## 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.

## TIIE

## MEDICALCHRONICLE.

## ORIGINAT. COMMUHICATIONS.

ART. IV.-On Gangrene of the Lungs. Delivired at General Hospital, January, 1857. By R. P. Howard, M.D., \&c., Professor Clinical Medicine, and Medical Jurisprudence, McGill College, \&c., \&c.
Gentlemen,-In to-day's lecture your attention will be directed to the peculiarities prevented by the case of Doyle who has beet under your observation now for over two months, and whose chest you havs frequently examined under my superiision. Before making any comments, let me read the notes taken by Mr. Levi Churct.*

November 6th, 1850, John Doyle, æt. 36, laborer, admitted into Mostreal General Hospital, on 17 th Oct., 1856, under Dr. Wright, for cough, \&c., who was succeeded by Dr. Howard on the 1st November, states that he bad always enjoyed good health until abolt 7 months ago, when he canght a severe ccid, while driving during a rain-storm, a distance of 8 or 9 miles in an open waggon, in Western Canada. He did not remove his wet clothes till bed time, and the next day he felt oppressed and heary; this was succeeded by some fever and prostration, and abont the fourth day by copious expectoration of a horribly offensive character. Though feeling very ill he endeavoured to keep out of bed, as he was in quest of employment, and about the eighth or ninth day he actually attempted to work one day, but was obliged by indisposition to desist. The cough,

[^0]foetiò expectoration and general prostration continned, and about a week later an abnodarts spitting of blood was superadded. This hoemorrtage induced him to enter the Toronto hospital, where it, for several weeks, resisted all treatment; discouraged and alarmed he left the institution clandestinely, and placed himself under the caro of a private physician. After it had continued daily for atout 6 weeks, it at last ecased. Sits healte improved somewhat about two months later, but his cough and offersive expectoration remained in stath quo. Somewhere about this period he came to, Montreal. wht rel tient. Patrick's IIospital of this city, under the care of Dr. Ma de ameil, but not deriving the benefit he had anticipated, and his general health again begioning to suffer very much, he left that asylum for his present one.

Present condition. Aspect of confirmed ill-he:lth, sallow complexion; wan, not very much emaciated, though much lighter than when in health ; frequent soft cough, cecasionally paroxysmal; cofious, diffluent, dirty-greenish-yellow, horribly fatid, purulent expectoration; breath has name offensive owour. Deficient expansion of left side clest at lase, tested by eye, and by Quain's Stethometer. No Aatening nor bulging of any region. Percussion note clear over entire chest except at lower balf of left side, and this dull region very resisting to the finger, and not altered in its boundaries by chango of posture. Respiratory murmor exaggerated, but not otherwise modifizd over entire right lung, and upper portion ff left is searcely andible in left mammary region, and quite inandible in left lateral, dorsal and lower half lower scapular regions; mucous rale audible at several points in this dull region, becoming almost gurgling at inferior angle of stapula where blowing respiration with pectoriloguy are heard; woal fremitus not obliterated over dull region. Hearts suund, rython and situation normal. No increased hepatic nor splenic duli.ess.

A selative balsamic cough mi.ture, and cod liver oil were preseribed, and the patients weight taken. Early in December the fretor and profuse expectoration continuing kreisute-inhalations were sdded to the treatment and towards the end of the mont! he hal gained pereeptibly and considerably in flesh and strength. About this perion he had a relapse, with heemoptysis, prostration and profuse expectoration of intensely feetid smell. The phesical signs of a cavity in the posterotateral aspect of lower lobe were bery obvions, in the form if cavernous respiration and voice, cavernous whisper and gurgling. He again $\frac{\text { allied and improved a little, }}{\text { a }}$ until the 25 th January, when a profuse hemoptysis occurred, so that a large chamber utensil was two-thirds filled with florid red blood and pus, having an extremely feetid odour. Notwithstmding the administration
of free doses of gallic acid, acetate lead and digitalis, the hemoptysis recurred on the 26 tb , and this morning, the 27 th , it is not arrested. He is now pallid, extremely weak, scarcely able to speak aloud, and every now and then expectorates a mouthful of blood and matter. The foetor is, if possible, more disgusting than ever, and the quantity of mixed blood and greenish-ye! low diffluent matter expectorated since yesterday is exveedingly great. Omit gallic acid, \&c. for following : H ol. terebinth : こ vi. tr. opii. mirxx. syrupi. $\mathcal{3} 1$ mucilag, ₹ v. M. coch. med. 2gda. q. hora sumat.

The question which naturally occurs to one's mind, when investigating the nature of the above case, is, what is the cause of the horribly fretid odour of the patient's brenth and expectoration! The pffection i.s which this combination of fetid breath and expectoration, with cough, and physical signs of diseased lungs obtains, is pre-eminently pulmonary gangrene; but it has also been observed in bronchitis, with and without dilated bronchi; in tuberculous excavation; pneumonic abscess; empyema, with and without pleural fistula, and after bronchial hemorrhage.

Now soveral of these pathologic conditions may be more or less easily exclucled as causes of the gangrenous symptoms in our patient. And 1st: mere bronchitis, which Audrul and Graves long since proved to be occasionally attended with foetid breath and expectoration, is not the condition present ; for the physical signs prove the existence of a cavity with surrounding solidification. Even bronchat dilatation which bes also been associated with this offensive peculiarity may be excluded; for the size of the cavity and the extent of consolidation as indicated by percussion and auscultation are too great to be consistent with that view, and there are no evidences of a cbronic bronchial affection in the right lung, which there would be, did bronchiectasis and its invariable attendant, brunchitis, exist in Doyle's left lung. The profuse boemoptysis which forms so striking a feature in our patient's history, points to soother causation than either of those first mentioned; for I am not aware that it has ever been observed even in well marked bronchial dilatation or in simple bronchitis. 2nd. Empyema with or without $\Gamma$ leural fistula inay also be rejected. For hœmoptysis frequent and copious is not a sign of either condition, nor is there any mention of severe stitch-like pain indicative of acute pleuritis which there ought to have been on the supposition of Einpyema. Moreover, did simple Empyema exist, the intercostal spaces of the affected side would probably be expaoded and prominent, the beart displaced to the right fod the limits of dulness altered by changing the patient's position; and there would be an absence of vocal fremitus, respiratory murmur, mucous and gurgling,
rales, cavernons breathing and voice over the dull region. Or, if Empyema with bronchial communication were present, in addition to the signa of Empyema just mentioned, there would be in all probability those of hydro-pneumothorax, viz., spleshing soand on shaking the tiorax: marked dulneas inferiorly woh tympanitio or incronsed clearness auperiorly on percussion, the sites of these phenomena changing with change of posture; amphoric respiration, metallio tinkling, and amphoric voice with metallic echo. I need not, remind you that although thore was dulness at the lower part of Doyle's left chest, there was no increased clearness at its upper part, nor did the dulness alter its situ :on when the patient's yortion was changed;-that in the dull regic, although on its confine: reapiratory murmur was feeble, yet mucons ralles were there audible, and towards its contre gurgling, pectoriloquy and amphoric reapir, on without metallic tiukling; there was no displacement of the heart, nor willoning with protrusion of the intercostal spaces.

3d. The fact asserted by Dr. Law in 1829, (1) that the extravasated blood of pulmonary apoplexy or of bronchial hemorrhage occasionally undergoes putrefaction and is a cause of fotid pulmonary exhalation and expectoration, is now admitted by many pathologists, although Dr. Stokes is probably correct in regarding it as a rare event. That such was not the nature of Doyle's case follows from his positive and distinct statement that the feetor preceded the hemoptysis by two weeks.

4th. Is it then an instance of pneumonic abscess, the feetor being due either to local sloughing of the walls of the abscess or to putrefactive changes in ita contents? I think not; becanse in our case the foetor occurred very early and before sufficient time had olapsed for the formation of abscess, viz., on the fourth day atter his suvere wetting. Indeed so early is the foetor often perceptible in gangiene of the lung, that the coninent authority last named is of opinion, that "the disease at first is ussentially one of secretion," and the feetid "fluid is originally poured out in a putrid condition." (2) Rare too es is pulmonary gargrene, abscess of the lung, the consequence of preumonia is a yet less frequent morbid condition, and a fortiori, sloughing of such an abscess. The profuse hœemoptysis from which our patient suffered two weeks after his exposure, is, in my opinion, rsther favourable to the idea of gangrene than of feetid alscess ; for clinicel facts prove, as I shall presently show you, that this symptom has been frequently observed in the former affection, while so far as my researches have been prosecuted, they toach
(1) Trans. College Phys. Dublin. N.S. Vul. 1,
(2) Dub. Quart. Journal, Feb., 1850, p. 11.
that it is not a frequent one in the latter. And this in just what might be expected atter refleoting upon the teachings of morbid anatomy athe vessals terminaling in the walls or traversing the cavity of an abscewa circurascribed suppuration-are wisually effectually sealed, while thowe involved in gangrenous disorgarisation, more frequently remain pervious and pour forth their contents. For thess reasons then, I do not regard the oase under observation as one of fetid e::1m unic abscesa, and in the present erate $^{\prime}$ of knowledge bue two explanations of the case remain, tuberrulous cavity and gingrene of the lungs. Let us now examind the arguments whiche efour the later view rather than the former, and then those which are antagonistic.

## Reasons in favour of Doyle's case being one of Gangrene of the Lungs.

1. His previous good health up to the time of the sudden manifest tion of severe cough and foetid expoctoration, is quite consistent with what we know of gangrene. Wherea, in tubercular disease of the lung, some signs of impaired health, and a more or less dry congh, almost in variably precede fatid or even purulent expectoration.
2. The nature of the apparent cause of the attack-the prolonged contact of cold and moisture. Our patient's clothes were saturated with rain while driving a distance of seven or eight miles, which mast have occupied about two hours; a condition than which none could be more effcient in the prod action of intense congestion and iuflammation of the internal organs. That such a cause is competent to the production of gangrene alao-nay, that it is a frequent cause of it-is proved by the fact that three out of Dr. Law's four easas of pulmonary gangrene, (1) four out of Dr. Stokes' nine, (2) and two out of Andral's three, (3) i. e. nine out of sixteen cases wore induced by the sudden and powerful operation of cold; and further, in five of those ninc, the co-operation of moisture was present-thus twe fell into the water, two wore chilled while bathing, and oue by long exposure to a cold nea fog.
3. The short period which elapsed betweer the wetting and the occurronee of the feetid expectoration-only four or five daye, if we can rely upon the patient's statement. This I bold to be almost conclusive of gangrene; for it is impossible to believe, that in that time tubercle could be deposited, a vomica formed, and its walls attacked with gangreue. In one of Dr. Stokes' cases the feetor was observed on the fourth day of the illness-in another, " within a week"-in a ihird, after " some days ;" and so on.
(1) Lib, Cit.
(2) Lib. Cit. and Dis. Chen., Am. ed.
(3) Clinique Medicale, t. 3, pp. 443-456.
4. The foetor preceded the hœmoptysis. This it has been occurionally observed to do in gangrene; but in all probability the hcemoptysis would have preceded the fætor were it a case of tuberculous cavity; for Dr Walshe has shown that this symptom occurs in 50 per cent. of all phthisical patients within the first month's illness, and in nearly 72 per cent. during the first stage of the discase. How improbable, then, that Doyle should for the first time suffer from bemoptysis when in the third atage of consumption!
5. The attack of profuse and protracted homoptrizis supervening upon a very severe wetting, in a previously healthy person, points to a sudden and serious lesion; and cases are on record to show that such a combination has frequently occurred in pulmonary gangrene. Thus in six of the nine cases of gangrene of the lunga, already mentioned as caused by the sudden and powerful operation of cold, more or less hemoptysis, was a striking symptom; indeed, in three of them it was profuse, and in one of these see:ned to have been the immediate cause of death. The duration oi the hemorrkarge in our pationt has something very striking in is he asserted positively that it continued for six weeks without actual intermission, and that occasionally it was enormous. Such a protracted hemorrhage appears rather indicative of destruction of pulmonary tissue by sloughing, than of the congestion of the lung, which occurs in the early stages of phthisis. And it is quite probable that the fearful hœmoptysis, which began on the 25 th instant, and in twelve hours filled with florid red blood a large chamber utensil to two-thirds its capacity, was repeated on the 26 th and 27 th, to the extent of about a pint (exclusive of the copious and abominably offensive diffluent expectoration) and now continues,-has been caused by a fresh invasion of the sloughing process. Before leaving this part of the subject, I would remark that heemoptysis is a more frequent symptom of pulmonary gangrene than is generally supposed. In one of the ablest and latest works on thoracic disease, Walshe, when speaking of the expectoration in gangrene of the lungs, says, it is "rarely bloody in adults." Dr. Stokes, it is true, concludes, " that hœmoptysis attunds each access of the remittent disease;" but this does not express the whole truth, for I find that the symptom in question occurred in adults in 18 out of 32 cases in which anything like a careful record of the sjmptoms had been made. In three of the former, tubercle was also found in the lungs at the autopay; and allowing, for the sake of argument, what certainly requires prosf, that the tubercle preceded the gangrenc, and was the cause of the homoptysis, 一there yet remains the proportion of 13 cases of hœmoptysis to 32 cases of gangrenc, or nearly one alf. Let me remind you that while homoptysis
is a rare symptom of phthisis in children, it is a frequent one in pulmonary gangrene. MM. Barthez et Rilliet (1) noted it in four out of sixteen examples of the disease.
B. Gangrene of the lungs is said to be a more frequent affection than sloughing of the walls of a tuberculous abscess. That accurate observer, Laennec, says that it is "at least ten times more frequent."
6. The healthy condition of the right lurg. The most careful examination failed to detect any evidence of disease in the right lung, while a cavity and adjacent alterations were clearly established in the left. Now, it is the result of experience that tuberculous disease seldom-very sel-dum-reaches an advancod stago in one lang, without some traces of a similar disease being present in the other. The came rule does not apply to gangrene; Lence a strong argumont (when taken in conaction with others) in favour of Doyle's being an example of gangrene.
7. The circumstance that the base of the lurg is the chicf aeat of the disease, and that the disease has attained a more advanced stage there than in the apex, points strongly to gangrene, which very frequently begins in the lower lobos, whereas the habitat of tubercles is almost invariably the apex; so much is this the case, that when the tubercular deposit occupies bot' situations, it is almost always most advanced in the latter.
8. Lastly, Doyle's sallow, wan, and greasy unbenlthy appearance is peculiar and reminds one of the "wan and leaden" complexion assigned by Lacunec to the subjects of this disease ; it is very different from that usually witnessed in phthisical patients.

