says, in four others; a circumstance going far, considering the short time he had, up to 1842 , resided in Nicolet, to prove that this disease is of very common occurrence in these parts.

Beauport, December, 1849.

ART. LVII-CRITTICAL EXAMINATION OF GENESIS III. 16, HAVING REPFRENCE TO THE EMPLOY. MENT OF AN AESTHETICS IN CASES OF LabOUR.

By the Rev. Abranam De Sola, Lecturer un Hebrew Language
(Continued from page 262.)
We shall notice, first, the objection made, even by such as do not oppose on religious grounds, the employment of anæsthetics in midwifery, that, the rendering of ngetseb, by labour, or travail, would be tanamount to asserting that the woman received no punishinent for her sin; since there is no punishmant conveyed by either of these two words."-

[^4]We reply that there is a punishment conveyed by the words '" with travail shalt thou bring forth," for the travail of the parturient female is almost invariably accompanied with pain.* It may be rejoined that by this confession, we virtually admit the correctness of the authorised version, since the word we give, is, actually, as much expressive of pain as is "sorrow;", and that consequently, the foregoing inquiry, even if it show, on philological grounds, the incorrectness of the rendering of the English translators, cannot controvert the fact that they have selected a worl most correctly expressive of the sense intended to be conveyed. To this we answer, the propriety, in a religious point of view, of employing, anosthetics in obstetric practice depends in no small degree, however, upon the fact that ngetsel and ngitsebonech, in the referred to text, means travail, and not sorrow. Thus, it the practice of superinducing anosthesia in labour have the effect of militating, in the remotest degree, against the evident designs of God in this regard, as evinced in the laws of nature, and as reveated in the text under consideration,--if it interfere with the natural labour, in any way-if it produce any of those results which may endanger, if not the safety and welfare of the mother, the safety and welfare of her offspring, $\dagger$ then it is wrong, unscriptural, and sinful, and should be visited with the same pumishment as is merited by those guilty of faticide or infanticide. But if the practice have the effect only of assuaging the pain or "sorrow" resulting from the travail, then we maintain it is a grood, a proper, and a Scriptural practice. For, if the professional objections urged by some are ultimately pronounced to be futie, and the powerfol arguments in its favor, hacked by statistics, (hese rendering strength stronger) remain unrefuted, then it is a goad practice, for it exempts from the most agonizing and excruciating pangs, those weakly creatures, who, when the hand of sickness lays heavy on us, like ministering angels, strive to alleviate our sufferings with a tenderness, a devotion, a loveliness, of which man is incapable, and which, alas! he cannot always fully appreciate. It is a proper practice, since, independenty of the enormous amount of suffering relieved, statistical tables $\ddagger$ fully prove that it has had the effect of preserving many who, but for it, would, no doubt, have sunk under the intense

[^5]and continued suffering they wero doomed to endure. It is a proper practice, because it is not, as some style it, "an unnatural practice," not nore so than the use of narcotics of all descriptions, such as laudanum, etc., taking nine to tivelve hours slocp, when scarcely more than half this is required-indulging in siestas in daylight, against which practices nothing is said with re. ference to their being unnatural or unseriptural. Again, the inoculation of small pox, which practice appears equally unnatural, and, in the eyes of an Israelites, perhaps more unseriptural than the employment of anasthetics, since the Mosaic law forbids the touching of any sore or ulcer by a person in health;* and liy parity of reasoning (sic) it forbids inoculation; and yet, of this very practice, advantageous as it is confessed to be, it was said "Ergo variolus inoculare nefas"-theretore to inoculate small pox is an abomination: "and some divines railed against it, calling it the offspring of atheism, a diabolical invention of Satan; and inoculatore, hellish sorcerers." But we must not stay to multiply instances. The propricty of the practice with which this inquiry is more immediately concerned is also shown from this consideration, that the text does not prohibit the abrogation of the pains of the parturient woman, but it declares the divine intention greally to muitiply her trazail only, for if the inspired penman had intended to convey "In soriow or pain shalt thon bring forth" cheblech, tsaratech or chilech; and "igain, bechebcl, betsarah or bechil, would, dowbless, have been the word emploved. The pratice is o Scriptural one, for, as well as God acts towards us with love and merey, "healeth the broken in heart and bindeth up their wounds," $\ddagger$ yea "healeth all diseases," $\$$ sio ought we to act when he gives us the ability to imitate hiar. When He took the rib from Adam to introduce woman into the world He caused a deep sleep $\|$ to fall upon himi while the process lasted ; and it is but imitating the mereiful dealings: of the Supreme, if the accoucheor, exercising the knowledge God has bestowed on bim, "causes a deep sleep to fall" on his patient, while he assists to come into the world the infant. Agrain, we find, from the earliest times. women whose sole business it was to assist, and, therefore, to alleviate, as far as they could, the pangs of their parturient sisters. Now, if their operations really tended to alleviation, and we cannot doubt bat that they did, then, according to those who object. on Seriptural grounds, to produce anæsthesia in labour, these midwives must have acted sinfully, as must have those also who employed them; and yet they were conntenanced in the tamilies of the pious patriarchs, and in the heginning of the bouk of Exodus we are told God "death well with the midwives" who acted kindly towards the women of Israel, "and made them honses."

[^6]The great length to which we have already extended our observations, forbids our enlarging more on this sub. jeet, yet, before concluding, we would make one or two remarks to show that, even if we have failed to prove the English version incorrect in its expression, "jin sorrow shalt thou bring forth," and that the employment of anasthetics in cases of labour is a good, a proper, and a Scriptural practice ; still; cannot such practice be opposed on Seriptural grounds, because we cannot understand the denunciations against the woman, literally, without also recciving, as literal, those against the man, the around, and the serpent. We will not stop to consider here the sentence of the serpent, but in respect to that of the man, we read, "In sorrow shalt thou eat of it (the ground) all tice days of thy life." According to the literal import of this passage, they who cat of the various productions of the earth, without having experienced "sorrow" in procuring them, and they who cultivate their fields, using cattle to the plough, or, indeed, employing any machine which shall enable them to eat of these productious without "sorrow," are transgressors against the words of Scripture!" "Thorns also and thistles it shall bring forth to thee." - They then, who labour so lard to exterminate these from their fields and gardens, act sinfully, since the literal tent says, they shall be, and such persons strive that they shall not be. "And thou shall eat the herb of the field." - If the denunciations against the sinners in the alfair of the forbidden tree, were to be immutably and permanem! 5 entailed on the humanrace, and they were not to be more so on woman than on man, how is it that we find this sentence afterwards changed, and animals permittes to man for food? "In the sweat of thy fuce shalt thou ent bread."-This applies as much to man, in the present day, as does the sentence of Ere, to woman, in the present day. He, therefore, who does not earn his daily bread by infinite bodily toil, for such, it is generally admitted, the expressive metaphor of Seripture means, - the man who, instead of toiling for his daily food, lives without lahour on those ample means with wich a parent or a friend may have presented him, is a sinner against the declarations of Scripture, although he may be exceedingly upright, charitable and religious, in every other respect. "For dust thou art and unto dust shalt thou return."-Then there is no immortality for us, for man, as a punishment, is to return to the dust whence he was originally taken. This passage, too, might be made to show the sinfulness of the practice of the healing art itself, since the Scriptures teach, man "shall return to the dust," i.e. die, and physicians try to make him live. But this insisting on the literal character of the Divine denunciations against woman, in consequence of Eve's disobedience, produces numherless other inconsistencies. Thus, Adam ought to have died on the same day that he pariook of the forbidden tree, because God announced to him, "For on the day that thou eatest of it thou shalt surely die,":and yet Adam lived long after he eat of the tree. And so also, Eve committed no $\sin$ in eating of the tree, and ought not to have been punished for so doing, because (according to the Seriptures,) the prohibition of God was addressed to Adam alone, even before Eve was
made. And yet, woman is always to "bring forth children in sorrow." If, then, an accoucheur, who maintained the literal of this "sorrow," were to attend one of those patients who "from their more natural mode of life," and "the greater purity of the atmosphere and food" to which they are acrustomed, suffered little or no inconvenience from labour, as is almost generally "the case with the Indian women of South America," the Squaws of Canada, and many black tribes, that accoucheur would be bound, if desirous of duly carrying out the strict letter of the law, to use such means that the labour should meded be one of "sorrow." A black, no more than a white woman: has a right to be exempt from a curse universally and immutably entailed on the sex. Again, "He (Eve's husband,) shall rule nver her." No doubt weak. minded husbands may find it convenient to quote this text in its most literal acceptation, to their wives, as some apology for their tyranny; but few duly impressed with the dignity of the sex would venture herely to assume undue authority. Nor will woman be deterred herebr from vindicating her just rights $\dagger \dagger$ but this cannot be the case with those who clamour for the literal letter of the law. We may not, however, pursue this subject farther. Be the instances already adduced, sufficient to show what inconsisteney and impropriety there is in the opinion that the word "sorrow" of the denunciation against the woman is literally to be accomp'ished on the sex in the present day, and that to prevent in any say this accomplishment, is both unscriptural and irreligions.
Professor Simpson has added many logical and convincing arguments in refutation of the actual and imaginary objections of the literalists. One or two we have adduced as our own, because they occurred to us before we had seen the learned Professor's book; and hecause we thought the cause of trath wauld not suffer by repeating them. For others, which appear to us most cogent, we must refer the reader to the work itetlf; and yet, we cannot refrain transcribing one which appears to us particularly happy. Professor Simpson says, "But the accoucheurs and surgeons among you, who object to the use of chloroform, on the ground that it goes, in their opinion, against the objpet and end of the primeral course upon woman, strangely forget that the whole science and whole art and practice of midwifery is, in its pssence and object, one continuous effort to initigate and remove the effecte of that curse." And after enumerating these means of mitigation the Professor continues-" By these means they succeeded partially, in times past, in mitigating the sufferings and effects of parturition, and thought they committed no sin. But a means is discovered hy which the sufferings of the mother may be relieved tar more effectually; and then they immediately denounce this higher amount of reliel as a high sin. Gaining your

[^7]end, according to their religious views, imperfectly, was no sin-gaining your end nore fully and perfectly is, they argue, an undiluted and unmitigated peice of iniquity."* We nust beg leave further to quote what a Christian clergyman, who takes the same view of the case as Professor Simpson, and the humble writer of the presenf inquiry, has" said in connection whth this sudject, "1 should not be surprised, in the cours of the debates upon the emancipation of the Jews, to find some members pleading, as some have pleaded in former times, that to give a Jew a legitimation in any commonwealth, is a plain contravention of the will and word of God concerning that people." $\dagger$ The writer was not incorrect in his prophetic anticipations. In the late discussion on :he Jewish Bill in the British Pariament, there were not wanting those who did urge such an objection, and it was, doubtess, as much in consequence of their everlastingly chiming this objection, as from any other cause, that the Bill was lost.

With these extracta fiom Professor Simpson we conclude, but not before earnestly exhorting our readers to weigh calmly and unprejudicedly the arguments adduced on both sides the question, before they decide the employment of anasthetics in cases of labour to be unscriptural and irreligious. As to the propriety or expediency of their use, in a medical point of view, as hefore remarked, it is not for us but for others to decide. We desire only to show that if a certain case should cali for their employment, both physician and patient would not be acting unseripturally were they to use them. It is true, that some teachers of religion have nct been able to see the innocency of the practice, and one has pronounced chloroform, in particular, to be "a decoy of Satan, apparently offering itself to bless woman; but in the end, it will harden society, and rob God of the deep, earnest cries which arise in time of trouble for help." $\ddagger$ But we have already seen that language similar in tone has been employed by such injudicious and bigotted zealots (worse enemies to the Scriptures than unbelievers themselves, when waging a fierce war against the introduction of inoculation. And we cannot but remember how, among Cbristians, the teachings of the celehrated Galileo were were also styled unscriptural, and himself branded with such titles as " liar," "impostor,", etc. ; and how among Jews, that eminent philosopher, Moses Maimonides, whose gigantic intellect has been extolled as well by enemy as by friend, was excommunicated by the French Israelites, and copies of his works, now so much prized, publicly burned by them, because he strove to disabuse them of various absurdities they had permitted to usurp the place of religion. Nor can we forget that the most important discoveries in medical science, when first broached, have had to contend with this same prejudice and bigotry§-that Harvey called down upon himself the indignation and ridicule of the profession, because he taught the circulation of the blood-that his followers

> * Anæesthesia, p. 125.
> + Anæsthesia, p. 127.
> Anasthesia: p. 121 .
§Sec a pamph!et by Dr. Elliotson on "Surgical Oprrations wihout pain in lise Mesmeric State,"
were lampooned and his discovery written against-that Democritus was pronounced a madman; Roger Bacon, a sorcerer,-that epiliepsy, St. Vitus's dance, and numerous other diseases were ascribed to demoniacal posses. sion, the phenomena of electrical and galvanic apparatus, to the agency of spirits-that the devil was declared really to be the chief personage, though disguised, in the lodges of freemasons-that the truths of the physiology of the brain, of the lacteals, and then of the lymphatics, bark, antimony, the stethoscope were pronounced to be no truths. Let us recollect all this, and then let us ask ourselves with what sentiments we, at the distance of a couple of generations from the decriers of these truths, now regard their opposition, and then let us determine that coming generations shall not so regard us, but that they shall be obliged to confess, that however superior and advanced they may be be in science, they do not excel us in our attachiment to it; and that we have been guided in the present and every other inquiry we have instituted, by a love of truth, of progress, and therefore of God and his revelations. And above all, let us remember that our Heavenly Father does not find any satisfaction in "the deep earnest cries" of suffering hu-manity*-" does not find pleasure in the death of him that dieth;" $\dagger$ but that on the contrary, God'slove for us surpasseth that of a mother for her tender babe. $\ddagger$ Yea, "The Eternal, the Eternal is a merciful God and gracious, long-suffering, and abundant in goouness and truh."§

## Montreal, February 28, 1850.

Art. LVII.- Report of the proceedings of the Sanitary Committee of the Board of Health, in relation to the Cholera as it prevailed in New-York in 1849. New-York: 1849. Pamphlet. Pp. 106.
We have delayed noticing this valuable report, until the present moment, in the hopes that we might have appended some observations on the progress of the cholera in this Province; we have no means of obtaining this desirable information, except from an offcial report of the Central Board of this Proviner, established last year. We are not a ware whether suci a report has been presented to the Government ; but the Profession and the public have, it seems to us, some right to demand it at their hands.

The first case of cholera which appeared in NewYork, occurred on the 14th of May, and on the 16th the sanitary committee was appointed, and invested with full powers by the Board of Health. Accordingly , recognizing the walue of the following circum. stances in reference to the origin and propagation of the disease, they assumed them as the basis of, and guide in, their operations.

[^8]"1st-That the general cause of the disease appears to exist in the atmosphere.
" 2nd-That in attacking individuals, the disease genorally gives notice of its approach by some preliminary symptons.
" 3rd-That these preliminary sgmptoms are usually under the control of medicine, and being arrested, the further development of the disease is prevented.
"4th-That the agency of various exciting causes is generally necresary to develupe the disease. Among these caures the prin. cipal are the existence of filth and imperfect ventilation, irregu. larities and imprudencies in the mode of living, and mental dis. turbance."
They forth with established hospitals in such succession and in such parts of the city, as the spreading of the disease required, until the whole number amounted to five. They accomplished a thorough purification of the city; indicated in publications, and enforced the necessity, of caution, as regards diet and regimen, and finally took means to afford in abundance, prompt and ef: ficient medical relief. Some important reports conclude the pamphlet. The first of which, is that of Dr. Greer; resident physician of the city of New. York, which is drawn up with great ability: after detailing the progress of the discase through the several wards of the city, he gives a synoptical view of the general weekly, mortality from May 19th to Oct. 13th; on which latter day the disease ceased. From it, we glean that the total mortality was 15,219 ; of which, 5017 perw sons died of cholera asphyxia, 901 of cholera infantum, 226 of cholera morbus (sporadic?), 615 of diarrhca, 349 of dysentery, 378 of inflammatory affections, and other diseases of the stomach and bowels; exhibiting a proportion of 8064 out of the whole mortality, occurring from diseases of alimentary canal. The total mortality for the corresponding period of 1848; was 6362 , and the total mortality from bowel affections, of that number, was 1565 . The result of practice in the five cholera hospitals, is thus summed up. The total number admitted, was 1901 ; deaths, 1021 ; cured, 880; furnishing a per centage of cures of 46.29 , and of deaths, of 53.71 .