Let us now discuss the
Arguments which may be urged against our Patient's Ailment being that of Pulmonary Gangrene.

1. His illness after the wetting not having been as severe as might be expected in so serious a disesse as gangrenc. Bear in mind, however, that his illness did oblige him to lie down at the end of a week, although being of very active habits he resisted as long as possibie, and that his symptoms grew progressively worse for eight weeks. Moreover, that gangrene of the lungs, especially when circumscribed, is sometimes very insidious, is admitted by most writers since the fact was mentioned by Laeanec; and one of the latest original contributors to this subject, Dr. Silverberg, remarks that "pulmonary gangrene may begin with the signs of an affection presenting little danger, ; it is only in a few cases that its true nature can be recognized immediately after its commencement."
(1) Traito Clinique et Pratique des Maladies des Enfanta, t. 2 p. 411.
(1) Brit. and For. Med. Chir. Rev.; No. 36, p. 251.
2. The improvement in his condition and partial return of health three months after the invasion of the disease. This improvement, howevor, could not have been very grent, inasmuch as the patient was only able to werk for three dags. Mowever, gangrene occationally runs an inte mittent chronic course, in which relapses or fresh attacks of the diseaso succeed temporary recoveries. Dr. Stakes relates two very interesting examples of this nature, both of which presented the following features:-prolonged exposure to cold, followed by symptons and signs of pulmonary gangrene ; tecoporary recoveries, and without apparent cause; relapses with returns of the previous symptoms. (1) Professor Walshe also has " scen a case iu which fetid gangrenois expectoration continued with intermissions for mouths, without much attendant constututional suffering, but with gradual developement of the signs of excavation." (2) Such appears to be the nature of Doyle's case, as I have already suggested.
3. Some of the ableat writers have affirmed that gangrene of the lungs cannot last five or six months; whereas Doyle's illness has been of ten months duration. This objection is completely met by the three cases last mentioned; Dr. Stokes' 2 cases lasted "many montbs," and Prof. Walshe's for "months." Dr. Law hed one case under observation for " more than a year."
4. Lastly, the comparatively little prostration and emaciation, notwithstanding the extent of the disease and the large size of the cavity. The answer to the second objection meets this-the size of the excavation has increased progressively wifh the fresh outbreaks or returns of the sloughing process. The pationt, too, has been very favourably situated since the inrasion of his malaly-ie has been an inmate of various public hospitals wearly the whole period, where besides freedom from damp and coll, intemperance and hard work, he has had a supply of good nutritious food, and careful medical treatment. Noreover, it is well to recollect that there is no standard by which to measure the tolerance of discase peculiar to different constitutions-one man shall succumb under cholera in four or five hours, another shall resist for twenty or thirty.

On reviewing the statements just made, then, it appears that each of the four arguments against the view that our patient's case is enc of gangrene of the left lung, may be met more or less satisfactorily; but that in favour of that view, there are six good reasons and three doubtful. The good reasons being 1st, the patient's previous excellent bealth up
(1) Dub. Quar. Jour., New Series; No. 17, p. 10.
(2) Dis. Lung and Heart. Ind Kd., p. 458.
to the time of the wetting and occurrence of severc cough and foatid expectoration; 2nd, the nature of the appareat cause of the diecisoprolonged contact of cold and moisture-being one well calculated to produce, and which has frequently produced, gangrene of the lungs; 3rd, the brevity of the interval ( 4 or 5 days) which elapsed between the exposure and the devolopenent of the foetid expectoration, and its accompanying and preceding symptoms of chills, heat and general indisposition; 4th, the foetor laving preceded the homoptssis; 5th, the much greater froquency of pulmonary gangrene than of footid tuberculous vomica; and 6 th, the healthy condition of the right lung.
The three remaining arguments in favour of this view of the case, I bave called doubtfu!, wacause they are of less weight than the others; but taken in connexion with them, they possess a considerable value.

I am thus obliged by what seems to me the state of the argument, to conclude Doyle to be the aubject of that interesting and not very common disease-Gangrene of the Lung.

While on this subject, let me call your attention to the case of the man, Wolfe, in Ward -, recently admitted, complaining mercly of weukness, loss of appetite, rejection of food, indeed, if his own statement, exaggerated as it was, were true, of inability to swallow it ; and whom on close examination we found the subject of cough, muco-purnlent nummular like expectoration, with some physical signs of tuberculai deposit at the apices of the lunga, and the woll developed physical phenomena of a circumscribed pnemmonia at the lower part of the left lung. The pneumonia was in the stage known as congestion, but it has since passed into hepatization. In this patient besides an absence of the well marked inflammatory fever and the rusty expectoration of pneumonia, there is a very weak pulse, a peculiar asd, discontented and distressed expression of face, marked general prostration, and most singular of all, at times a horribly feetid odour of breath-in character, precisely like that of poor Doyle's. This foetor was noticed the day after his admission, and two or three times since, but on no occasion, more sensibly than yesterday. Is this a second case of pulmonary gangrene? an i istration of whai almost sceins to be a law, that one uncommon case seldom occurs singly, others soon follow it; I believe it is, and shall watch the progress of the case with inoreasing interest, more especially for the signs of forming cavity consequent in the separation and breaking down of the eschar.
Besides the peculiar combination of excessive prostration, a limited amount of pneumonia in the first stage, (an amount which fails to account for the degree of vital prostration present) and gangrenous odour of the breath, a combination which is generally regarded as almont characteristic of gangrene, there is a point in the patient's history which
favours the probability of any dieeace of his lunga, taking on a destructin character-ling bahits have been very intemperate. Intemperance is a item friquently met with in the listorics of the subjects of gangrene Dr. Silverberg [quoted before] states that $S$ out of 18 of his patienh were drunkards. (1)

Time will not allow me to speak of the pathology of gangrene of the lungs, which is a topic of much interest and about which much informs. cion as yet necied; the correctuess of the diagnosis in the cases just dir cussed will, I fear, be tested by an autopsy before many weeks; till thes observe.

Sequel to case of Doyle.
The hemoptysis recurrel during the night of the 27Lh Jany, rathe: freely and he sank on the morning of the 28th, exhausted.

## Autopsy.

Thorax. Obliteration of left pleural cavity by very dense and very thick old false membrane over an extent correcponding to the lower hall of left lung, iucluding its disphragmatic surface. Anterior half of upper lobe of this lung as far as apex free of disease, except a narrow strip which boumds the inter-lobular fissure;-this fissure almost completely obliterated by old alhesious. Posterior half of same lobe is the seat of a somewhat pinkish grey (tuberculous?) hepatization or infiltration, parts of which are beginning to soften, for when scraped small circular cavities remain. Small cavity at sufface of lateral aspect of same lobe midway between inter-lobular fissure and apex; pleura covering which is of a dark green hue. This cavity is the size of an almond and is filled with a grumous dirty greyish ycllow, diffluent fluid, very foetid and containing shreds of pulmonary tissue attached by one enj, free at the other, in a gangrenous condition, and retaining none of the naked-eya chararter of pulmonary tissue. In the same lobe, but a little lower down and deeper, is a 2nd cavity, about three times as large as the first, also in a gangrenous condition; of a darker colour, with more of a greenish tint; contains debris of pulmonary tissue, and like the last emits the disgusting odour observed during life.
In lower lobe a large somewhat irregular cavity extends from within half an inch of the diaphragmatic surface upwards, along posterior portion of the organ, almost to the interlobular fssure ; although torn open dur-

[^1]ing its removal, it atill retains two or threc small masses of a dirty white color and of the consistence of fresh mortar, and some foctid bloody f.ind like that expectorated. Its walls of a dark green hue, tolerably firm and linel by sort of membrane. Sone amall agglomerations of semi-opaque tubercles along anterior border of lower lohe; the intervening tissue slightly congested; at some points, this deposit softer and moister than elsewhere as if sofiening had begun, but no pus, nor any yellow cheeselike tubercle anywhere-left pleura contained a little serum withoat $\mathbf{f}_{\text {cetor. }}$

Right lung bas not collapserl, fills right chest completely; pale and abxmic generally, save at some points josteriorly where it is slightly con-gested-uniformly crepitent and healthy throughout except a spot at extreme apex, size of a hazel nut which appears to consist of firm semiopaque whitish tuberculous (?) infiltration; and some pure patcies of vesicular and interlobular emphysema. No pulmonary collapse observed; bronchi of both lungs contain blood part'y coagu!ated, chiefly fluid; old adhesions between epposed pleural surfices, laterally-no serum in the sac.

Body well covered with subentanenus fat.
Remark.-Although tubercle co-existed with gangrene in this instance, yet for the above reasons assigned during the life-time of the patient and because of the tolerably recent-or at least-not advanced condition of the tuberculous exulation in the apex 1 am still of opinion that gangrene was the original lesion and that tubercle had been subsequently deposited, and certainly that the fuetor was not due merely to slonghing of the walls of a tuberculuus cavity.

Bonaventure Street, Montreal, 1857.

ART. V.-Foreign body in the urethra. By Cearieg Picaclt, M. D. Montreal.

On the 28th May $\operatorname{last}, \mathrm{M} . \mathrm{C}$., aged 20 years, came from Laprairie to my office at about 7 i oclock, A. M., for the purpose of having extracted from his urethra, the hook of a watchguard which bad leen introduced under the following circumstances:

During his sleep, his bedfellow had passed into the meatua urinarius a pin, head foremost, learing it until be awoke, when he told bim what he had done. Ho immediately tried to extract it, but found that he could not, as the point had entirely disappeared beyond the meatus, and any attempt to remove it, only pushed it furtior in.

Being considerably agitated the then introduced the hook of his silt watch chain, with the hope of being able to catch the pin; and after good deal of painful manipulation, he at last succeeded, but on attempt ing to withdraw the chaiv, he found that it had become firmly fixed is the passage and resisted all his attempts to remove it.

The hook was rather more than an inch in leagth, the point being sharp and turned outwarda as the points of such hooks usually are This of course acting as a kind of barb and being caught in the folda of the lining membrane, any force used in attempting to extract it, ooly served to bury it more decply and render its removal still more difficul! Finding that all his attempts at rerooving it only resulted in causiag es. cruciating pain, and copions hemorrinere, he at last decided on comirg to Montreal.

On examination, the hook was found completely within the orifice together with about half an inch of the chain. The organ was ver much swollen, and on stretching opes the mealus, lacerations of some extent could be distirguished. The hemorihage continued and must have been copiva, for his cluthes were completely soaked through. The pain was intense and the least traction angmented it materially.

On considering as to the best means for removing the hook; three methods occurred to me, viz:

1st. To introduce a grooved director into the canal in such a way as to cause the point of the hook to enier the groove and then to slip it along by gentle traction on the chain till completely extracted.

2nd. By retracting the glane gradually until the eye and a portion of the hook could be uncovered and seized by a pair of strong drossing forcepls; then to open the hook forcibly and extract it gradually by causing the margin of the meatus to glide back over the greater curve thus produced.

3rd. To cut into the urethra, making an opening large enough to extract the hook and to detach it from the chain.

The state of engorgement and the extreme sensibility of the parts rendered the introduction of a director extremely difficult, and the hook had so completely disappeared in the canal, that the point could not be found, so, after a single unsuccessful attempt, I abandoned this method, and proceeded to adopt the second.

It is unnecessary for me to detail the various steps of the procedure; suffice it to say, that after I managed to secure the upper portion of the hook by means of the dressing forceps, I easily succeeded in opening it out gradually, at the same time retracting the margin of the opening nntil the whole hook was withdrawn, the point coming out last.

I ther directed him to keep the following lution constantly applied
means of lint soaked in it, viz:-R. Tinct Arnica, ten ounces; aqua, ne grain, one drachm, ft. Lotio. The inflammation subsided rapidly and in tro days the patient was perfectly well.
The above I have presented withont comment. It may perhaps be Jound interesting as an example of numerous cases in which the yonng prastitioner is obliged to exercise hiv own ingenuity in modifying the usual rules of surgery.

ART. VI.-Strychuin; being extracts from the Materia-Medica PrizeEssay, of the Srssion 1850-5í, Mc Gill Colleyp. By Ma. Alexander leid, London, C. W.