Under the auspices of the Sanitary Committee, $\mathrm{se}^{-3}$ veral important investigations were instituted in regard to the chemical condition and constitution of the atmospheric air. These were intrusted to the charge of Prof. Ellet. We exrract the most interesting portions of this report:-

[^9]rate form, or in new etates of combination, any forcign body which it might contain. It was evident from the wide extension of the epidemic, that its cause-supposing it to be atmospheric-was to be enught in the geneal atmosphere of the city, rather than in those limited localities where its high degree of viralence indicated more of exciting than of predisposing agencies.
"Two sets of experimente were commenced on the Ilth day of July. The design of the fiss was tuseparate by a cold of $3 z^{\text {in }} \mathrm{F}$. whatever substances might be comdensable from the uir at that temperature; and of the other to subject it in considerable masses to various chemical agencies suitably selected.
"Alhough the resolts of these cxperiments have been cotirely negative-indicating, so far as they go, the presence of no forcign matter in the afmosphere which could be regarded us the sonrce of disease, I deem it proper to describe the modes by which they have been reached, if for no other purpose than the information of future investigators who may engnge in a similar rescarch.
"The arrangement adonted for obtaining condensable products from the air, though nevel, was simpie and efficacions A tube of large bore coming from the exterath :ir, at a height of about five feet from the surface of the wrime, was connected with one of the necks of a large Wolfe'a bittle-a similar tube passing Irom the other neck, being tighty fited into an aperture in the flime of an air furnace, having a gooh draught. It was found that with this arrangement, when a moderate fire was knodled in the furnace, a powerful dranght of the extemal air was solicited tirough the apparatus, and continued active for at lcast twenty-four honrs after the fire had burned ont. The Wuife's bottlo was kept con. stantly surrounded by ice; a fire was built every morning in the furnace; and the oneration was continned day and night for nearly a fortnight.
"Large quantities of liquid matter were of cumras condensed: and these were drawn off fiom time to that, and rabmiticd th chemical examination. The lipuid was found io have the sonsible qualities of a richly aerated water. After allowing the minute quantity of dust which had been mechaminally introduced with the current of air, to subside, it was perfectly transparent, and destitute of taste and odour. It exhibited no decided acid or al. kaline reaclion to test-payme, ahhough more delicate teagents showed the presence of eabinic acid. Traces also of chbrineprobably in the state of chloride of sodium, which is generally present in the afmophere near the sea-and of emmomia, were also detceted; but their quantities wero too small for accursic de. termination, with the means at my disposal.
"Portions of the clear liquid were also tested with suitable re: agents, for the purpose of determining the presence of organic matter. This was found, but in quanfities apparently not greater than is usual in rain water that has fallen thriagh the atmosphese of a cily in warm weather.
: Both the clear liquid, and its sedimentary depenit were subjected to rigoroue microscopic examination, both by myseff and by Mr. Frey, whose expertucss in such rescarches is woll known; but no appearence of organized beings, sither umal or vegetable, was observed.
"For the purpose of detemining whether any forcign substance could be separated from the air by purely chenical agenta, I em ployed, as an aspirator for drawing it though then, a gas holder containing about sixty gratome. The aspirator having been fillod previous in each experiment with water, and the discharge of the fatter so adjusted as to oceupy from twenty-fuor to thirty-six hours, a current of air was slowly diawn throbsh the huidnemployed, which were contained in a serins of Wolfe's buttles, arranged with delivering tuins diawn to capillary oribices.
"The liquids through which the air was paesel in the success ive experinients, were sinutions of indide al motaspium in etiarch. water; of basic, nentral and acid acetates of lead ; of minate of lead; of nitrate of silver; of haryta; of potassa; of hydochhorie acid ; and of the chlorides of pold and of phatinum. Willont en. tering into unnecessary detriit, I may state that there experiments affirded results of the same characier with those abtained by the examination of the liquid irocured by rofrigeration. Ilvdrosul. phuric acid could not be detected. Carbonic acid, chlorine, am. monia, and organic matter were found in varving, but never in sufficient quantities to justify a surpicion that they could aff et the salubrity of the atnospliere which comtaned them.
"Rejeated endiometrical analysis of the air were aloo performed by meins of an ajparatus capable of affording much mor:
accurate results than the instruments generally employed for the purpose. The average of twelve experiments gave in the hundred parts by measure, 29.421 parts of oxygen, and 73579 of nitrogen. These numbers approxmate very closely to those obtained some yoars since by Dr. Hare, at Philadelphia, and indicate no departare from the normal constitution of the atmosphere.
"At an early period of the prevalence of the epidemic, the pub. lie attention was much directed to a peculiar principle called 'ozome,' which was asserted to be present in the air, and to be a Pobabic cause of the pertilence. Several persons exhibited the reaults of cxperiments which they considered as proving its presence; and certain cheinical relatione supposed to characterize it were made the basis of modes of treating the dipease, which were announced as having provid eminently successful. I decmed it therefore my duty to instimte numerous and cantious experiments to ascertain whether there was any substance present in the air capable of producing the chemical effectes attributed to - ozone.' In the course of this inverigation, i was forced to the conclusion not only that no such pece!iar prinecipie or condition existed in the atmosphere at the time; but that the experiments of those European chemists who have announced the production by artificial means, of such a new form of matter, or such a modi. fied or 'allotropis' condition of any of those forms previously known to us, are unsatisfactory:"

Ant. LIX.-Northern Lancet and Gazelle of Legal Medicine, atc. Edited by Francis J. D'Avignon, M.D., Ausable Foks, and Horace Nelson, M.D. Plattsburg, Vol. I., No. 1. Plattsburg: 18s0. Monthly.
The lamary momber of this new aspirant to public farom, was laid upon mur table a few days aro. Tho number contains thity-two pages of donble column ${ }^{\circ}$ each, latge octavo size, and of neat typographical execution. We notice that a considerable portion is devoted to Forensic Mericine; and, in his respect, this jormal presents considerable claims to the notice of gentlemen of the law. In the words of the Editors, these gentlemen are now "presented with an oppor. tunity of becoming thoroughly aequainted with a study of paramome interest to them, and equally requisite to " 'pratical' medical education." We wish our estecmed fremd, Dr. Nolson, and his coadjutor, every success in their enterprize, and if the subsequent mumbers manain the ligh standard which he present one hass evidenty assumed, its rank anoug the standard perindicats of the day can scarcely be doubted. It is publisherl at the low price of $\$ 1$ per anom, in adrance; and we notice that R. W. Lay, Notre Dame-siret, has heen appointed arent for this city. We will exchange with our now contenporary with pleasure.

## PRACTICE OF MEDICINE AND PATHOLDGY:

Simptorrons $H_{y}$ doopholia-Dr. Condie prescuted the outlines of a case of Sputaneous Hydrophobia. The person in whom it occured. was a man of the name of Willets, an overscher in. the ship-yand of Simpsen \& Neill, Southwark, about 35 ycars of age and of rubust trame and active, temperate babits. He had enjoyed, peevionsly, uninterrupted heallh, being unable so recollect an attack of any severe sickness, excepting a short convulsive
paroxysm with which he had been seized several years ago. On Tuesday evening. August 27 th, he west home in his usual health. The ensuing morning, on awaking hom sleep, he experienced 2 stiffness along the left side of the neck, and a sense of murb. ness in the arm of that side; this he athibutcd to exposure on the preceding nitht, during a sudden change in the temperature of the air. Dr. T. S. Reed was appled to, who directed an ap. propriate treatment, wheh, however, did net abote the symptoms under which the patient babonct. He soon bram to complain of puin extending from the occiput along the left site of the neck and hody of the epicastrimu. Frehar thirsty, lie took a tumbler of water in bis hand, but on attempling to swallow some was seized with a most minfulsense of suffocation, followed in tant ly by a teueral spasm; which, bowever, continned only a few minutes. A sinapism was apphed so the nape of the neck, and a large teaspoonful of laus dium was given. and repcated atter an interval of two hours. The patient slrpt none. Diring the whole of Wedneslay night he was tormented nith an ursent thirst, which indueed him to attempt to swallww water, but cvery time the altempt was made, the sense of sulfocalion and the spasms recurred. Dr. C. saw the patient, with Dr. Fecd, at
noon on the 29 th of Angust. IIe form him in a coustant state noon on the 29th of Angust. He foum him in a constant state of jactitation; his eyes had a peculiar wild, ruspicious look; his tongue was moist, and slightly roated along its centre, with a ycllowish mucus; ; it was somewhat pointed and ced at its edges:
his skin was cool and moist. Ile complained of at pain cont his skin was cool and moist. He complained of a pain commencing on the left side of his neck and extending down the ade of his budy, with as sense of weight or constriction at the epigasthium. Ife answered the rucsions put to him conrectly, but in a quick, slarp tonc of voice. He comphaned of intene e thir-t, but every time he attempted to drink be was semesi with the most agmuzing sense of euffocation. To show me the manmet in which it affected him, he scized a plass of water which stord upon the hueau in bus room, and by a sudten, jutking motion, bonght it to his lips; on attempting to swallow a few dropis he becane violently convulsed; throw his limhs about in a wild agitated manier; his ceyes staring witly opeon; his face atomeing a datk hue, and his whote chest heaving as one in the agony of suffocation. During the paroxysm his pulse was conmerele!, havd, and frequent, but innmediately uron its close, it teceme mure developed, soft and slow; the face, at the satne time, lost its flusin, and the forehad became covered with a proluse perspiration. As soon as the paroxysm, which lasted ouly for a few minintes, ceased, the patient became periectly rational, but continued in a state of constant rapinl motion, getting up and lying down-first on one side then on the other; and ejectiang every few minutes from his month with great force, and every time in a different inection over the soom, a small portion of thick frothy saliva. Thelt was wo bedmess nor swellag of the fatres, nor was any pain or measiness cxcited by persure apon the threat or epigastrim. As the patipnt lay uron his back, took up a fan mupreeived by him, and wih it penly agotad the an over his face; he was immediately stizel with the same convulsior paroxysm as on attompting to swallow Hevids, Lut lees intense, and of shonter duration. The mmation aut sight of Water caused, he said, a senee of constriction in $1^{\text {n. }}$, thood, and 4 preuliar, indescribable dreal. The air blew dircely upou hinn, throngh an open window, at the side of his bed; this cansed him no uneasinrss, it was mher, he declated, agheable to him. liodies in motion, as the waving of the window curath, or the agitation of the treas sten from bis room, produced no effect upon him. Ite declared that he had never becn hitten by a dog, now had, fin the last eighteenmears, ecrivedany wound or conntision. Upon minute examimation of his body, to cipatix conld be dioreyered. He attibuted the symp:oms under which he was latouing. to his having become oveheated while working in the smen, and then chilled in consfquene of a sudden change in tio tempera. tur of the air. He was ditected Dover's powder in seruphe doses, to be repeated at slont intervats, and half drachur doses of chlo. rolom. A hister was applied to the nape of thencel, ant an active cathathe tas administesed. But a very small poitimi of the medicine was taken, as every attempt to swallow lemblt on instanly a sense of impending sufocmion, and a violem parox. ysin of convulsions. Jowards the hater pant of the day the jatient became very much agitatid, wandered over the honse, and offered violence to those who attempled to restrain him. In the evening lie was more calm, and took some bread soaked in
tea, the swallowing of which was attended with only slight diffi. culty. He now complained of pain at the top ef his head; the whole head fell hot; there was a slight injection of the eyes; the pulse was full and firm. Cold applications were directed to his head, and his feet were immersed in hot water. Blood to the amount of twelve or fourieen ounces was taken from his arm, when his pulse sank and be soon after fainted. He now became more tranquil; the inability to dimk fluids still, however, continutd. Early on the moming of the thintieth he died; his death being mpreceded by coma am unattended by convulsions.No pist mortem examination could be obtained.

Atter his death a report was circulated that the patient had bren bitten by a pun he was handling, which subsequently died, but upin investigation. this repost was found to be unsupperted by any satistactory evidrnce of the fact. It was unquestionably a case of spontaneous hydrophob:a.-Transuctions of the College of Phys of Philatielphis.

## SURGERY.

Case of Natimant Tumor of cight or ten years standing, cured after tea year:, by " strict Diof of Brout antl Milk, with re. marts; by ll. J. Bowbitcin, M. D., ol Boston, Mass.-In accondane with your request. I copy for your Jumal my notes of the very intoresting care of 1)r. Twichell. I obataned them from lime cuing my late visit to the Granite state. and he kindly allows me to publish them. Every medical man, I prewne, is smmewhat arquainted wih Dr. T. He is one of the most moted of our New Eugland rugems. His encuit has a damener of fify miles-and he has always, cren while suffering from the heat discase, I hall embavor to detail, been able to dive his hundred miles, if necossary. in the twenty-four hours, and in his own car. riage, wer the hille ef his native State. The medical history of his life is cathenely intacting. I shatl therefure give that, very biefly, before ewnimp ofon the considuration of his local disease. 1st. Cateimma hat appeared in his family. Ifs prandmother diel of cancer of the mamma; his rister of a scirhbous pylorus. These are all the d.sa of his hereditary tendemeies that bear upon cur main topic.
2d. In very early i.fe, Dr. T. was in delieate bealth As a youth, foc: was stronger ind was anumg the foremost in all athetic sputs. White at college be became dyfpeptic ; had icterus, with cularged liver, Ne.; subsegnenty, he passed gall.stones. Whist puisning the stodies of his prefoscion, he began to sufter from ashona, and for about 20 , carm was very machabject to violent atlachs of it, catsing arfopmoa, de. Duning all this time, $h^{t}$ ate animal ford very freely, three times daify, and digented o casily, whereas wer table ford cansed dypopte difticultics. Beinit indaced, owing to a severe ame of ibe fate, to ubandon hat eomse, be fave uf, for nme yars, the we of meat. From this period at whish he first alasuloned mon, he hat never had antate tack of anthmat, amid Dr.' 'R. considera these two facte related teach mher, as catse and effect. Moreover, vegetable food wao soon casily inntie. Atto the unc gears of vegetable legimen, bu began whtually to icame the uec of the milher kinds of animae
 th iwo yetes sinee, when her commenerd the ve: y rigid diet, whach will he desenbed when trating of has heal dasase, which is the mare inmadmate niject of this paper. Fmally', I will stath as in-

 twh hamig six welts, and likewise, that vory many years ago,
 the use of erensote, ntemally appliad.
3. The lical dispase, the coust and result of which, I present as the chicf ohy et of interest, commenced eight an ton yeas siare,
 What fist motied, it was atome as large as a mustatd secet and Hop painfal. He oreasamally touched it, and had sonie sumpicion that at midh swmatly pow to lee a malighan: character. It was imbodded in the fintstance of the culis, and fiom the first secmed very show to angment in size.' At thacs he thought he felt sme lamemang pains in in, which radiated whe brow. It however did not interfere with the functions of the lachrymas ducts, \&c. Abeat 1843 the tumor had become nealy as large all
a pea and a tendency to the formation of a scab was observed. He then was induced to try some local applications, and freguently, until 1845, used "Jerming's Ointment." This re. moved the scal, and displayed three small lobes from which exuded a little purulent flud. : At first the morbid growth seemed lessened by this and other milder applications, but no permanent cifect was produced. At times the discharge ceased, but only to return again, and the tumor gradually lost its trilohed aspect. It was at this period quite conspicuous to every bystander.
August 1845, Dr. George Hayward, of this city, removed the major part of it with the scalpel. For a chort time, the wound secmed doing well ; but finally, it did not heal, and two months aftervards it was operated on again and nitrate of silver was applied. Meanwhile, however, there had been experienced much local pain. It was dceper seated, less transitory, and radiated to. wards the brow and cheek. Sometimes it was severe enough to awalen him at night, and was worse usually after long rides.

The applications during 1846-7 were chiefly of a very simple character, cold cream-preparations of zisc, \&e., and once the odid coflead. All active applications cansed inflammation of the ennjunctiva. The tamor continucd to augment slightly, and in the spring of 1847, it presented in my cye a decidedly malignant appearance. 1t was an ulcer about the size of the top of the finger, with ragged, hard, elevated edges, and the irritation fiom the discharge caused the patient frequently to apply his handkerchief to the part. At night it caused a glueing of the lids and a discharge on the side of the nose. I certainly believed, and Dr. T. tellsme that he thought, at that time, that the disease would gradually augment and invalve the eye-and he bad determined, if necessary, to have this organ extirpated. His general health, os it has been already stated, continued good; but, when not actively emploged, the mind was some what depressed at the prospect before him. At the meeting of the Anterican Medical Association in Philadelphia, May, 47, he consuited several of the cminent men whom he mot. 1 believe, 1 may say, that all regarded it as a disease of the most serinus nature, although some thought it might be cured by local applications, and ohers advised a further opera tion.
Dr. T. returned home discouraged, and he decided to give up all use of medicincs internally or of external applications, but to try a course of the most rigid dict. Starting from a the ory that malignant dieeascs arise frum the fath that we tale too much carbon into onr system, he determined to live, from that time, upon a bread and wilk diet, and if at the end of some months he did not find any diminution in the disease, he still determined to use nothing but bread ard water. Since his return from Philadelphia he has strictly adhered to the bread and milk. He has used three times daily from $\frac{5}{j}$ iv. to $\bar{z}$ vi. of cream of he richest milk, andsame quantity of either white or brown bread. He centinues that diet still.
The resull upon the local disease, have been as follows:--The pains in the part were lessened almost immediately. The puru. lent discharge very soun began to lessen, and intwo or three montins; it was evident that ihe disease was not aurmenting. During the following winter the improvement was more decided In the spring of 1848 , being obliged to rite over dusty roads, to great"distances, the eyo was more irvitated. Nevertheless, he felt, and his friends assured him. that the discased part was really lessening, and tending lowards a cure. Since that periud a steudy improvement has taken place. The uleerated mass, which wes so perceptible to me two years since-bas wholly gone, and nowi (angust; 1849) I can disenver no difference between the angles of the two eyes, save that in the right one there is a minute white spot, about a line in diameter, looking like a cicarix. It is not harder than the adjacent paris, and had I not known of the existenco of previous disease, I should not have noticed even this. There is no discharge, no pains, and a perfect cu:e seems tu have been accomplished of a disease that had been existing for about ten vears, in a patient aged 68 years.

The eifects of this rigid diet upon the constitation, as a whole, are interesting.

In hir mental estate, Dr. T. thinks ho has been much less irritable than when he was onnionrous.

He had, at one time, an attack of vertign, (t) which however, ho has boen always liable, and, finding that he was growing corpulnint under the diet, he, for a time, took less of it.

Ho has always been as strong as when indulging in a more generons diet.

He has been able to breathe better, having hadless tendency to dyspnœa.

His digestion has been good, but with a slight tendericy to cos. tiveness.

His organs of circulation have been unaffected.
Renal excretion, for years, a little disturbed, as is not unfrequently the case in persons of his age.

Finally, Dr. T. presents to my mind the picture of a bale, ro. bust man, in perfect health. so far as one can perceive, and but slighty touched by the influence of his many years of honorable and successmul labor.
Reflecthons uper Dr. T.'s Case.-The most important topic involved in the foregoing record is the restoration to health from what seemed to be a malignant disease, and that this result fol. lowed the strict diet of bread and milk for two years.

Second. The cessation of asthmatic difficulies, after they had troubled the patient for twenty yesis, and that this cure likewise followed the change of dict-from an almost strictly animal diet to one quite the reverse, viz: strictly vegetable.
Third. Some readers may ask if these two cares are not merely examples of the "post-hoc;" and they may deny that there is any complete evidence of the "propter hoc." I consent to the doubt, for it has entered my own mind. Nevertheless, it they are mere coincidences, they are pregnant with important suggestions. I confess that, in mv own practice, I have never met with any cases su siguificant of the power that diet, simply and heroically used, has to reorganize a man.
Fourth. Dr. 'T's case becornes intercsting as an evidence of the power of a man to subject bis body to strict rule. In this epicarean age, it is quite refresting to find one who "cats to live, and dnes not live to cat." A worthy professional brother, of this city, said, when' the case was related to him, "It migltt certainly be a question whether lift was desirable under such a regimen!' I honor a hero wherever I find him, and the heroism of Dr. T., in undertaking and pursuing his course on long, mercly in consequence of a theory, excites in me the greatest delightit. In this seeptical, unbelieving era, I like so see any one having faith. Whether the theorg was correct or not, it matters little-the fixed will of its follower arouses my enthusiasm; aitd this brings me to another topic of interest.
Fifih. The theory which govemed Dr. T,-was it orrect? I confess that I am ninable to solve the question; I merely suggest 1t. Sume, whom I consider as our ablest animal chemists, ihink that it was by the process of starvation, as jescribed by Licbeg," that the cure was wrouglit. It seems to me that this cannot be the truc explanation-for Dr. T. has always been stout, and it will be remumbered that at one time he actually gained fesh under the dict !-Charleston Medical Journal.

## MATERIA MEDICA AND CHEMISTRY.

Therapeutic Action of Aconitum Napellus.- The following is an abridement of papers, by M. Tessier, on this subjcet. in the Gazette Médicale de Lyos, for 15th and 3lst January, 1849 :-
Aconite has threc modes of action, viz. : a narcotic, an antiphloggistic, and a special action on the skin.

1. Narcotic Actinn.-Sme deny that aconite acts in this way; but, nevertheless, the fact is incontistable. It is sufficient th place some drops of the tincture on the tongue, to be ratisfied of the narcotic action, on the nervous system; for it excites a very decided feeling of numbness in that organ. Besides, when a full dose is administered, it is mo bucommon thing to observe delusions, vertigo, cullapse, and deliriam;-in fact, such effects are known to follow opium and poisons from the family solanea. In painful diseases, too, it often gives a wonderful immunity from pain. I have alministered Aconite in a great number of painful diseases-in dull pains in the bones, in facial neurilgia, in tonthache, somintica, cancer, \&c.; and have observed efficts which, fron their diversity, well merit atention. While morphia, with a fow very rare exceptions, calms every species of pain, aconile only relieves a certain special class.' Thus I have aever been able,
by means of it, to assuage the pain of exostosis, cancer, myclitis, nephritis, gastralgia, or whitlow; but, on the other hands I have obtained the best results from its use in such painful affections as have a catarria! or rheunatismal cause, along with disordered function of the skin, such as rhcumatism, angina, touthach, \&e. Aconite is, then, in a certain class of cases, a narcotic agent (ugent surpcfiant), but this action is subordinate to another, after. wards to he apoken of.
2. Antiphortistic Action.-The reality or this mode of opera. lion is believed in by Dr. Fleming; hy Dr. Giacomini, whoplaces acunite among the hoposthenic arterial remedies; and by the homeopathe, who affirm that this medicine may be used as a substitute for bleeding in the most uruent casts. Tos notve the ghestion, as to the rxistence of andiphtigistic preperties, it will not do (like Dr. Flemang), to chowse cases al rimamtism, bronchitis, pneumonia, erysipelas, or neuralgia, ail or which can usually be cured withont the abstraction of blond: but we must take diseases in which bledings are regarded as indispensable, as inflammation of the brain, apoplexy, peritonitis, hypertrophy of the heart, inflammatury fever, and ophthamid, from the introduction of a foreign body into the eye. In my ex. periments with aconite on the latter class of cases, 1 have mot met with a single instance in which the aconite could usfully be preferred to blecding. Ihave alss given a in active hemorthages, in hemoptysis, and in menorrhagia-and without any adustage. Frum nuy observations, aconite docs notappar to be more suitable to the plethoric : and upon the whole, I an inclinet to think that it answers best with persons of a nervous or lymphatic tempera. ment, and especially with those predisposed tar rheumatismat and catarrhal affer uons. I do zot, however, maintain that aconite never acts as an antiphlogistic: for by and by I amgoing tomen. tion cases in which it has seusibly reduced ties pulse; but then I will show, at the same time, that the action on the circulation was indirect, and that it is by regulating another fometion that aconite diminishes fever.
3. Action on the Skin.-If the prineipal therapeutic action of acomite be neither marentic and calmative, nor antiphlogistic, what it is? My aeply is, the special urtion of aconite is on the skin. It posseswes the property of chmineting from the ressels of the hurtul matter, nad of re-establishing the cutaneous fanctions when deranged by ehecked transpiration, or by some virins. I think that it has the special power of eontrolling dispases arising from cold, and othere in wheh a morbid principhe is retained in the culancons tissuef, as oceurs in the exanthematous fevers. It is a suitable medicine in all those diseases in which the function of the skin is disordered, as an articular and miscular rimmatis?n. as weil as in theumatism of the nerves, inclading sciatica and odoutalgia; also in affections of the mucus membrancs, such as bronchitis, cte; likewise on the examhemata.

Diseases in which Aconite is :rsed.-Courbature.-A bruised feeling in the limbs, creeping ernstione of the surface, lassitude, headache, and general disenofort, cometitute the group of sumptomesalled by this name; and they are also symptums when spicially indicate the use of aconite. The desired reher will generally follow, by taking daily from tive to ten drops of alcoholic tincture, in a hitic water. or hand vegetable infusiun.

Catarrhal Fever, es Hufeland showed, is caused by the suspension of the active funct:ons of the ekin. Ita paysicai charac. ters are : atcrations of heat and cold, dragyisg pains in the limbs. increased frequency in the desire to moke water, a tradency to sweat, goneral fever complicated with a local aftiection, which is generally coryza, angina, or bronchitis. The cherapeutic indiaations are : 1st, To re-cstablish the functione of the ekno; ${ }^{2} d_{\text {, }} \mathrm{To}$ subdue the irritation of the nose, throat, and bronethal tubes. A conite fulfils all these intentions. In catarinal fever, as in coasbature, it enusen the pain in the limbs, the shoverings, and the henta to subside, and, at the sume time, grently simplifies the pro. gress of the affecinat of the mucous membrates. But aconite does not, unaided, fulfil the second intention, which requires the assistance of opiates, blisterf, ar ath other means as may be sui. tible.

Angina and Acnte Bronchitis.-Like MM. Tessicr. of Paris, and Gabalda, the author has ecen aconite of much service in thene affections, by dimnishing in the birmer, the pains of degluition, and in the iatter, rendering the fits of coughing much kss distress. ing.
aconite in rheomatism, it is neecssary to discriminate between tho different forms of rheumatism, for it is very far from possessing the same inftuence over all of then. The cases in which it suceeeds best are-rerent rheumatic pains, unaccompanied by swelling and fever, or in which these sjmptoms are slight. In them, it possesses very great efficacy, and is preferable to bleeding; also to inoculation with mophia, or the use of belladonna-which drugs are mere palliatives of pain. In acute articular rheumatism, accompanied by decided swelling of the joints and ardent fever, aconte is of less valuc. At the onset, lowever, of such attacks, it may be administered with advantage, for the purpose of dimunishing the aflux of blood [la finxion] to the joims; but when the synovial membrane and the shows and ligamentous structures of the jainis become iathmed, aconite is useless, and, in my opinion, the best weatment is by large doses of nitrate of potash. In chronic apyrenal hemmatism, the results are good, thongh not ao striking as in recent attacks. By persevering in the use of aconite for six weeks or two months, obstinate rheumatic pains, which have existed for years, may be subdned. Acmine. besides being remedial, pussesses preventive propertivs by its decided infuence over the thenmatic diathesis. When given with this view, it muat be cominued for menths. In all rheumatic affections, but especially those which are chronic, the doses muat be much larger than those which are suitable in the diseases formery spuken of. It is necessary to begin with ten or twenty drops of ihe alccholic tincture, and to increasc the quantity up tofour, six, or sights grammes.*

Eruptive Fevers. - In these affections, as in catarthal feser, the pule is brought down; the cruption is aiso made to come out bet. ter. The heaficial intaence of acomte on the progress of the exanthenatia has already been mentioned, in a work published at Lsons-L I'harmacopece de Vitet. It does nut appear whelher the discovery of this property of the medicine belongs to Vitei, or whether it was stated by hine at second hand.
Erysipclas.-N1. Tessier agrees with Drs Ficming and Gahal. da in believing that acmite diminishes the duratim and the danger of this disease. I would wish to call, the attention of surgeons to its value in crysifclas attaking wounds; so that mv observations may be verified. I have several time seen a promipt and remarkable amendment foilow the daily use of from ten to twenty drops of the tincture, in cases of erysipclas spreading around wounds and ulecrs, and accompanicd by severe constitutional symptoras.
Pncumonia.-M. Tersier agrees with Dr. Fleming that the aconite, when adnmistered the conmencement, tends to restore the suppressed transpiration from the skin, and may thus give a milder character to the discase : but it inflammation have actively set in-if auscultation reveal engurgement and condensa-don-we mast not anticipate resolution from the exhibition of aconite.

Mode of Administrution - I am aruly astonished at Dr. Flening recommending the largest doses to be used when an antiphly wistic, rether than itn anodyne or narcotic, effect is defired. HuirEver much I respect so distinguished an athority, I must state that my practice is entirely diteren:. In a case of rheumatiem. ncuratia, or a"y other affection in which I wish the calmative properties of the medicine, I gise from ten tio twenty drops of the tancture, and gradually augment the dose to three, four, five, or even to eight granmes in the day; but, on the contrary, when I give it in the courbature or casarthal fever. I urder only from five Io ten drons in the wenty four hours, mat by such doses 1 bring down the puase, and diminish all the other febrile symptons, withont inducing any symptoms of poisming. Iprefer the tine. ture, as mbre certain than the catract. The tineture," diluted with one or two parts of water, may be applied topically in nen-

* Let us chution our readers nut to use the tinctures in common use in this country in such doses. No physician ought (i) prescribe aconte, whinut minutely specifying the preparation ho tatends io be used. That which we prefer is Dr: Flemmg's Tincture of the ront which is transparent, in color like sherry wine, und ut a slighty bither taste. The following is the furmula: "Take of rool of A. Napellus, carefully dried and finely powder. ed, sixteen bunces tray; rectified spirit. sixteen tluid ounees; macerate for four days ; then pack into a percolator ; add rectified spirit antil twenty uunces of tincture are obtained,'". Doso from three to five minims in repeated doses,
ralgia; but used in this way, aconite is an uncertain renedy. -L-ond. Jowir. of Med.


## MEDICAL JURISPRUUENCE.

Notes an a Case of Fitnl Poisoning by Mrtulit: Assenic.By B. Sillman, Jr., M. D., Professor of Chemistry and Toxieoto. gy in the University of Lonisville and of Chemisary applied to the Arts, in Yale College.-The case here related is of interest chiefly because of the comparative rarity of this notode of arsenieal porsoning. The facts of the case and the steps of my examination are given very nearly in the words of the deposition-this may acsount for the want of condensation in this communication, which might oherwise be presented in much fewer words. It may not, however, be without interest to the general rader, as showing, to some degree, the manner in which the toxicologist proceeds in such cases.

On the fourth day of September, 1S19, Dr. I W. C., of Bristol, Connecticut, brought to my labonary the stomach of a man, who, as he stated, died in the town of Bristol, under suspicious circumstances, leading to the supposilion that he had been poismed. I consented to make a toxicological examination of the stomach, at his request. This I commenced in his presence immediately after the presentation. The stomach was presented to me in a vessel of alcohol; both the orifices of the organ were tied with limatures, which, as I was informed, werc pat on before its removal from the body. The stomach hod not been opence; ; it was to appearance fresh, mo change nor decomposition having taken place; never. theless it appeared of a livid and unnatural color. A strong, horizontal tine divided it into wo equal portions, the lower partion heing dark. the upper opaque and not tatataral in its appeanance. With Dr. Cl's assistance I opened the stomach by a long ineision, exposing its interior. Its intermal appearanee was strikingly unhealihy, livid and inflamed, resembling the effects of acute gastritis. Its contents appeared singularly umatural, being tot less in quantity than one pint of dark colored, brownieh Alid, thick, and resembling in color and appeatance rich chocolate. The line of division spoken of before, was not so apmarent on the interior as on the exterior. The whole interior surface presented strong evidence of inflanmation; the color was livid, with lines of extravasated blood. The mucous coat was ined with the chocolate colored matter before mentioned. I detected no trace of food in the stomach, save a few filments of reddish mather resembling the skins of tomatoes.
My first chemical examination was made upon the contents of the stomach. I proceeded te analyze the chocolate colored matier. After reducing it to a transpitent solution by means of agents of known purity, I sabmitted it to the acion of a carrent of stiphat retted hydrogen. I was soon satistied, from the orange colored precipitate that was prombed, that there was smme metallic substance present in the stomach. This precipitate was not very abundant, nor of so deep an orange color as to be of the most decided chatacter. It was, however, completely soluble in caustice ammonit-a character which belongs to the sulphuret of arsenic. The evidence obtained by this preliminary trial was such as to induce farther and more critical examination as to whether the suspected substance was arsenic, aminony, cadmium, or tin-the only metals capable of producing a yellow compound with enlphur uuder the circumstances above described. 1 searched, at first. in -vain upon the coats of the stomach for unything resembling a white powder.

My next step was to take a portion of the substance of the stomach isclf, as well as of its contents. Ihis I proceeded to reduce, by means of the process of Fresenias and Vom Babn, to the state of a perfect and colorless solution. Thas process occupying several consecutive hours, was conducted with care, to avoid contamination'from every source-meanwhile, with the advantage of a strouger light. I employed myself with a more critical optical examination of the surface of the coas of the stomach, boping to detect thereby something which should indicate hie probable wase of the apprarazce before described.: On scraping the dark brownish matter from of the coats of the stomach, I objerved in several places; adhering firmly to the mucous coat of the organ, dark coured grains, resembling at first sight grains of black pepper; some
of them, however, had a metallic lustre and resembled tinfoil. On inspecting these metallic grains; it at once occurred to me that they might be metallic arsenic, or "colbalt", as this substance is absurd!y called, in the shops of the apothecary and in commerce. I accordingly aroceeded to determine by experiment the true nature of these grains. On heating some of them in a closed whe of class they were entirely volatilized, or sublimed, lining the interior of the tube with a brilliant metallic coat, whose sur. face reflected like a mirror. The exireme borders of this metallic ring were fringed with a white crystaline powder. A nother portion of these grains was in like manner volatilized, but with the access of air. To this case the dark metallic coat at first formed was rapidly changed to a white crystaline coating, which on examination with a magnifying glass was seen w consist of a great number of minute bui very brilliant eight sided figrares. Another tube, in which a portion of these metallic grains from the stomach had been sablimed and converted by the aid of heat and air. into the white crystalite lining last described, was next treated by a current of sulphurethed hydrogen gas, by which means, with the aid of heat, the whire coating was completely converted into a brilliant yellow substance, entirely resembling the yellow sesquisulphuret of arsenic, or orpiment. That no doubt might remain as to the real mature of this substance. I proceeded next to pass through the same tube a current of strong ammoniacal gas. The yellow coating was thereby immediately dissolved into a clear ransparent yeilow fluid. By the aid of a grentic heat the ammo. nia was expelled from this flaid, and the original yellow coating reappicared as before. The scries of properties here described is found in no other substance than arsinic.