Preparamox.-I have tried mother method, altogether different Ciom any get mentioned, (the l'harmacopreal and Molyn's) and which, with the quantities manipulatel with, l have founi very suceessful. Every precedure, at preseat used, is very expensive, so that the value of the manufactured article becomes much more expencive than it would be if a cheaper means were employel. I shall not say that my explanation of this process is correct as regards chemical decompositions, hut that yon may obtain the desired produrt is I think cortain. One advantage which mey methorl presents is that the substanes used to separate the alkaloid from its natural combinations are vers cheap, and casily obtainel of the proper parity requirel. The agent I use to sepalate the alkahnid trom extrancons substances in chlorine. If it be applied as eblorine water I have not found it act with much eerainy, but if used as the woution of Hypochlorite of Soda, it acts wey well. I prefer the Hymenthorite solution prepared ley prewipitating the lime from the dissolved chloride of lime of commerere by carlmate of soda. If the other aticle be urel, whidh is prepared by passing choune through a solution of the carbonate of soda, you have a large guantity of biecarbonate of sola present, which can be of no ure in making the alkaloid; and further, when this solution is added to the decoetion, it changes to a red colour without causing a precipitate.
I make a decoction of the rasped or powdererl nux-vomica seeds, in water acidulated with sulphuric acid; if the decoction be not acidified when the chloride solution is added, in place of a dense white precipitate, yon have a very small quantity of a tawny or light-yellow colour. I think that the sulphuric acid in the decoction serves a double purpose; firstly, decomposing the Strychniate, and forming the more soluble

Salphate of Strychnia; and secondly. of setting free the chlorine is the bypochlorite solution,-thus enabling free chlorine to unite with the free Strychnia, when the acid separates from the alkaloidal base to unite with the soda in preference. And also there is no doubt, but that less boiling is equired when the acill is used, than otherwise, because in the former, the stronger acid will at onec displace the weaker, and by tio. a more soluble salt is formed; whereas it takes long continued boiling to dissolve the very insoluble Strychnate of Sirchnia.

The acid also has an effect upon the gumng and starehy principles of the seed, but as to whecher the sugar formed, hinders or assists the precipitation of the alkaloid, has not been enquired into; or it may remain perfectly ueutral, and this is the most likely.

Where the hypochlorite solutios is added to the decoction of the seeds, rendered very acid, an ubundant precipitate of a white colour is thrown down, which is a compound of Strychnia and chlorinc. What may ie its chemical composition, is uneertain, but it cannot be the hydrochlorate because that salt is very soluble; it canut be free Strychnia, as its reactions given further, are clearly shewn; and if it ivere hypochlorite, I do not think a similar precipitate would be formed when chlorine water is added to a solution of a salt of Strychmia, and also where a stronger acid is added to the hypochlorite solution, as the sulphuric, it is principally hydrochloric acid, and free chlorime that are given off.

Reasoning from these data, the conclusion arrived at is, that it is some compound of chlorine which is not as yet deseribed, as far as I can find out at least.

Now if we look to some of the other halogen radicals for an answer to the question, we find a compound of iodine, which has not as yet had its analogue in the chlorime series, and this is the ioduretted iodide of an alkali, the most common of which is that of prtassium.

I think that the hypochlorite solution which I use is a similar compound it many respects with that of iodin?, just inentioned, having sodium asits base. There has been a great deal of argument concerning the substance in question, which I think might oe almost setiled if it be viewed in this light, and compared with the iudine compound of a similar nature.

From these results, (the effects of cumb; ing iodine with different bases) we can expert similar reactions with these bodies, when they are placed in similar positions; and as we find that if iodine be added to iodide of potassium, we have a new compond furmed, so arr we to expect if chlorine be added to chloride of potassium, or sodium, that we will have an analagous compound of chlorine, which reactions I am not
awsre of any person having examined into, and which I have not the ronvenience to perform or examine into, even if I had the will.
In answer it may be said that the hypochlorite selution is not made by adding chlorine to a chloride, but merely to an oxide of an alkali.
To solve this I may first state that when the chloride unites with the alkah, it iorms a chioride cund a chinnate, and cominuing the supply of chlorine, is in reality adding chlorine to a chloride, as you add iodine to an iodide. But in this decomposition we have a chlorate, and it nay be thought that it takes part in the subsequent decompositions, but I think that it remains almost neutral for two reasons; firsty, it is a very stable compound when united with a base, and not very likely to be acted on, hence it is present in the officinal solution in an undecomposed condition: and secondly, if we add iodine to potassa an irdate is formed as well as the ionlide, and nevertheless its general reactions, if more iodine be added, are the same as if none of the iodate were present.
In fact the preparation of ioduretted iodide, and the solution of chlorine are perfectly similar; ouly in the one, we add iodine. as it is a solid body,-but the other being a gas, it must be handled in a different manner, and this is done by transmitting it into a closed cbamber, which contains the substances to be acted on by it.
Reasoning from the facts given, I should say thai this solution is nut in reality an bypochlorite, but a solution of chlorine in chloride of sodium, with some chlorate of soda preeent; and if made from the carbonate of soda we will also have some bicarbonate of that base. These latter substunces being merely inpurities resulting from the faulty manner of preparing it, and which should not be present if it were prepared aright.

I think that if this sulstance were to receive its proper chemical name it should be called the Chloruretted Solution of Chloride of Sodium, or in a solid state as Chloruroted Chloride of Sodium, if it be uamed similar to the like comprand of :odine; and that the way to prep.ue it in it pure state is this.-chlorine gas should be transmitted through a solution of chloride of sodiun of the proper s : rength $\rightarrow$ or let chloride of scdium, moistened w'th water, be exposed to an atmosphere of clilorine, until all the gas is al sorbed that it will take up; and for lime, to proceed in an analagous manner, but in the latter case the chlotide of calcium being too costly, and bencom only used for the purposes of the arts, the presint method is no uonbi the cheapest; although as regards soda, I think the method here mentionel would be preferibl?, not only on account of its certain chenical composition, but also on the score of cheapness: Because in the present method the chlorine is abstracted from the chioride of sodium, and the carbonic acid placed in its stead at great
expense, which is of no use when we take this carbonate and again replace chlorine by substitution for the acid.

I have digressed a little from my subject to explain the reason I have to give a certain name to the Strychnia precipitate; this precipitate I think, from the way that it is formed should be called the Chloruretted Hydrochlorate (chloride) of Strychnia.

When you have this product obtained, it should be washed to remove all soluble substances, and then treated with liquor potassa. By this its appearance is changed and it is not so bulky as it was previonsly; it seems at first to be almost dissolved, hut on standing a little a precipitate forms and settles down to the bottom, which is Strychnia, and is of a gelatinous flaky appearance at first; after having washed and dried it, dissolve it in sulphuric acid and water, by the sid of heat, and when this hot concentrated solution cools, the sulphate in a pure state is deposited around the sides of the veasel, in needle like crystals, which form themselves into star-like groups. If the pure alkaloid be required it is precipitated in crystals by adding ammonia to the hot solution of the sulphate, or in an amorphous form if the solution be cold.

If it be preferred you may take the first precipitated strychnia, dissolve in alcohol, decolorize if it be required, and crystalize from the alcoholic solution. I am not able to say from the quantities with which I manipulated whether brucia be thrown down with it or not; I know the solution after the white precipitate was separated from it by filtration was a little colured by strong nitric acid, but it may have b en a mere casual circumstance; I think that very likely liquor sode would answer as good a purpose to abstract the chlorine from the Strychnia, in the white precipitate as liquor potassae; but as I did not try it I cannol say for certain anything about it. I think that this method would do for some of the other alkaloids, as quina, which have similar reactions with respect to sodium chloradine, but it is out of place here.

I have also prepared Strychnia by adding the ioduretted solution of iodine to an arid decoction of anx vomina seeds; an insolubie componnd of strychmia is throwa down of a dark colour, which upon being acted on by liquor potassa, became of the same colour as if chlorine had been used : and the alk:ali was obtained by continuing out the before mentioned process. By this method I thought, I have obtained only the stryclinia and without brucia. If iodine were used in preference to chlorine, the iodine might be all saved, as the iodide and iodate formed might be separated from the mixture, and the iodate converted into iodide, of exposure to a red beat.

Bron:ill will abo anawer a very gromp purpose, as the reactions are -imilar to dhlonime, mot it would he expensi.e and roul] nut be superior to it.

Tresta- Oif all this array of Tind, (thone mentioned by Taylor on I'oinds, and in wher whlinary works of refirence) there is not one upen which we can rely alone in the hour of netel. (Attencon is now invited


 iodiele of Pataniun, than dihute it until it i- of a datk cher:y-ret colour,


The only abjertion (the reations with wame acids, metals, \&c,
 Veratria, and beehriur, as there sivo a'most similar reactions. With morphine and santonitu ther j- mavible change Strychaia may be distinguinheal from somatia ly drying the prepipitate, when the latter will he of a yellow molur, and the former of a blackish yullow; and from quinine, in mit lecing so dark, as jts preepitate is, when dried, of a hackish-hown; with herherir it cives one similar tw quinine, although sarerly so dank in eromr. The lach way to datinguish the sbates of colour is bey coteparion; when first formed all these are similar in apparance, witheg change when kept for wone time; but the great distinctis. mark is that the only pecipitate which is formed from Stryelenia give the plato of colours with - ulphe acid and binoxide of manganese. (des ribed in mamated in lowks on Materia Medica, \&e.) There is a peculianty in the way in whinh the predpitate combucts itself at first.

If the tert be alded drep by drop to reate water, it falla down to the

[^2]bottem of the test tule, not even tinging the liquid; after coming to the bottom it lies orenly over it, and when you wake it, it becomes of a clear straw-jeilow cohour, -as iodince is seluble in ientide of pernesinm. But if evon a wory mimute quantity of strychnia be aresent, when the
 fringed with a dirty white preeipitate, aml by whaking it up a little, this gialual!y peralam the whote, and it becones a dark bick red precipitate.

If the minture le - laken it acpuites a mendith comor form the precipi-

 when in this we the precipitane remans smpembed in the liquid, and benee give it a madly supearame. It the solution contaning utrechia contan limal alvo, the atkatond can mot be detected with the same delicarey, as the precipitate fomed is . . arked by the colour of the ohe tion; but of the solution be of ureat strength, then it is brought out as vell an if pere water alone was bur whent. If the precipitating tont be added to a mixame of builat bood, a dark-red chat is formed, which does not min with the other protion of the mixture. 'The tent will mot act if it be alded to the Strychnia held in solution by aterhol, as the precipitate is solable in that memotrmm, but if it be evaponated or diluted, it then will act in the aceuatomed manner. The bitter vegetablo infusions are not affected by this leat, and the strychence can he detected in these without any difficulty.

The action of acctic acil will aho listingush the dried ed precipitate of strychnia from that of the other alkaluids; if it be athed to the former precipitate it ajpemato be partly disolved, with a little atill remaning at the bottom of the test tube; the surernatant liquid also becomes milky, with a yellowish tinge, such that :ou can scarcely sre throuch it ; if heat be applien, that which was diasolved is precipitated, and the mixture tecomes trancprent, and almost colouless; by contimuing the heat it again beeomes dimolved, and the solution limpid ami transpare it. upon alling ammonia in this, no change follows.

If the veratria precipitate be acted on by the same agent, the mixture becomes yellow, but the precipitate is not much dissolved, and it is also rendered of a darker colour; excess of acid does not ex at atly more solvent power, and the mixture always remains trans arent: when heated, it loosea the colour and becomes clear; when atnronia is added a milkiness is produced which is dispersed when herotod, 'ut agnin forms on cooling.

If the quina precipitate be treated in the same manner, the supernatant acid becomes of a reddish-yellow colour, but it is not dissolved
mulens by the end of heat ; the misture is thanghem, but atter leest is aphlied it heromes of a yellow celour, which disappeas when atmmonia is admed, and a milky fluid remain, wot much acted on ly heat
To distinguind coulh of thene three difiticent reartions, it in much better to compare the one with the oblher, when their differene is then quite visible; bat if :oun we the freally precipitaind proflucts, a diftirence



 Snuins remaining at the buthom of the test tuhe of a blark rohour, which at mot aplear to lue aoted on ; ammonia vanue a turbidity. With guia it fims a very transment whation of a gellew colurr, from which ammona thow down at firs: a whinish peecipitate, that is dissolvel if a slight excess be aldeal. If thone pudurts he acted on by strong sulphuticacid ah ,w, the veratria gives a play of colomes, first yellow, then red, and then violat ; puima beomes gregih brown, and strychnia beromes bownith gellow. Strong nitric and com not athect eithr of thene very murh.

If strong sulphomic acid and binsxide of Manganes, att on the Strechuia precipitate. it first lecomes purple, inclining thred and then reddish bown; with quina, verania, and beberine, nothing distinctive reaults. These last stactions are what 1 lay mont confidence in, as the -iistinguinhing peculaity of sirychnia.
(To be continued.)

## Reviews.

1ET. V.--The $L_{\text {eseases af }}$ Women; including those of Pregnancy and Chillhed. liy Fhetwood (hurchill, M.D., T.C'.D., M.I.I.A., Vice-L'rosident and Fellow of the King and Quecn's Coilege of Ihysicians in Irelam ; one of the Presidents of the Obstetrical society; l'rofessor of Midwife?, with Diseases of Wemen and Children in the King and Queen's College of P'hysicians in Iretant, de., de. A new Ameican edition revised by the author. With Nutes and Additions by D. Francis Conder, M.D., Fellow of the, College of Physicians of lhiladelphia, \&e. : Bhatacharl \& Lea 1857.
In the present volume the diseases of women are described in threebooks, the first of which is devuted to the er asideration of the diseases of the
organs of the sexual system, the second to diseases of pregnancy, and the third to those of childbed. The number of distinet subjects they embrace is, as might be supposed, very large. No important disorder or lesion appears to have been omitted, and the whole is discussed in a manner which is condensed, at the same time that it is comprehensive. Like the other works of its distinguished author, it exhibits to a remarkable extent a high character for profound research, and gives the purport of much that is found in treatises beyond the reach of practitioners ordinarily. Its value is further augmented by affording a statement of Dr. C.'s personal experience, and under this consideration, the present edition has claims to professional regard transembm io any other. He not having suffered the intervening time to pass ume teemed, but applied to profitable account the numerous opportunities of ascertaining peculiarities in the specialities of women's diseases, which an increasing practice afforded. Three entirely new chapters have been addrd upon Tetanus, Paralysis and Arterial Howorrhage And another feature of novelty is the introduction of illustrations by wood cuts; these are forty in number, and have been copied from various sources, as from the drawings of Mcclintock, Clarke, Boivin, sce.