The evidence above detailed is such as prodnced the strongest conviction that the substance under examination was metallic ar. senic, and that it cond be nothing else.

I'te above experinents werc conducted mainly during the in. terval of two days, in which the portion of the stomach already alluded to and its contente were in process of thansformation from the solid condition to that of fluidity. Ny next trials were made on the solution thus produced, with a view to the detection of similar evidence in it. The result, however, ilready obtained, led me to expect, that the cvidence to be derived from the muscular issues of the stomach, would be much less remarkable than that obtained on the solid contents, to wit: the metallic grains before spoken of. The solution wastreated wilh a carrent of sulphuretted hydrogen gas. In a short time a very decided precipitate, of an orange yelluw color, appeared in the solution, after standing for some hours in a warm place. This was collected upon a filter, separated from the solution, and carefully dried at a regulated temperature. A portion of this yellow precipitate was mixed with appropriate reducing agents, in a tube of hard glass, and exposed for a short time to a red brat; the neck of the vessel during this process of heating, became lined wih a dark metallictooking coating, resembling in all respects the similar rings produced by arsenic.
Another portion of this yellow precipitate produced from the solution of the stomach, was treated with canstic ammoniacomplete solution ensued. 'ilhis is a characteristic propery of the yellow sulphuret of arsenic.

I hext prucerded to try a lest which is regarded by most chemists as one of peculiar certainty. This test is known as Reinesh's irst; from the name of the discoverer. I regard it as of any $\sin$. gle tests the most satisfactory, as well from the unequivocal evidence which it yields, as from the facility of its application in cases where other tesis may give equivocal evidence. A portion of the suspected substance biade slighty acid by hydrochoric acid, and freed them from tubidness liy filtration, is boiled lor a few no. ments in contact with a slip of bright metallic enpper. If arsenic is present in the most minute quamity, the surface of the copper becomes imnediately tarnished, and assumes the color of steel more or less completely in proportion as the quantity of arsenic may be greater or less. This test was applied to the case in hand. The bright metallic copper, after a few moments boiling it, was placed in contact with a portion of the tissues of its contents thented as just described, and assumed distinctly the grey color of steel. A portion of this copper cut from the slip, was heated in a tube of glass, whereby the grey coating was immediately transferred from the copper to tha glass, lining, it with a similar metallie mirror to those which had been previonsly produced in the
tubes before described. This cuating derived from the copper, gave all the reacticns which have been described as peculiar to arsenic.

It is well known to chemists, that metallic arsenic, when heated in contact with the air, burns with a peculiar odor, which is described as the gariic-like or alliaceous odor. This character is much insisted upon by sone writers on medical jurispradence, as one of great importance. I obraiued the gatic hike odor, as well from the metallic grains found on the coats of the stomach, as trom the yellow precipitate obzained from dissolving the substance of the organ itself.
It was deemed unnecessary, after the very sufficient and convincing iestimony already obtained, to resort to any of the namerous and less satisfactory netans known to chemists for the detection of arsenic.
The production of the metallic ring; itsentire vulatiity by heat ; its conversion, by the aid of heat and air, into brilliant white octohedral crystals; the further transmuation of these, by means already described, into yellow orpiment; the solnbility of this yellow substance in ammonia; its reproduction, unaltered, upon evaporation of the ammonia; and finally the reconversion of this yellow substance, ly seducing agents, into the original brilliant metallic mirror, forms a chain of consechaivg evidence of the most satisfactory character, and such as can be produced by no"other substance in nature than arsenic.
I should regard the prostuction of the metallic mirror of the alliaceous odor, and of the white crystalline grains found in heating the black mirror, a sufficient and irrefragable proof that the suspected substance was arsenic.
I am satisfied, as the result of my research in this case, that death was produced by the administration of metallic arsenic, otherwise called cobalt or fly powder.
I was unable to form any opinion as to the quantity of metallic arsenic preseni in the stomach.
There is evidence on record that life has been destroyed by arsenic administered in doses of from three grains to as many ounces. It would probably require a greater quantity of cobalt than of the white arsenic to destroy life, since it is only the small part of the metal, which has become partly oxydised, which acts as a poison. It is remarked by writers on medical jurisprudence, that a frequent symptum from poisoning by arsenic is the secretion by the stnmach of a dark brownist chocolate-like flad, which is not unfrequently gocted by vomting, and which is found in the stomach and intestines on a postmoricon examination.

It is a well known property of areenic to act as a preservative of animal matter. Its antiseptic properties are so strong that in many cases of porsoning by thes substonec, tie stomach and irgrans of digestron have been found in a perfect state many months and even ycars after interment.
The medical testimony in this case is less satisfactory than the chemical. The patient had been unwell for some dys with symptoms supposed to be oceasioned iy simple derangenent of the bowels, accompanied thy namea and vomiting. The medical attendant was called on Thursday evering, Aug. 30, and found the patient in bed. He complained of nausca, thirst, and constant distress at the stomach, and pain in his bowels; pulse feeble and irregular ; his hands cold. He was treated with Hopkin's elixir, followed by Dover's powders, camphor, gumand sudorifics, The following day he appeared easier, and was in a perspiration. Still complaining of his stomach, an enetic was administered of R. Antim. turt. grs. ii., pulv. ipceac grs. ex.; which, fating to act, was repeated-each in three doscs.
He was not seen again untilninc oclock on Friday night, when he was in a state of collapse, with great distress in the stomach and great diffenlty of breathing; puise not percepuble; hands and feet cold and livid. He cemplained of extreme heat in the pit of his stomach, and conversed with difficulty; had a constant. disposition to vom:t, general twitching of the muscular system, and frequent alvine discharges; countenance pallid; shin cold and bedewed with a clammy sweat. Diffusible stimolants were ad. ministered, and he died about midnight following, say thirty-six to forty hours from the time he was first suen by a modical attendant.
The autopsy detected nothing remarkable in the upper viscera. The stomach, however, showed distinct marks of inflammation, ly a medial ring of vermillion red, extending aronnd it; below -
say three fourths of the organ-was dark, nearly black, colored; the upper portion healthy, It does not appear that the alimentary canal was examined. The appearance of the stomach, when ofpened, has atready been alluded to.

We certainly camot fal to recognize here several of the main features of atsenical poisoning, but of a comparatively mild type. It is not stated whether there was injection of the comjunctiva, and no medical attendant was present daring the three or four hours immediately preceding death. We are not able, therefore, to decide whether tetanic cunvulsions were developed. Nor indeed are these by any means universal in arscnical poianning, although frequenily present. "The "muscular twitehings." however. recorded in the teslimony, luok that way. No mention is made by the medical attendari as to the nature of the matter vomited -but judging from thesburdance of the dark brown tint:d matter, mixed with mucus, which I found in the stomach, we cammot doubt that this nintter was also cjected. This case presents, then, the following train of symptoms, all indicative of arsenical poisuning, vi\%: Famtness; depression; nausea, with intense burting pain in the pit of the stomach; constant thirst; pain more intense at the close; pulse very feeble at first, and wholly impercepible at last; diarrboa; muscular contractions, or twitchings; diflicult respira. tion : cold and clammy skin in the collapse ; and brown turbid seere tion in the stomach.
It is deubtful, on a review of the symptoms, whether any chat racteristic symptoms is wanting; and, certainly, when taken in connection with the chemical evidence, there can be no doubt that death was necasionct in thie case by metallic arsenic.
Louisville, Ky., Dec. 19, 1849.
Report of a case of Alleged Rape and Murder, with MiedicnLegal Remarks on the cause of Death.-By F. Ogston, i1. D., Aberdeen. At the autumn circin Court of Justiciary, held in Abrrneen last month, a case was tried which involved the double charge of rape and mardor, and which, after a lengthencd investigation, ended in the convicton of the person indicted, and his consequent exccution for these crimes on the l6th Oetober.

As this trial presented some features of a kind which seem likely to prove interesting to those members of the profession who devote a share of their attention to inedico-legal proceedings, with the concurrence and co-operation of the gentlemen principally engaged with me on the side of the crown 1 have drawn out the subjoned outline of the whole for publication in the Medical Gazetic. In doing so it will be observed that I have, in a great measure, kept separate the fatets brought under the notice of thy collonge and myself at the precugnition ${ }^{*}$ fom those elicited from the other witnesses at the trial, and for the obviots reasoms, 1st, that it was in this order that the circunstanees of the case hecane hnown to me; and Duly, that by following this arrangement, the source will the indicated frim which alone our julgment had is be formed, both at the precognition and on the thial.

My first acquaintanceship with this difficult ind important case hegan on the morning of the Ilth of April last, when Dr. James Jamieson, of Abcrdeen, Mr. Samuel Davidson, surgeon, Rayne, and myself, accompanied Mr. Simpson, Procurator-Fiseal for the comnty, to the inn at Badenscoth, parish of Auchterless. There we were first requested to examine the person of James Robb, quarrier; a stont young matu of 22 yearsof age, who was in custody on suspicion of having viblated and afterwards taken away the life of Mary Sinith, itred $\in 3$, an unomerned femate patuper living by herself in a smatl house at Redhith, in the neightmurheod. On a pair of cordurog brecches then on his person we observed some patches of dak brownish matter,* wituated near the outer seam

* The precogiliion, or preliminary inecotiration, in'scotland, which takes the place of the coroner's inquest in. England, in so far asit concerns the medical witnesses, embraces,-1st, a written repurt of the facts ohserved and the opinions drawn from these; 2adly, the written answers t', questions put by the public prose. cutor for the further elucidation of such facts and opinions. "Tho reprit is labelled on, and made a production at the trial. Tho written answers generally embrace the puints drawn out from the witnesses subsequently at the trinl.
* This hrownish matter, which was fom in part still adherent to Robb's brecehes when shown to ay on our return to Aberdcen, was so minute in quantity that it only enabled as to determine by
at the midde of the left thigh. On the left side of his face were several linear abrasions of the skin, varying in length from twi lines to three-eighths of an inch-viz. a vertical seratch or abrasion on the cheek, a horizontal seratela on the lower eyelid, a scrateh across the side of his nose, and three scratches in the angel bet ween the nose and the cheek. There was a reddish stain, threeeighths of an inch in greatest breadh, on the outside of the left breat of his shirt. In addition, we noticed an rregularly oval reddish spot, partly abraded, and vary ing in breacth fram threequariers to a quarter of an inch, on the skin on the cutidide of his right elbow; and at the right side of his prepuec ar fornskin, an irre. gular reddish, parly abraded, spot of very minute size.

Our next step was to attend Mr. Simpson :o the cotiage at Redhill, a ssoall cabin containing only one apartment. In this room, and on a woodbound bed at one end of it lay the body of a woman, which was identified as that of Mary Sinith, and which tho withnesses stated to be in the situation in which it had been found by them on the previnus day.
Smith's corpse lay obliquely across the bed in an extended position; the hair of hor liead loose and dishevelted ; the head a little bent downwards on the chest, and incluned to its left side; the lower limbs ten inches und a half apart; the right lear lent; the right arm extended from the side, the left arm bent at the eltow, aud the left hand in centact with her left side. We found the beddung much desordered; the blankels at the left side, off. and not on, the body; the berders of a cap worn by her turned back, its left thap bloody; a shawl or neckerchef abotat her neek and shoulders lonse and disarranget; the fromt of her shift doubled up from helow ; her privy parts and the lower parts of her belly expnsed, and the singie slicet on the bed lyiug at her feet erumpled and diry, as were the bed.elotics generally. We observed a bloody fluid at one of the corners of her mouth; and bioud, partly clitted and dry and partly flaid, covering tho privy parts of her person (the vulva), and flaining the bedding imme. diately underneath, as well as a pair of drawers cherly of woven wool worn by her, in the same situation. In addition to the blond at her privy parts, and the bed and drawers nenr them, there was a quantity of excrentent (feeces) on the same parts.
On proceding to inspect the body, we met with the following appzarances-viz, the joints rigid; the month opear ; the pupils dilated; the countenance natural; the tongue protruded from between the front tecih; the back parts of the corpse and the finger-naile hivid; an oval clot of hlood undet the integuments at the prominence on the lefiside of the forcheat, not exceeding half an inch in greatest breadth ; the sinuses and veins within the head anusually loaded with durik fuid ble od, the maer memterane of the brain (pia mater) showing a fine networts of injected biovdvessels; the interuer of the bran elosely studded witi bloody points, and its grey mater of a pinkish hue; a large quantity of dark flind blood in the veins of the neck and upper part of the spine; the inuath, throat, air.passagrs, and soit parts of theneck. heathy; five and a hat fitid-umenes of reddish loquid in the chest ; the lungs partly conpliysematoms, and in part $n$ gond deal congested with dark fluid biond, with frothy fuidin thicir uir-cells; the right cavilies of the heart distended with lath fuid biond; its left cavities almist enipty; the walls of the heart on its rigit side very thin, and at the ventricular part of ts lefi side very much thickened ; the liver, spleen, and kidneys, nuch conjested with dark fluid blood ; alimentary matters in the stomach; two fluid. ounces of reddists liquid in the eavity of the belly ; the womb and ovaries pale und shrunken ; the enitrance of tho vagina (or canal leading from without to tho womb) bloods; the fourchette (or
comparative trial that, like ordinary peat-sout, it contained varbon,
a volatile galt visithe under the microscope, and one or more alkaline carbonates effervescing with the mineral acids.

+ This stain was atierwards submitted to the usual chemical teate. Albumen was found in it in sparing quantity : a litte colouring inatter also subsided from the stained purtion of the thirt whien scparated and suspended in a glass tube with distilled water; but as its coloure wag bus fatitiy to be distinguirhed as red, it occurred to us that it might be well to place a little of this deposit frum the bottom of the tube in the fisld of a good microscopen The result proved very satisfactory, as not only did we thus detect fragments of the fine tubes usuatly met with in the ame circumstances in a drop of fresh.drawn blood, but also a faw bloodecorpuecles, zome of both distinctly redidencd.
fold of integuments forming the posterior boundary of the gonital fissure? cxeoriated on its inner surface ; the bodies termed carun. cula myriformes (er the small fleshy bodies placed around the untrance th) the vagina) were dark-colored, and those on the left side had two minute cints uf biood in their interior.* The exterior of the busy gencrally, ${ }^{*}$ the parts abont and within the fundament. the upper part of the spine, and the organs witho the cavitics of the body, were all healthy. The corpse was plump and well. formed, and free from pursidity.
Suci were the data affirded us, in order that we might decids from an inspection as to the mode of this poor woman's death; and to this very itaportant duty we now proceeded, keoping strictly within the limitst preserbed to ns by the terms of our remit. It spipared to ns that on the man pmint or the mode of death, a guarded and qualifid opinion alone could be safely arriv. ed at by ws. The body itseif, it was evident, prciented on dis. section mo such very decided marks of discase or of serious vio. fence as to authorise a positive cobiclusion in favor of death, eithewholly from natural causes or by means of violence alone ; bir were he appearances of diease or injury met witt on the imr spection of such a kind as to admit of our very satisfacturily determining by means of these the immediate causc of Smith's death. Apart from the marks of local violence, the state of the cavitios of the head, cherst, and belly, and oher ohvious appsarances, while they did not attherise us to exelade the pmssibility of death by coma or indirect aspiyxia, t leat us to decide that, though certainty was unatuanahbe, the probability was that death had in this caso ioen eccasioned by primary or direct arrest of the respiration, or in other words, by ordinary: asphyxia.
As to the second puint we had to determine-viz. the riolation of the woman's pe:son-we had no liesitation in saying, from the data before us, that the clot of blood under the integuments of tho forchesd, and the effused blowd, the abrasion, and the slight bruiscs ubserved atom the privy parts of tic body, while they were not. in themselves sufficienily severe to aserima for ber death, and might have hecn ;rodaed at, as well as shortly before, death; thengh most likely catased at the latter of the se periods, were, especially when taken in conjusetion with the positionin which tho woman was found by ns, indicative of vinience having been done to her person about the time of the extinction of her life.
The report irself I need not subjoin, as it merely embundied in the words of the above narrative the facts and observations above staied, wifh the cunclusions just noticed appended to it, the whole being thrown into the furm of a certificate.
In reference to Robs, our Repurt, after enumeraling the seratches on his face, elbow, and penis, the blood on the breast of his shirt, and the brownish matter resemblug soot on his breechos:
* A proma of muens, slightly boodv, found at the upper pare of the vagina, was removed, ind uechred in a sealed vessel. On nur roturn to Aberdeen we loit no time in caratining it, white stiti moist, by the method recommended by Bayard (Aun. d'Eygiane). The microscope, however, fated in shiwing any of the apermatic: epzoa in the prepared liquid.
- A litilo redncess on the inside of the right thigh proved to be a mere stain with blusd.
+ As some surprise has been expressed at our not having given further effect than we did to the moral prestampions and tho circumstantial evidence afforded by the state of the bed and bedding in this instance, I may observe that the remit, or legal warrant. merely directed us "to inspect the body, and to report the ap. pcarances on it, on the cauce of death," as founded on such insspection. Besides, in such circumstances, as has been remarked by Dr. Taplor, the dut $y$ of the medical jurist "is rigorously confined to the furnishing of medical evidence from medical ditn alone," unless specially required to make use of other evidence. (Manual of Med. Jurisp. 719). This restrietion was not remow ed even at the trial.
$\ddagger$ It will be seen a little onwards that the strict physiological meaning of the term asplyxia, as inclusive of both dircet and indirect stoppage of the brcathing, was fully brought out at the trial, a pout which, thourh now well understood in medicine, is probably new to courts of law. The term itself, thotigh a technical one, was purposely sclected in preference to its English synonym, as the eniployment of the latter wonld at once have suggested tij the jury an idea very different from the one we mant to conyey to them.
merely bore further that the abrasions of the integuments on the different parts of his body appeared to us to have been caused recently before our examination of them, and to have been the cffects of external injury.