Dr. C. considers diseases of the uterus as divisible into the two simple classes of functional and organic. Under the first, the initiatory is Amennorrhea. Of this state, which we arc accustomed to receive as abnormal, several strange facts appear which would almost justify us in believing that when it exists it is not alrays a morbid phenomenon. It is generally understool that the setting up any diverticulum, after its establishment, in favour of the uterus or the occurrence of a vicaious action similar in kind or in design, is a protection or immunity to the system at large against the evil consequences that wonld otherwise be entailed by the suppressed function. And accordingly the ever present examples of gestation, lactation, as well as the more rare ones of vicarious menstruation, are commonly familiar. But it is not known in the same way that amenorrhea may exist in women in whom no compensatory event is proceeding. It is to this class our original remark more especiaily applies, and was suggested by learning from the work before us that "the mother of a large family had never menstruated;" and that in a family there "were five daughters, whose ages ranged between 13 and 26, who, though in excellent health, had never menstruated." The first fact is also a contradiction to the idea usually entertained, that females who are afficted with emansio mensium do not conceire. Happening under singular circumstances like these, it is not extraordinary that the proximate cause of amenorrhiea should be in obscuro. Dr. C.
uhaerves of the puthology: "The question is vely difficult, if not impossible, te decide, in the present state of our knowledge: but it appears very probalite that, in many a-es, the dinease deperals upon aome conditiun uf the ovaries." The treatment of this malal! is contemently ditticult. I great variaty of ditlerent remedial meats, intembed to filliil dissimilar indieations and an ting upon diewordant principles, late beren used. one fort, howerer, seems well ancertained: that all cenes are not to he eured

 tient, and acoorling a it may be maderaken durines an interval, or at a menatras preriod." 'To which we would ald, it shouid lie manly conditionel, amilapted te the particular state of the system at tho time ; ly attending to which important ciremmatace a ame j. often acemphished without any further troble, wwing the the lahure of the catamenial weretion being hat a fart of an error or sice perading the entire frame. 'flas fatit is, u, mally spating, one of two evtreme aising cither from a univered, hethora we amemat Thene appars to be a growing distruat ammer practioners of the peowers of the so-cilled Emmenacoguen. Unionbtedly, with the majority of substances romprised by this denignatim, it would he more proper to say that the word can only he legitimately received, in striet medical warge, when it lats reference to a possibie emb whish the reputed agents may perchauce attan; and that, virtually, it is ine xpenise when aplied to express that the medieines in question posers a a pecitic power by whirh they are capable of invariably producing an absohte reult. Neverthelen, that thero are sanative measures directly emmenagroge, we cammot deny; and, although they may fail oerasionally, yet ach ath acecelent is no more than is observed to altem the compoymont of any other particular class of remedies, and may in this one, as in thes other cases, be apropriately referred to an existent imperiment to their cfficient action present at the time of their employment. Undev aboolute emmenagogues, we would iuchude, with medicines, certain otstetrican auviliaries which have been recommended to public notice from time to time. One of the latest of $\pm$ tuce Dr. C. thuz describus:-"Dr. Simporm has tried congestion and irritation of the mucous membrane of the uterus, produced by the introduction of a silver catheter, with a number of perferations at its inner evtremity; to this an exhaustiug syringe is fixed, and the air repeatedly exhansted. When witholsawn, the exiremity of the catheter is filled with blood; and, in many cases, the artificial menstruatiou thes established is continned naturally." Of medicines, Strychnine has enlisı حd Dr. C.'s approbation in its favor. Out of twelve crses treated by Sir James Bard-
ley, of Mandester, ten were cared ame two relieved. "Amel to this number [ all abl urberal easea in which the cure was complete mod permanent."

Of the orgatic disease of the uterum, none in as appling as Cancer, Imbuhtably fatal when left to itself, it sares no age. I has been met with in coung purama moler 20 ; fund in tho aged who have alvanced beyond the lime of hamanity, preseribed as thee-acore-and-tin by the Royal l'salmist ; and its prevalcme is comparatively of cstreme facquency, as may le evera prowed by honking ever the statimies of the dead, and kerping out of eamileration thon that concern the living. From quotatims given ly Dr. ('., wirn that in 1831 there ware 370 deaths from dixtisey of the female genital argans, athel of these 2 i 0 were fiom cancer. In 18:3., of 430 deaths, 304 were due to cancer. In some years the mortality was smaller, though still, in the augregate, large. In 1835, of 508 doaths, only 285 wore fom ancer. da all medicines have heen erpually useless in this lenion, its treatment has been referred to the prwess of the surgeon. Vabuns aperations have been recommended; moslly, however, resolving themaelve into those, where the neck of the oterne is expisel, and those where the entire utems is extirpated. In summing un the vaions statements made al the first, or ex-cision:-
" 1. As the mly hope of benefic fiom the operation rests on the possibility of remowing the whole of the discame, it would elearly be a wanton barbaity to attempt exrivion, execpt when the cervix within reach alone in affected. The limits within which an operation can be sately atempted ate matiel by the insertion of the vagina into the superior part of the corvix utei.
2. Agrain, it wouhd he aseless and injuriona if the aursounding para, (lymphatic ghandsamb cellular membinne) ase atierted, inasmuch as the fatal progress of the disease wouk rather be accelerated. The uterus, therefore, should be perfectly movenble. It hat been statem, however, that if the enlargement of the !ymphai ghamis depends upon irritation merely, and not upon deposition, it will subside after the "pration, and need be no obstacle to our umlertaking it.
3. Compestion of the bedy of the uterus is contended for by some as an oljection to the operation. M. Lisianc remarks, in maswer, that if not excessive, it need not deter us, since to a certain rtent it exists in all cases, and subsides spontaneously afier the operation.
4. Congestion of the ovaries is mot regarded as an obstacle by the daring operator ef La Pitió. He arguea that an Baron Larrey wed the cautery with impmity under such circomstances, no harm will result from excision.
5. Circumstances, which would forbid the porformance of any of the great surgical operations, equally forbid this; sult, for instance, as any affection of the thoracic and ablominal viscera.
0. The development of the rancerols caberxia and the conserpent braking up of the comstitution, by indications of an alvane ed stare of local disease, will of coursu prohibit the operation."
"If wo now inquire in what case", in aceordance with the foregong observations, the expectation of benefit from this operation may be reasonably entertained, we shall fiml one range very limited:-

1. If we could find a case of cancer in which the deprosition should be strictly limited to the cervix, without contamination of the neighbouring tissues, or deterioration of the general health, but which nevertheless presented symptoms justifying our interfereace, we might bo waranted in the attempt, But how exceedingly rare is such a combination! and yet cannot thiak the operation justiabale in any other case of cancer uteri than tho one just described."

Atier such a decided expersion of his own individual opinion we are prepared for expecting that extirpation should be yet more condemted. What applies to the part is equally se to the whole, deriving besides additional opponent argumenty from its much more grave nature. ReBoval differs essentially in point of importance accorling at to whether tue uterus bo in situ or diaplacel. Wr. C.'s condusions un bach are:
"After a careful examination of the results of the operation, when the uterus is in sith, it is realle dificult t. find alegnate recsons in its favour, ex"pu d!e repugnate whic! every one must fed to rive up entirely the hope of affording relief from the mo-t aronizing sutfering to which the female sex is expored."
"Our concl: ion will be ditierent as reprate the removal oi a displacel uters. . The operation is far leon forminable, is attended with less shock to the rowatution, and has been performed repeatedly with the most perfact success. There ean be no objertion against undertaking it under farorable cirn muntances, mal when the case may reyuire it."

## Clinical lectioke.

On Auchylosis of the Kruee. By John Erictran, Ese, F.R.C.s., Prufessor of Surgery at University College, and Surgeon to the IIospital (Medicul Circuler.)"
Gentlemen, - What I wih particularly to direct your atention to to-day is the subject of anchylosis of the knee, as we have a ase of the
kind in the ward up stairs, to which I intond doing something, in order, if possible, to restore some degree of nobility to the limb.

Of all the deformities that etfert the haman frame none are of more frefuent ocemrence than that of stiff knee; and it in of great importance that you should 'a acguanted with the different forms in shich it is generally mot with, the cames that commonly rive rise to it, and the treatment best calcumated of retore the usefuluess of the limb, in cases where -urgical interference in proter. There are tho pesitions in which anchylosis of the knee generally taken phate-thesiraight and the thexed 1o-ition; the latter being a much more serinus oecurrence than the former, and mach mone frexpently met with. When the knee is anchylo=el in the stratght position, its usefulness in locomotion is not serionsly impaited, the greatent incomenience being experientel when the preon sita down, as he is then obliged to thrust the leg rut in front of him; and thin is often more bameming to thase near him than to himedf. lion all law hove ankwad it is to have a peron with a straight lece in an ommibne, on in aty ituation where zom in of conse-
 on ery woll.

When, howew, the knee is anchybed in the lent pesition, it is perfectly usillos, and the fermon has to walk on a woodentisur gin atached to the knee his hef propethe batwards at a righ ample with the thigh; or if the knee in wot frowl wo mof as this, he may limp rerg marh, reating the tore on the gronnt. hoing unable to brime dan the hed. In this prition of the limbaliso the circulation becone mapared



Now, there are two fomm at a nelonin with may take place in either
 fibres ampl museular.

In the tirat mationed form, that of romplete anchalonis, the osecous surfaces lewome fuscel therether; the new wemons matter thrown out in the joint becomes ancellons in texture, and the line of demaceation hetwen it and the a mo of the tibiat and femar is lont, the old and new bome leeoming gute continuous.

When incomplete anchshei taku place the kure is atibened, but musility is not entirely lost as in the complete form, the juints yiofling to a greater or les extent when force is applied to it.

There are two foms of incomplete anchylosis, viz, the fibrons and the mbecular, and the diagnosis between these forms is often disticult. The knce may he so silff in some cases of the incomplete form as to

Fribe the belea of osseous umion; and arain, the ihtrous and murular forms luay closely resemble ench other. Now in all eas whe bent way of making a dingomis in to lay the patient that on his face, and lat the thigh reat on the pham surface of the table, then the bnee being in the
 will but be able to mowe the foot in the slightent angere when the high is hept firm on the phain suffere, but if it is of the ineomplet.: fon on there will he a rertain degreen mohility, mome or lime, acording to the lenght of time that the discar-has existed: in a comparatively recent ease the fout may le mate fo dowribe an are of a diche. It is of importance to
 may be able to do with wherable aromary by attembing to the followiog
 and they are not rendered tenes when gon matae traction on the foot. and the limbmowes to a rertain everat and then ©omes to a sudden stop; hat in the mesculat furm the tembors are fond to ho temes, and the
 co-sivt. The filmone forn in the most common, ant atises from inflam-

 hand are fomed, and are-attachod in samon patere and stretehing in all alimertion mond the joint bind it in proilion.


 valled the hyterical kuer the patient complan of pain in the kues; Which after a time lowomerontracted withont any sign of inflammation; in surly eaves the kuew becomes grablally contrated. It may be due
 contraction of the amactes hy reflex-ation, or trom the canmes that grive rise to spuint ame the variou-affection of that kim. It may sometimes le han to paraly frepuent eanse, ant I believe that this form of the diome ocemring in the adult is always due to spasmodic contraction. When it berins in infancy or childhood it may be due to comsemital shortening of the muscles, or to an arrot of development, and I have end mase which appeard to me to be dhe to this camer, when the tendons appeared naturally too short. This, however, is a point that has not heen sufticiently mate out yet, and will require further investigation before a eatisfactory conchasion in regard to it can be armed at.

Now with regarl to position. Fibrests anchylosis may take phace
cither in the straight or the thexed prestion. When it occurs in the struight postion it is genrrally cameri by some inflammation taking place in the joint duriner the treatment of fractures of the thigh, when the limb it kept fir a long time in the straight position, lut tie most common fomition in which we meet with it is the semifexen. Nuw, why somh it take phace more frequently in this position tham in any $^{\text {and }}$ wher? I hink the leat explanation se this:-The semi-flesed position is that in which the limb instinctively, is it were, places itedf at the most easy, when inflummation is prenent in the joint, a buth cets of museles are then relased in an "qual derpe"; but, in an ahioition to thia, it las leen fumm by expriment that when a joint is injerten with thad it asommen the lent position, and when there is effusion into the joint this eause may oprate with the one alrealy montioned in decermining the position; but whether efusion is preacht or aot the ponition is the sitme, so mulh for that. IIaring now sune over the different forms of the disease and ins cansen, the aext puint is the treatment to be a lopted, and this must of worse vary areonting to the position of the limb and the form of the disuase.