In addition to the Report to which I have been alluding, two others were given in to the authorities by medical gentemen in the country who had seen Mary Smith on the day preceding our visit and inspection. These, however, which only beceme known to us after the trial, on which they were also produced and read, will fall better to be noticed afterwards.

On the 19 th ult. James Rold was brought to the bar of the Circuit Court of Justiciary," eharged with the offences of rape and murder, in having, on the 9 h or 10 th of April last. wickedly and feloniously entered the house of Mary smith, now deceased, daring the night, and attacked and assaulted her, and strughtug with her and striking her with his fists, or sime cother instrument on the head and other parts of the body, and, by covering her mouth and nostris, did suffucate and mo:tally injure her, so that she died immediately, und was thereby murdered. The indict. ment likewise set forth the circumstances of the charge of rape with those of the minor accusation of assault and intent to ravish included in the major proposition.
In accordance with the usual practice, the public were excluded, and the proceeding were conducted with shut dours.
The prisoner pled guilty of rape, in the expectation, had his plea been received, of having his sentence restricted to an arbitrary punishment, as is usually done in cases of this nature where no aggravation is charged, though, by the law of Scolland, rape is still held to be a capital crime. The pleit, however, was nut accepted, and the case went to proof.

From the evidence led, which was entirely circumstantial, it appeared that Robb had becn at the fair or market at Badenscoth on the 9 th of April, where he had indulged in liquor to some ex tent, and been quarelling and fighting : he had there lost his staff, but had obtained another in its place, some peculiarinies abont which rendered it easily identificd. About 10 P. M. he had left the market and procecded homewards on Fisherford, where his father resides. On his way home he had to pass the house occupied by the deceesed Mary Smith. On parting with bis companinna at the inn shortly before, he had no scratches on his face. His last conversation with thern was to the effect that he was determined that night to gratify his sexual passions, which the intimated to them in coarse terms. Smith's door was found open on the morning of the 10 th: she had been seen on the evening before in her ordinary heatth. Maters about her bed and body were in the state already described, except that, in addition, froth was ubserved about the month. Marks of corduroy were notiecd on the back and sides of the wooden "!un"" or chimney of the house. Rubb's stick was found outside the door. The wood at the back of the bed was driven out of juint. The head of a button, the neck of which was alterwards found attached to the breast of Robb's coat, was discovered in one of the fulds of the sheet on Smith' bed, On returning to his work on the $10 t i$, Robb's com. panions noticed the loss of the hution on his coat, the ecratches on his face, and black stuff below the colar of his coat, which one of them rubbed of, observing that he had sure!y been in "some. body's lum." On his appretiension the prisuner admitted, in his declaration before a magistrate, that he had gone down Sinith's chimney on the night in question to obtain a light to his pipe, af. tor vainly knocking at the door for admittance.

> (To be continued.)

Medical Jurisprudence in the Great Desert.-An enterprising traveller, M. Eugene Daumas, ex-colonel of Spahis, who lately made a journey to the kingdom of Honssa, in the interior of Africa, found that surgery was there held in considerable estima. tion, and he furnishcs some amusing instances of its importance in the decision of legal questions and family disputer.

In the city of Timimoun, it semns they give the following pithy injunction to the young bride on presenting her to her husband:-"Be silent as to his secrets. When he is joyous, do not let him see you sorrowful; and when he is sad, do not show yourself merry before him." But whether or not the young A rab ladies are in the habit of attending strictly to this precept, we are not told. We learn in the scquel, however, that if they sre not
particularly careful of their husband's secrets, they are well able. on occasion, to take care of their own.
Timimoun appears to be a city of some pretension in the Desert, as it contains five or siz hundred houses, which being each built in ins nwn garden, occupy a large space of ground. It is surrounded by a dry ditch, about a dozen feet deep, by seven or eight feet wide, and is enclosed by an cmbattled wall, on which are several small forts of wo stories high, capable of containing thirty or forty combatants a-pirce. Civilization bere is about equal, the traveller considers, to what it was in Europe during tho middle ages, or about a thousand years ago.

In this eity we are told that surgery supplies the place of a penal code. If one individual wounds another, the surgeon is called in to estimate the dmages, and these are assessed in proportion to the length and depth of the injury, which is ascertained by an instrument called the measure of blood. Questions of jurisprudence are also sonetimes decided by an appeal to the faculty, of which the following ancelote is an instance:

A woman of the caste called Berbere (a wandering tribe), had married iwo husbands, without letting either of them know that she had any other besides himself; for in the marriage contracts, sle had stipulated with one that he should never visit her, excepting between sunrise and sunset; and with the other, that he should never come till after nightall, and should depart before dayight in the morning, by which arrangement they never met. Two different cadis had attested the agreements, and, thanks to the precautions taken, nothing disturbed for some time the harmony of this family compact.
"Deux coqs vieuient en paix," said La Fontainc. It was not a hen, however, in this case, which came to destroy their peace, but an infant-ch voila la guerre allumée: She wife of two husbands was in some perplexity, but she took heart, and revealed het expectations to both, when an explanation followed, and they were not a little confounded to find themselves officially in euch a positien lowards cach oher.
"Youare mad," said one; "this woman is my wife."
"She is mine, I tell you." suid the other; "and it is you who should be pronounced mad:".
"You ure neither of you mad," interposed the wife; "each of you is my husband-you have only to observe the conditions of your agreements. Pray do not agitate me by your disputes, but await the event tranquilly."

However, a bew alteication arose about the expected infant, and in order to have it decided to which of them it should belong, they at last agreed to refer the matter to the cadi.
After long deliberation-for the question was really perplexing -the worthy magistrate hit upon a solution of the difficulty ; ho decided that if the child ware born during the day, it shon!d helong to the husband of the day; if it were bornafter dath, it should belong to him of the night. This decision was vary satisfactory, but it su liappened that the disputed infant was bornafter sunset and before dark-ihat is, during the twilight hour, which belorged to neither husband, so that tie decree of the cadi could nit be put in exccution. They then agreed to submit this new diffeulty to the juagment of the marabout. The holy man. listened to the pleadings, and ordered that the two husbands, the wife and the child, should all be brought before him, and at the same time he sent for the best surgeon in the ctty to altend with: them.

When all were assembled, the maraboit addressed the sargeon and said, "Here are thres egg shells of exactly equal size und, weight; take two of them, and fill them with the blood of the husbatids (one for each), then fill the third with blood from the infant. The doctor obeyed, and, after the opetation was com. pleted, the marabout ordered a pair of nicely balaneed seales to be brought, in which were weighed separately the first two ghells against the last. From this experiment it resulted that the bloort of one of the husbands was found to be a trific lighter than that of the child, and the other's wris exactly of the same weight with it. On thas being ascertained, the judge, turning to the latter, said, "In the name of God, I declare thee to be the father of this child: Tuke it away; it belongs to thee."

However ridiculous such a mode of arriving at a judgment may appear, it wae at least decisive, and under such circumstances, it may be fairly doubted if a whole host of London magistrates could have settled the controversy in a more atisfactory manner.London Lancet.

## MISCELLANEOUS.

 cess.-By P. B Guddard, M. D.-Having recoived recently from Earope some brautify! microwe eric preparations, comsisting of minute injections by Prof. Hyrty!, Messrs. Hett, Danrer and Thoping, I was stimulated to make an ellirt to obtain similar resulty, as they were, by Gar, finer than any which had been produred in this country. With the assislance of my friend, Dr. Neil, demmenstrator of the Usiversity of Peunsylvania, I made many experiments wilh variable results, but with such suceesz as to tead to further investigation. At last I struck upon a plan which is uniformly prodnctive of exquisitely beaniful results, and is marover easy of applicatom. For the purpnse of mak hing such an injection, the anatumist must provide himself with a smatl and good syrage ; some vermillion very finely ground in oil ; a a ghass stoppered botle, and sume sulphuric ettier. 'The prepared vermilion paint must be put into the ground stoppered bintr, and about twenty or thirly times its bulk of sulphuric ether anded; the stopiper mast then be put in its place and the whule well shaken. This forms the material of the injection. Let the anatmuist now procure the organ to lie ingeeted, (say a sheep) kiduey, which is very difficult to inject in any other way, and firms an eacillent criterion of success,, and fix his pipr in the artery, leaving the rein "pen. Having given his material a good slakik, let himpour it inte a cup and fill the syringe. Now, inject will a sly, gr, gra. dual und muderate pressure. As first, the na:ter will return by the vein coliored, but in a few monems this will catase, and no. thing will appear except the clear ether, which with distil freely foom the patulons vein. This mist be watched, and when it ceases the injection is complete. The kidhey is mow to tie placed in warm water of $120^{\circ}$ Fahrenheit, for a guater of a hosir, w. drive off the eller, when it mas be thieed and dried, or preserved in alcolun, Goadhys solution, or any other anizepeptic fluid. For glands, as the kidney, liver, \&e., it is better todry and moum the sections in Canada baixam : but for membiramas preparatimes, stmmach, imtestine, \&e, , the phan of meanting in a coll, filled with an anti-septic anhtion is preferathe.-Med. Exam.

Mechanical Lecch-This is a delicate, curiously contrived scarilicator, having the cutting points so arranged as to make a puncture simitar to a common leech-lite. A glass tube is then set over the spot, which, by withdrawing a piston, acts precisely like an air pump. In short, it is an air-exhau-ting apparatus A succession of them are applied over the same incisions, or a dozen may be adhering to different points at once, acrording to the necessity of the case. Being a Parisian invention, it is neatly made, of course, hat we doubt whether it is equal to the real living ereatures. They have a waving, compressing motion, that urges the blood along, which cannot be imitated by any ordinary mechanical contrivance. German leeches will not go out of fashion, tear as they are, till sonething superior to M. Alexandre's invention is introdaced.-Boston Medical and Surgical Journal.

## THE


MONTREAL, MARCH 1, 1850.


## IUE BRIISH AMERICAN JOURNAL.

We beg to call the earnest attention of our readers to the plan submitted in another place, to form an Associ-

[^10]ation analagous to that of the Provincial Medical and Surgical Association of England, and having simiiar objects in view. Among other matters, it is comemplated to merge the proprictorship of this Journal into that of the Association; and shonld that event be consummated, the Journal, as it now stands, ceases to exist. Having conducted the Journal for the last five years at a cousiderable pechniary sacifice, as well as that of time, and while we leel grateful that our labors, voluntarily assum. ed, have met with : such signal commendation, yet adhering to that principle which has ever guided us, that this; Journal should he, not the organ of a party, but of the Profession at large, we have no objections to urge against the contemplated change, inasmuch as it is but the furtherance of our own frequently expressed riews. The Profession of these Provinces now numbers so large, so intelligent, and in influential a hody, that it should have a Journal of its own, were it for no wher propose than the intercommunication of ideas, and the advocacy of matters of intrinsic moment to its welfare. This Journal being now an estublished one, its papers freely quoted, and being moreover widely and well known, presents at once a ready means of attaning amd promoting the end alluded to.

With the next momber, bowever, moler any circum:thances, the present series of the Brilish American Journal will terminate, and whelber a new series will he issued or not, under an altered form and new arragements, will depeml upon emrumstances originating between the present time and the midde of the ensung month. Very heavy arranges are due whe Journal by sub. seribers, which nether in equity nor faimess should be borve hy onvelces, The aflams of the Jomand will be phated in the hamls of an Accomtant, that hey may the closed afterwats as speedly as possible; but in the mean while, we would beg of our subseibers who are debited for the present or preceding volumes to remit their several amounts to the publisher without delay, for the purpose of preventing a heavy loss to ourselves in the matier of commissions.

## THE MINISTRY AND THE BOARD OF IHALTIL.

If there is one thing for which a Government should becharacterized in its dealings with the public, it is lonesty; and its liabilities are not the less, because to oltain the performance of certain important services, a stipulation as to the quantum of remuneration has not been previously made. To shift a liability on such grounds, would be stigmatized in a private individual, as unworthy and dishonorable, and that in derect proportion to the value of the services ren-
dered; but terms are wanting sufficiently to condemo an analogous procceding on the part of a Ministry, acting for a Province, the recipient of acknowledged most important services in the time of a devastating epidemic. As a question of equity, the public have no right to scrvices which its members may not individually claim without paying for them ; and we think there are few, with the exception of the present Ministry, of which the Ionorable Mr. Leslie is the mouth-piece, who will dissent from the proposition.

The Central Board of Health for this Province con'lained among its members four medical men, Drs. Nelson, Macdonnell, Deschambault and David. The last was a salaried officer, as Secretary; the first was President of the Board, but being a Member of Parliament was precluded thereby from receiving a fee for his services. Drs. Macdonnell and Deschambault applied to the Government for an equivalent for their services, and after nearly five months of procrastination and evasions, have obtained an answer, which we give below. We knew this would be the case ; for we felt satisfied, that although the Act under which the Board was constituted contained a clanse enacting, "that the expenses iucurred be the said Central Board of Health, shall be defrayed out of any monies which may from time to time be appropriated by the Provincial Parliament," among which "expenses," it was understood in the House at the time the Bill passed, that medical members of the Board were to be remunerated for their services, for the question was put by the Member for Frontenac, yet, we felt sure that if the services of medical gentlemen could be secured, every advantage would be taken to make them gratuitous, and the result has confirmed our anticipations. We are therefore not at all surprised.

We camot doubt that Mr. Leslie must have had, by this time, considerable experience in the art of writing protocols, and as in duty bound, would always endeavor to make the "worse appear the better canse." Ilis good genues appears to have forsaken him in this in. stance; and having been left to the controlling influence of his evil one, the cat jumps out of the bag in a novel and interesting way. Mr. Leslic observes, that "His Excellency is advised that your claim ought not to be entertained." Ought not! Why not; were the services rendered not worthy of compensation? No, that is admitted, as well as the "peculiar juncture" under which they were given; then, why not? Because " no such intention was entertained ty the Goyermment of any remumeration." It is a strange
argument; hut very similar to that which the high-way-man employs, with this difference, that the intention is expressed at once in the latter case, but has heen studionsly concealed in the former.
But "the Government considered the office to carry with it an honorable distinction." This is the salve to heal the wound. The honor,-the old story repeated. The Ministry must excuse us, if, following their example, we consider honor and pecuniary emolument, alias, "sweets of office" to be intimatelv blended. They have proved themselves, as others have done before them, ripe teachers; they must not be surprised if their teaching should have produced apt scholars.
Judging from the past, it is by no means an improbability that we may be revisited at an early period by the cholera. A Central Board must he reorganized; and it will remain to be seen if the Government will get medical men to forsake their practice, and attend to the dutics of such a Board, without remuneration. The Medical Commission of 1847, was paid, and enjnyed the "honorable distinction" moreover" but that of 1849, must be satisfied with the "honorable distinction" alone. We will sce how the next one is to be treated :-

Seqretaky's Offce,<br>Toronto, 11 th February, 1850.

$S_{1 k},-Y o u r$ appiication for romaneration for vour Professional services as Member of the Central Buard of IEalth, has been under the consideration of the Governor General in Conncil, and I am now commanded to state, that IIfs Excellency is advised that your chaim ought nut to be entertaned.

In the appontment of the Central Board of IIcalth, the Government assigned a salary to the medical gentleman who acted as Sccretary to the Biard, considering the duties he would have to discharge were sueh as to render it proper that he should be a Stipendiary Officer. But in offering a scat at that. Board to med. ical and other gentemen, no mention was made, as no such in. tention was cutertained by the Government, of any remuncration th be rendered for the services. The Ginvermment ensidered the oflice to carry with it an honorable distinction; which, together with the oncasion it presented of rendering service to their fellowcrealures in that peculiar juncture, would be sufficient inducement to aecept such. If expectation of pecuniary remureration was cutertained, as it appears to have been, by any of the mem. bers of that Roird, it can only bo regrected that inquiry on that point was not made at the time of the appointment of the Com. missioncrs, and thus all doubt on the mater have been presluded. I have the honor to be, Sir,
Your most obedient servant.
J. Leshe,

Sccretary.
Dr. R. L. Macuonvel.c. Miontreal.