If complete anchylosid takes plare in the straight position it must mot be interfered with, as moperation cath seatere moldity. If, however, you have a rase of ineomplete anehylosia in the straight form, you may use parsuse motion and friotion, athl by a onor continnance of these usens some degree of mubility may be restored. When there is complete anchjosis in the bent proition, there are tan lines of practice, cither of which maty be indicated by the circutnstances of the case.

One phan is to take out a wedgeshaped piere of bone irom the front of the joint, and then bring the legr into the straight position, and keep it so uatil ossenthe mion argaln takes place, thes converting a bent into a straight stiff limb. This operation has been suceersfully performed by Dr. Rhea Jartom, of Jhlamphia. It has not, I believe, been performcd in this country yet, but I runsiler it a feasible operation, and one which I would net hesitate to pertorm if a favourable case for it came under my care; it dues mot differ in :ny material dergee from excision of the knee-joint, which is now so frepuently resmeded to. To be suecessful, however, the muscles of the limbs ought to be sommi. The other plan o be adopted in this poution of the knee is amputation, aud this will be the best combe to pursue if the muscles of the legare very much wisisted or affecterl by fatly degeneration for it woulu be useless to perform the operation for bringing the limb straight untier these circumstances; therefore, it would be better to take if off amd let the patient get an artificial leg. You may remember that I adopted this course ir the
case of a girl we bed in the hoepital about a year ago, who had fatty degeneration of the muscles of the leg.

With regard to the treatment proper to be adopted in cases of the incomplete form when the limb is in the bent pesition-in most books yon are told to divide the hamstring emdons, but this is only necessary in the musular form, or it may be necesary when the fibrons and muscular forms coexist. The treatment of the uncompliented fibrous forms is simple, and such as you have often seen ne have remourse to in the hospital. The plan is to bring the limb into the straght position by forcible extemsion, under the influence of chlorotiom; a good deal of force is often required to effect this, and you often hear loud cha-ks as the fibrous hands and alhesions are ruptured. When you get the limb staight it must be placed on a loner splint for a few days, after whith it may be put up in a stareh batage and the patient allowed tu move about.

In the congenital muscular form it is generally necessary to divide the hamblring tendons; in some ca-ea jou may succed in lninging the leg straight, after a long process of splints and serews, but it is always doubtul. The outer hamstring is the one generally most atfected; some little care is socessary in dividing them, specially the inmer one, which is often in close relation to the popliteal atery. After having diviled, then you may let the patient reat for two or three days, and then bring the limb. straight as in the other form. When tho disease is of the hysterical kind, it will be proper to we forcible extemion and constitutional remedies, alons, the shower bath, and such remedies as are calculated to relieve the constitutional disurder, and the same rule is to he otserved in all cases where the disuase is due to constitutional canses.

It might be thought that forcible extension would be likely to set up inflammation in the juint, but such is not found to be the case; the synovial membrane resembles the serous membranes in thin respect, and they appear to undergo some change in diveave which renders them less sensitive to causes that would in health prolace inflammation. We know that in healh we carnot puncture the peritoneum without danger of producing inflammation, but in disease, in dropsies for instance, it may be punctured time after time without producing any such result. The synovial membrane appears to become modified in a similar way during disoase, and you may, therefore, extend the joints without danger; indeed it is astonishing what liberties we may take with a joint under such circumstances.

After having brought the leg into the straight prosition, it often happens that the head of the tibia is thrown a little bickward, and that the
emb of the femar and the patella overhang the joint ; in lact, there in a partial dishatation produced which would greatly interfere with the strengh of the juint, the fenur only resting on about hati of the head of the tibia. This mut be cometerated by a kiad of bot, which you have often sem me lure, and which bey means of an iron bar and of continually actins corw, which ane mato to ant on the anterion aryect of the thish, and funterionly on the tibia, the joint may, in the rourse of a few muntha, be brught into its matural pasition.

## THERAMELTCAL RECORD.

## (Phlatelytiod Modical and Surgiral Journal.)

Amodyue Merture R. Chlurnform, Tr. Arnice Tinc: Cumphor, Tinct Aconite au oz. iv Sutt. Vin, Reet. oan , iij M. whe applied 3 or 4 times a day orinternally 25 droph cuery 3 or 4 hours.

 dose a teaspognful every :; or 4 leurs.
 Guaiac rasp., Had. Glyey rrl, ad oz. iij ; Mezereon Cont., e'r. vj; Dolcamara, Eu-

 OI. Gatth, to each g.llun. Dose, a table poonful 3 times a day.

 spoonfial every 8 hours in those not so urgent.

Anti-Bilhous Pills.-Fit. Colocynth Comp. dr.i, Ext Jahapigres. xy Sub. Mur. Hydg. gre. ar ; Tart. Autim. gr. 1; lulv. Gamb. grs. iij; Ol. Carid grs. rj. M. In pil axx div. Dose, one to sur at bud time.

Cigetuble Purgatire Pilis.-Ext. Culocynth Comp. dr. i; Fat Jahajisc. ij; Pulr. Gar,hoj. gre. iij; Pulr. Ipeac. grs. y; 'll. Anisi. gtt. rj. M. In pil xax div. . Tose, one to funr at bed tine.

Dyspeptic Elixir.-R.-Rad. Culomb. Cont., Rad. Gentian. anoz. ir, Scm. Cardum oz. ij: Bi. Carl, Potase, dr. vj; Spts, Vin. Rect. oiss; Agur. Pura, orj. The artucles are to stath in water it hours, stirring occasiomally. Dose, one or two table spoonfuls an hour after each meal.

Wecer and Agu? Murture.-R.-Sulph. Quinine dr. vj; Ay. Pura oj; Acid Sulpn. se. ij; Tiret. Gentian. C. Uivs; Tine. C.apsici Oss: Syr. Simp. Oj; Ol. Gautheri git. sv: Alcuhol Oi. M. Dose a tahlespoominl every lour for sis hours preceding time of chill.

Hooping Ce.shand Asthnatic Mixture.-Tine Lobelia oz.v; Tine. Belladonna oz.iv; Cblortm . oz. ij ; Mur. Guna. Acacisoz. v; Aqua Pura. oz. ix. M. Dose, a teaspoonful every 3 bours.

Cough Miriure-R.-Muc. Gum. Acaciar; Syr. Toln: Syr. Seillie, Syrp.
 Vel. Tine. Sem. Crichicioz. i. Spts. Sitte Dulci uz. ij. Iose, a teaspoontul every 3 bumrs.


 Acid Acetic oz. iss ; Tincl. Santal, w. viij. M. Duere a thble-juounful 3 times a day.

## PEKISCOリE.

 Sureon to the lichononi llospital.
"I helieve that in the treatment of sphailitic ivitio, sen the most acute cases, all that is neressary to be done is to administer moreury properly suited to the con-titution of the pationt, and the nature of the cave, and till full salivation: an i the application of the eatact of hella lonna round the eye, of of the solution of atropine in the eye. I totatly distre we with those anthom-Mr. Tyrell fer intame-who reommend, in cases where the patient is broken donn, to administer touice, de., till he is able to bear the mormial comme, the reat fat bectig, that the best toric is the mercury, combined with opium, which ly expelling a depressing prinon from the system, invigurato it, at the same time that it arresta the ravages of a destruetive sperifie dine:ace; wherea, whine wating for the etlects of tonies and diet, the ese mave belont. There eonlel not be apparently more feeble
 particulaly the lattor, who wa- literally nothing but skin anl bone, with a pale sallow face, wontrating wioh the largored tulureles with which it
 cial action of the mercurs, white the ree was sared, hin fleh, stenerth, and complexion, all became rapidly restored, so that in his last leiter to me, he dearibe himelf, in lagemge mone remarkalide for streneih than orthography, "as strong as a hoss, and an fitt as a wheal!"

Many surgeous denot deplete, lout the large majority sili do, by leeches and emping, raney, I believe, in this country, by wesection, as recommended ly Mr. Mackenzic. Juring fourte en years, a very large number of cares of syphilitie iritis have been umder my care in the lichmond Hospital, and I have only cupled in one case; and with my present experience, I am sure if that case prenerited itself now, I should not do so. It is one of those practical questions bent decided by facts. Ihave there-
fore, taken a few cances from my case-book, which will help to prove, 1 trust, that depletion is unnecerary in this disease.

1. James I'rendergrist, we. 30, a hibourer, October 30,1844 , ten weeks since contracted a sore near the orifice of the urethira, where there is still a small one, presenting the chatraters of sunerficial chancre. He took no mercury. A fortight after the chancre, the anus becume tender, and six weeks after a rash boke ont. Nine or ten days afier the eje became infamed.

He has iritis of the left eyc, markel by very great redues, particularly intunse romul the cornea; slight yellowness of the iris, comparad with the bluegrey of the other eye; some dulness of the aqueous hamour, and irregularity of the pupil at its upper margin. Suffers pain in the eyebrow, bergiming at four o'clock in the evening, and keeping him awake all night. There is a ra-h of scurfy papulen thickly scattered over the body; very exteusive condylomata bund the arms; two small white raised ulcers on call tonsil. To take two grains of calomel, and oneeighth of a grain of opium, three times daily.

Nov. 4. Mounh is sore, and berame to yesterday. He has taken ten pills, and had a little griping yesteday. There is great improvement in the cye, which is wearly well. The redness much lessened; the cornca and aqueous lumour clear. The iris has regained its matural appearance, except that there is still slight itrugularity of the upper ouge of the pupil. He says he can see nearly as well as ever. For the last two nights he rubbed in some exiract of belladonna round the cye, aud has bad no nocturnal pain. Owit the pills.

Nov. 15. The iritis is now perfectly well; the iris bright, and the same colour as the other; the pupil regular as to size, but irregular at the upper edge; but so little that it would not be noticed.

He was kept under the influence of mercury, chiefly by frictions, for six or seven weekz, a:ad left the hospital well some stains of the syphilitic eruption alane remaining.
2. Double Syphilitic Iratis cured without Depletion-Case taken by Mr. Frazer. Peter Craven, a labourer, xt. 23, admitted February 3, 1847, into No. 1 Ward, with iritis of both eyes. There is vascularity of the conjunctiva and scelerotic in both cyes. The pupil of the right eye contracted and irreguiar ; the left pupil larger, and the inner circle more even. The irides naturally brown, have bright orange-coloured lymph deposited in them, chiefly round the inner ring. The tears run over his cheek, and light pains him. He has pain in the brow and temple, worst duriag the day. No pain in the balls of the eyes. Vision is a little $\operatorname{dim}$ in the lefteye, and more obscure in the right. Aqueous humour clear.

On the abdomen, loins, thighs and calves of the legs, arms and fore. arms, are the drying scats of small purtular eruption, in patches, leaving, where they have separatel, sumall depressions. IIe complains of pains in the joints, and periostitis of the shoulders and sternum. The submental glands are cularged. On the other suface of the penis, about its middle is a cicatrix the size of a half-peng, silvery, and withont hardnes.

Ho was infected about the end of . lugust, (1846), and a month aftor admitted under Dr. NacDonnel. He remained in tive weeks, when he was dismissed cured. A furtnight after the eruption appeared, preceded by headache, sick stomach, and shivering. The right eye became dim and red three weeks ago, and painful about a week since, when the left eye got bad.
Fel. sd. Five grains of IIyl: e. cretâ, three times a day; extract of belladonna to be smeared round the eyes.

5th. the pupil of the right eye slightly dilated; vascularity of both eyes less.

6th. His mouth is sore. Omit the pills.
8th. No pain in the eyes; vaccularity diminishing; pupils dilating, but very irregular: the irides regaining their clarness and natural colour, being less yellow ; vision still dim.

9th. Eyes paler ; the left pupil is now dilated, and presents a curious appearance., the inner citcle being quite fringed with tags of 1 ymph , to the number of twenty, where the adhesions had existed between the iris and capsule of the lens. To take a pill night and morning.

The improvement in the eyes was accompanied by equal improvement in the cruption and pains. The mercury was continucd, either in the form of Hyd : c. cretâ., or small portions of mercurial ointment, to the 11th ot March. He was dismissed quite well, and the eyes in every respect natural, on the 23rd March.
3. Mary Byrue, æt. 25, rather a delicate-lonking woman, who had been infected by her husband several months before, and been in the hospital with syphilitic eruption for two months, under the care of Mr. Hamilton, with a slight attack of iritis. She left the hospital well, but returned in a fortnight, the iritis baving relapsed, and become most acute, accompanied by a most alarming sloughing ulceration of the throat. She had 'eeen permttied to return home only on the condition of continuing the treatment, but neglected entirely to do so.

Dec. 30, 1856. The right eye presents the appearance of intense ophthalmia; the conjunctiva very red and vascular; a pink zone round the cornea; intolerance of light; profuse lachrymation, and tumid eyelids. The iris is dull, of a greenish-yellow colour, wiid ruaty specks of lymph
scattered over it. They are inost numerous at the outer circle of the iris: but there is one large lump projecting at the lower and outer part of the inner circle, whicli is evidently the commencement of a tubercle. The pupil is coutracted and itregulir, rather of an oval form, and adherent at its lower margin to the lens, and aloo at its upper and inner edge. It in quite fixed. There is sourcely any sight. Pain in the eychall, and in the brow and temple : becomes serere at night, but nsually commences alomt three o'clock in the atternoon, gradually grows worse till twelve at night, when it ceases. The threat is very painful, the ulecration extending over the tonsils, and up the arches of the palate to the numa; the surface cor vered with adherent alh-coloured sloughs. The adjacent parts intensely red and inflamed. I good deal of sympathetic fever; skin hot, pulse 94, full and hard; tongue white and loaded. She was put on five grains of Шyd. c. creta, with a quarter of a grain of opium, every tourth hour. Eatract of belladonna to be smeared round the cye; and a solution of nitrate of silver, dr. ii to oz.i of water, to be applied freely over the throat

Thursday, Jan. list. The gums were effected, and the eye at once bucame less inflamed, the intolerance of light and the pain less.

Sunday, 4th. Redness mucla diminished, pupil dilated, and the ruity deposit of lymph is evidently undergoing absorption. The throat easier, its surface clearing, and small white sloughs separating, leaving a clean red surface beneath. Nouth fully affected for the last two days.

8th. Scarcely any vascularity of the conjunctiva or sclerotica; the tubercle nearly gone; she can bear the light, and vision is returning. If. ter this she got quite well of the throat aud the iritis; the only trace of the latter being some irregularity of the pupil at the lower and outer part, where the tubercle had been. T!is, Mr. Mamilton thought, would be permanent. She left the hospital about the end of the month, the IIyd. c. creta having been continuch in smaller doses.
4. John Callaghan, ett. 24, transmittedinto No. 4 Ward of the Richmond, from the Whitworth Hospital, February 20th, 1857. He is one of the city police, and was once a stout powerful man; but is now sickly-looking, sallow, and emaciated. A thichly scattered eruption of tubercles over theface, on the eycbrow, sides of the nose and chin. He became infected with syphilis about ten months ago, and has since suffered from pains in his bones, sore throat, and eruptions, with rapic decline of health and strength. He has taken mercury irregularly. Ten days ago the right eye became tender and inflamed, and quickly got very bad. His only treatment had been one leech and a blister to the temple, and bark' mixture ; but he had taken no mercury for a month.

The right eye is affected with acute iritis; the sclerotic of a deep dull
red, most marked round the cornca; the conjunctiva also is traversed by many large red vessels: the iris of a dull yellowish-grey, contrasting with the $\cdot$ lear blueish-grey of tie other cye; the pupil hazy and irregular, adbesion existing at the lower and outer rim, where the iris is of a dull red-ish-brown, ats if a tuberce was about to furm there; the pupil is nearly as large ar the other, perhaps slightly affected by the extract of belladonna which was applied last night; sight very inuch injured-though he can ser, ule $i$ a h hirht light at three teet, he cannot discern a feature of me fase; intolermee of hirht, and some lachrymation; pain in the brow, extending to the eyeball and temple, begins at ten o'clock at night, and laste till one o'elock, a. m. Submur. hydrarg: Di, opii gr. ii. in pilulas x.

Third day. Eye comowhat -learer; the deposision of rusty-coloured lymphapears less: not so much pain last night. He has talen eight pills, but no percentible effect on the nouth, nor any griping. The belladonna has had no influence on the pupil.

Fifth day. The mouth is sore, and there is some griping. The eyo is better, and he can distinguish my features, and the studs on my shirt. To take a pill night and morning.

Seventh day. Mouth fully sore; a very decided improvement in his vision, and the appearance of the eye; the iris clearing, and the rusty lymph aboorbing; pupil clear and black, and the redness much less. He bears light much better; no nocturnal pain of the brow the last two nights; the eruption of tubercles on his face and body are fast disappearing.

On the twelfth day the eje was notso well, more vascular and uneasy -cvidently an attempt at a relapse. By increasing the quantity of mercury for two days he got better; all traces of the iritis afterwards entirely disappeared.

On the twenty-second day, having been quite well for several days, he requested his dismissal, wishing to go to tho country. I had a letter from him a few days since, saying that he had regained strength aod flesh, that the sight of the eye was as good as ever, and no traces of the eruption existed. He had continued to take the mercury so as to keep up the mercurial action in the system, altogether for about ten weeks.
6. Syphilitic Iritis of the righteye, cured by Mercury, without Deple-tion-Case by Mr. M'Farland. William Quin, vot. 17, admitted March 12tb, 1857, under Mr. Hamilton. About five months ago observed a small pimple on the prepuce, sometime after connexion, which broke and healed in a week. Six or seven weeks after, an eruption (syphilitic lichen) broke out over his boly, and bas remained ever since; at the same time his throat became sore. He got some pills at a dispensary, which slightly affectod his mouth. His eyes were tender but the right ege becarae
so inflamed that he was adnitted on the 10th into the Whitewrith, from whence he was transfurred to the Richmond Inopital.
The rightege presento the usual appearances of sulamere iritis; the in dull, of a dunky-yellow colour, as sompared with the clear blue-grey of the other iris; the pupil diluted (thengh mo bellatonma has laen "pplied) a clight adhexien at the lower elge ; a pink zone romat the eomea, and the conjunctiva vascular ; some intulerame of light :ad lachrymation; little pain in the brow or temple, but the sight trery misty. There in an eruption thickly coverimg his entire hody, of small papules, in many parts seurfy and shining; whitilh suddene! wlectation oser the right tomsi, adjacent part of palate, and uvula.
March 15th. IIe was ordered five grains of Itydrarg. ce. ereth, :h...e times a day. On the minth day after this he leceme affected with grip. ing, and the mercury had to be discontinued tor a day, and then resumed twice a day for six weeks, when he was dismissed quite well. He was one of those in whom mercury docs not calle ulseration of the gums or salivation; and set its bencticial influence was not less marked. As the ege got gradually better under its use, till all trace of the iritis bad disappeared, including a band of lymph, which had extended from the lower margin of the iris to the capsule of the lens, it was curioue that in proportion to the improvement, the pupil became less dilated, till it reached its natural proportions. II was rather slow ingetting clearness of rision; when all other symptoms had gone, some imperfection of sight continued, like a cobwob before the eyc, or tetween him and any object he looked nt.-Dublin Hospital Gazette.

Menstruation, are Erfoliation as unell as an Outlation.-By D. W. Brickell, M.W., I'rof. Obstet. N. O. School of Med.-" About six months ago, I was performing an autopsy in the dead house of the Charity Howital. On an adjoining table lay the body of a stout young female, who was said to have died of disease of the heart She had died a few hours previously, and was still quite warm. The thoraxand abdomen were laid open. The body had been abandoned, and curiosity led me to examine the internal organs of generation. The aterus and appendages had been cut from the pelvis, and the anterior wall of the organ had been laid open. The moment I saw the organs, I was struck with their being highly engorged with blood, and the uterus was considerably larger than usual. The pelvis was filled with blood, which had fiowed from the vessels when the organs were detached. The next thing that attracted my attention was the most palpable specimen of recent corpus luteum in one ovary. The corpus was large and prominent, and the
depression on its contre, exhibiting the point of escape of the ovule, was evident beyond all cavil. In this same ovary one other Grabian vesicle seemed fully matared, the parts surrounding it being highly congested, but the ovale had mot eseopel. The other ovary was generally congested, but there appeated to be mo mature Grafinn vesicle.

But the most interesting feature in the cese wat the romplete absence of the lining membrane of the cacity of the bonly of the utiras. The momeat my eye alighted on the imer surface of the organ, I recognized the wooleut of Tylar Smith, in the May, 1856 , munber of tho Lanet (Amer. edition), representing the inner surface of the uterus of $a$ woman who died of apoplexy during the catemenial flow. Nothing could have been morestriking than this resemblance; and if I had ever been sceptical in relation to the observations of the author, I was now bound to admit his accuracy. Down to the oy ut ri internum the mucons menubrane was gone, aud the inner surface of the organ rough, with innumerable blood-spots seattered over it. All below the os internum was smooth, and in every reapect natural in appeartace. The difference in sensation conveyed to the finger by touching the two surfaces was as palpable as the impression conreyed to the eye
"The only doult now remaining avout the case was, whether it might not be a uterus which had very recently been delivered of an early ovum. More extended examination, however, proved clearly that this was not the case. The ragina was very small, and its muccus membrane bighly corrugated; and there was a well-defined hymen. To add to this the mamma showed none of the changes gencrally produced by early pregmancy.
"The sulject was, to all appearamee, about eighteen or twenty years of age, and quite robust. She was the subject of anasarca to a considerable extent, and was said to have died very suddenly-her death being attributed to disease of the heart. I tried to get a more accurate bistory of her from the gurse of the ward in which she dicd, but, as is too often the case, she only knew that such a woman had been in t'ie ward, had lived, and then had died.
"Tyler Smith says, 'Accordirg to my view, the mucous membrane of the uterus becomes excrementitious every month, and is discharged from the cavity of the uterus in a state of disintegration, and the uterus forms a new mucous coat, by a process similar to the reproduction of lost parts.' Coste and others speak of the exfoliation of the mucous membrane of the uterine cavity under certain circumstauces; dut, so far as I am aware, Tyler Smith is the original adrocate of the theory above laid down. After reading all the observations I could procure on this inter-
esting subject, l was alinguther inclined to adopt this theory, ana the ease $i$ have thas inseribed only the more strongly tends to prove its cor.


## 



## oLR NEW YOLLME.

The sumeribers to the Memiral Cinoosicie, thicse who from the commencement have gion as a hearty support, mest be exceedingly gratified with the marked improwements which Ms. Dawson has introduced into the fifth solmur. The paper on which the journal is now printed is fine Euglish, and not surpased, if indeed erqualled, in quality by that of any medical journal on the Continent of America; it has also been increased in size by eight :additional pages, while the subscription prics is still kept at the very smali and unremunerative amount of Tuo Dollurs per amnian. When the Chroniclee was first issued, a considerable uumber of copies wete returned by gentlemen from whom we expected 1 etter things than the refusal to give ten shillings yearly for the support of a medical journal in the l'rovince, more particularly when they were getting what we humbly considered full walue for their money. The reason of their refusing to subscribe, howev., may have arrisen from the doubts which were naturally entertained at the time regarding the suceess and stability of any enterprise of the kind. As we have entered on the fith year of our existence, there need be no apprehension of our speedy demise. We hope, thercfore, that every one. of our professional confreres, both in Canada and the Lover Provinces, to whom Mr. Dawson has sent a specimen copy, will not only become a subscriber, but what is of equal or even greater importance, a regular contributor to our pages. In its present forin, at its present subscription price, the Journal cannot possibly remunerate the pullisher unless additional names are added to the list of subscribers, and all attend as far as possible to the terms specified on the cover, viz., "payable in advance."

All original communications intencled for the columns of the Journal, must be addressed to the Editors. All communications relating to the business of the Journal, to be addressed to the Publisher, B. Dawson, No. 23 Great St. James Street, Montreal.

## CANCER CURERS.

Whenever a disease is pronounced by the profession incurrble, or even difficult of cure, it is immediately adopted by the quack, and employed by him as a means wherewith to deceive a too credulons public. Cance. and phthisis appear to is the favorite affections of the horse-leech fraternity; for carers of cancer and curers of consumption abound in this and other countrics, where they invariably fourish for a limited period. That they succeed at all in attaining notoriety is to be attributed to the fact, that there is a widely-spread and fearful dread existing in the community regarding these two disenses, and it needs onls that a female shouhl have a slight and limited induration of the breast, or a simple sulgh, to excite in the minds of herself and friends the greatest apprehension as to the final result. The person, moreover, who boldly announces that he possesses an infallible cure,-that he holds, as it were, the issues of life and death in his own hands, - knows his own interests too well, whrn called upon for an opinion, to do otherwise than favor the must gloony and hopeless view taken of the case, certain that when, in tho one instance, the hardness is removed, and, in the other, the bronchial irritation subsides, his name will be trumpeted abroad as a successful practitioner in malignant or fatal discases. Failures however soon appear, and becoming more and more numerous, they finally force themselves on the notice of the public; and when this point in the quack's career is reached, it is really astonishing how rapid is his descent. A few months suffice to change his position entirely. Instead of being the highly latuded of inconsiderate admirers-the great be-puffed of the pablic prets-his name is scarcely ever mentioned except in execration, and his flaming advertisements fail to call forth the slightest notice from "we" of the editorial chair. The crowd of eager faces that sere wont to be seen it his morning levee, are now no longer there, and a desolate quietude reigns in the dispensing and consulting rooms. The cheerful ring of the glittering coin of the realm which fell on his ear and gladdened his heari, as he transferred the broad pieces from the pockets of his dupes to his own plethoric purse, is heard no more; and at length he wakes to the disagreeable consciousness of being thoroughly known and appreciated, and forthwith departs to play his game over again in other and foreign parts.