CORONER'S INQUESTS IN CANADA WES'I.
Some of the most important dutics devolving upon medical men, are those connected with inquests, and their service as witnesses in courts of law upon points of formsic medicine. For the proper discharge of
these offices, they require to possess an intimate knowledge of anatomy, physiology, pathology, and chemistry, with strong perceptive powers, and aptitude of reasoning; their knowledge is as a barren waste, unless they are endowed with the faculty of accurately applying it. Thus gifted, they wield a power of the utmost importance to society; they protect the innocent from the accusa,tions of the malevolent at one time, and by disclosing the causes of decease promote the ends of justice at another. Educated as well for these, as other important objects, they stand prominent as the friends and protectors of the public, and have an undoubted righr to expect from that public, that remuneration for their services which is their just and proper due-they "cast their bread upon the waters," and it is right that it should return to them, even "after many a day." In this matter they seek but the same reward for the exercise of their talent,' as the members of the other two learned professions; and yet strange to say, that, which is cheerfully accorded in the wo latter cases, is either grudgingly given, or refused in the former, although infericr to neither in the benefits which it confers upon society. Why is this so? To a great extent we think it attributable to ourselves. So tew are the honors which our profession receives at the hands of the Executive, that we are ready to grasp them when offered, satisfied pro tempore with the mere distinction which they confer. This has been by far too often the case. "We have undervalued ourselves, and that we should be un dervalued in turn, is but the equivalent of that value which we have ourselves voluntarily assumed. It is monstrous to imagine that medicai witnesses are to be summoned to execute disgusting duties, and to afford important evidence touching the lives of individuals, without a fair remuneration. Their profession is their means of livelihood, and they are entitled to its fruits. Dr. Low's letter, published in our last number, sets this matter before the public in its true light; and in our issue of January 1, 1849 , will be found a letter from Dr. Reynolds, of Brockville, on the same subject. Remarking upion the absurdity of the 9 th Vic. cap. 28 , passed in 1846, regulating the payment of expenses incurred in the administration of justice in Canada West, Dr. Reynolds observes, '" that among the items chargeable upon the revenues of the Province, are enumerated the fees of the coroner who holds the inquest, and the bailiff who summons the jury, shile those of the surgeon. who really performs the most important part, are omitted."

From a letter, however, of Dr. Clark, of Whitby, in the Cobourg Star, of February 6, 1850, it would appear
that in the Home District the fees of medical witnesses were admitted and paid by the District Council. This practice contrasts strongly but most favorably with the practice of other District Councils in the Upper Pro. vince. As the law stands, the Home District Council had certainly no power to pay; and we can only remark that Dr. Clark has been exceedingly fortunate. We publish a second letter from Dr. Low, and one from Dr. Clark in another part.

If the profession be true to itself in Upper Canada, a Bill must be introduced at the next Parliamentary. Ses. sion to regulate these matters. They must generally refuse to attend inquests, unless the most distinct pledge of remuneration be afforded. The example has been set by some of the most influential medical gentlemen of St. Catherines. Let that example be faithfully and diligently followed up. We ask but our rights, and these we must and shall have.

An Act was introduced two or three Sessions ago, by the Honorable M. Cameron, for the express purpose of regulating the fees of medical witnesses at Coroner's in. quests, but it fell through. This Bill should be revived, modified as indicated in this Journal at the time. The fees granted in Lower Canada, are one guinea for an opinion, and three guineas for a post mortem examination and opinion; but no provision is made for the remuneration for a chemical analysis-this should form a distinct and separate charge, and not be less than five guineas-and the Bill should be made applicable to both sections of the Province.

We are pleased to see our Upper Canadian brethren taking the matter up; we are the better pleased at their style of managing it. We are satisfied that the question has but to be placed in its proper light, and justice will be accorded. Our columns are freely open to them for its discussion.

## TIE MEDICO-CHIRURGICAL SOCIETY.

At an extraordinary meeting of the Medico-Chirurgical Society of this City, held at their rooms on Tuesday, the 26 th ult., "for the purpose of receiving and considering a proposition for maintaining the British American Journal of Medical and Physival Science, as the property of the Medical Profession of Canada;" the following resolutions were unanimously adopted:-

[^11]an Association, the manner in which these may be realized, and to request their co-operation in carrying out the scheme."

> (Signed)

George D. Gibb. M. D.,
Sec. Med. Chir. Suciety.
REPORT OF THE COMMTTEEE.
In submitting to the careful perusal of our pufessional brethren in Ca nada, the following considerations, we feel that we have been invested by the Society, of which we are members, with an office in no wise onerous; but on the contrary, with the expcution of a daty in every way grateful to us. To exhibit to them the advantares to be derived from union and cordial co.opration, in all those matters which bear upon the interests of the profession of which they and we are members, needs no proof beyond that which is derivable from every day experience, in regard to every other class of mon engaged in the same pursuits, and having the same objects in view. "Union is streugth," is an aphorism, the truth and force of which are now ton fully recorgized by Nations, as well as by comparatively small Communities to require any comment from us.

After having for many years made fruitess attempts to draw the attention of the Legishature to the chantic condition in which the Medical profession was in this country, and to obtain therefrom some measure of relief, both as regarded the satety of society generally, in reference to the standard of education reguired of those who undertook the treatment of disease, and of themselves individually, in preventing ignorant and arrogant pretenders from assuming to themselves titles and immunities to which they had no earihly right, and qualifications and powers with which neither nature nor art ever did, or could by possibility invest them, the Medical profession of Canada East, succecled three years ago in obtaining, under the sanction of Patiament, an act for the regulation of their own aflairs, corporate, fiscal and educational. Untoward circumstances, over which their brethren in this section of the Province could excreise no control, prevented the carying out, at the same time, of the desires of the members of the profession in Ca. nada West, in the attamment of a corresponding measure. This, however, cannot be much longer withheld from them, and having obtained this great desideratum, the profession in Canada will be politically in as desirable a condition as they can possibly wish, enjoying as they will then do self-government to the fullest extent.

Turn we now from our political to our social condition. We have reason to estimate the number af licensed practitioners in Medicine and Surgery in Canada at fully one thousand, they are scattered over is surface of many thousand miles. We would fain hope, that they, like the members of other professions and bodies, are possessed of those feelings which can evidence the action of a talismanic influence, when brought into direct contact with others of the same craft. Cammot this be nurtured and enoouraged even at a disiance? We answer unhesitatingly, Yes; and by the following means:-

1. Ey the establishment of District Socictics, for the cultiva. tion of Medical science, of social and friendly interearse, and the udoption of thoso measures for mutual protection and counsel
umong their members, which the peculiarities of their respectivo residences and individual necessitics would naturally suggest.
2. By their beeoming, through these Branch Socicties, integrant parts of the Geveral Medical Association of their native or adupled country. The great objects or this Association being : to develipe the physival characters of this comatry, to dieplay its resources, to whain true statistical information, with a vicen to the probongation of life and the increase of the comfurt and hoppiness of its inhabitants, theroby attracting to it capital, either in the shate of money or muscle and nervo-to appeal to the Legisla'mre, in case if need. with a voice that must be heard, for protection of rights or redress of gricuances-to provide assistance [when hearty co-rperation shall have produced the necessary funds.] for decayed incmbers, and for those who have been dear to and dependent upon them, on the arrival of death-and lastly, to adrance the science which they all profess; and
3. By maintaining and supporting a journal peculiarly their own, comsecrated to their own interests-a medium of communication from Nowfoundland to Manitoulin-a journal which might declare to their brethren all over the world, that they have fellowlaboress in this land, who take a lively interest in all their effirta, watch and rejoice in ther progress, and claim as a right their sympathy in return.
These then, are the means, by which we feel assurod, that the social position of the Medical Profession in Canada may be improved and cherished; and it is with the view of testing the practicability of obtaining such objects that the Medico-Chirurgical Society of Montreal appeals to its sister societies and the Profession generally, to join heart and hand in the accomplishment of this design.

It is proposed that all the Medical Societies of Cana-. da shall hecome Branches of the Central one, "The British American .Medical and Surgicnl Association," -that this shall be managed by a President, a President Elect or Vice-President, a Secretary and Treasurer, and a Committee of Management. That each Branch Society shall be designated by the name of the City, Town, or District in which its meetings are held; as, for example, "the .Montreal Branch of the British American Medical and Surgical Associntion." That the Committee of Management shall consist of one member from each Branch Society, which becomes incorporated with the body, and who shall be the agent of the Association as regards that Branch, superintending its correspondence, the collection of subscriptions, original matter for publication, \&e.; that the Association shall meet annually at a City or in a District of Canada East and West alternately. The Piesident Elect to be chosen from among the members of that Branch in whose district the next meeting is to be held; that the subscrip. tion of members shall be four dollars per annum, always payable in advance, for which a copy of the Journal, hearing its name, as well as a volume of the Association's transactions, whenever published, shall be forwarded. Should the funds sanction the adopion of such a step, the Jourual may be published every fortnight, instead of as at present, every month, or its size may he increased. Physicians and Surgeons not helonging to any Branch Society, will be admitted as members of the Association, and enjoy all the privileges of ordinary members, by the payment in advance, and free ol postage, of an annual subscription of four dollars, or that portion of this sum which would (estimating from the cominenced quarter) become due at the period of the next annual meeting. Physicians and Surgeons not desiring to become mem-
bers of the Association, may nevertheless be furnished with the Journal at the rate of 15 s. per annum, on applying to the publishers, and enclosing the amount in advance, and free of postage.

These measures are proposed entirely with a view to economy; the great object being to save the expense of collection, \&e., and to apply all the funds of the Association to the interests of the profession generally, and of its members in particular.

The valuable services of the present conductor of the British American Journal of Medical and Physical Science have been offered to the Association for its editorial department; and it cannot but be admitted, that, considering the amount of labor necessary for the due and profitable performance of his duties, the delicacy of the position in which he has been placed, and the pecuniary oullay which he has borne for six years, without any prospect of remuneration, hut on the contrary, a continued liability to his publisher against loss, entitle Dr. Hall to the cordial thanks of the Medical Profession of Canada ; while the estimation among contemporary Journals acquired for that of this Province under his direction, eminently point him out as being best qualitied for continuing to fill that important office.'

In conclusion, we now earnestly call upon every li. censed Medical Practitioner in Canada, to ponder over what we have submitted to him ; and if he really feels any interest in the advancement of medical science in this country, or any regard for the prosperity of that profession of which the is a member, to signify to one of the subscribers, as carly as possible, his approval of the scheme now propounded; for, should the number of members before the lst May next, not prove sufficient to justify the carrying out of the plan; it is more than probable, that the profession of this country will be deprived of the benefits hitherto obtained by the possession of the only Journal devoted to its interests, and advocating its rights in this Colony.

$$
\begin{aligned}
\text { (Signed, } & \text { Francis Badgley. M.D. } \\
& \text { A.H. David, M.D. } \\
& \text { Wa. Sutherland, M.D. }
\end{aligned}
$$

Montreal, 97th February, 1850.
Conr Impudence.-We quote the following from the St. Catherine's Constitutional, of January 22 d , and the coolness of the proposal can only be matched by its impudence. What would these sapient jurors say, were the physicians of St. Catherine's to petition the Legislature for permission to walk into their stores and abstract therefrom such of their articles of merehandize as might suit their necessity without paying for then. We can imagine their virtuous horror, and the storm of indignation which would follow. The fable of the Gored Cow would be nothing to it. The affair is too rich to lose, we therefore ropy it :-
To the flan. the Longislufine Council, and Logislative Assembly of Canada, in Parliament assemilled:-
We, the underigned. fireman and jurymen, of the Inques! held this 19th January, 1850, on the body of Duncan McCallum, ber leave most respectfillv to Petition. That inasmuch as some of the "Members of the Medical Faculty" refuse to give voluntary evidence hefore Coroner's Jurics, and inasmuch as it is highly ne. cessary for euch Jurymen to have such medical evidence, in order
to arrive at a truc and just verdict in such cases. And inasmuch as the law now makes it incumbent on such Jurymen to serve without pay, we, your Petitioners, humbly ask of your Honorable body to pass, at the next Scssion of the Provincial Parliament, on Act to compel all and any Physician, under penalty, when sulpened by any Coroner, and when said Jurymen shall deem it necessary, to make a lost Mortem examination, and to give in their evidence of the same.
(Simned)
Gcorge Leppor, furcman; O. S. Phelps, Iliram Parkes, George Wonds, Peter Napier, John Sanderson, T. 'I'. Abraham, Asa Phelps, Juhn Copeland, J. E. Eatun, Thomas Bunting, James Harris, Ilugh Murray, James Barr.

But the whole story is not yet ind, as the following mar withess :-
Inevest--On Saturday the 19 m instant, an Inquest was held in this town, by Dr. T. Raymond, Curuncr, on the body of Duncan MoCallum.
The verdict of the Caroncr's Jury whs that deceased had been laboring under sub-acute pleuritis (inflanmation of the pleura,) resultingin offusion, aided by the use of alcohol, which caused his death!!!

We pres ane that this sapient jury obtalned the evidence of some equally sapient Doctor, and that the verdict was based upon the testimony of the latter. Who the Coroner, Dr. Raymond is, we know not, but we do think that he wasentited to express his verdict in gram. atical English. What we want to know is, whether it was the "effusion," (of water,) or "alcobol" which "caused his death." If it was the latter, then was it a strict case of felo de se, with all its legal consequences. But such results and such verdicts are a certain consequence of the anomalous posture of affirs in the Upper Province in regard to Coroner's Inquests. Asit stands the above inguest is a solemn farce, and a few more of them will attach a lasting ridicule to all Inquests.

Montreal Dispersamy.-A Dispensary has been, within this last fortnight, started in this city, the attending plysicians being Drs. Peltier, Gibb, Fenwick, R. P. Howard, Wright and Boyer. It is under eminent patronage, and has a staff moreover, of six consulting physicians. We wish it every success, and the realization of the most ardent wishes of its projectors.

## CORRESPONDENCE. <br> FEES AT CORONER'S INQUESTS.-UPPER CANADA Letetter From G. II. Low, Esq. <br> To the Elitor of the Cobourg Star.

Dear Su-Having an recently occupied a large space in the cutionns of your excellen: journal, if fel diffident in so soon again trespassing on your liberality, and were it my own personal mat. tor, you, or the public should never have been troubled with my tedious, and to most people uminteresting communication. Llav. ing applied to Mr. Murgan Jellett to asecrtain the cause of my clami being rejected, and also to inform him of the retention of Mr. Coroncr Scott's cerlificate, he with his usual promptitude and urbanity, (for which I hear ber leave publicly to thank him), replied, that he was ignorant of the cause, and that he returned ail the papers the Magistrates handed him; lowever, this letter is of litele impartance as I can procure another, hut argues much carelegatess on the part of the committec; as I am thas left in igno. rance, unfess what information I have gleaned through report, I ean only conjecture;-lif it be conomy ?, 1, Sir, have saved the District a sum which would have paid all the fees due to medical withesses emplored on luquests in the District, by preventing a Crown prosecation in the case, stated in my leticr to Mr. J. Smith, and which would probably have amonted to somo fifty or sixty pounds, and this is nut an isolated instance, I have dono so fre.
quently; so much for economy !! Again, if the Colonial law does not provide for the most necessary part of its complex structure, the law of the mother-country does, and morcover, the law of nsage is considered (I believe) by Lawyers, to be as forcible as an Act of Parlinment, and surely if the home district pay its medical witnesses, the Newcastle might follow so good an example, and I will certainly try to compel this committee to be just, for they know not how to be generous, at least it will bring the matter before the proper authorities. Enclosed you have a letter from my respected friend Dr. Richd. Clark, of Whitby, bearing strongly on this point of usage, as well as lapse of time. I will now call your full attention to the causc that report assigns for the rejec. tion of medical men's acculunts generally.
It is said that a certam Coruner had been in the habit of hold. ing inqueste, when there was neither donbt nor obscurity, and of calling in a medical gentlenan to assist him. Now Sir, no obloquy ought to be attached, nor inderd can be, to a professional man on this score, for he will noi attend without beiner called on by the Coroner, and can have no knowledre of the circumstance a priori, unless it can be proved that he had entered into collision with a corrupt Coroncr. If such was the case, why did not those persons, whose duty it was, and before whom this infamous fraud was attempted, hold up such misercants to public scorn, and not visit their displeasure on all the unuffending Ductors only, for it does not appear that the Coroners fees have been negatived, and who really must be (of necessity) the concuctors of any delinquency of this nature, that might be attempted.-If Sir, 1 reiterate, this be the cause of this"Justice Shallow" committee's re. jection of just claims, they have indirectly offered a deep insult to every member of the medical profession in the Newcastle district, and I, for myself, hurl back with the utmost indignation, the dishonest and atrocious insolence of this puff.ball conmittee of filthy dust, and which could only have emanated from men of weak heads, and worse heurts; and if the medical gentlemen of this district, remain passuve under this insinuated obloquy, all I can
say $i$, that they are not men of the mertle itook them for; they have been anticipated by the spirited individual of the neighboring district, whose fetter I have taken the liberty of asking you to publish.
I will not further trespass on your valuable time and paper, by offering common place apologica, but subscribe myself, dear Sir, verv truly pour obliged,

Darlingtion, Feb. 4, 1850.