The profession have lately been interested in investigations made by certain authorities into the virtues of two modes of treatment of cancer, stated by their originators to be eminently successful. The first investigation was held on a treatment propomed by Landolf. His mode of treating cancer having obtained a favourable roception in Austria, he
was desirnus of securing the modorsement of the French Surgeons as to its efficaty, and visited laris accordingly. Tho Imperial Academy of Stiences appointed a cormission, consisting of M.M. Broca, Cazolis, Furnari, Mance, Mounier, and Moissonet, to examine tho subject thoronghly and report on it. I certain number of patients were allotted to M. Landolit at the Salpetriere, and the results of his treatment were closely watched. The committee repanted mont untivourably. It: intermal treatment, whish comisted of the administration of ehloride of bromine, dill not "possess the slighte-t npecial therapenireal value in the treatment of cancer." The lowal treatment consisted in the application of a caustic, which was noohing more than C'mumoin's paste, dieguised by the addition of a coloring and olorous sulstance. It was componsed of chloride of bromine, 3 parts; chloride of zinc, - parts; chleride of antimony, 1 jart; liquorice powder, 1 part. "Of these entstances." say the commission, "the chloride of zinc and "hlorile of antimony have been long known and employed at caustics. Tliese two chluriles combined in the sanc proportion as in Canguou's caustic form the only portion of M. Landolfis preparation that is really active. To sum up, his metiod can only be applied to certain cancers; it is more painful and more uncertain than several other modes of cauterization; and it is, in particular, inferior to Canquoin's method, of which it is only an altered copy. Like all the other methods of treatment, it muy succeed in destroying certain tumours, and cicatrization may follow; but it is quite powerless for the prevention of relapse, which it would seen rather to provoke, and so far from forming a step in advance, it adds but another to the illusions that so abound in the history of cancer."
M. Landolfi treated nine cases of cancer of the breast and three cases of cancroid with the following results:-Of the 9 eases of cancer of the breast 2 died, 4 suffered a notable aggravation of the disease, while in 3 cases, in which cicatrization took place, the liscase immediately reap-peared,-so that the nine cases were unsuccessful. Of the 3 cases of cancroid, 1 was cured, 1 cicatrized, but the disease reappeared, and in the third an exacerbation took place that necessitated the amputation of the limb. The application produced excruciating agony, for the relief of which opium and other narcotics were altogether powerless. So much, then, for M. Landoli's mode of treatment; and come we now to notice the pretensions of the second aspirant to the honor of cancer-cliser par excellence.

We have observed in our English exchanges for some time back remarks on the advent of an American physician in London, named Dr. Fill, who professed to have discovereci a plan of treatment whereby
eancer could be cured. He was allowed to treat a certain number of patients in the cancer warl of the Midllesex Mospital; sold in the London Me lical Circular for June loth we pereeive that he has recently issued a work on "Cancur und its Treatment," sul that the Surgeons of the Middleser have reported the endelanion they have arrived at, after witnessing lis pecaline mode. Dr. Full b-lieves that Suguinaria Canadensis porsessea certain wonclerful propertios, whin, when the drug ia administered internally, and upplied externslly to a comererus lumour, will cause the enucleation of such fumbur mad core lise patient. Strango
 chloride of zinc whenever he apples it extermally. The following is his

 a paste the consistence of treacle. Now is this not a miscrable insult to the profusion! $\Gamma 0$ attempt fur a monent tor impers them with the belief that the caustit: efficts of thin paste are due to the presence of bloolroot insteal of rhloride of zime, is rermin!y most absurd. Sanguinaria has been employed topically a; a stimalant in indotert and ill conditioned ulcers, but it does not possess the cansti. power of chloride of zine.

The Surgeons of the Middl: ex llorpital report as follows:-
"The undersigned bave great pleasure in now stating that Dr. Fell has fulliled the obligation contracted by him frankly and without reserve; and whilst they regret that the limited period which has clapsed since the treatment in the hospital was commenced (Jazuary 22nd) prevents their coming to any positive conclasion upoa certain points of great importanco, they have jet no hesitation in stating their unanimnus opinion-
" I. That Dr. Fell's mode of treatment is in entire accordance with known principles of surgery, is ingenious, safe, and easy of application by well-inatsucted surgeons.
"II. That it may be employed in all cases in which surgeons ase the knife and in many others in which no prudent person would recommend a cutting operation.
"III. That Dr. Fell confines himself to the enncleation of the tumours merely ; and, in the case of the breast, does not remove the entire gland, as is cor monly considered necessary in the excision of the mammary cancers in this country.
"IV. That it is a great advantage attending this mode of treatment that the patients are not confined to bed or to the house; but that, on the contrary, they are able to obtain the benefit of exercise in the open air. In some instancea the'r bealth has manifestly improved during the treatment.
" $\nabla$. That the patient being excmpt from the inmediate hazards of a cutting operation such as exhaustion and hemorrhage, and being able to puraue the treatment without confinement to bed, they appear little prone to such conatitational affections as erysipelas and pyemia.
" $v$ I. That the enucleation of the diseaged mass is succceded by a healthy granulating and cicatrizing surface. From the inspection of Dr. Fell's private cases of longer duration than thuse in the hospital, the undersigned have had opportunities of obserting that bealthy cizatrices are eventrally formed.
"VII. That all the patients have suffered pain during the teeatment; some have spoken lightly of their sensations, others here complained mach. No one, however, has sustained that acuteness aud severity of pain which characterises the action of caustics as ordinarily employed; and it has been observed that the pain which bas been felt has usually been referred, not to the tumour itself, but to parts at some distance from it, as, in the case of the mamma, to the shoulder and arm.
"VIII. That, although the treatment is less expeditious than that usually resorted to, get, laking account of the average time that elapses before a patient has completely recovered from a cutting operation, it is probable that the difference between the two modes of treatment, in point of expedition is by no means great.
"IX. That the undersigned have not as yet had time to ascertain the average duration of the bencfit conferred by the treatment, nor have they any means of knowing whether, in the event of a return of the disease, there be any difference, observable from what is known to cake place after excision.

| (Signed) | "Alex. Suaw. |
| :--- | :--- |
|  | Caypbel De Morgan. |
|  | Charleg H. Moore. |
|  | Mitcelll Hexby." |

In the foregoing nine paragraphs the Middlesex authorities merely state that the tumour can be enucleated, and that the application of the caustic induces pain. What else could they say if they were apeaking of chloride of zinc paste simply? They bave not ascertained whether there is a liability to a reappearance of the disease. This is a very serious omission, and makes their report a mere bagatelle, that will excite the smile of every practical surgeon.

Late Cabr of Stabsing.-" An inquest was held at the Military Hoqpital on the body of lance-Corporal Richard Reynolds, aged 20, of Her Majesty's 39th Regt. of foot, who was stabbed in the abdoinen, on Thursday, the 14th of May, by Private William Jones, of the same Regiment.

It appears that on the day in question, the deceased, accomparied by an escort, went to the bush at Logan's Farm to arrest the prisoner ; after some trouble they succeeded in doing so, and brought lim to the barracks, in a cab, handcuffed. While getting out of the cab at the guardroom gate, the prisoner seized hold of a musket, with a bayonet attached, and threw it at the Corporal, which cansed a wound in the abdomen, of
about half an inch long, and one-eighth of an inch lioad. On the following day, (Friday,) intense inflammation set in, which resulted in the death of the deceased on Saturday night, aboat 12 o'clock.
Dr. A. F. Holmes and Dr. John Ross, Assistant Surgeon of the 3Pin Regiment were sworn, and after the jury had examined the borls, directed to make a post morten examination.
John Ross. M. D., exam...ed : The deceased was brought to this hospital on the evening of the 14 th instant, alout half-past eight, c'clock. When stripped, we found a small wound about half an inch long at the bottom of his abdomen. I saw the wound niext morning about nine o'clock. He then complained of severe pains in lower parts of his bowels. Found intense inflammation had set in. I treated bim in the usual way. He died close to midnight on Saturday last. Have made a post mortent examination. The wound was only about half an inch doep. It was a puncture abont half an inch deep. There was a great effusion of blond on the walls of the abdomen, the result of a severe contusion. We found the marks of severe inflummation on the membrane of the bowels. This inflammation was the result of the contusion and wounds which caused his death. The deceased stated to me that Private Jojes had thrown a musket at him, which caused the wound. Perfectly satisfied that death was caused by the effects of this wound.

Dr. A. $\boldsymbol{F}$. Holmes corroborated the evidence of Dr. Ross, as regards the post mortem examination, and as to the cause of death.

Dr, Woodman, Surgeon of the 39th Regt.-I was preseat when deceased was brought into the Hospital to my room, on Thursday night about 8 o'clock. Told me he had been wounded by a fixed bayonet thrown at him. Examined him, and found the wound to be very suporficial. There was no blood flowing at the time. He complained of pain in his abdenen. I questioned him about the wound, and where he was standing. Considering the wound so very slight, I told him be had better have some plaster put on and return to his duty. He went to the Hospitai to have this done, but in a few minates the Sergeant returned to tell me he had fainted, and I then feared he had received more severe injury. I then ordered his detention in Hospital. About half an hour atter Dr. Humphrey arrived, and examined deceased. The Coroner summed up, and the Jury, after about balf an hour's deliberation, retorned a Verdict of WILFUL MURDER against the Prisoner.

We should state that the Jury were divided in opinion- 12 were for a verdict of Wilful Murder, and two for manslaughter."

London and Parishan Mospitals.-" From an interesting report of the Committee of Beneficent Institutions, it appears that London and Paris present a striking contrast in the methods which they adopt for affording relief to the sick poor. In London, a great part of our medical relief is dispensed at the houses of the poor themselves by the physicians and surgeons attached to our di-pensaries. In Paris, on the contrary, comparalively little relief is afforded otherwise than in the hospitals themselves. Thus, in the yeaz 1853, the number of in-patients in hospitals in Paris amounted to no less than 91,754 , against only 45,808 in hospitals in London-this calculation, in the case of London, being exclasive of patients treated in workhouse infirmaries. But, on the other hand, under the system of out-door medical relief recently set on foot in Paris, 102, 472 persons received gratuitous attendance, against upwards of 600,000 patients similarly relieved in London. The nearest approach to a fair comparison between London and Paris which it seems possible to make is that afforded by a statement of the sums contributed by the medical charitics and poor-rate taken together as follows: In London, income of medical charitics and poor relief, $£ 1,150,900$, ; in Paris, expensen of l'Adıninistration Générale, $£ 560,853$."

## CORRESPONDENCE.

## A STUDENT'S LETTERS.

No. I.

In penning these few lines I may commence by itting what is a student's best plan, when he intends leaving Montreal to spend a short time in the Metropolis of England. He will find no trouble in travelling between the two places, as every thing will be found quite comfortable, particularly on board the ocean steaners. When arrived at his destination he must decide upon what braaches lie is to follow, and as he has already fully studied the four prima:y branches, Anatomy, Physiology, Chemistry and Materia Medica, and also, most probably, the final branches likewise,-I think the best plan (which I have myself followed) is to attend those lectures that are not given as a separate course in Montreal, viz:-Botany, Pathological Anatomy, the use of the Microscope, \&c., as tanght in the lectures on Practical Physiology and Histology, Practical Chemistry, and if he thinks fit Comparative Anatomy, and the lectures on the Eye. There will still be plenity of time to attend the Hospitale, which is the great ain, eveu when attending a requisite number of the preceding lectures, which I may state "en passant" are only delivered in London during the months of May, June and July.

The best way to accemplish this object is to get the student's number of the Lancet which will give the names of lectares, days and hours of delivery, and pice of each, in the 13 different Medical Schools of the Netropolis. He can board in two ways, either by staying at an botel, which is very expeusive, or by taking a suit of apartments which he will get for from 14s. to 20s. a week, well furninked in every thing requisite, and then get meals at an eating house, where he inds it handy according to the part of the city he may be in. This is the manner in which very many live here, and they find it most convenient.

A word as regards Hosipitals. There are operations here at some of the different hospitals every day in the week, except Sunday, and in the greater number be will have a choice of two or three, and on Saturday of four. It will be found difficult to get a tucket for the surgical practice at any of tho hospitals for less than six months, er.d for which he will pay 10 guineas, and the same sum for the medical practice, if taken separately, or 15 guineas for both. My view of the case is that as Students come here to see Practical Surgery, not generally stopping for more than two or three months, it is the beiter plan not to attend any hosnital in particular, as in that case the operations you see would be confined to that one alono; but to sce operatious chielly every day, as there appears to be no restriction about attending the theatre (as it is termed.) If you mention that gou are from Canada you are received with every respect; you by this means see practice, and it is for this purpose you come here. I, for the most part, attend the operations of five hospitals in the week, and you may frequently attend two in one day, the one at 1 , the other at 2 o'clock, P. M. You seldom see less than tro case, and very often three, four and fire, at each hospital, generally att: nded.
I shall make a few remarks on a class which I think should be established at Montreal, viz:-Practical Ph-siology and Histology, and I sball dascribe it as taught by Dr. G. Harley, University College. The sabjects treated of are-The structure of the healthy tissues and organs of the body. The changes which the textures undergo in the disessed states most commonly met with. The chemical examination of the flaide, viz:-blood, bile, urine, milk, \&c. And deminstrations in experimental physiology, such, for instance, as an illustration of the development of the ovum by artificial incubation, \&e. Each stadent is furnished with a microscope and apparatus for which he is responsible, and it is at his command when he wishes it, but he must remain in the leccure room which is always open. Each microscope has two powers, 1 inch and $\frac{1}{d}$ of an inab, and two eje glassen, giving powers of 40 and 220 , or 80 and

350 diameters. Each student is required to draw what he sees before him in the field of the instrument, and the sketch is corrected, if wrong, when the Professor comes iound. I may state here "en passant" the best way to ramine crystals with the microscope. Take crystals not too large for the field of the glass, place then on the glass plate, and a drop or two of a liquid, water will not do as it dissolves them generally. The best fluid by far is the saturated mother water from which they have been formed, or a liquid in which they are insolvble, then put the small thin glass cover over it, and use the lowest power to commence with, and then gradually pass to the highest. By this means you find which power answers, best for your particular specimen.