## To Doctor Low.

Dear Sir-Secing a communication from you in the Cobourg Star, regarding the non-payment of medical men, for services rendered at Curoners Inquests, (often of the most paramount im. portance, and generally very disugrecable in their nature), I beg leave to state that your very just complaint, (rciterated over alurest the whole Province by medical anen,) contrasts so atrongly with the liberal manacr in which I iave been used, that I send you hose few lines, with my own experience in similar matters.

I, like yourselves, allowed my last accomnt agranst the fime D: strict to rom on for a time, from June 1813, to May 1847; the charges made by me were 15 s . for giving evidence before a Coroner, and $\mathcal{L 3}$ for a pust-mortem, my accuunt was atmilted, ap. proved of in full, and money sent by return of the bearer of the account.

Such discrpance in the usage of two adjoining Distr ts, has induced une to trouble you with this note.

I remain, dear Sir,
Whitby, Feb. 1, 1850.
i. W. Clark.

OBITUARY.
Died, al Toronto, on Wednesday, the 13h Fubrnary, Ilinny Sullivan, M.R.C.S.L., Professor of Practical Anatomy in the University of Toronto.

MONTHLY METEOROLOGICAL REGISTER AT MONTREAL FOR JANUARY, 1850.

| 客 | 'haermometer. |  |  |  | Barometer. |  |  |  | Winns. |  |  | Weather. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 7 А.м. | 3 р.m. | $10 \mathrm{x} . \mathrm{a}$ | Mcan. | $7 \mathrm{A.M}$. | 3 p.m. | 10 Pm. | Mean | 7 A. | Noon. | 6 p.m. | 7 A.M. | $3 \mathrm{P} . \mathrm{m}$ | 10P. M |
| 1, | $+10$ | $+23$ | +16 | $+16.5$ | 30.07 | 29.82 | 29.84 | 29.91 | S W | , | S | Snow | Suow | Fair |
| 2, | - 2 | 44 | -1 | $\because 3 .-$ | 30.18 | 30.16 | 30.05 | 30.13 | N W | N W | N W | Fair | Fiar | Fair |
| 3 , | " 2 | " 10 | $+9$ | "6.- | 30.02 | 29.85 | 29.69 | 29.85 | V | W | W | Snow | Snow | Snow |
| 4, | " 14 | " 23 | $\checkmark 15$ | ${ }^{\prime} 18.5$ | 29.71 | 29.66 | 29.76 | 29.71 | S | IV by, N | $W$ bo N | ,ere'st | Farr | Fair |
| 5, | " 9 | " 21 | 417 | "15.- | 29.80 | $\because 9.77$ | 29.78 | 29.75 | N | N | N | 'erc'st | Fair | Pair |
| 6, | " 5 | " 13 | $\because 9$ | -. 9.- | 30.21 | 30.31 | 31.26 | 30.27 | W | W | W | Eair | Vair | Pair |
| 7, | ${ }^{6} \mathrm{G}$ | " 12 | $\cdots 12$ | " 9.- | 30.13 | 30.00 | 29.95 | 30.03 | W in N | N W | N W | Perc'st | Snow | o'erce'st |
| 8 , | " 13 | " 13 | " 8 | ${ }^{4} 13 .-$ | 29.96 | 30.01 | 30.117 | 3002 | N | N | N | Fiar | Fair | Puir |
| 9, | " 11 | - 31 | " 28 | "21.- | 29.98 | 29.58 | 29.62 | 29.73 | S ${ }^{W}$ | S W | $\stackrel{\text { S }}{ }$ | Fair | Snow | Fair |
| 10, | " 2 | " 10 | " 6 | "6 6.- | 31,22 | 30.20 | 30.16 | 31.19 | N $\mathrm{N} W$ | N N W | $N$ N W | Fair | Fair | Fair |
| 11. | " 5 | -17 | " 29 | "11.- | 29.90 | 29.12 | 29.90 | 2951 | W | $N$ | N | i'erc's1 | Snow | slect |
| 12, | " 26 | " 33 | " 19 | $\because 245$ | 29.18 | 29.24 | 29.51 | 29.31 | ${ }_{\text {S }} \mathrm{E}^{\prime}$ | S | S | Fair | o'erc'st | Fair |
| 13, | " 4 | " 9 | $\cdots 3$ | ". 6.5 | 30.06 | 30.13 | 31. 26 | 30.15 | W | W | w | Fair | Fair | Pair |
| 14, | . 3 | " 11 | "10 | " 4.- | 30.37 | 30.33 | 30.35 | 30.37 | W | W | W | Fair | Fair | Fair |
| 15, | 5 | 426 | "12 | $\because 10.5$ | 311.36 | 30.25 | 30.08 | 34. 23 | N | N | N | Fair | Fair | Fair |
| 16, | +15 | " 22 | $\cdots 11$ | " 18.5 | 99.93 | 29.91 | 29.95 | 29.95 | W | W | W | Fair | Fair | Hazy |
| 17, | . 12 | " 20 | "19 | " 16.- | 29.95 | 29.77 | 29.66 | 29.79 | N | N | N | - 'erc'st | Snow | Snow |
| 18, | " 20 | " 27 | "22 | "23.5 | 29.6 .5 | 29.50 | 29.64 | 29.61 | N | N | $N$ | Cloudy | c'erc' | Fair |
| 19, | ${ }^{4} 2$ | " 21 | " 24 | " 21.5 | 29.77 | 29.96 | 30.07 | 29.93 | N iV | W | $N$ | Fair | Fair | Fair |
| 20. | - 17 | " 25 | " 14 | " 21. | 30.17 | 3010 | 30.10 | 30.12 | iv N W | W N W | $\cup$ N W | Fair | Fair | Fair |
| 21, | 17 | * 19 | - 23 | "13.- | 30.05 | $29.7 \%$ | 23.54 | 29.78 | IV in W | $W$ N W | E.by S | Fuir | Snow | Fair |
| 22, | " 26 | " 38 | "32 | "32.- | 29.42 | 29.42 | 29.69 | 29.51 | E bvs | F S E | W N W | Snow: | Snow | Cloudy |
| 23, | $\checkmark 29$ | " 35 | "25 | " 32.- | 29.76 | 30.08 | 30.29 | 30.01 | W N W | W N W | W N W | Fair | Fair | Fair |
| 24, | "19 | " 23 | " 22 | " $21 .-$ | 30.25 | 30.13 | 29.96 | 30.11 | W N W | N W W | W | Fair | Fair | Fair |
| 25, | ${ }^{\prime} 34$ | $\because 43$ | " 36 | - 33.5 | 29.62 | 29.63 | 29.78 | 29.68 | S | S | W | Rain | Fair | Fair |
| 26, | "28 | ' 35 | " 20 | - 31.5 | 29.82 | 29.75 | 2960 | 29.72 | W | W | W | Fair | Fair | Faic |
| 27, | $\because 32$ | " 37 | $\because 31$ | "31.5 | 29.25 | 29.35 | 29.55 | 29.38 | S W | S W | S W | Rain | Fair | Fair |
| 28, | - 23 | " 25 | "19 | " 21. | 29.69 | 29.60 | 29.5. | 29.61 | ${ }^{N}$ | N | W | Fair | n'erc's 1 | Snow |
| 29, | " 15 | "23 | ${ }^{414}$ | "19.- | 29.72 | 29.87 | 30.07 | 29.89 | N W | N W | viv ${ }_{\text {W }}^{N}$ | Fair | Fair | Fuir |
| 30, | " 8 | - 20 | "99 | "14.- | 30.30 | 30.37 39 | 30.39 | 30.35 | W by N | W by N | $\mathrm{V}^{\mathrm{N}} \mathrm{w}^{W}$ | Fair | Fair Fair | Fuir |
| 31. | -2 | "17 | " 16 | 75 | 3038 | 2997 | $\because 980$ | 30.05 |  | NW | N W | Fair | Fair | lo'erc'st |

Therm.
$\left\{\begin{array}{l}\text { Max. Temp., }+43^{\circ} \text { on the } 25 \mathrm{th} \\ \text { Min. }\end{array}\right.$
Mean of the Month, +18.5
Barometer, $\left\{\begin{array}{l}\text { Maximum, } 30.39 \mathrm{In}, \text { on the } 30 \mathrm{th} \\ \text { Minimum, } 2918, ~\end{array}\right.$
Mean of Month, 29.893 Inches.

> Do do at $7 \mathrm{am}, 26,87\}$ Var．， 4.9
f Do on 10th， 0.360 ；11th， 0.265 ；16th， 0.115 ；2tst， 0.350 ；24th， 0.160. －Mean， 1.250 ．

By wex N wix B
 O＝＝N


$\qquad$

$\qquad$
Gowing ond



|  | ${ }^{18^{\circ} 9}$ | $\frac{\text { sil }}{}$ | seat ${ }^{\text {a }} 01$ |  |  | 98 |  |  | at |  |  | $\varepsilon 1^{-}$ | $9266 z^{1}$ | 2 |  |  |  | 2896\％ | 6 U | $6 \tau$ | raw |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| eqy 4 Supays Binp azey $2!$ wn $L$ ill 30 <br>  |  |  |  |  | ${ }^{6 L^{\circ}}$ | 1 | LL | ${ }^{766^{\circ}}$ | 㐋 | \％LI＇ |  |  | ₹＇¢¢ | 768 |  | 86 | T18＇6\％ |  |  |  |  |
|  | 二 | Gspor | OSA |  | ${ }_{80^{\circ}}$ | $28^{\circ}$ 06 | ${ }^{96} 6^{\circ}$ | ${ }^{98}{ }^{\circ}$ | Lí | ${ }^{981}{ }^{\text {92 }}$ |  | $810^{\circ}$ | 8.92 | \％ 88 | 7.08 | ${ }^{8} 8 \mathrm{E}$ | 27860 | ci 96060 | Cill 08 | ${ }^{2688^{\circ} 6 \%}$ | İ |
|  <br> wd 011 B yonu | 08 | $\mathrm{N} \times$ | NSq H | ${ }^{\text {a }}$ | ${ }_{16}$ | ${ }_{96}{ }_{6}$ ． | ${ }_{66}{ }^{\text {L }}$ | ${ }_{62}{ }^{\text {8 }}$ | ${ }^{881}$ |  |  | 矿 ${ }^{\circ}$ | ${ }^{6}$ | 2． | $\underset{\sim}{2} \mathrm{LZ}$ | $8^{8} \mathrm{~F}$ \％ | ${ }^{826.6 \%}$ | $\mathrm{z}^{6} 0^{\circ} \mathrm{O}$ | ${ }^{8} 6^{\circ} 6{ }^{\circ} \mathrm{C}$ | t6L．6\％ | 67 |
|  |  |  |  | S9． M |  |  | $86^{\circ}$ | ${ }_{86}{ }^{62}$ | 68 | 切 |  |  | －2\％ |  | 828 | \％ 78 <br> 9.88 <br> 8.8 | \％97．6\％ | 98 －6\％ | ${ }^{90 \%} 6{ }^{\circ} \mathrm{F}$ | ${ }^{009^{\circ} 6 \mathrm{~F}}$ | 8 |
|  <br>  |  | d |  |  | 88 | $6^{\circ} 6^{\circ}$ | $28^{\circ}$ | $18^{\prime}$ | \％LI | 00\％ | 981 | L81 | 6.88 |  | \＆ | ${ }_{9} 98$ | a¢g＇e\％， |  |  |  | 27 |
|  |  | $\mathrm{G}^{\mathrm{Sq}} \mathrm{g}$ | N | ${ }^{N}$ |  | $88^{\circ}$ | $\stackrel{0}{9}^{\circ}$ | $26^{\circ}$ | ${ }^{981}{ }^{\circ}$ | ${ }^{6} 9$ |  |  | $\tau<28$ | $9 \%$ | 8＇现 | $0{ }^{6} 68$ | E99＇6\％ | 992 | 899 |  | go |
|  |  |  | T ${ }^{\text {S }}$ | ${ }^{\text {un }}$ | \＆8 | 06 | $25^{\circ}$ | 88． | $6_{61}{ }^{-}$ | ${ }^{7} 0 \tilde{C}^{\circ}$ |  |  |  |  |  | 9＇$¢$ | 99＊6\％ | $98{ }^{6} 6$ ¢ | \＆\＆L 6 |  | \％ |
|  <br>  |  |  |  | 5 Sqa | SL | L | ${ }_{L}^{8}$ | ${ }_{98}^{48}$ | ${ }_{\sim}^{81}$ | ${ }^{\text {Gq，}}$ | ${ }_{681^{\circ}}$ | 01 | \％＇18 | 0 ＇זe | ${ }^{7} 78$ | キ7\％ | 916＇tic | ${ }^{\text {89 }} 66^{\circ} 6{ }^{\text {a }}$ | $0^{096}{ }^{6} 6$ \％ | ¢ $6^{\circ} 6{ }^{6}$ | 20 |
|  |  |  |  | ¢q ${ }^{\text {d }}$ | $68^{\circ}$ | $98^{\circ}$ | 16 | 96． | S81－ | ${ }_{161}{ }^{\circ}$ | ${ }_{961}$ | 81 | ${ }_{8} 98$ |  | 9 | $7{ }^{\text {\％}}$ | ${ }^{\underline{L} L^{\prime \prime} 6 \%}$ | T $2 \cdot 6 \pi$ | $98 \%^{\circ} 6 \mathrm{Gz}$ |  | ส\％ |
| soneds abejo ：isconano Ansonf <br>  |  | ${ }^{3}$ |  |  |  |  | ${ }^{\text {c．}}$ | $68^{\circ}$ |  |  |  | 0 ¢ |  |  | L＇E |  | 90060 | 2906 |  |  | 年 |
|  |  | 11 ¢q N | \％ |  | 88 | ${ }^{78}$ | ${ }^{\text {c9 }}$ | $78^{\circ}$ | ${ }^{9 \pi 1^{\circ}}$ | III＇ |  |  | 8＇s\％ | İ\％ | 878 | デT | て98＇6\％ | c66 | 196．6＊ |  | cr |
|  |  | 1 |  | $\mathrm{N}^{\mathrm{Sq}} \mathrm{H}$ | 0 |  | ${ }^{0} 6$. | ${ }_{76} 8^{\circ}$ | ${ }^{28.1} 1^{\circ}$ | ${ }^{\text {cei }}{ }^{\circ}$ |  |  | ${ }^{6.65}$ |  | 8. | $9 \cdot 18$ | 969\％ 6 \％ | 7\％＇ | 69\％ $6 \pi$ | cg\％ 6 \％ | 81 |
|  <br>  <br>  |  |  | S Sy als | ${ }_{\text {It }} \mathrm{Sq} \mathrm{M}$ S |  | 28 | $\left.\right\|_{26} ^{4}$ | ${ }_{8}^{19} 6^{\circ}$ | ${ }_{\text {LL }} \mathrm{Cl}^{\text {¢ }}$ | ${ }^{\text {cli }}{ }^{\text {c }}$ |  |  | \％$\%$ c |  |  | \％${ }^{\text {a }}$ \％ | LOG＇6 | चss．6z | 995\％ 6 \％ | 92以 | 2 T |
|  |  |  |  | H－N | $6 L^{\circ}$ | 08 | ${ }^{28}$ | $4{ }^{8}$ | ${ }^{221}{ }^{\circ}$ | ${ }_{\text {IT }}$ |  |  |  |  |  | \％ | ${ }^{889} 6{ }^{\text {a }}$ | $1996 \%$ | LS9 ${ }^{\circ} 6 \mathrm{G}$ | SL9 | 91 |
|  |  |  |  |  | ¢8 | $88^{\circ}$ | $6 L^{\circ}$ | $62^{\circ}$ | 980 | 980 |  |  | $6 \cdot 2$ | \％＇91 | －${ }^{\text {\％}}$ | $8 \cdot 0$ |  | モ¢ | t®8＇6\％ |  |  |
|  <br>  | － | 11 N | N 89 | N |  |  | 176 |  |  |  |  |  |  |  | 6.05 | S SI |  | 96 | 106 | 110 |  |
|  <br>  | 1 |  |  |  |  |  | 59 | 12. | $2 \mathrm{II}^{-}$ | $980^{\circ}$ | 0 OL | 981 | 8．9\％ | $8{ }^{\circ}$ | ๕ั¢ | $\pi$＇98 | 989\％6\％ |  |  |  |  |
|  | 4 |  |  |  | 96 | $\stackrel{16}{86}$ | ${ }^{96}{ }^{\text {s．}}$ | $128^{\circ}$ | $60{ }^{6}$ | 012． | $0 \div$ | $08 \mathrm{I}^{\circ}$ | T＜28 | $9 \cdot 98$ | 188 | ${ }_{9} 98$ |  |  | \％$=16$ |  |  |
|  |  |  | $11 S_{4} \mathrm{M}$ | A S |  | ${ }_{88}$ | 88． | ${ }^{06}{ }^{\circ}$ | ${ }_{\sim}^{\text {cig }}{ }^{\circ}$ |  |  |  |  | 9.27 | c． | 6 Cm | 0L9．6 | ¢L9 $6 \%$ | キ9LGE | L060\％ | 0 t |
|  |  |  |  |  | 88 |  |  |  | ${ }_{\text {\％F．}}^{\text {ar }}$ |  |  |  | T＇8． | ${ }_{0}{ }^{\circ} \mathrm{O}$ | \％ 28 | \％ |  | 96L＇6z | ${ }^{609}{ }^{\prime} 63$ | LLCOE |  |
|  |  |  |  |  | ${ }^{\text {c }}$ | 16. | 62. | ${ }_{168}^{68}$ | ${ }_{\text {¢ }} \mathrm{I}^{\text {＋}}$ | ${ }_{\text {¢91．}}^{\text {ç }}$ |  | ${ }^{605}$ | C． 87 | 90 | 8． | \％ | col | $0^{669} 0^{\circ} 6$ | \％ $2 \cdot 6$ |  | 8 |
|  <br>  <br>  |  |  |  |  |  |  | 162 | If |  |  |  | ， |  |  |  |  |  | 10966 | 129 | 62 | 2 |
|  |  |  |  |  | ${ }_{\text {c }}^{62}$ | 69 | ${ }^{C 2}$ | $\underline{L 8}{ }^{\circ}$ | $860^{\circ}$ | $850^{\circ}$ |  | c60 | \％$\tilde{\sim}$ | \％ 8 c | 1祘 | －81 | 192：67 | L18\％ 6 | 002．6 | 989 |  |
|  |  | S $\mathrm{Sq}^{\mathrm{Sq}} \mathrm{M}$ | MS M | Stal S | ${ }_{8}$ |  | \＆9 | \％8 | 160 | 68 |  |  | $9{ }^{\circ}$ | － | ${ }^{9} \cdot \mathrm{~T}$ | $88 \%$ | cLG | 1096\％ | Cis 6 \％ | ¥6\％6\％ | \％ |
|  | 90 |  | $\mathrm{M}_{1} \mathrm{~S}$ |  | $2{ }^{\circ}$ | ¢8 | $\tau 6$ | Q | ${ }_{\text {\％}}^{60}{ }^{60}$ |  |  |  |  |  | 9 ct | \％ | E89 | 067＊6u |  | $\angle 89$ | 8 |
|  |  |  | M S | M 49 MS | $2{ }^{\circ}$ |  | $92^{\circ}$ |  | 16 | 20 |  |  |  |  |  |  | ${ }_{808}^{88}$ | $18 L^{\circ} 6 \mathrm{G}$ | 88L | 988＇6\％ | ${ }^{6}$ |
| y3hava M | 昆言 |  |  |  |  |  |  |  |  |  |  |  |  | W•d 01 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ${ }^{\text {HeJ }}$ | d | d | ${ }^{\text {N－}} 2$ |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# AMENDEMENTS PROPOSES 