I shall conclude this communication with a few words on the following simple experiment, which I saw at our practical physiological lectures and can be performed by even the most unskilful band without difficulty, and will serve to print on his memory soveral facts in physiology, (which are in general thought only to be proved by those men who devote all their time to such pursuits,) more firmly than weeks of reading. It shows, 1st. That the liver, as proved by Bernard, has the power of forming sugar, when only animal food is taken. 2nd. That what we see in certain diseases, viz., venous regurgitation, is only an exaggeration of a natural phenomenon, existing both in arteries and veins. 3rd. Tha: the pause in the contraction of the heart is between the two contractions of the auricle and ventricles, and the next two following. 4. How sudden the action of the auricles is compared to the ventricles; their very sudden contraction and dilatation, and continued dilatation, and also for what a long time they keep up their action after cessation of either ventricle. 5. How irritation of the phrenic nerves causes contraction of the diaphragm, and when they are cut in two, that irritation of the distal extremity causes contraction, and when the central is touched no effect is produced. 6th. The lacteals conveying the chyle towards the receptaculum and passing through the gland.. 7. How the vermicular motion of the intestines is carried on during life, and after this has been observed if vou irritate one part, it will cause action through nearly the whole length of the canal ; also how the action of the distinct sets of muscular fibres proceeds separately, one contracting the circular dimensions more than half, and then the tube appearing to grow shorter when the longitudinal fibres act. The intestine itself becoming quite rigid. 8th. The particular action of these sets of fibres in the large intestine. 9th. The natural movements of the stomach, and that irritation does not produce so sudden effects as in the intestines, but very slow first, one set of fasciculi and then another, shortening until every irritated fibre is contracted, and
then again slowly relaxing, if this be performed near the pyloric orifice; the duodenum or commencement of the intestine will quickly act from the excitement and the fibres of the stomach not for some time afterwards. I may also state that pou can find sugar in the urine likewise, that other circumstances may be noticed, but they are not worth the while mentioning.

Tabe a puppy of about one inonth old, and to prove the first experiment mentioned, be sure that it has always fed on an animal diet. It must be sacrificed by pithing, namely, put the edge of the common fat pointed awl, if no better instrument be at hand, behind the occipital protuberance, care must be taken not to direct it towards the brain, and when it bas passed through the medulla oblongate, work it laterally across the canal, so that the medulla is divided, the animal dies instantly, but all the extrenities are moved conrulsively from the irritation, and to stop this if you think fit direct the instrument down the canal, and destroy the chord when they cease. This being done, let an assistant take hold of the fore, and another the hind lega, and open up the animal by a longitudinal incision from the neck to the pubis. Care mast be taken not to wound the intestines, because if so you cannot see their natural motions so well ; then open the chest as is usually done, and expose the heart, and in doing so you will see the natural contractility of muscle, when you cut the pectora! muscles. Having done so, you will find the heart still acting naturally, and byexanination will perceive what I have described under sections tro, three and four, namely, that during the contraction the impulse is communicated to the arteries and veins, \&c., \&c., which being done you may perform experiment 5 by irritating the phrenic nerves if the diaphragm be not too much injured, as it is not likely to be with care in manipulating. By looking closely you will be able to see the lacteals, as little white vessels resembling nerves and quite distinct. I may state, however, to do this the animal should bave been killed shortly after taking a full meal. Nert do as stated in 7 and 8, but first watch the intestines closely to see their natural actions of contraction and their several movements. Then part 9 can be performed as regards the stomach, by proceeding in the same way, first watching the natural action. Now as to the first experiment with the liver, tie the portal vein to test the portal blood for sugar, likewise if you choose cut the organ into very small pieces, or bruise it in a mortar, have a dish at hand full of boiling water, then add the liver when thus prepared, by this means you get a colorless solution, whereas if the water were cold when it was added, and then boiled, all the coloring matter would be dissolved out, with the blood proceed in a similar way. Then filter and apply the tests.

I will just say a few words about their application. Haye the test tube about one-third or une-fourth full, and boil the top of the fluid, first by appiying the heat at the suriace, by this means you can see the change produced by heat as compared to it primitively, which at the bettom of the tube will not yet be in the least acted on. This is the better way undoubtedly, because when the colors may not be very marked you will not be able to detect slight changes, so readily when the whole contents are boiled at once. You may then boil the whole if you choose. Treat the urine in the same way by the liq. potass. or liq. potass. and sulphate of copper, but only add a few drops of each in either chae. It does wot require any provious preparation, except taking care that no blood getz mised with it, when removing the bladder. I forgot to state that a $f_{1} w$ drops of acetic acid should be added to the briling water, before the liver is added to neutralize any alkali which it may contain, but takn care not to add too nuch, or it will dissolve out coloring matter.

London, England, 29th May, 185\%.
A. R.

## HOSPITAL RETURNS.

Monthly Return of Sick in the Marine and Emigrant Hospital, Quebec, from the 30th April to the 3rd June, 1857.

| Remained. | Men. 11 | Women. <br> 15 | Children. <br> 2 | Total. 28 |
| :---: | :---: | :---: | :---: | :---: |
| Since admitted.. | 95 | 8 | 3 | 106 |
|  | 106 | 23 | 5 | 134 |
| Discbarged. | 34 | 15 | 2 | 51 |
| Remaining | 73 | 8 | 3 | 83 |


| Fever..... . . . . . . . . . . . . . . . . . 2 | Ulcers |
| :---: | :---: |
| Infiammation of lungs. . . . . . . . 4 | Wounds. |
| Inflammation of liver. . . . . . . . . . 2 | Contusions |
| Dyspepsia....................... 1 | Ophthalmia |
| Rheumatism.... . . . . . . . . . . . . . 10 | Pregnancy |
| Dysentery....................... . . 3 | Feb. Intermit. |
| Small Por....................... 1 | Sublaxatio |
| Cynanche....................... 2 | Hypochondriasis. |
| Diseases of skin. . . . . . . . . . . . . 3 | Hypertrophy heart |
| Infismmation of testicle......... 1 | Scarlatins. |
| Syphilis . . . . . . . . . . . . . . . . . . 23 | Catarrhus. |
| Fractures . . . . . . . . . . . . . . . . . . . 2 | Periostitis |
| Abscess......................... 10 | Phthisis. |

# MONTREAL DISPENSARY ANNCAL REPORT. 

Froy lsp May 1856 to Ist May 1857.

Patienty admitted, 414 :-Attended at their own residences, 24. Patients diacharged,-cured, 204 ;-relieved, $200 ;$-died, 4 ,-sent to Hospital, 1.
Agss.-Under 2, 36 ; from 2 to 8,40 ; from 8 to $20,6.3$; from 20 to 40,131 ; from 40 to 60,98 ; over 60,37 .

## Diseages and Accidents.

| Febricula........... ${ }^{1}$ | Dysenteria.......... i | Syphilis consec. |
| :---: | :---: | :---: |
| Febris Com. Cont. | Dyspepsia........... 28 | Ecythyma.......... |
| " Intermitt..... 1 | Enteritis . .......... 1 | Eczema. |
| Remitt....... 1 | Flatus .............. 1 | Cbro |
| Rubeola | Gustralgia......... 3 | Erysipelas. |
| Scarlatina........... 1 | Gastrit Ch | Erythema |
| Vaccinie | Gengivitis | Herpes Circ |
| Varicella ........... 7 | Helminthiasis....... 14 | Intertrigo |
| Variols | Infl. Glandul Sub.... 1 | Lepra Vulg |
| Rheumatism | Odontalgia | Lichen tropic |
| " C | Cephalag | Macul |
| Plearodynia | Cerebri Cong | Pedicul |
| Cachexis............ 2 | Chorea.. | Porrigo |
| Debilitas | Delirium Tre | Prurigo |
| Магдятив........... 1 | Ebriositas | Pbora |
| Scrofulosis.......... 1 | Epilepria ........... 3 | Psoriasis Palm |
| Ascites ........... 2 | Hemiplegia......... 2 | Tinea Favosa |
| Hydrops Scar | Hyphocundriasis.... 4 | " Capitis. |
| Irritatio ............. 21 | Hysteria............ 1 | Ophthalmia. |
| Asthma............. 2 | " Epilcptic... 1 | " Scroful |
| Bronchitis .......... 18 | Megrim . . . . . . . . . . 2 | Palpebr Carcin. |
| " Chron.... 14 | Melancholia . ...... 1 | " infr. ulc |
| Asthenic . 1 | Neuralgia | Cophosis. |
| Catarrhus .......... 22 | Neurosis Incert..... 2 | A bscessus Cbr |
| " Chroc..... 3 | Paralysis........... 1 | Ambustio |
| " Senil ...... 3 | Tic Doloureux....... 1 | Contusio |
| Laryngitis Adem.... 1 | Vertigo ............ 1 | Fractura Radii |
| Pertussis........... 1 | Anuria. . . . . . . . . . . 1 | Furuncuius |
| Phthisis Pulm....... 35 | Hcmaturia ......... 2 | Luxat. Cubit. |
| Pneumonis ......... 1 | Nephralgia.......... 1 | " Sub. Verteb dors. |
| Aphthoc........... 1 | Amenorrhora ...... 3 | Periostitis . |
| Cholera Infant...... 5 | Leucorrhæa........ 4 | Phlegmon |
| Canadens... 3 | Mamme Absc. | Porticollia |
| Constipatio......... 19 | Mastoitis ........... 1 | Tumor |
| Cynanch Parotid | Mutatio Vitce........ 1 | Malign. |
| " Tonsill. | Prolapsus Uteri..... 1 | Ulcus. |
| Dentitio ............ 8 | Vaginitis........... 1 | " Phagaden |
| Diarrh@as............. 21 | Balanitis $\qquad$ 2 | Vulnus ...... |

Digzagrs proving fatal.-Bronchitis Asthenic 1, Hemiplegia 1, Marasmos 1,
Phthisis Pulm 1.
attending Physicinns, January, April, July and October, Das. Boyer and Waiget. Febraary, May, August and November, Das. Jones and Parise.
March, Jnne, September and December, Das. Finwicr and R. P. Howard.

## MEDICAL NEWS.

An advertisement appeared in one of the Buston papers of April 8th, which ran thus:-"Wanted a gentlemen or lady with a natural tendency for the practice of medicine "-Dr. Miller, of Providence, R. I. recently recovered the sum of $\$ 2,500$ of Orville $S$. Balcumb, of Attleburo', for damages suffered froma collision with the plaintiff's carriage. The amount of damages claimed wat \$10,000 - The Third Annual Cunrentiun of American Dentists wili be held in Boston, on Tuesday the first day of August uext.-A Statute exists in an American Institution declaring a prufessor nu longer qualified to teach, on arriving at the patriarchal age of 0 . - Al lady died suddenly in Richmond, Va., from the bite of a spider. She was Litten on the cheek the night before the fatal event. - A celebrated Oculist in Paris lately, as an act of charity, fully restored sight to a blind man by up ration. In a fer days the restored sued the Dr for destroying his profession a a llind man, and $\mathrm{l}_{\text {aid }}$ the damages at 20,000 fianes.-The great Buerhate was mure proud of his success as a flotist thọn of his scientific glories.-Orffa in place of becuming the fuonder of modern tosicology, bad well righ turned his magnificent baritune voice to profit on the stage. - Dr. Goadby has dissulved his cunnexiun with the Medical Independent in consequence, it is alleged, of uther engagements.-A Vicar once asked his Veterinary Surgeon huw it was he had nut called upon him fur his account. Oh said Y. S. "I never ash a gentlcman for money. "Indeed," said the Y. "then how do you get un if he dun't ${ }_{1}$ "y ?" "Why," replied the V. S. "after a certain time I concludt that he is not a gentleman, and then I ash him. "-Liebig has malysed the bread sent to him from Hung Kung, and has iound it to contain a quarter gramme of Arsenic fur every fifty grammes of bread, or mure than sufficient tu cause death, it had bunmixed with the duagh.-Animal and vegetable substances may be hept fur a lung perived, perfectly free from decomposition, when immersed in glycerite.-An Iebriate Asylum is abut to be founded in New York. cullections in aid of it have already been raised to the amount of $\$ 32,000$. The tutal amount to le raised is $\$ 50,000$. - A woman was lately deiivercd, says the Wulserhampton Chronicle, of two dead children, who had grown tugether, and were unitel at the lower part of the stomach.-Mr. Erichsen, Professor of Surgery, in Cniverity College, London, has been approinted Dr. Lees reader in anatumy, in the Cnirersity of Oxfurd.-A Dentist has been lately clected to St. Geurgi's Mopiital, Lundon, the lucky gentleman is a Mr. Vesey, of Bund Strect, he was selected by ballut from six candidates.


[^0]:    - I regret to asy the original notes have been mislaid by Dr. Church, to whom they were lent to be copied, and I now write the facts from memory.

[^1]:    (1) This patent died some few weeks after, and besides tuberculous disease in the upper part of both lungs, a circumscribed gangrenons cavity was fuand in the ir. .er lobe of the left lung.

[^2]:    [- This trat is nota nowel onc. Ludi.et, both in the free aud the potassiureted state, has beca for many ge ars tack eriployed in analytical reseanches concerning Strychnin. An iodid of this base has been described in Chemical treatises; iodine hat beenadvised as the proper antidote to the alkaloid; iodine and iodid of pothsitum, both singly and jointly, have been ermployed as tests, and their reactions 'escriled, de. The merit taken away by the lack oí priority is bowever well suppied by the full elaboration and minute investigations of Mr. K., whereby he how phaced the sulject in almost a new light; and has procured for the teat a claim to nonice and adoption, which it never had before. And although exploring a mine in which predecessors had engaged, he was honestly unaware of any other attainments than his own. The principal information upon iodine as a test for Strychnia, was made public, only lo summer, after Palmer's Trial, in the weekly medical papers of Loudon, and to thase Mr. R. had no access. Tere and cisewhere in the text the parenthesis is ours, heing introlluced in ex$\because$ 'anai:on of parts of the essay that have been omitted.-Fids. Med. Our.]