## AUX

## - REGLEMENTS DU COLLEGE DES MEDECINS ET CHIRURGIENS DU

BAS-CANADA.

L'AVIS suivant est donné conformément aux statuts 1 du Collége, qui exigent que les amendements proposés à ces mêmes statuts, soient publiés durant six mois, avant l'assemblée Triennale où ils seront prisien considération.

A une assemblée du Bureau des Directeurs du Collége des Médecins et Chirurgiens, tenue dans la Cité de Montréal, le neuvième jour dंoctobre, mil huit cent qua-rante-neuf, il fut
Proposé par A. Hall, M. D., secondé par A. H. Da vid, M.D., et résolu, que les amendements suivants sux statu s du dit collége, seraient proposés pour être adoptés à la prochaine asssemblée Triennale de la corporation, qui a ura heu dans la ville des Trois-Rivières, le second mercredi de juillet prochain, étant le dixième jour de uillet mil huit cent-cinquante.

## AMENDEMENTS.

## BURRAU DESDIREGTEURS.

§ 1 Au§ 1 , substituez le suivant-"Les affaires du collége seront conduites par un Bureau de Directeurs, au nombre de trente-six, dont quinze seront élus d'entre les membres du Collége dans les Districts de Québec et de Gaspéquinze d'entre ses membres, dans le District de Montréal, trois d'entre ses membres dans le District des Trois-Rivières, et trois d'entre ses membres dans le District de St. François, et pas plus ni moins de huit membres de ce dit Bureau de Directeurs, ne pourront résider dans la cilé de Québec, et ni plus ni moins de hait ne pourront résider dans la cité de Montréal."
§ 9. Après les mots "certificats" ajonte\% "et des licences" et pour " jusqu'a ce qu'elles aient ćté duement terminées" substituez "durant le premier jour de sa session."

## officiers du college.

§1. Ajoutez ce qui suit, "Et qu’il soit entendu que s: le President réside dans l'une ou l'autre cité, le Vide-Président peut être élu d'entre les directeurs résidant hors dc la ville; et vice versâ, si ie Vice-Président réside dans l'une ou l'autre cité, le Président peut être élu d'entre les membres du Bureau non résidants dans les villes."

> DES MEMBRES.

Retranchez le préambule.
§1. Remplacez le §1 par le suivant, "aucur de ceux qui ont obtenu une licence depuis la passation de l'acte en amendement ( 30 mai 1849) ne pourra être reçu membre du Collége des Médecins et Chirurgiens, avant l'expiration de quatre années.
§ 2. Ajoutez ce qui suit, "lequel document sera présenté an secrętaire, aumoins dix jours avant l'assemblée scmi-annuelle."
§5. Au § 5 substituez le suivant, "Toute personne proposée comme membre, sera considérée élue, si elle recoit la majorité des totes des Ditecteurs présents au Burean."
§7. Au lieu de "certificat d'agrégation" lisez" "Di plôme d'agrégation."

## des licencies.

§1. Au $\S 1$ substituez le suivant, " Les licenciés ont droit a la qualification de Licenciés du Collége des Médecins et Chirurgiens du Bas-Canada."
§3. Au §3 substituez le suivant, "Le Diplôme des Licenciés sera signé par le Président et le Régistrateur et par le Vise-Président et le Secrétaire du District où se tiendra l'assemblée, et sera revètu du sceau du Collége."

## des assemblees.

\$ 1. Pour "Québec" substituez " Montréal" et pour " Montréal" substituez "Québec.
Ajoutez le statut suivant.
§4. Le Bureau des Directeurs pourra, s'il le juge a propos, députer des comités, composés de pas moins de trois membres du Bureau, dans les Districts ce Québec et de Gaspé, de Montréal, des Truis-Rivières et de St. François, pour former des Bureaux d'Examen relativement aux Cualifications préliminaires des candidats' pour l'admission a l'étude de la médecine, et les dits Bureaux u’Eamens tiendront leurs séances dans le but spécifié, dans le temps et au lieu qu'ils jugeront convenabies, en donnant avis de leur intention aumoins quinze jours d'avance, dans quelque journal public du District, avec les circonstances mentionnés dans le troisieme règlement. La dite notification de l'assemblée devra être signée par l'un des secrétaires de District.

## des honoraires.

Ligrne 2, pour "certificat" lisez " Diplôme."
Retranchez in toto la ligne 3 ayant rapport a l'enregis. trement des membres.
Ligne 5, pour "certificat recommandant pour licence" lisez " honotaires pour licence."
Ajoutez le statut suivant.
§2. Tous candidats pour licence ou tous étudiants se proposant de subir leur examen préliminaire devront, en présentant leurs tîtres au secrétaire, déposer entre ses mains le montant des honoraires dûs au Collége dans le cas d'un examen satisfaisant.

REGLEments.
§1. Pour "un certificat de licence" substituez'slicence."

# PROPOSED AMENDMENTS 

## BY-LAWS OF THE COLLEGE OF PHYSICIANS AND SURGEONS OF

## LGWER CANADA.

IN accordance with the provision of the By-Laws of the Cull ge, requiring six month's publication of proposed amendments to any of the By-laws, previous to the Triemial meeting of the College, at which they will be considered, due notice of the following is hereby given.

At a meeting of the Board of Governors of the College of Physicians and Surgeons, held in the city of Montreal, on the ninth day of October, one thousand eight hundred and forty-nine; it was

Proposed by A. Hall, M.D., seconded by A. H. David, M.D., and resolved, that the following amendments to the By-Laws of the said College, be submitted for adoption at the ensuing Triennial meeting of the Corporation, to be held in the town of Three Rivers, on the Second Wednesday of July next ensuing, being the tenth day of July, one thousand eight hundred and fifty.

## AMENDMENTS.

BOARDOF GOVERNORS.
§ 1. In place of $\S 1$, substitute the following-" The affairs of the College shall be conducted by a Board of Governors, thirty-six in number, fifteen of whom shall be eleeted from among the members of the College resident in the District of Quebec and Gaspé-filteen from among its members resident in the District of Montreal-three from among its members resident in the District of Three Rivers, and three from among its members resident in the District of St. Francis; and of the said Board of Governors, neither more nor less than eight shall be resident in the city of Quebec, and neither more nor less than eight shall be resident in the city of Montreal."
§ 9. After the words "certificates" insert "and licenses;" and for "until it shall have been dnly closed," substitute "during the first day of ite session."

> orficers of THe vollege.
§ 1. Add the following, "It bing understood that when the President resides in either city, the Vice-President may be elected from among the Governors residing out of the city; and vice versa, if the Vice-President resides in either of the cities, the President may be elected from anong the members of the Board not resident in the cities."

## OF MEMBERS.

Omit the preamble.
§ 1. Instead of § 1, substitute the following, "No one who has obtained a license since the passing of tic act of amendment (May 30. 1849), shall he admitted a member ot
the College of Physicians and Surgeons, until after the ex-: piration of four years."
§ 2. Add the following, "which document must be handed to the secretary, at least ten days before the semiannual meeting."
§ 5 . Instead of $\S 5$, substitute the following, "Every person proposed as a member, shall be considered elected, by receiving a majority of the votes of the Governors, present at the Board."
§ 7. For "certificate of meinbership," read, "diploma of membership."

> of licemptates.
§1. For § 1 substitute the following, "Licentiates are entitled to the appellation of Licentiates of the College of Physicians and Surgeons of Lower Canada."
§3. For § 3 substitute the following, "The Diploma for Licentiates shall be signed by the President and Reristrar, and by the Vice-president, and Secretary of the District in which the meeting is held, and shall have the seal of the College affixed thereto."

## of tife meetings.

§ 1. For "Quebec" substitute "Montreal," and for "Montreal" substitute "Quebec."

Add the following By-law.
§4. The Board of Governors may, if they see fit, iepute Committees, consisting of not less than three members of the Board, in the districts of Quebec and Gasie, Montreal, Three Rivers, and St. Francis, to be Boards of Examination in regard to the preliminary qualifications of candidates for admission to the study of Medicine; and the said Boards of Examination, shall hold their sesstons for the purrose specified, at such time and place as they stall see fit, giving at least fifteen days notice of their intention so to do, in some public journal published in the District, with the circumstances specified under by-law 3. The said notification of meeting to be signed by either of the District Sectetaries.
of cui fees.

Line 2 , for "Certificate" read "Diploma."
Line 3 , omit in toto, having reference to the enregistration of members.
Line 5, for "certificate recommending for License," read " fee for Licentiates."
The following to be a $B y-l a w x$
§ ₹. All candidates for license, or intending students proposing to pass their preliminary examination, shall deposit with the secretary the amount of fees due to the College in the event of successful examination, at the time. that they hand in their siedentials.
aegulations.
§ 1. For "a certificate of license," substitute, "license."


[^0]:    *Medical Gazette or 1836.

[^1]:    * Since Dr. Watson's paper was published, I know of only three casef, one by Mr. M•Whinnic, one by Mr. Snowden, and one by Mr. Clapp, in a late number of the Medical Gazette, in none of which was the position of the viscera detected.

[^2]:    de toutes sortes de Chancre, Cancer, $f$; but as he readily im. posed upon the credulity of his patients ity transformung every Jivid pustule, or hard tumour into Charbun, cancer, 世e., he as generally succeeded in dispelling them by his universal spplication of a strong solntion of sulphate of zine; and we therefore need not wonder that his reputation extended far and wide, and that his services were sought after as well by the intellectual as unintellectual, and by the rich as by the poor, and, I may add, by no less an illustrious personage than a Governor-General of B. N. Americs, \&ce.

[^3]:    * To the admirable and excellent Curates of our country parishes, the following language of the illustrious Vieq. d'azir may be justly applied-Honore de ia confiance du peuple, et ne perdan: jamais de vue le tableau dechirant des miseres humaines, goute chague jour le plaisir d'essuyer des larmes et de soulager des malheureux, dont les maux physiques ne sont pas toujours la plus grande infortune: ! Ce n'ect point par leurs ecrite, ce n'est point par quelques-unes de leurs actions, c'rst par leur vie catière qu'ils ent des droits à noo éloges. Leur réputation se fonde autant sur leur vertu que sur lear eavoir ; hers les temps de calami. tó penciant lesquels leur zèle n'a point de bornes, tuates leurs journees se ressemblent, ct l'on peut dire d'cux summo des hommes simples et bon'au milieu desquels ile sont placés,--' nultre, faire la bien et mourir, voilz toute leur histoire.'

[^4]:    * "I am at a loss to conccive what punishment or 'curse' could be implied in the words which the learned Professor (Simpson) considers to to the proper translation of the Hebrew word etzebh "wihh muscular effort' or ' with toil shalt thou bring forth." " niv. Charlis Waller in the London MLelical Times, $10: h$

[^5]:    * "Each so called labnur-pain, consists uf wo distinct and sepe rate clements, viz., first, of eontraction :s the uterus aud ctherassistant muscles; und sectintly, of scusations of pain, morre or less agonizing, accompanying thesc contractinns, and ita ectly resulting from then."- "It is worthy of remark anai wonder that the language of the Bible is, on this, as on other pomes, strictly and scicntifically correct, and long agr' made, with perfect precision, the very distinction which we are nowaduys only recognis ing. For the Hebrew noun elzebh distinctly signifies the muscular contraction or effort, and the nouns hhil (לr) and hiebe(har) as distinetly signify the sensations of pain accompanyingl these cffurts."-Anesthesia, p. 12.4.
    $\dagger$ And which may be regarded as in the most distant way productive of any of those circumstances which are regarded by the medical faculty as endangering the life of the infant. For a comprehensive statement of these, sce an "Inaugural Dissertation on the Medico.legal Proofs of Infanticide," by our talented friend Dr. David, of Montreal.-P. 42, et'seq, and moro particularly on p. 45 , par. 2.

    I See "Anasthesia" by Dr. Simpson.

[^6]:    * Many Israelites objected to inoculation on religious grounds. fome (in Holland) in the memory of a relative of the writer of this note.
    $\dagger$ The History of Small Pox. By James Moore, ap. The Marveian Oration for 1846. delivered by Dr. Etlintson before lise R-yal College of Physicians, London.'

    $$
    \ddagger \mathrm{P}_{\mathrm{y} .} \text { calvii. } 3 . \quad \text { §Ps. ciii, } 3 .
    $$

     stiousness or lethargy, in contradistinction to natural sleep.

[^7]:    - Dr. Elliotson's Human Phyeiology: page 819.
    $t$ The remark has been made in a deprecatory strain. by one well known for his accomplishmentsas a Hebrew scholar and critic, that although God said, "And be shall rule, [Yimshol] (the Kal or active form, over thee," the rext is now read by some as if it were, And he [Yimashel] (he Niphal or paesive form,) ball be ruled by thee"

[^8]:    * Ex. xxii. 20-27.
    + Ezek, xviii. 32
    $\ddagger$ Lsai. xlix. 15.
    § Ex. sxxiv. 6 .

[^9]:    "The observations of Dr. Prout, made in London in the year" 1832, seemed to indicate the presence of a foreign body in the atmosplere at that time and place-presenting itsolf simultancously with the appearance, and continuing throughout the daration of the cholera in that year. Assuming the correctness of Dr. Prout's experiments, and that the existence of the same diecase amongst us at the present time, would be probably attended with a similar change in the condition of the atmosphere it seemed de sirable to institute rigorons experiments upon the subject. Therefore determined to submit large masses of air to such processes, as would be calculated to insulate from it, and present in a sepas

[^10]:    *' Ihat which I have used was obtained aheady preparid in tin tabes, at J. W. Williams', No. 37, Nerth Sixth Striet, who has obligingly assited me to obtain the finest col rs.

[^11]:    "That an Association be now formed, under the name of the - British American Medical and Surgical Arsociation,' to conkist of a! the District Socicties at present existing, or which may hereafter he formed in this Province, the members of which shall concur in the general objects to be subsequently enunciated."
    "That Drb. Badgley, David and Sutherland, be a Committee, to submit to the inembers of the Medical profession of Canada, a prospectus of the objects to be attained by the formation of such

